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AN EXPERIMENTAL INVESTIGATION OF TANGENTIAL BLOWING TO REDUCE BUFFET RESPONSE OF THE VERTICAL TAILS OF AN F-15 WIND TUNNEL MODEL

VOLUME 3 – OSCILLATORY PRESSURE DATA

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JANUARY 1999

FINAL REPORT FOR 06/01/1996 – 12/31/1998

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This technical report has been reviewed and is approved for publication.

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This is Volume 3 of AN EXPERIMENTAL INVESTIGATION OF TANGENTIAL BLOWING TO REDUCE BUFFET RESPONSE OF THE VERTICAL TAILS OF AN F-15 WIND TUNNEL MODEL. This volume presents the detailed CSD graphs, in magnitude and phase plots, and gives summary tables of rms values of the magnitudes from those graphs. To aid with the comprehension of this data, figures from volume 1 showing the model, setup, and model instrumentation are repeated here. The reader will most likely have to refer to volume 1 for added tie-in.

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FOREWORD

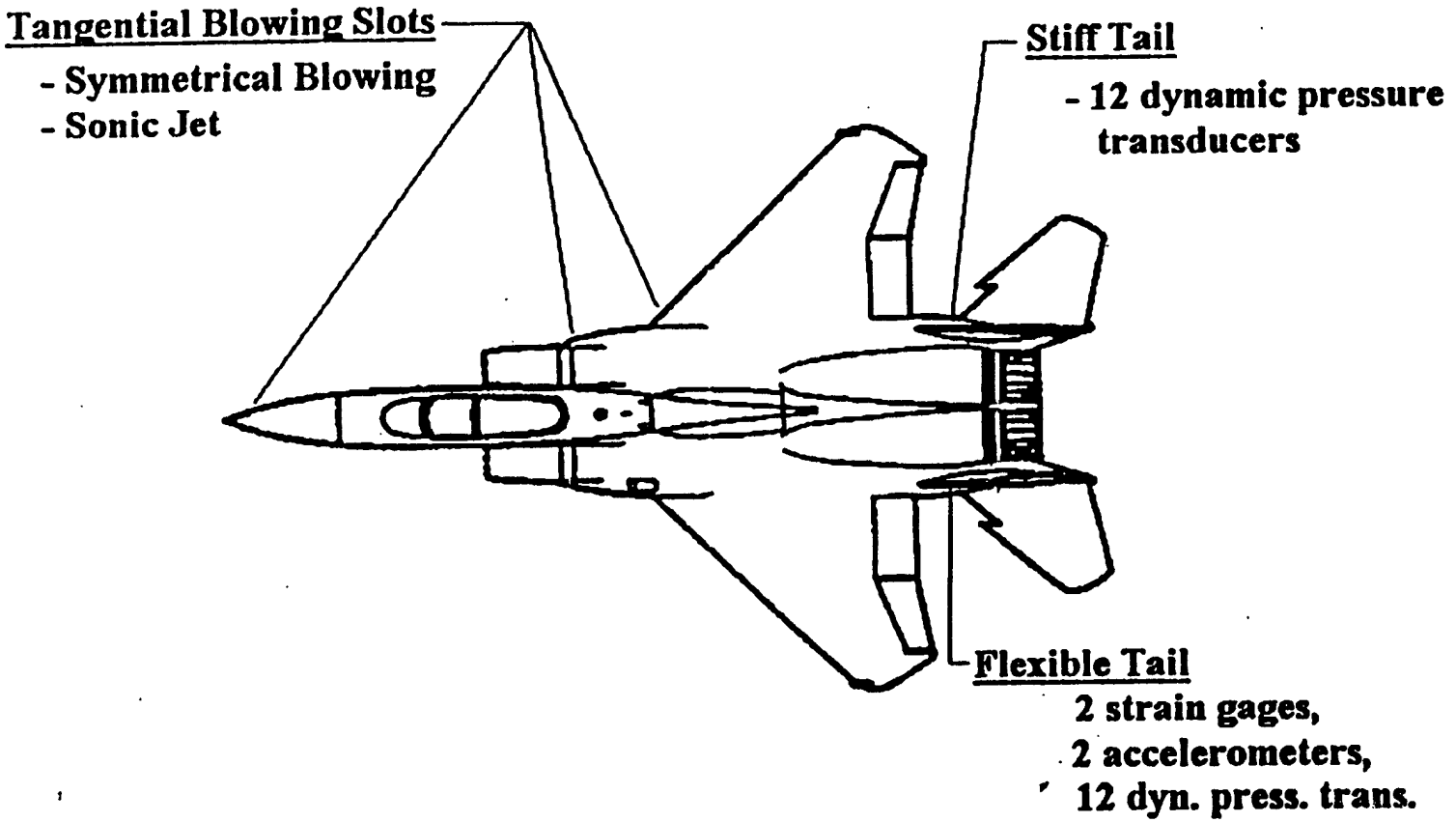
This report was prepared by Dr. Marty Allen Ferman, Consultant for CSA Engineering of Palo Alto, California. The work was performed under Contract F33615-94-3200, Task 3413-31 for the Air Vehicles Directorate of the Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio. Mr. Elijah W. Turner was the Air Force Project Engineer. This effort was sponsored by the Unsteady Aerodynamics Integrated Product Team (IPT) of the Air Vehicles Directorate, Air Force Research Laboratory. Mr. Lawrence J. Huttsell was Chairman of the IPT.

The work by Dr. Ferman was conducted between 15 June 1996 and 15 October 1998 under job order number 24044951. The data presented in this report were reduced by Mr. Dansen Brown of the Acoustics and Sonic Fatigue Branch, Structures Division, Air Vehicles Directorate, Air Force Research Laboratory from the 4.7% F-15 Vertical Tail Buffet Test.

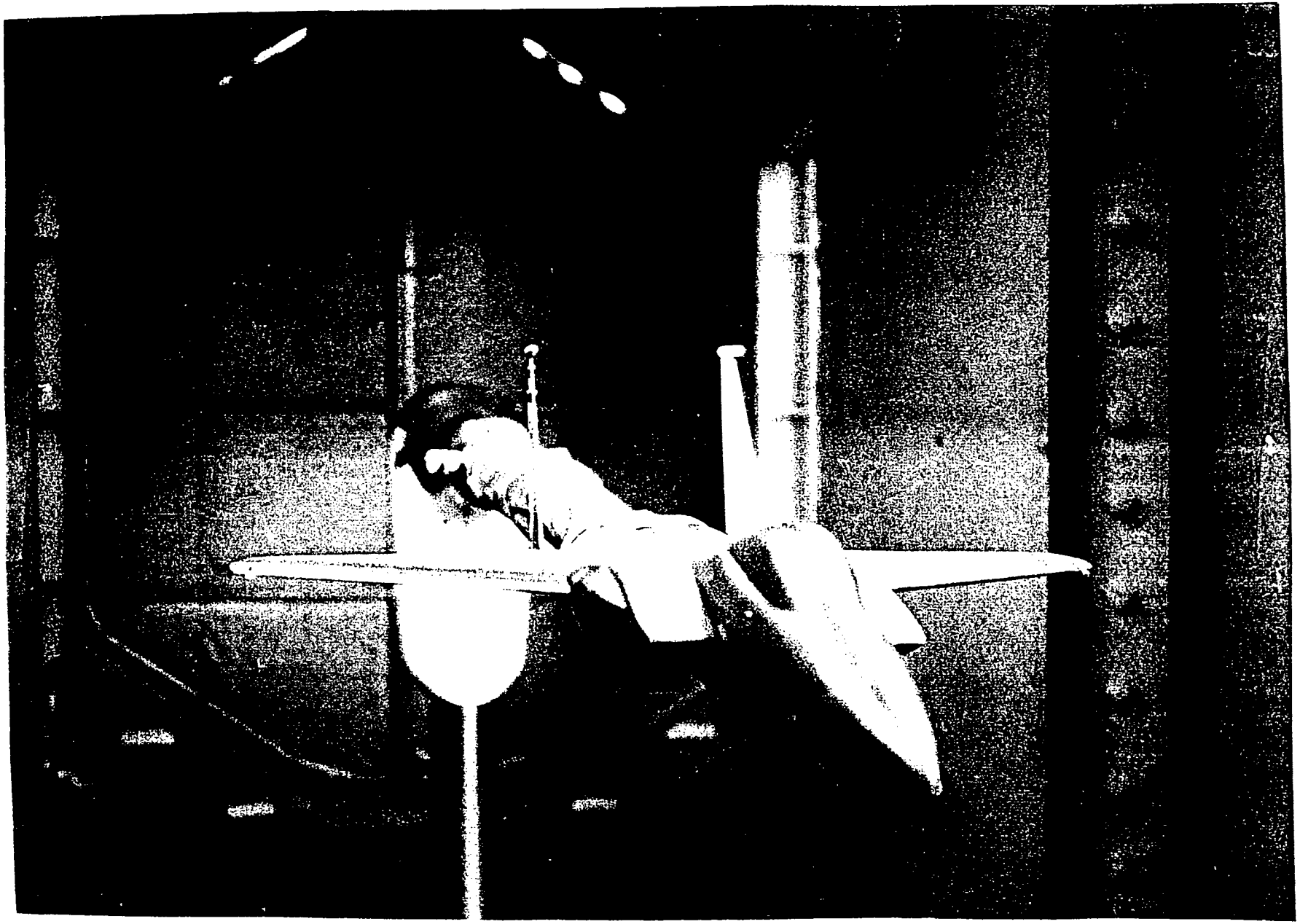
The Buffet Tests were conducted in the Subsonic Aerodynamics Research Laboratory (SARL) wind tunnel at Wright-Patterson Air Force Base in October and November of 1995. The Test Engineer was Mr. Jon Tinapple of the Aerodynamic Configuration Branch, Aeronautical Sciences Division, Air Vehicles Directorate, Air Force Research Laboratory.

This report is Volume 3 of "AN EXPERIMENTAL INVESTIGATION OF TANGENTIAL BLOWING TO REDUCE BUFFET RESPONSE OF THE VERTICAL TAILS OF AN F-15 WIND TUNNEL MODEL. This volume presents the detailed CSD graphs, in magnitude and phase plots, and gives summary tables of rms values of the magnitudes from those graphs. To aid with the comprehension of this data, figures from Volume 1 (AFRL-VA-WP-TR-3018), showing the model, setup, and model instrumentation are repeated at the beginning of this report. The reader will most likely have to refer to Volume 1 for added tie-in.

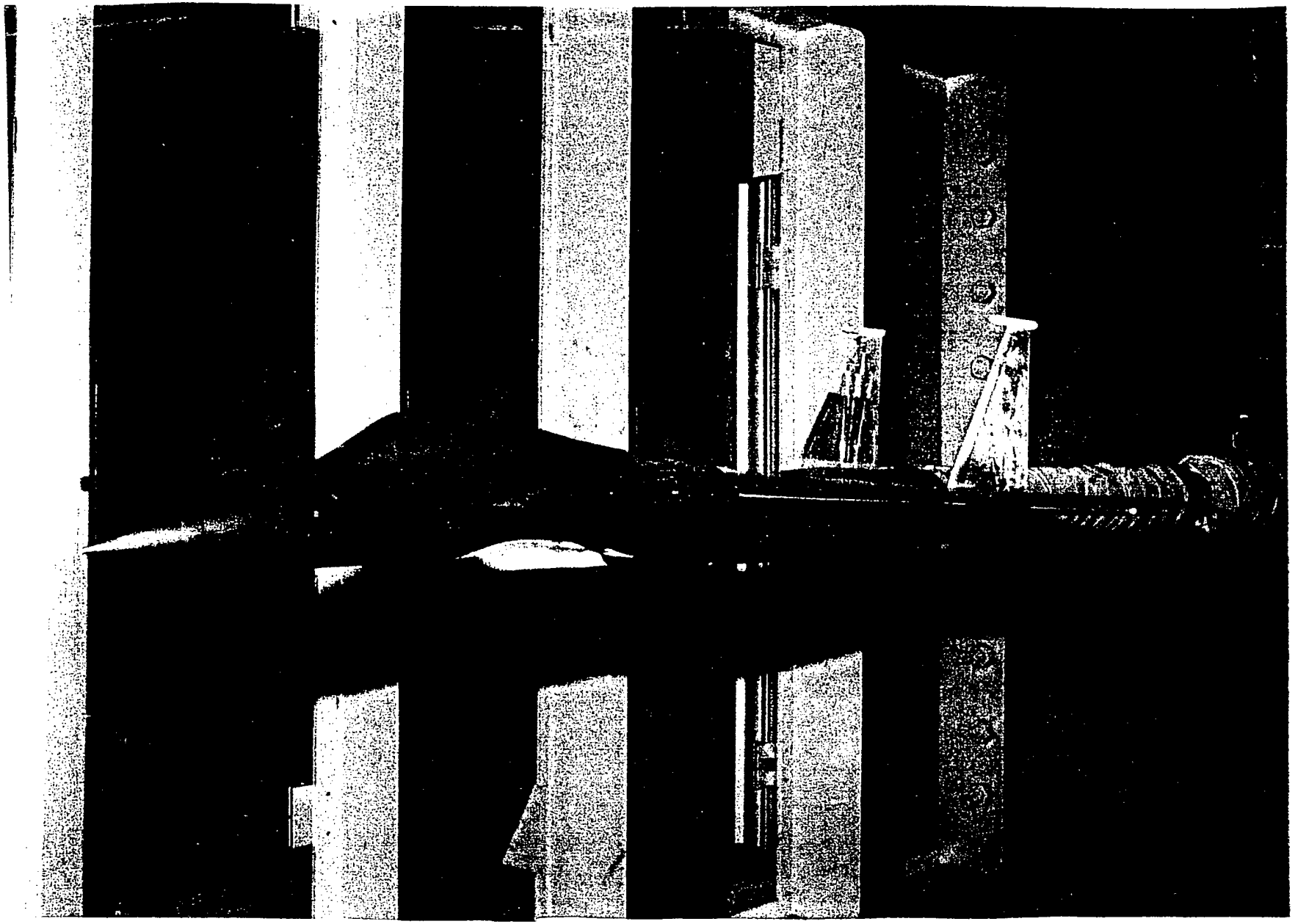
This report was submitted in January 1999 for publication as an Air Force Research Laboratory Technical Report.



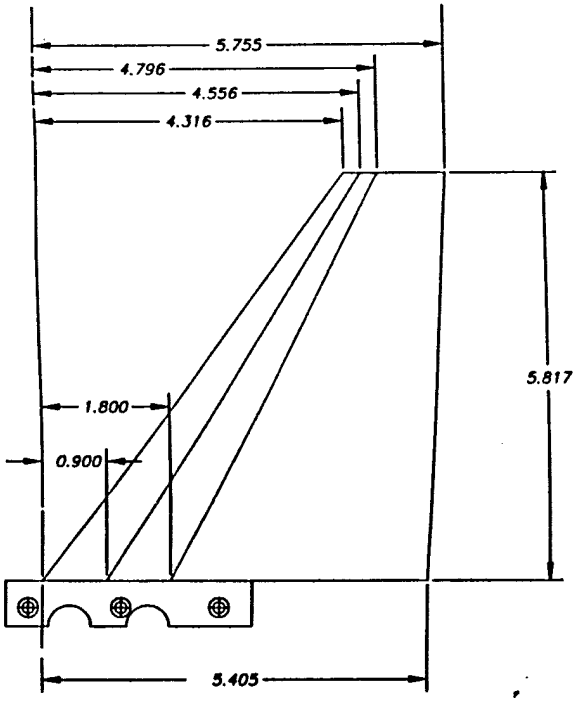
2.1.1 PLANVIEW OF 4.7 % F-15 WIND TUNNEL MODEL



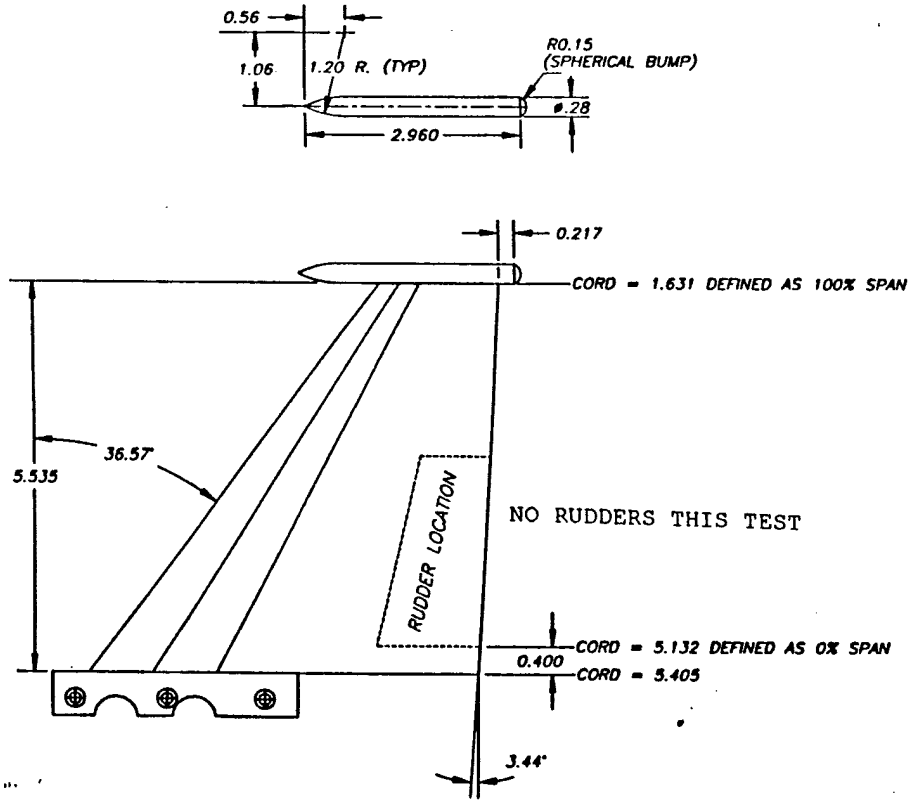
2.1.2 **4.7 % BUFFET MODEL IN WIND TUNNEL**



2.1.3 4.7 % MODEL - VIEW FROM FLEX TAIL SIDE



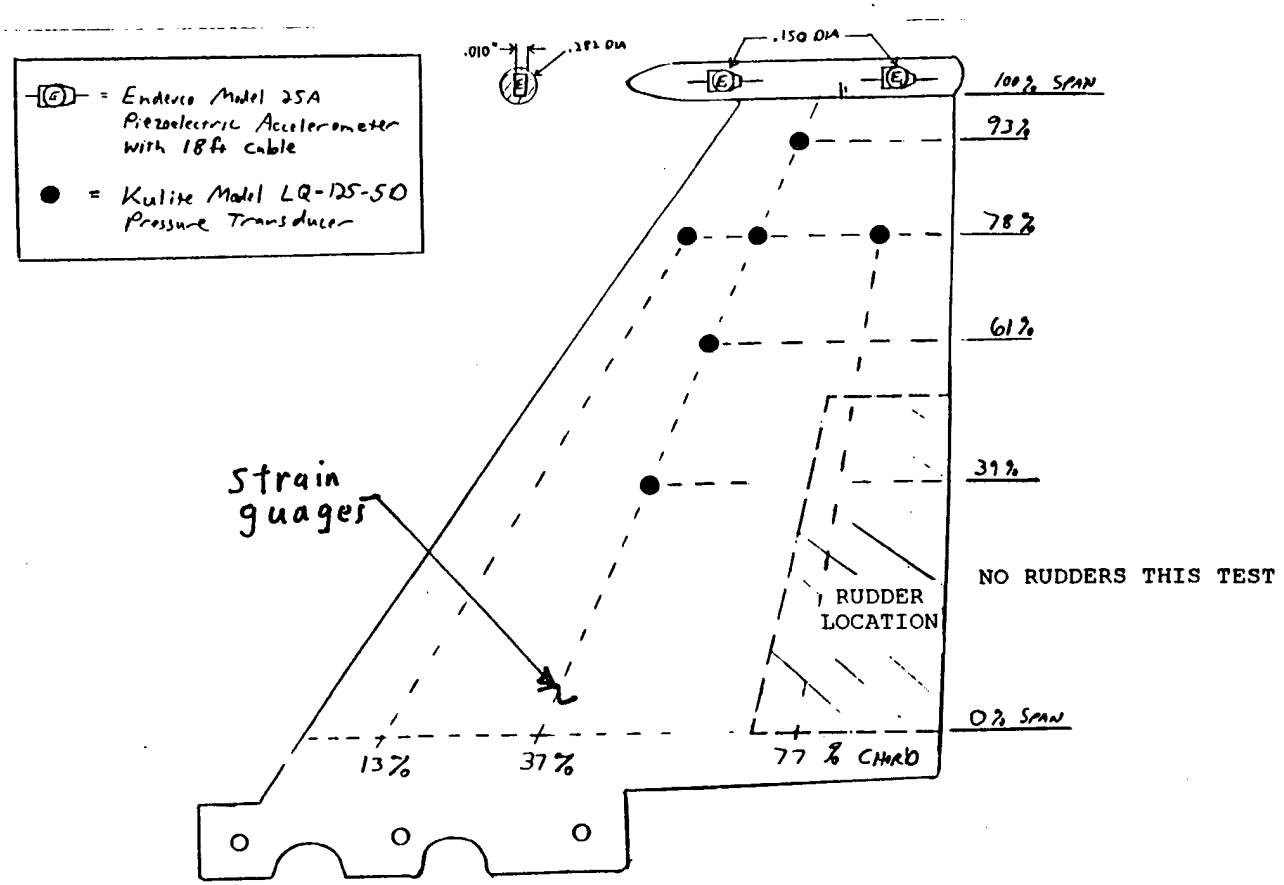
VERT. TAIL GEOMETRY WITHOUT TIP PODS



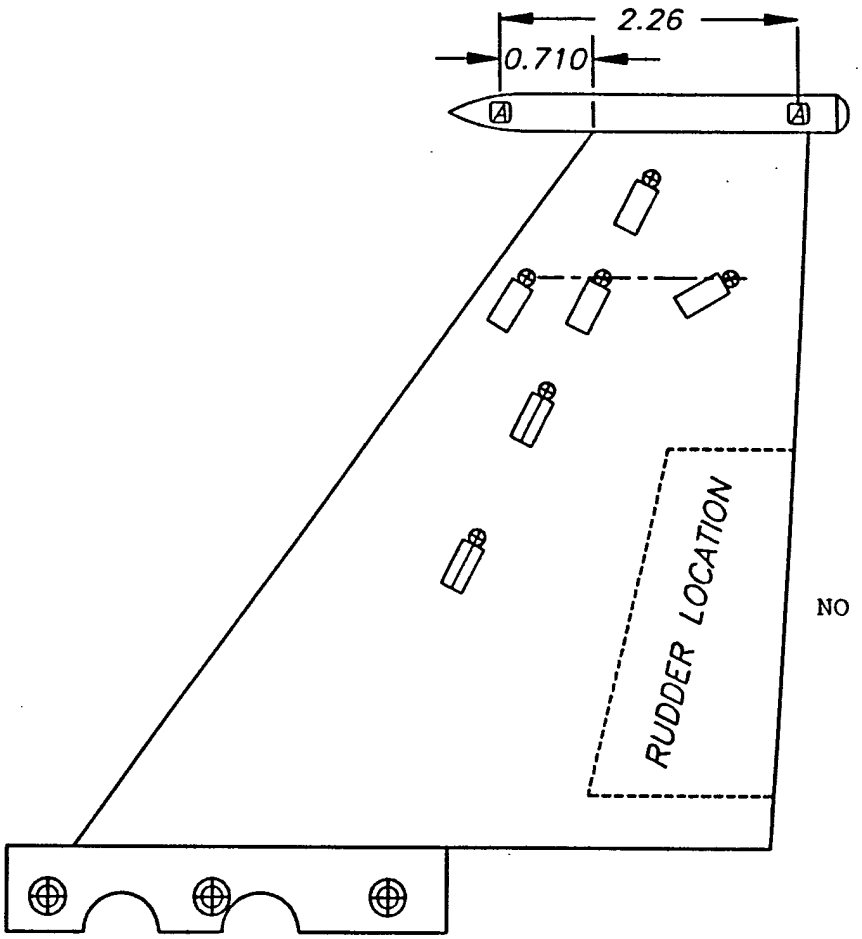
DETAILS OF VERT. TAIL WITH TIP POD

4

2.1.4 **GEOMETRY OF 4.7% SCALE VERTICAL TAIL**



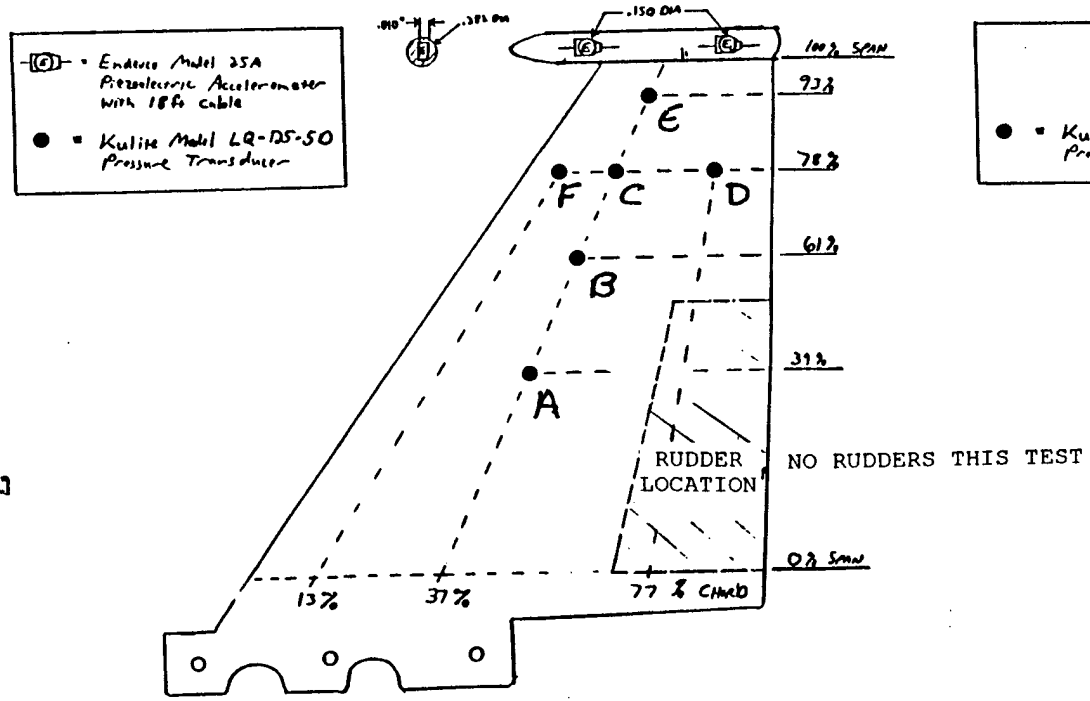
2.1.5 FIG **INSTRUMENTATION LAYOUT ON FLEXIBLE VERTICAL TAIL**



NO RUDDERS IN THIS TEST

2.1.1 F1 **PRESSURE TRANSDUCER LAYOUT - BOTH TAILS**

FLEXIBLE TAIL



RIGID TAIL

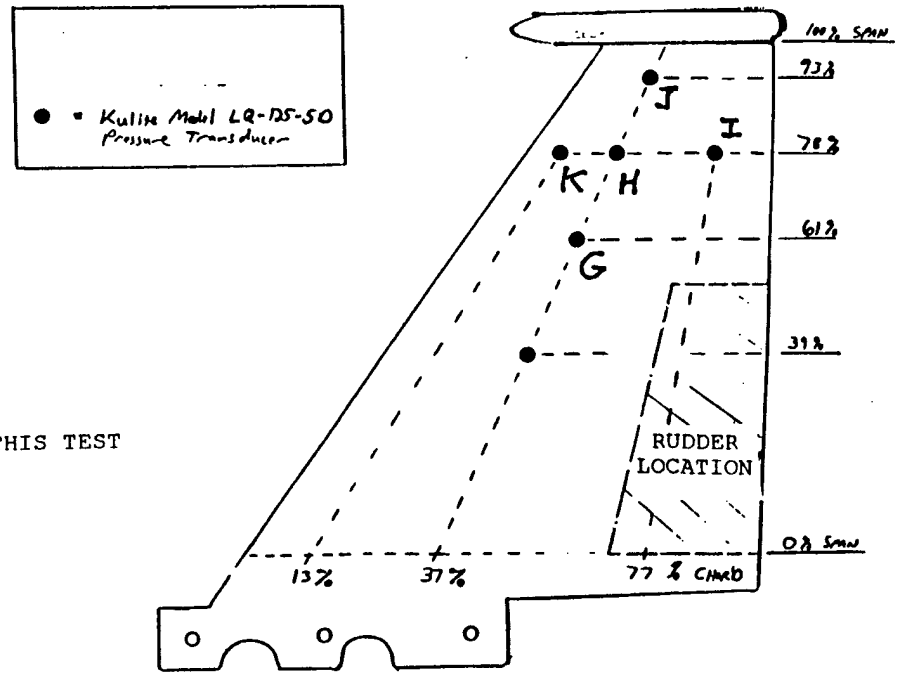


FIG P-1

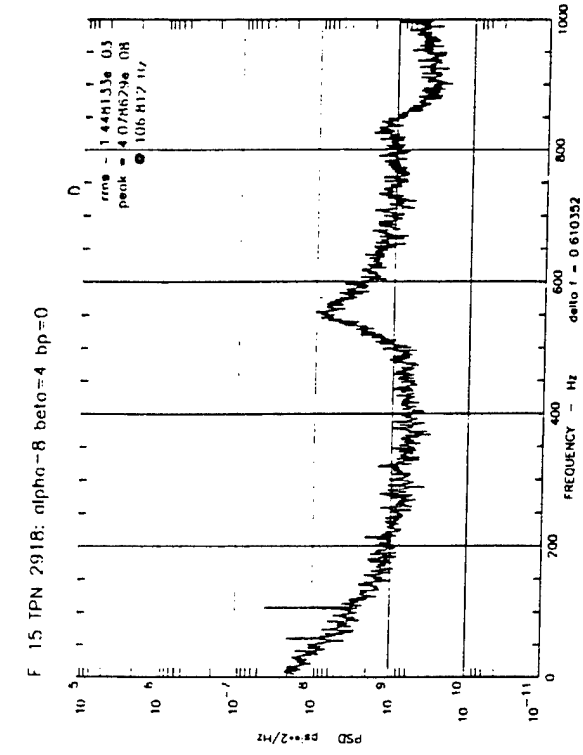
PRESSURE TRANSDUCERS- LETTER INDENTIFICATION

2.0 DIMENSIONAL PRESSURE DATA, FLEX. AND RIGID TAILS

PRESSURE PSD's

Q=56 PSF

2.1.1 PSD GRAPHS(5- 1000 Hz), wbp = 0,45, 65, Beta = 0, +4, -4 Deg, Alpha = 8...32 Deg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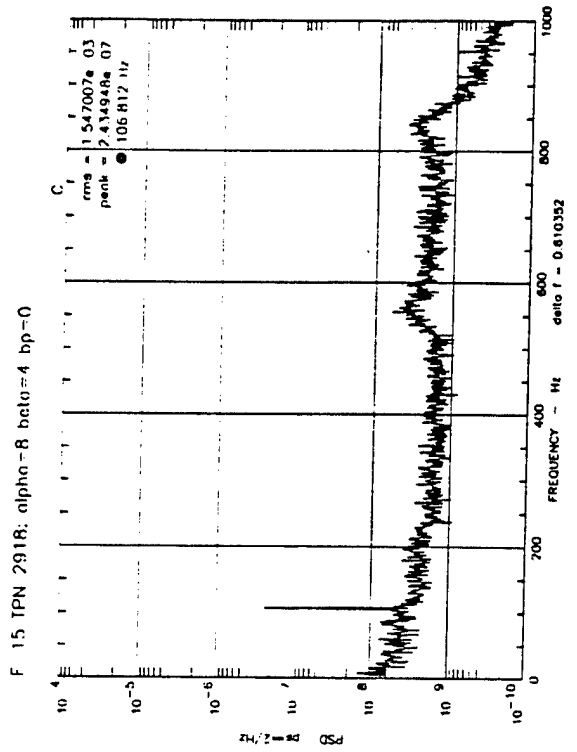
@ 106.812 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352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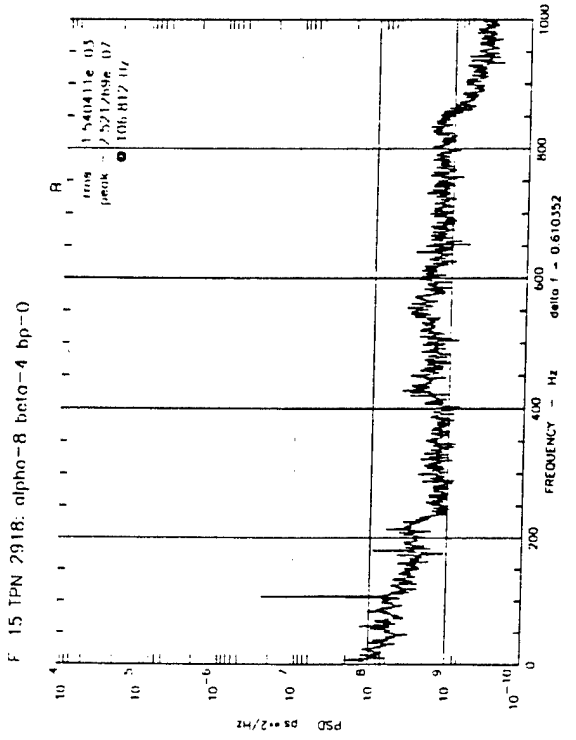
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PSD
FREQUENCY - Hz
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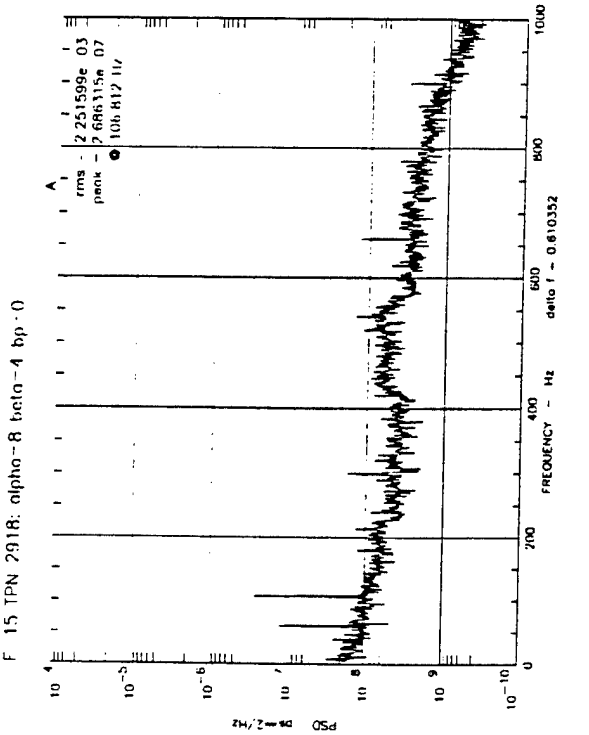
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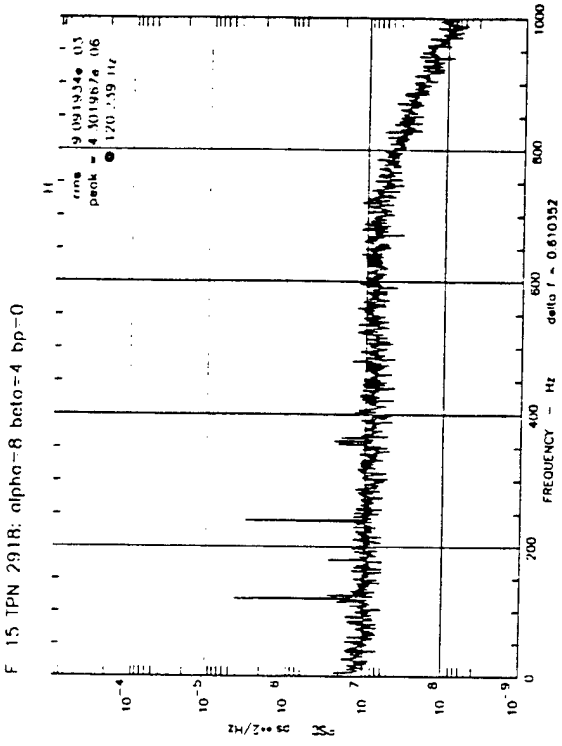
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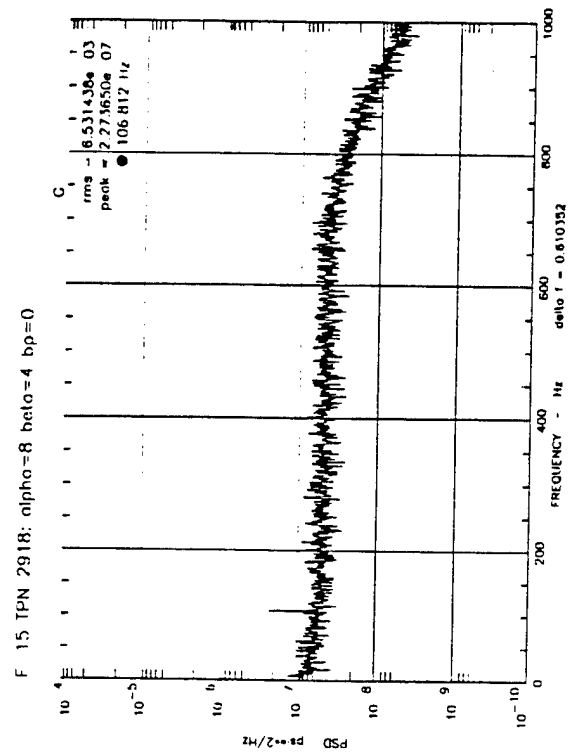
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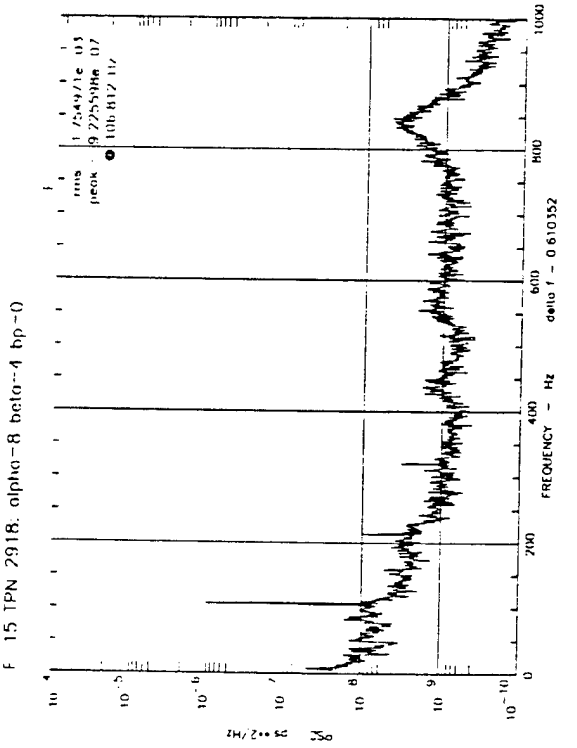
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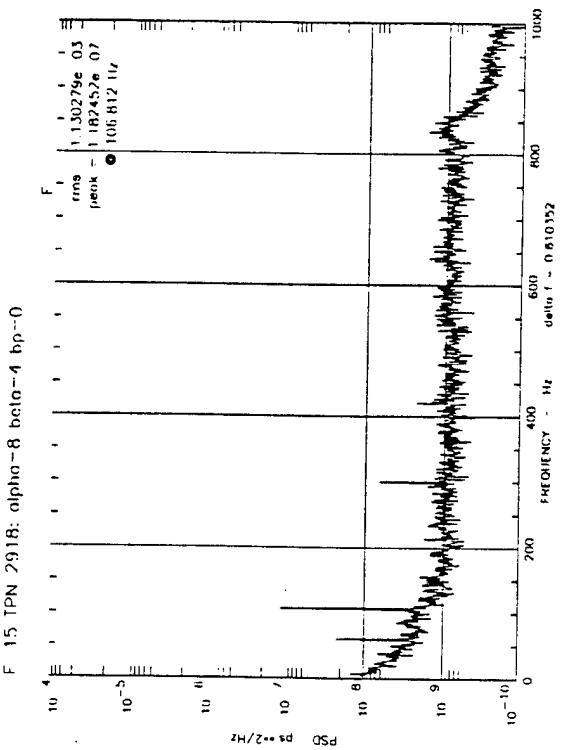
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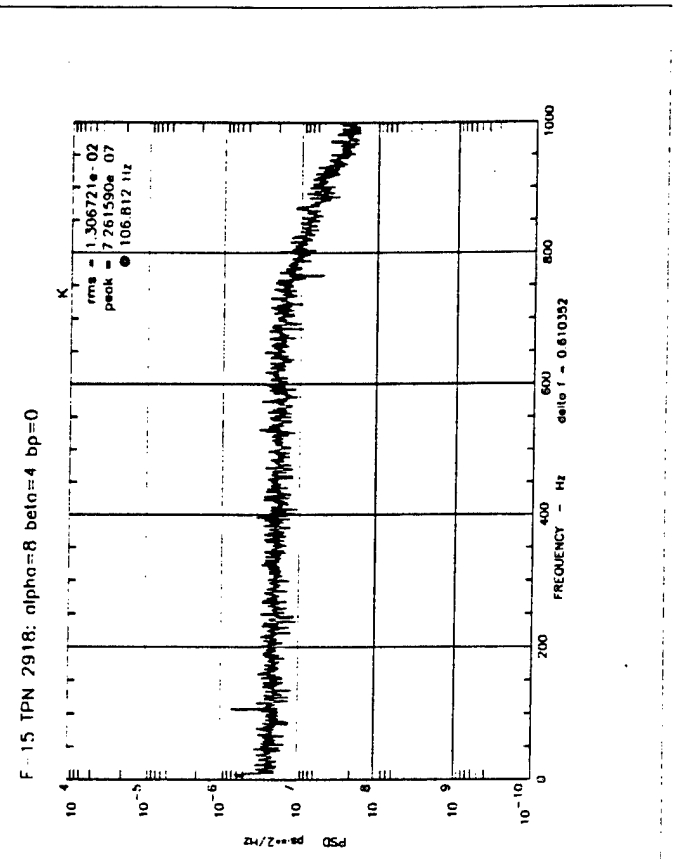
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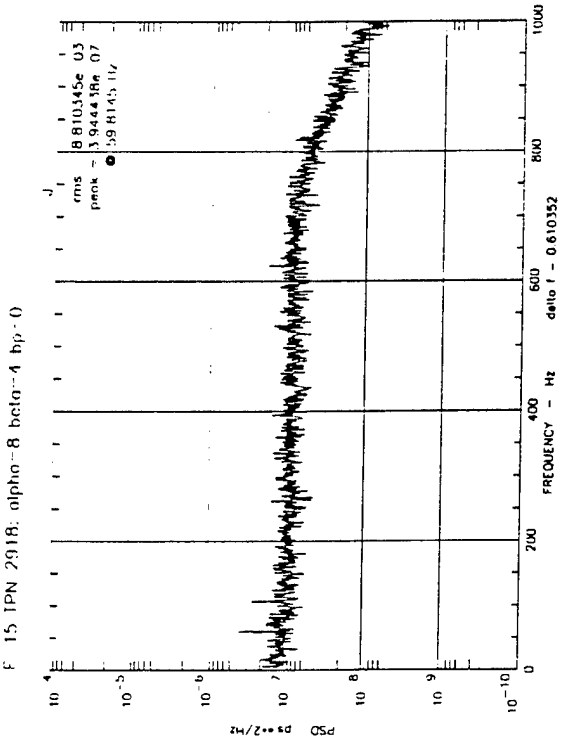
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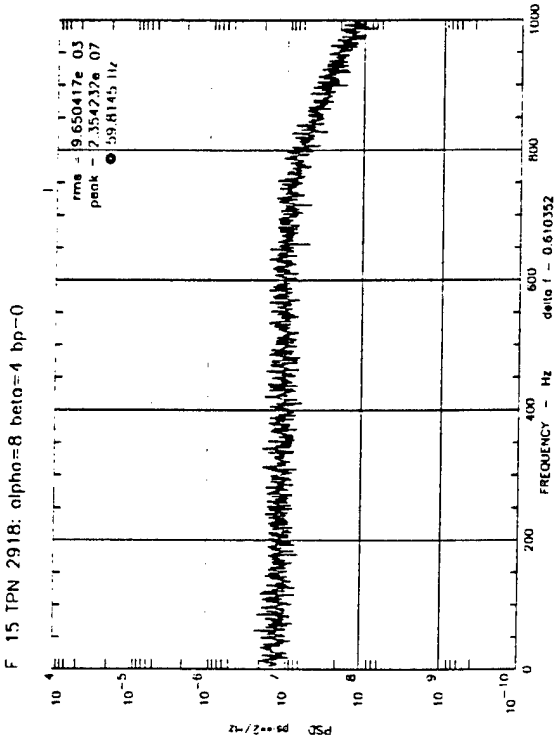
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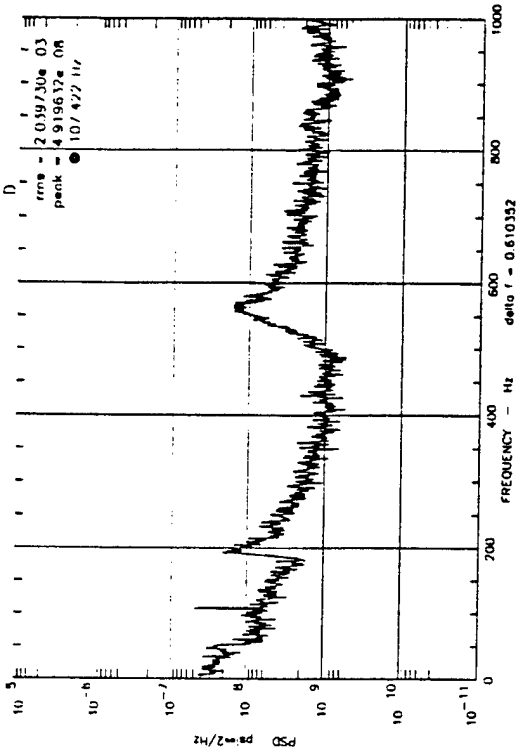
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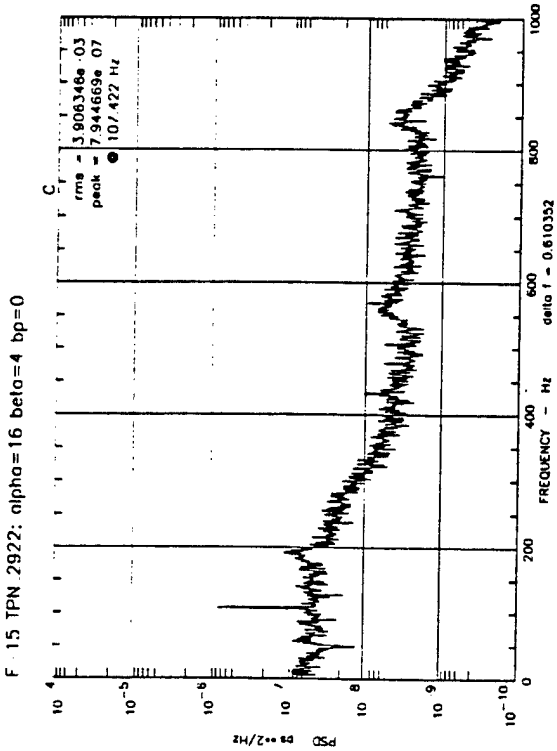
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FREQUENCY - Hz
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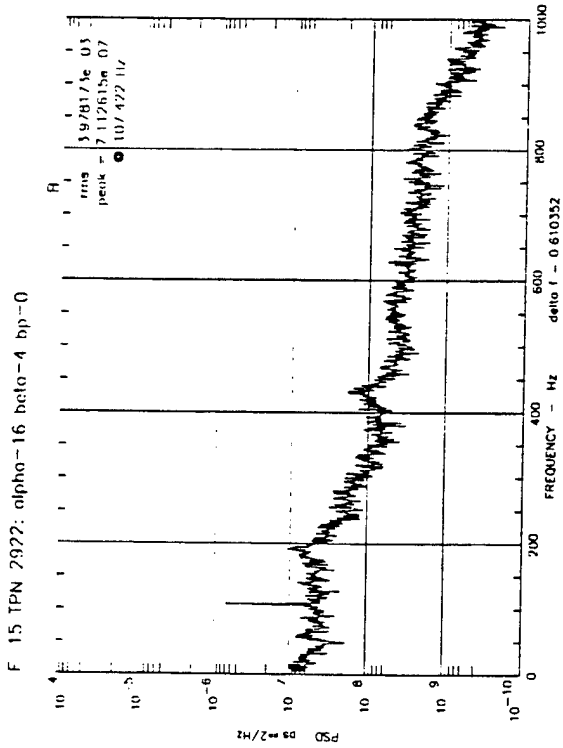
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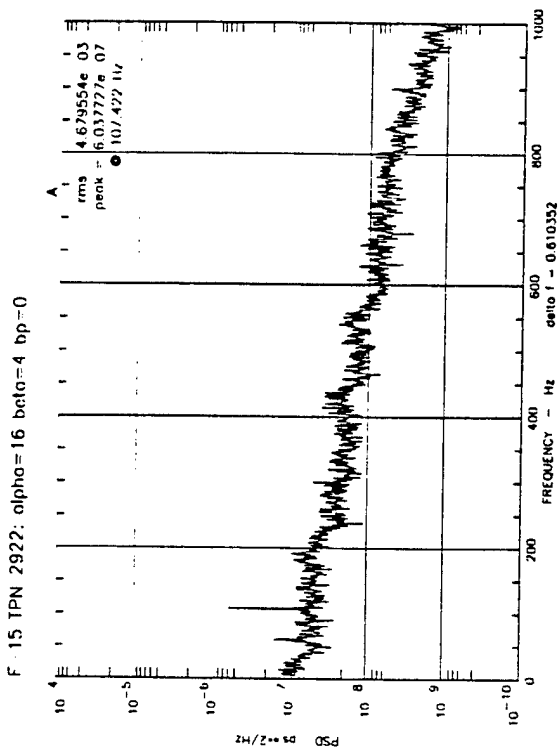
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352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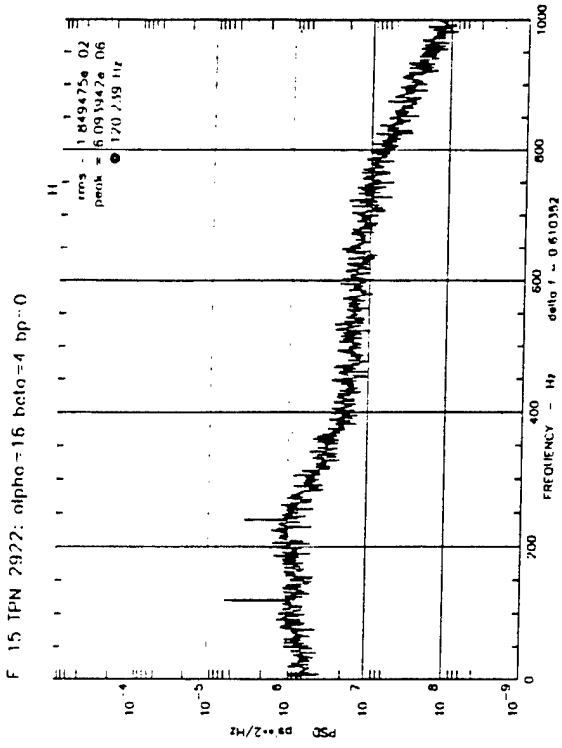
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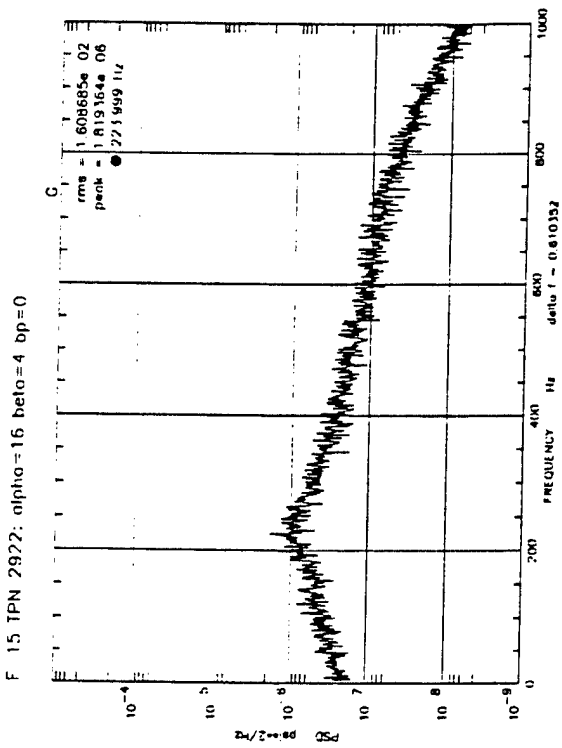
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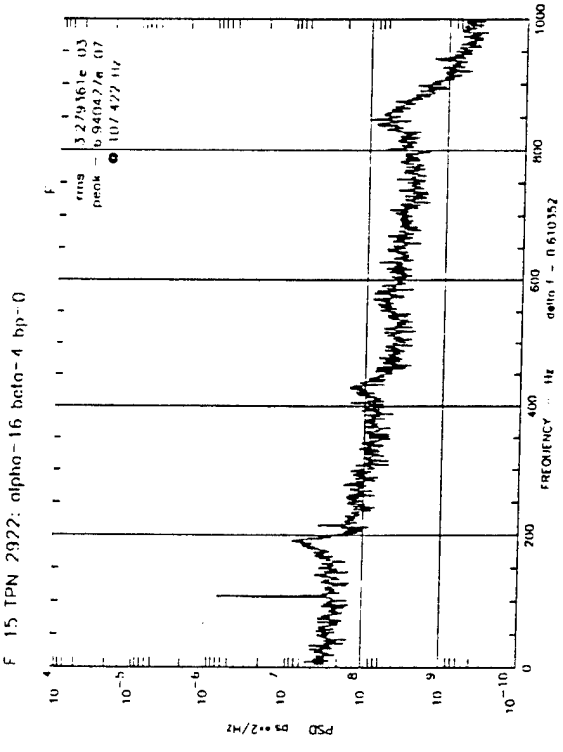
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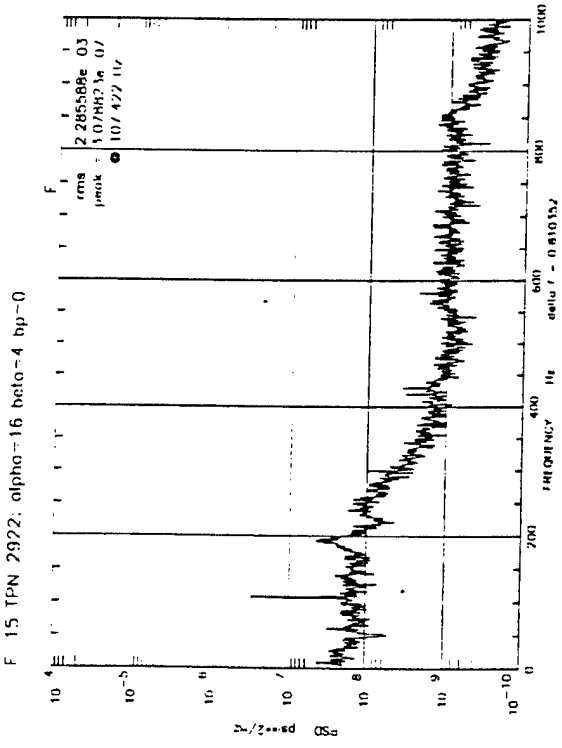
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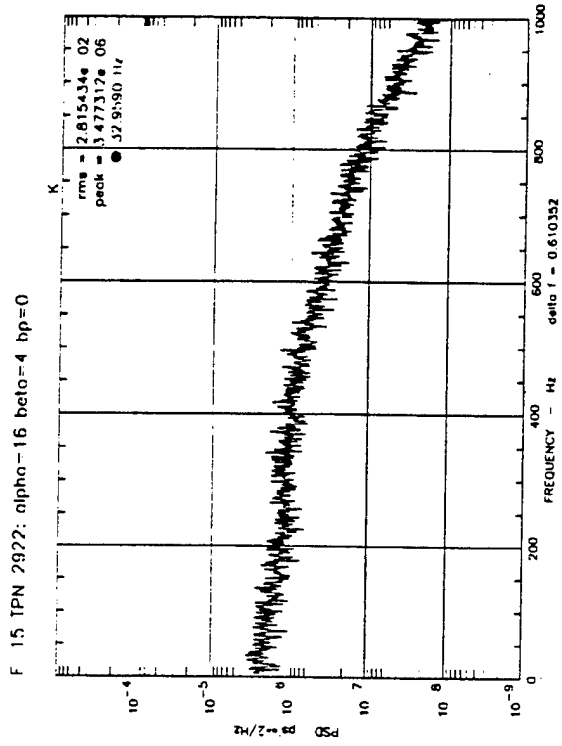
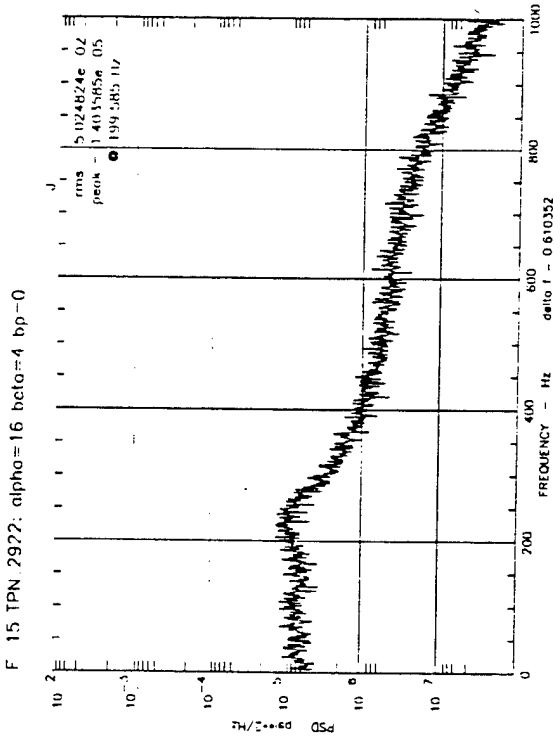
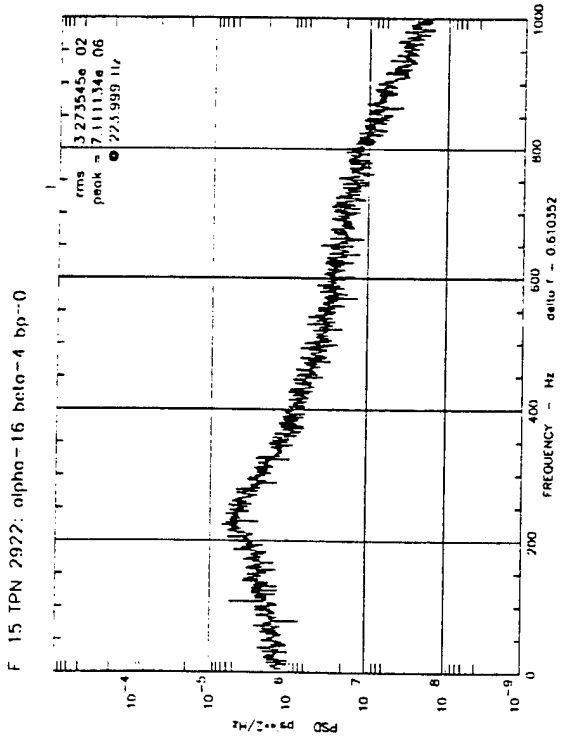
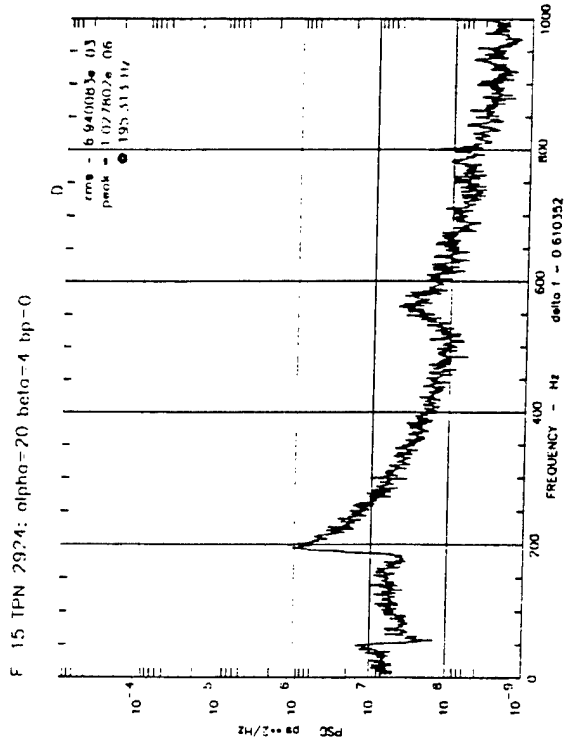
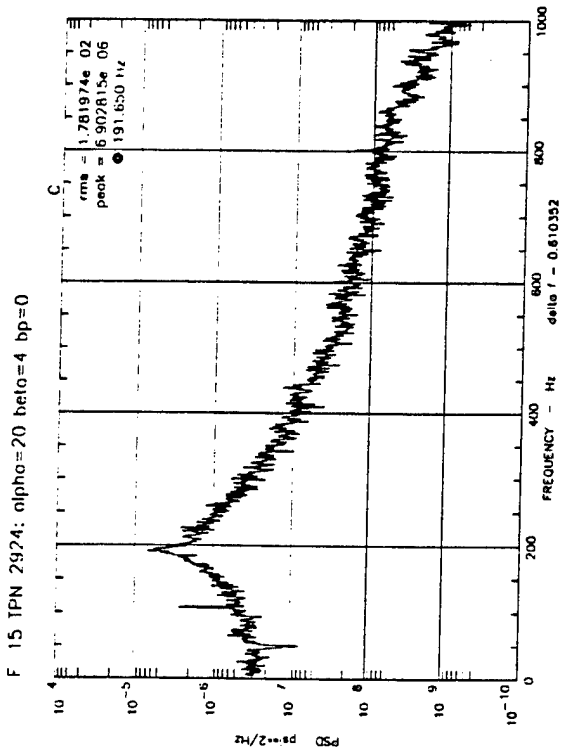
FREQUENCY Hz
delta f = 0.610352

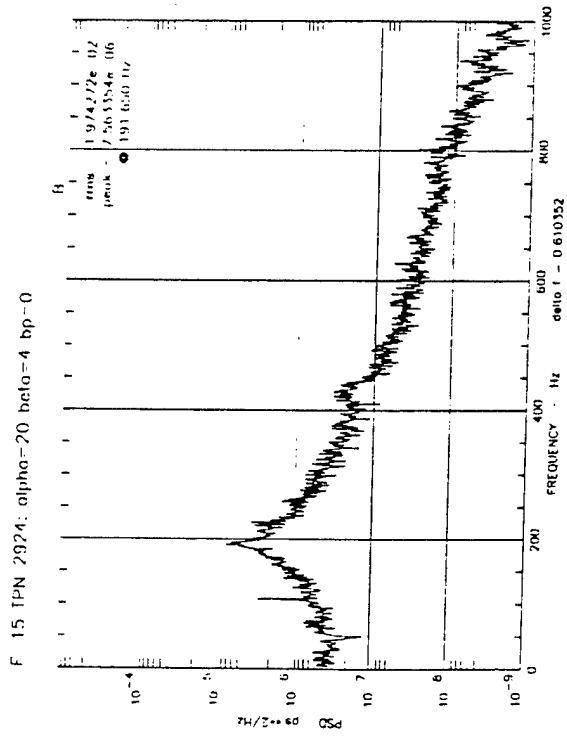

F 15 TPN 2922: alpha=16 beta=4 bp=0
K
rms = 2.815434e 02
peak = 3.477317e 06
@ 32.9590 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352

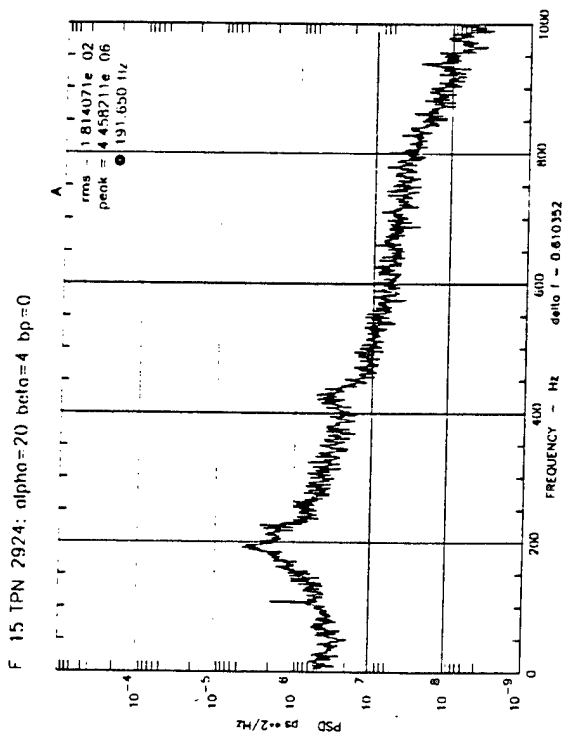

F 15 TPN 2922: alpha=16 beta=4 bp=0
J
rms = 5.102482e 02
peak = 1.401585e 05
@ 199.585 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352

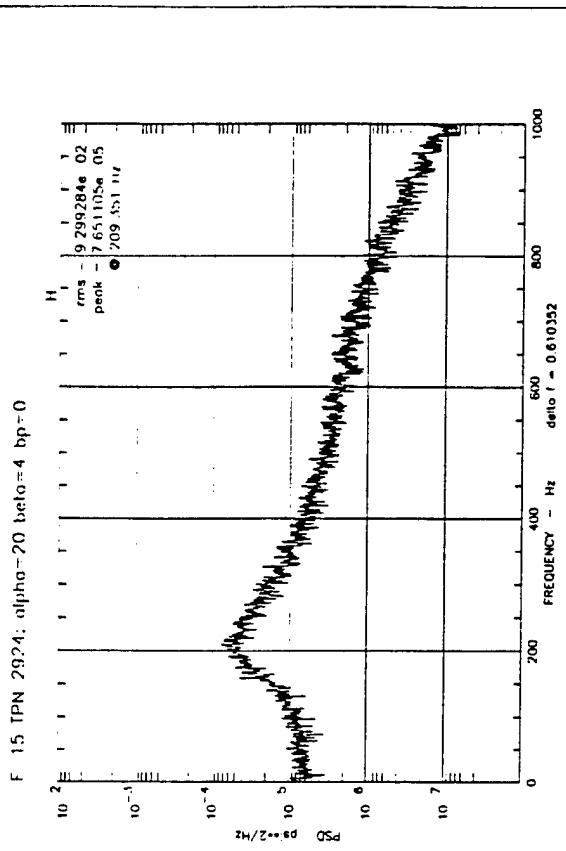

F 15 TPN 2922: alpha=16 beta=4 bp=0
I
rms = 3.273545e 02
peak = 7.111134e 06
@ 223.999 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352

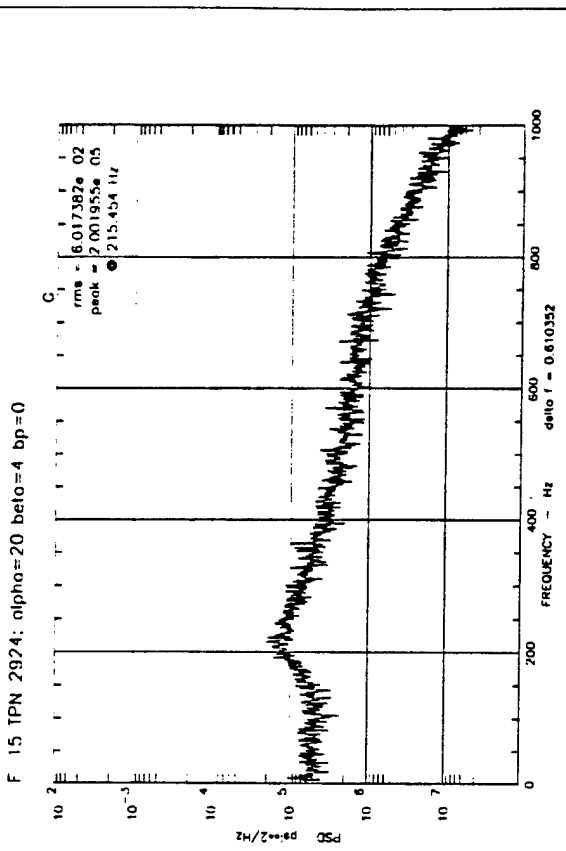

F 15 TPN 2924: alpha=20 beta=4 bp=0
D
rms = 6.940083e 03
peak = 1.027802e 06
@ 195.313 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

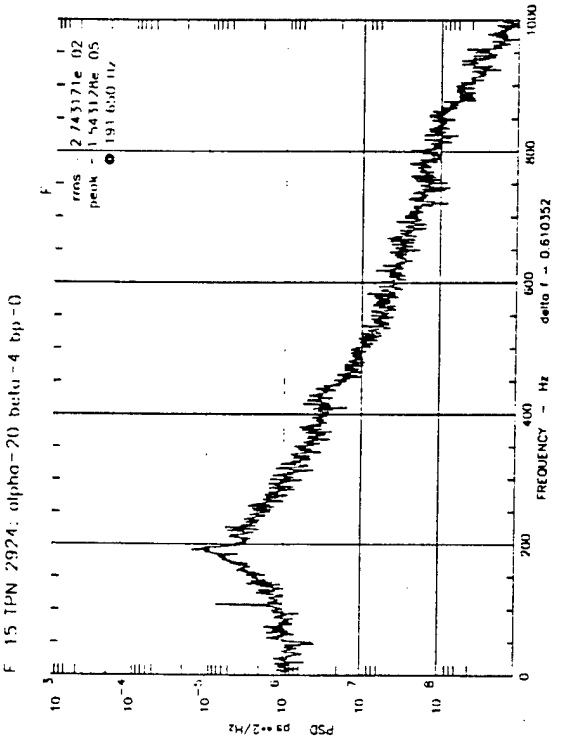

F 15 TPN 2924: alpha=20 beta=4 bp=0
C
rms = 1.781974e 02
peak = 6.902815e 06
@ 191.650 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

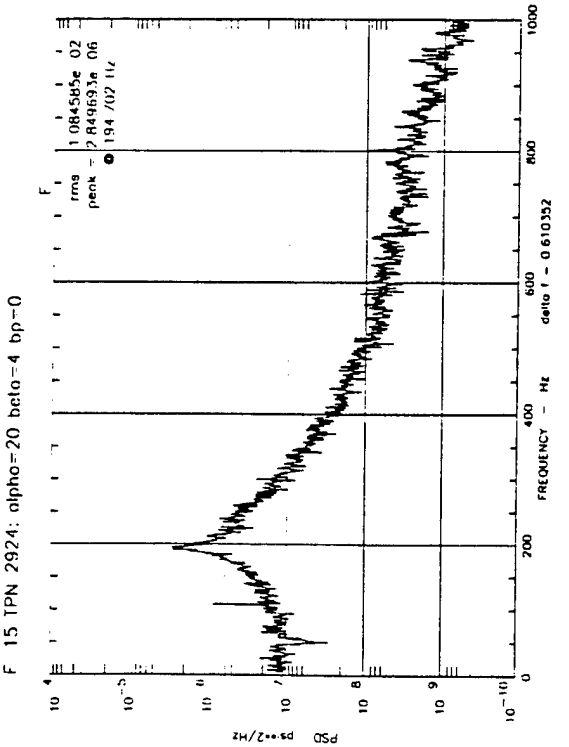

F 15 TPN 2924: alpha=20 beta=4 bp=0
B
rms = 1.974272e 02
peak = 7.561554e 06
@ 191.650 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

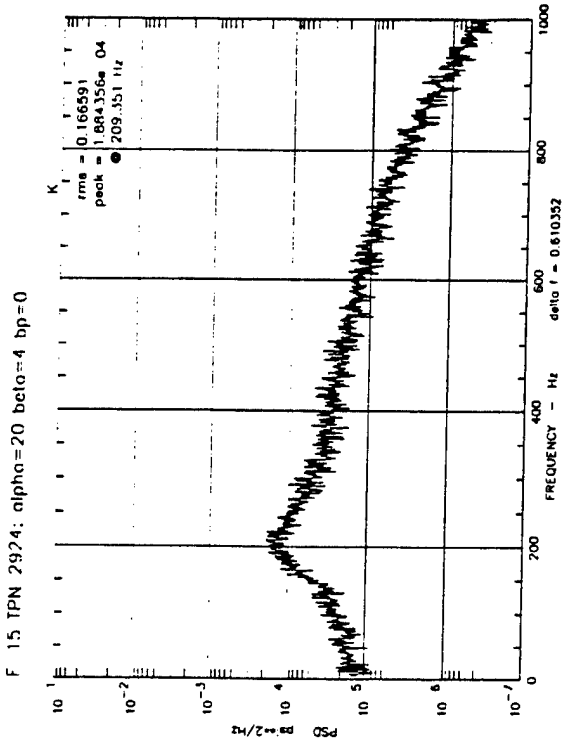

F 15 TPN 2924: alpha=20 beta=4 bp=0
A
rms = 1.814071e 02
peak = 4.458211e 06
@ 191.650 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

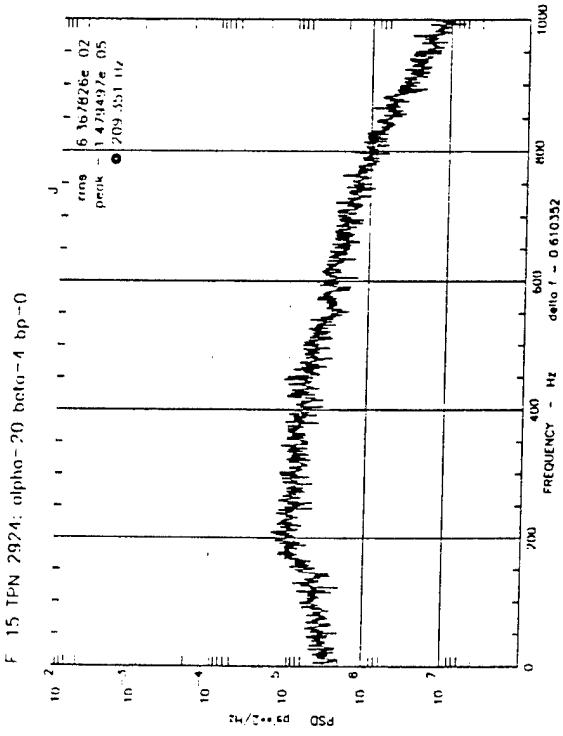

F 15 TPN 2924: alpha=20 beta=4 bp=0
H
rms = 9.299284e 02
peak = 7.651105e 05
@ 209.551 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

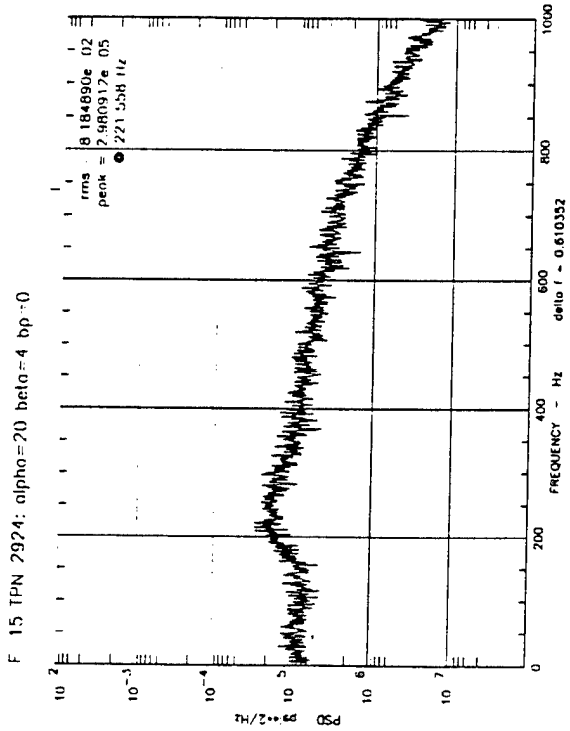

F 15 TPN 2924: alpha=20 beta=4 bp=0
G
rms = 6.017382e 02
peak = 2.001955e 05
@ 215.454 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

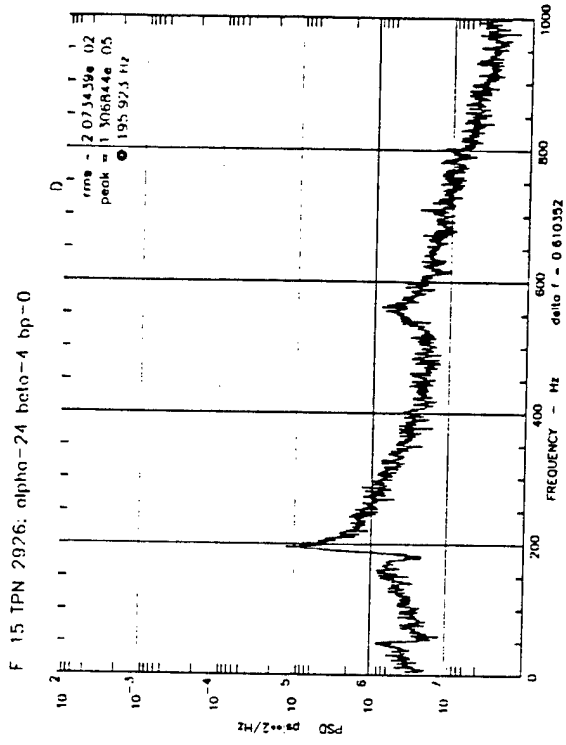

F 15 TPN 2924: alpha=20 beta=4 bp=0
F
rms = 2.743171e 02
peak = 1.543128e 05
@ 191.650 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

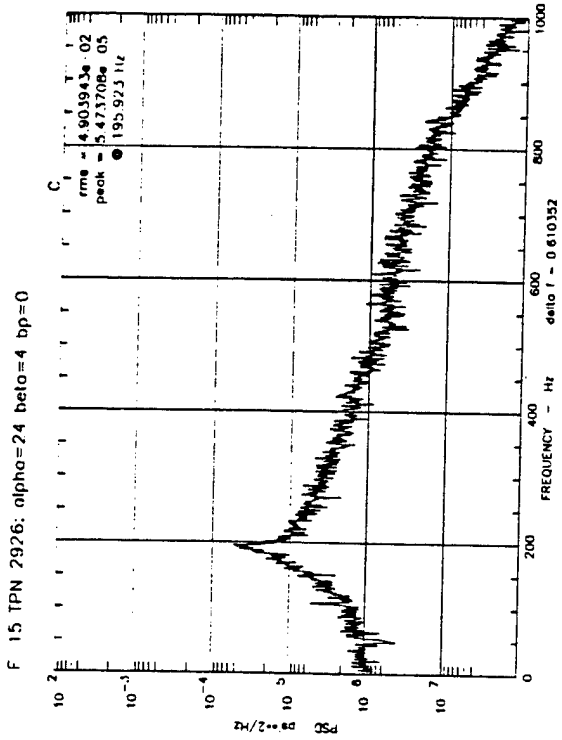

F 15 TPN 2924: alpha=20 beta=4 bp=0
F
rms = 1.084585e 02
peak = 2.849693e 06
@ 194.702 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

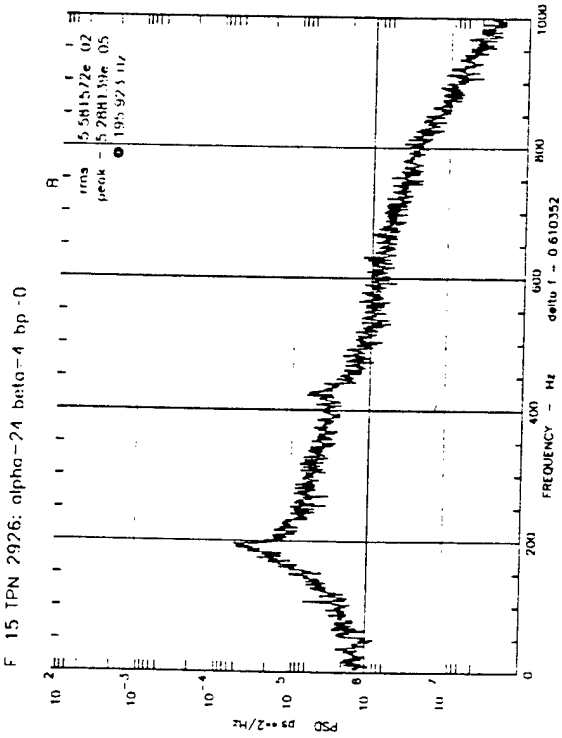

F 15 TPN 2924: alpha=20 beta=4 bp=0
K
rms = 0.166591
peak = 1.884356e 04
@ 209.351 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

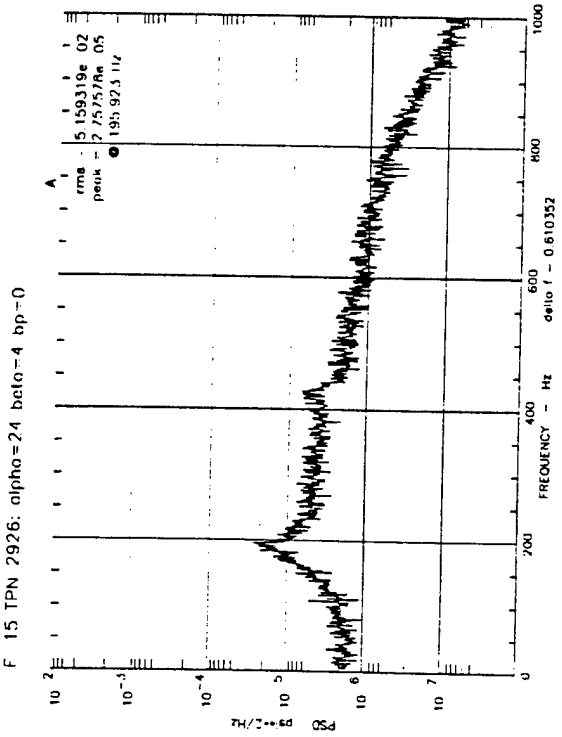

F 15 TPN 2924: alpha=20 beta=4 bp=0
J
rms = 6.367876e 02
peak = 1.473437e 05
@ 209.351 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

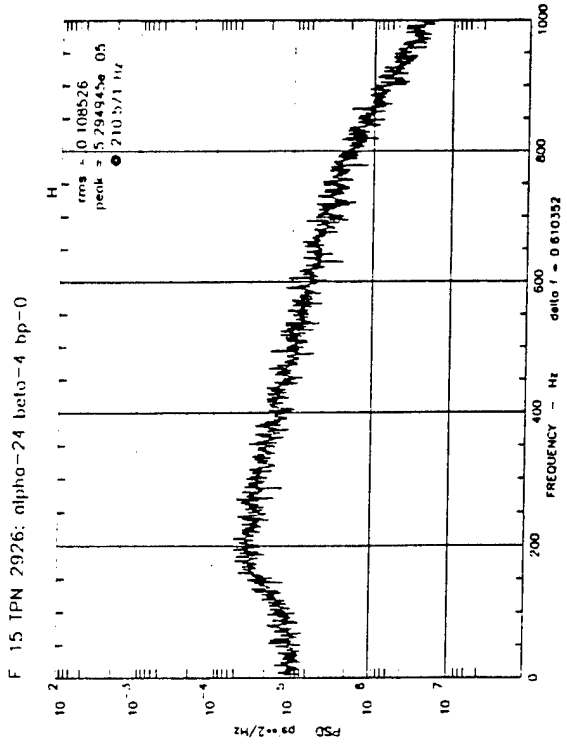

F 15 TPN 2924: alpha=20 beta=4 bp=0
rms = 8.184890e 02
peak = 2.980917e 05
@ 221.558 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

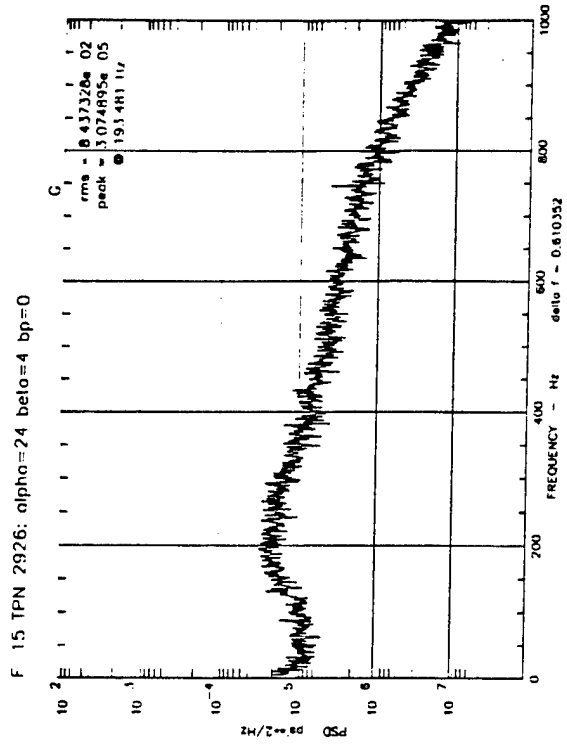

F 15 TPN 2926: alpha=24 beta=4 bp=0
D
rms = 2.073439e 02
peak = 1.306844e 05
@ 195.923 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

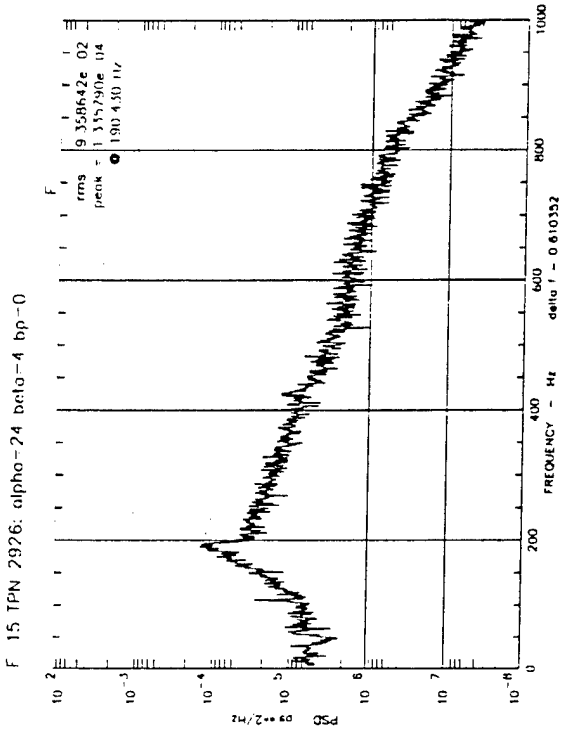

F 15 TPN 2926: alpha=24 beta=4 bp=0
C
rms = 4.903943e 02
peak = 5.473708e 05
@ 195.923 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

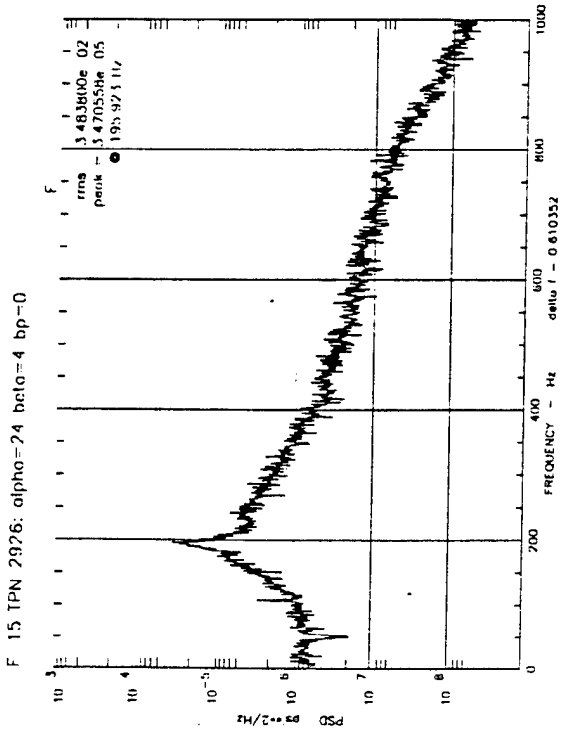

F 15 TPN 2926: alpha=24 beta=4 bp=0
B
rms = 5.581572e 02
peak = 5.284159e 05
@ 195.923 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

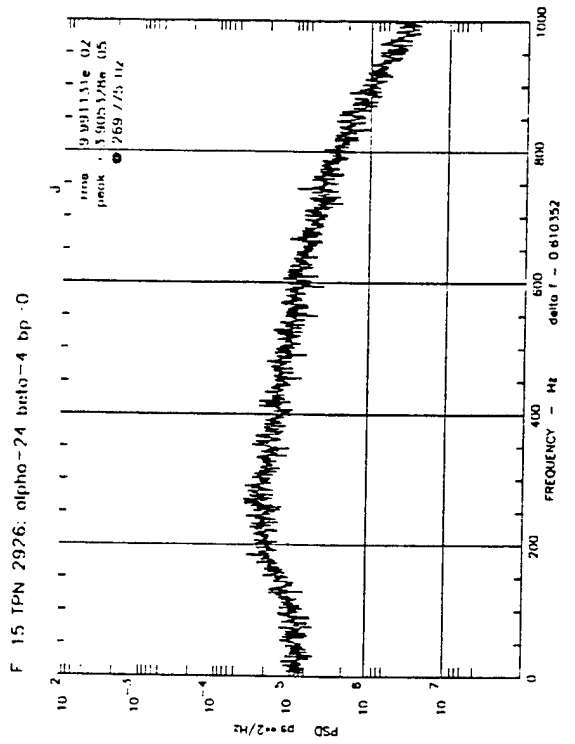

F 15 TPN 2926: alpha=24 beta=4 bp=0
A
rms = 5.159319e 02
peak = 2.757578e 05
@ 195.923 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

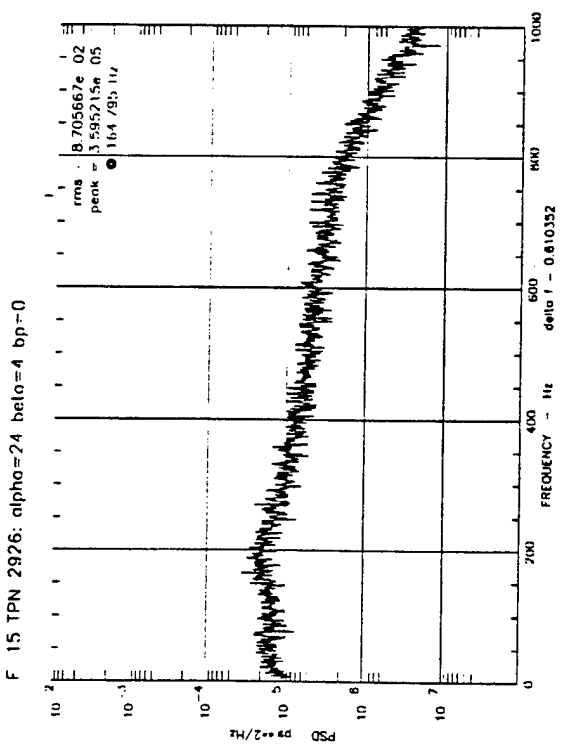

F 15 TPN 2926: alpha=24 beta=4 bp=0
H
rms = 0.108526
peak = 5.294934e 05
@ 210.3571 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2926: alpha=24 beta=4 bp=0
G
rms = 8.437328e 02
peak = 3.074895e 05
@ 193.4481 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

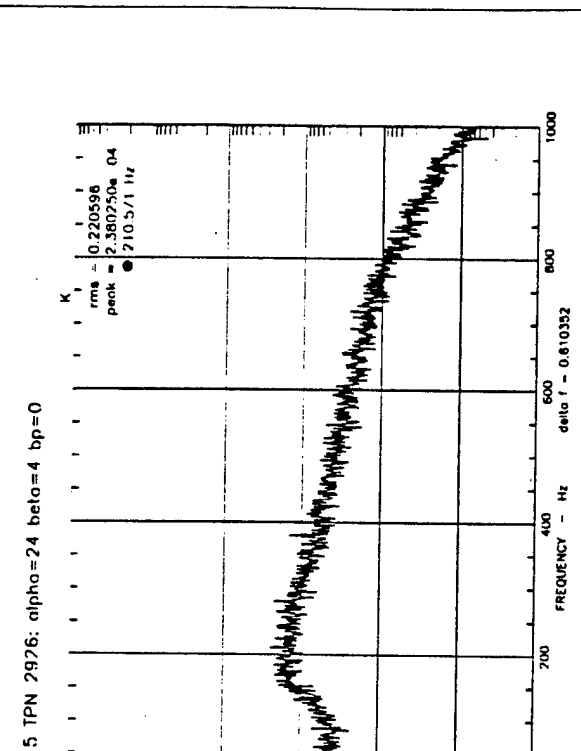

F 15 TPN 2926: alpha=24 beta=4 bp=0
F
rms = 9.358642e 02
peak = 1.157790e 04
@ 190.4590 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

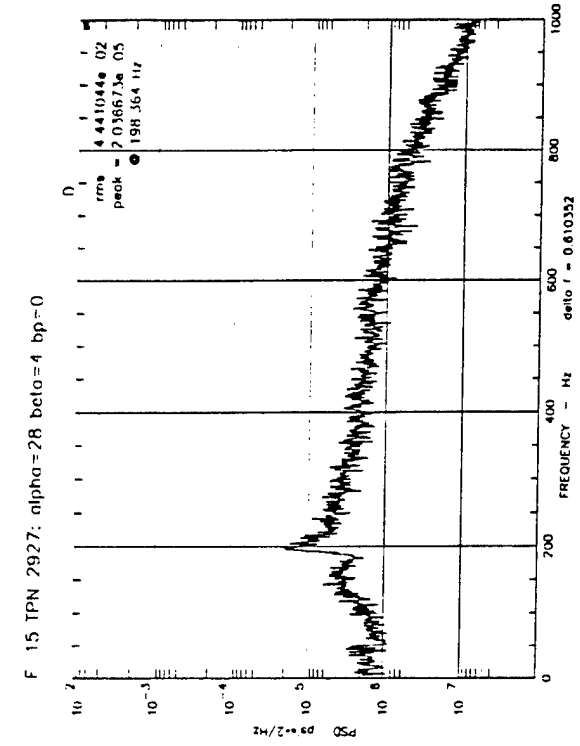

F 15 TPN 2926: alpha=24 beta=4 bp=0
F
rms = 3.483810e 02
peak = 3.470558e 05
@ 193.9971 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

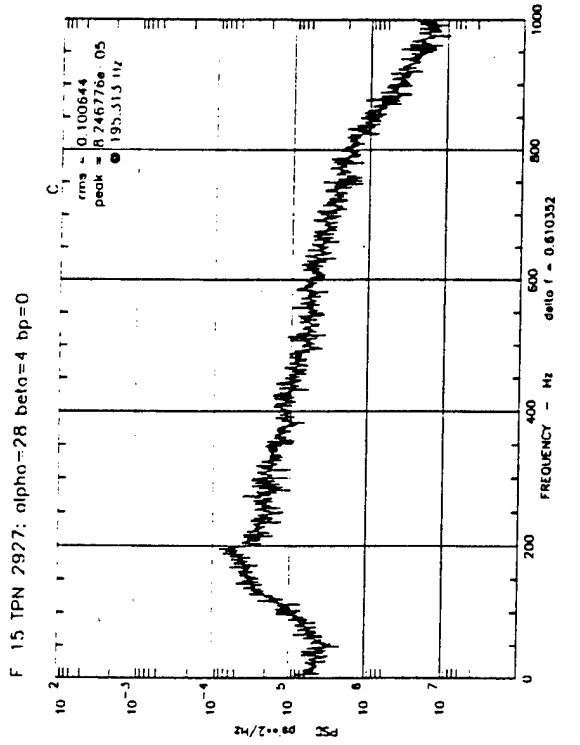

F 15 TPN 2926: alpha=24 beta=4 bp=0
PSD p9 **2/Hz
FREQUENCY - Hz
delta f - 0.610352

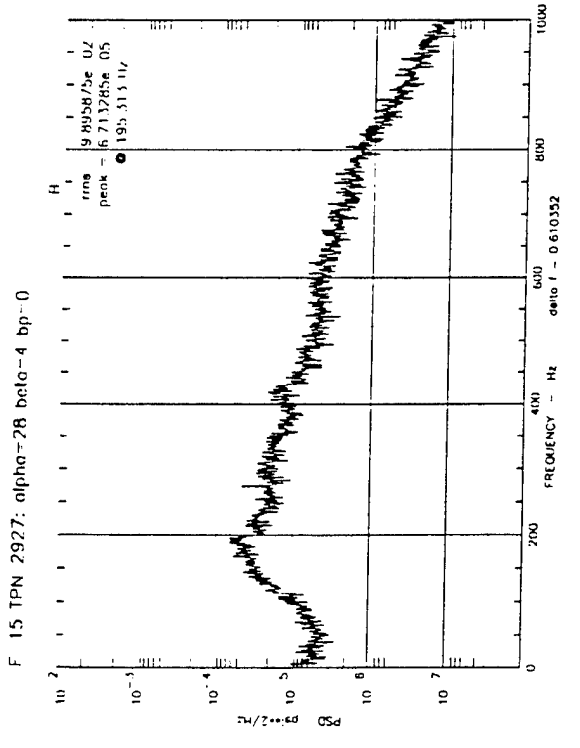

F 15 TPN 2926: alpha=24 beta=4 bp=0
PSD p9 **2/Hz
FREQUENCY - Hz
delta f - 0.610352

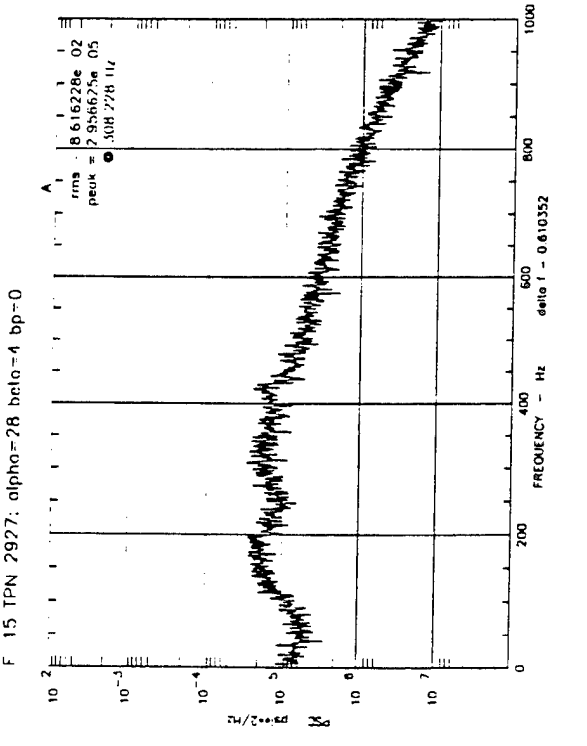
F 15 TPN 2926: alpha=24 beta=4 bp=0
PSD p9 **2/Hz
FREQUENCY - Hz
delta f - 0.610352

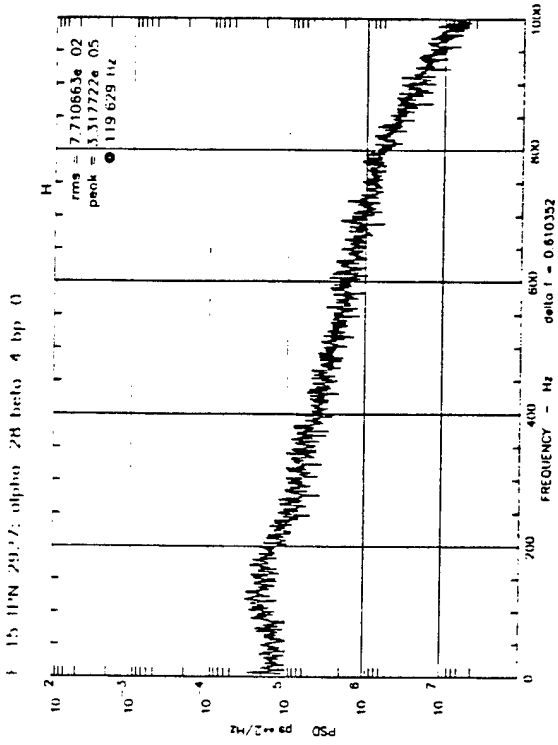

F 15 TPN 2926: alpha=24 beta=4 bp=0
PSD p9 **2/Hz
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN 2927: alpha=28 beta=4 bp=0
D
rms = 4.4410344e 02
peak = 2.0366736e 05
@ 198.364 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

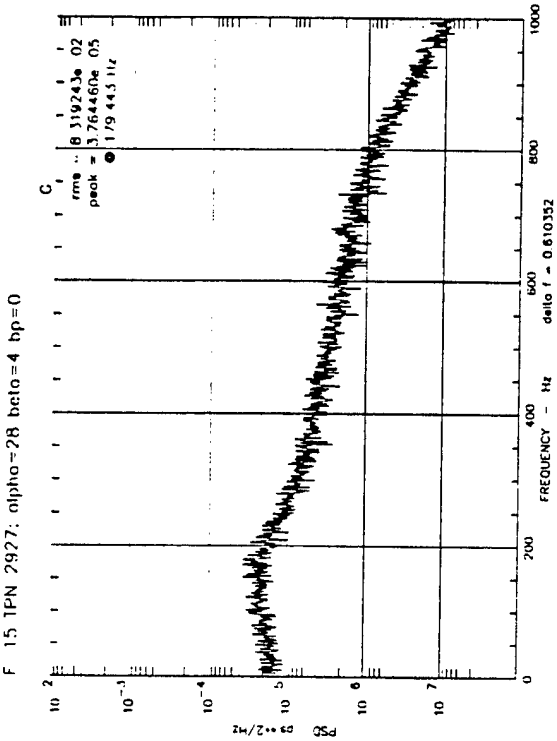

F 15 TPN 2927: alpha=28 beta=4 bp=0
C
rms = 0.100644
peak = 8.7467766e 05
@ 195.313 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

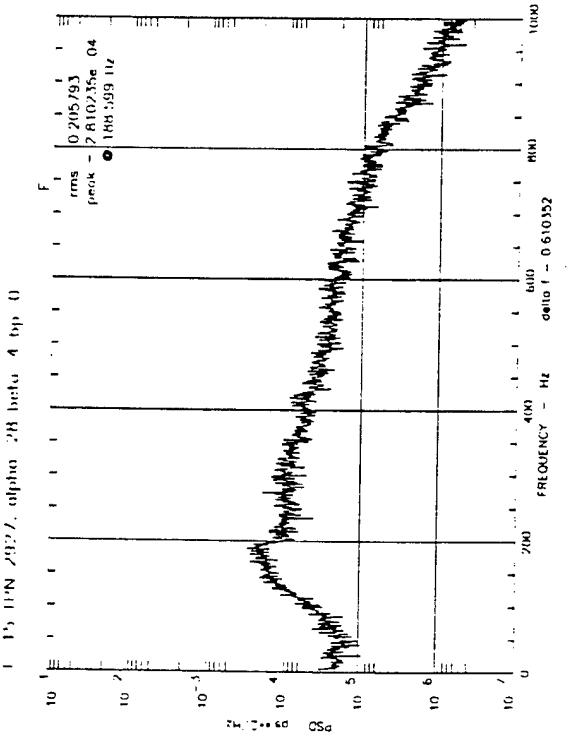

F 15 TPN 2927: alpha=28 beta=4 bp=0
H
rms = 9.8958758e 02
peak = 6.7132858e 05
@ 195.313 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2927: alpha=28 beta=4 bp=0
A
rms = 8.6162288e 02
peak = 2.9566625e 05
@ 308.228 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

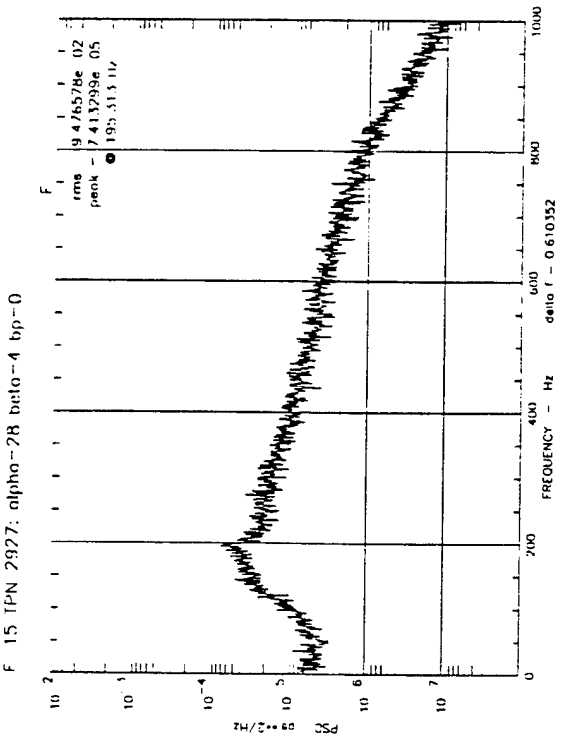


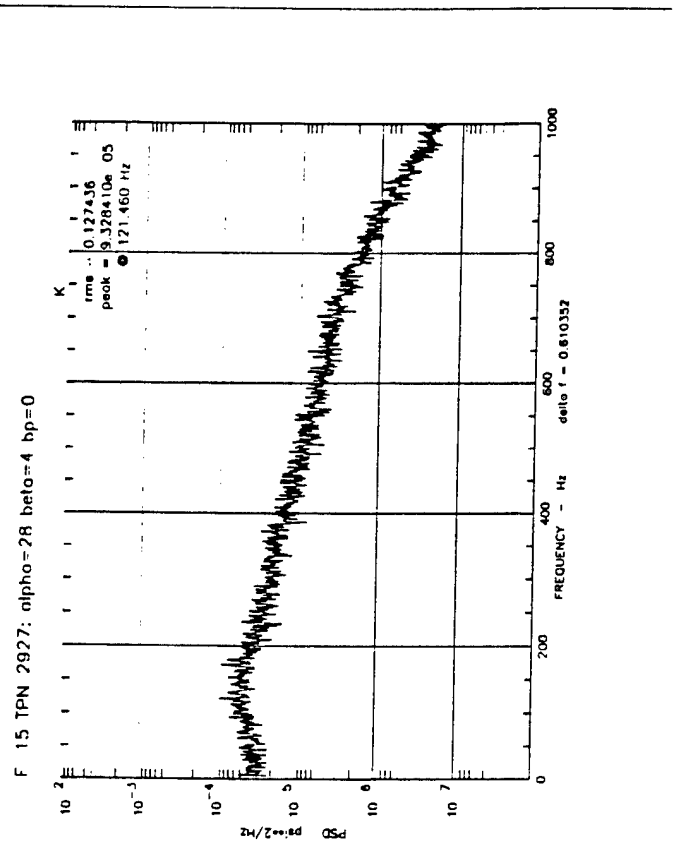
F 15 TPN 2927: alpha=28 beta=4 bp=0

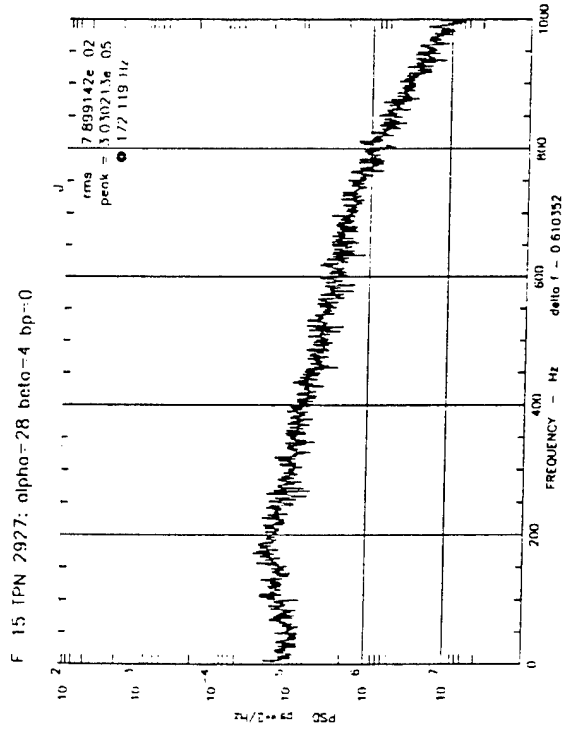


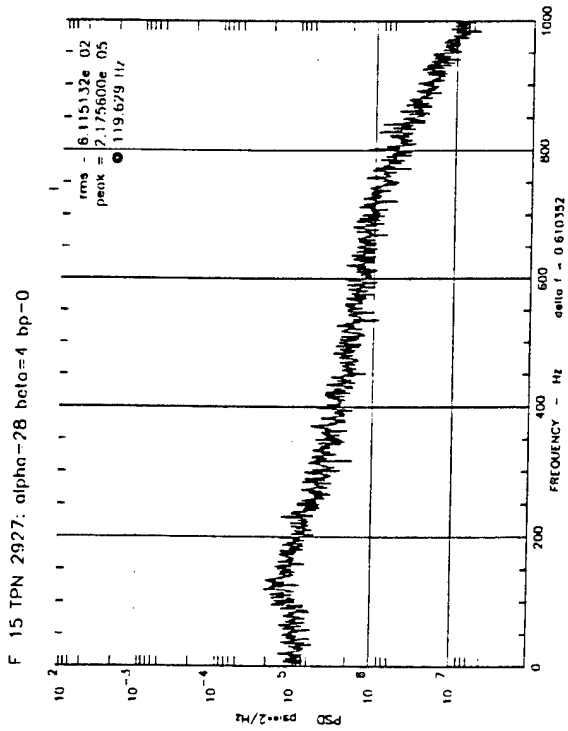


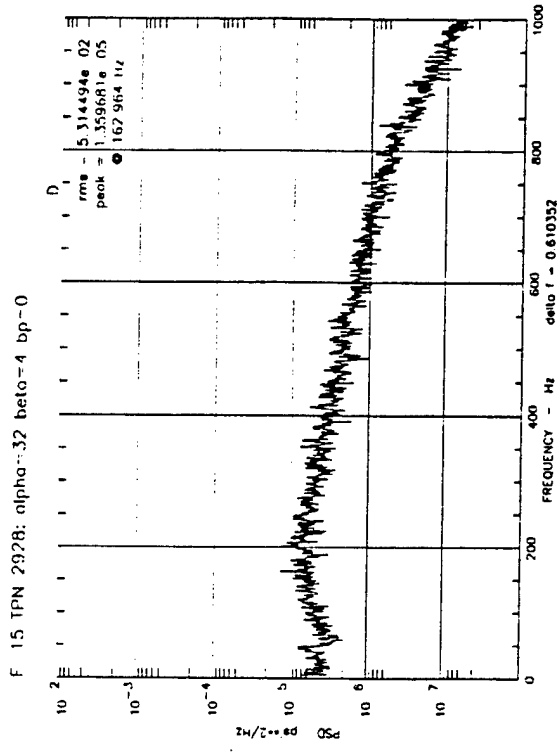
F 15 TPN 2927: alpha=28 beta=4 bp=0

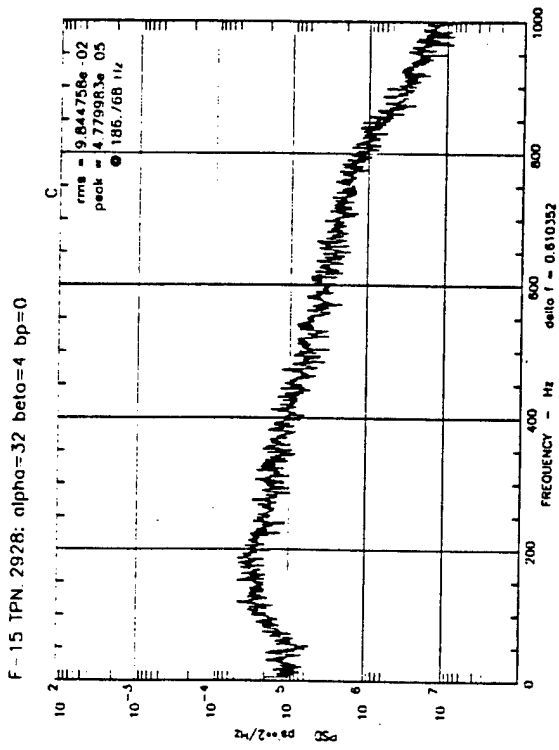


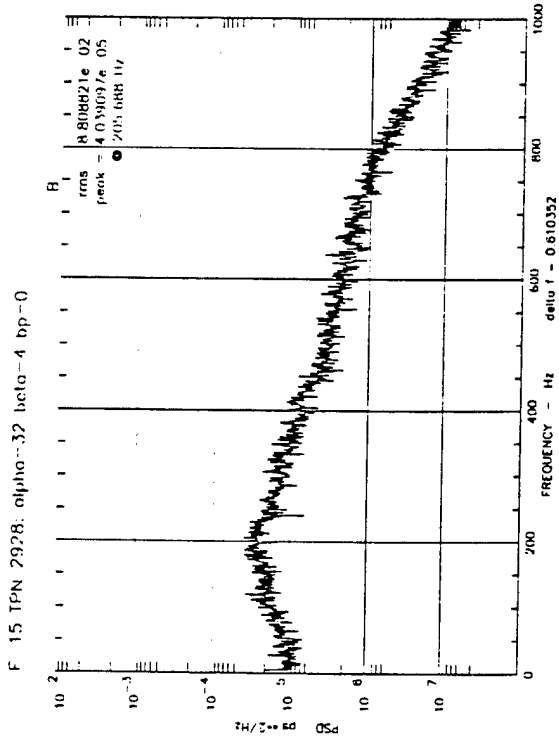

F 15 TPN 2927: alpha=28 beta=4 bp=0
K
rms = 0.127436
peak = 9.328410e 05
@ 121.460 Hz
PSD pa**2/Hz
FREQUENCY - Hz
delta f = 0.610352

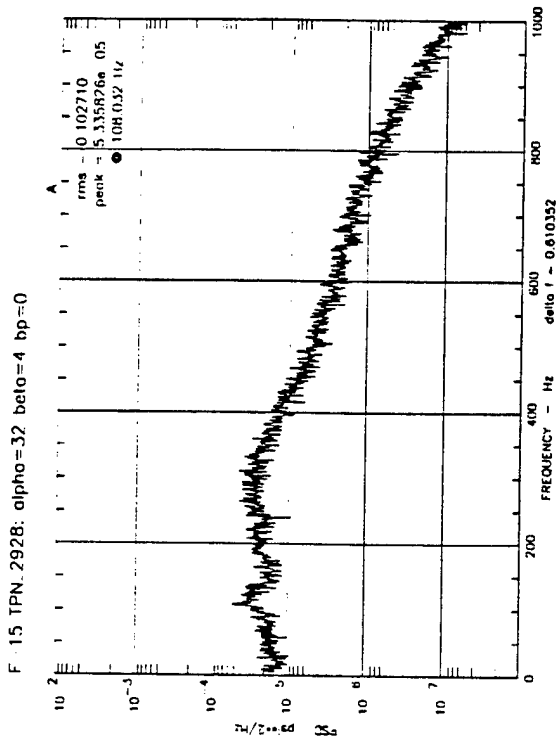

F 15 TPN 2927: alpha=28 beta=4 bp=0
J
rms = 7.899142e 02
peak = 3.030213e 05
@ 122.119 Hz
PSD pa**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2927: alpha=28 beta=4 bp=0
rms = 6.115132e 02
peak = 2.175600e 05
@ 119.629 Hz
PSD pa**2/Hz
FREQUENCY - Hz
delta f = 0.610352

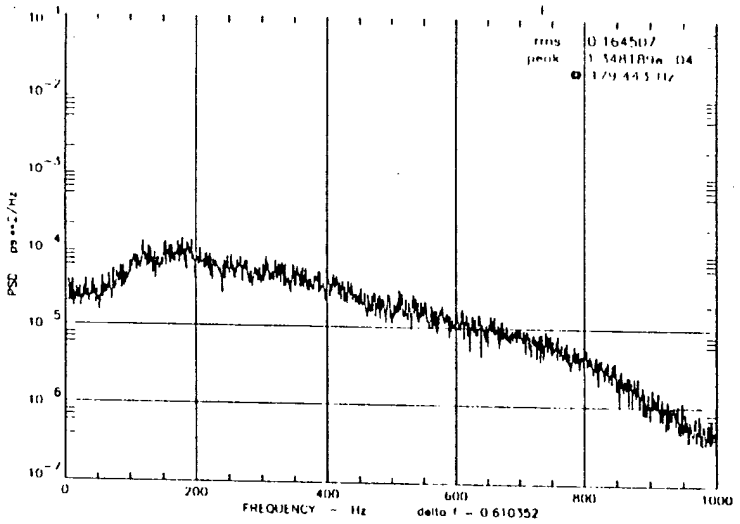

F 15 TPN 2928: alpha=32 beta=4 bp=0
D
rms = 5.314494e 02
peak = 1.359681e 05
@ 167.964 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2928: alpha=32 beta=4 bp=0
C
rms = 9.844758e -02
peak = 4.779983e 05
@ 186.768 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

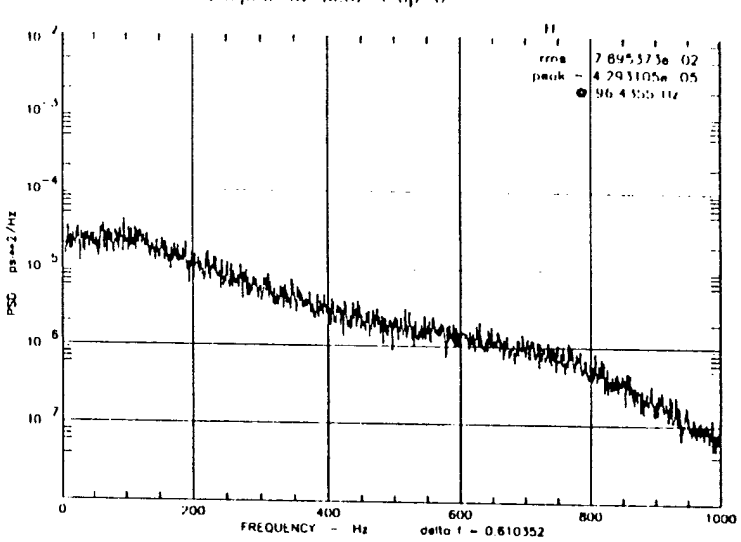

F 15 TPN 2928: alpha=32 beta=4 bp=0
B
rms = 8.808821e 02
peak = 4.039097e 05
@ 205.688 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2928: alpha=32 beta=4 bp=0
A
rms = 0.102710
peak = 5.335876e 05
@ 108.032 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

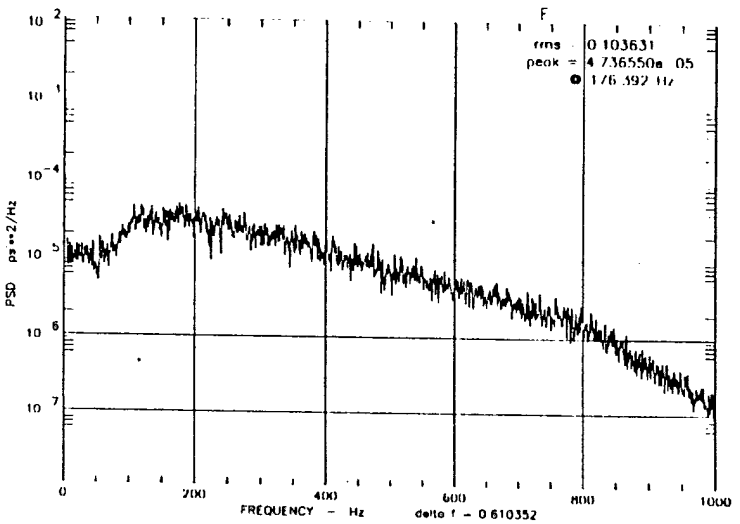
F 15 TPN 2928: alpha 32 beta 4 bp 0



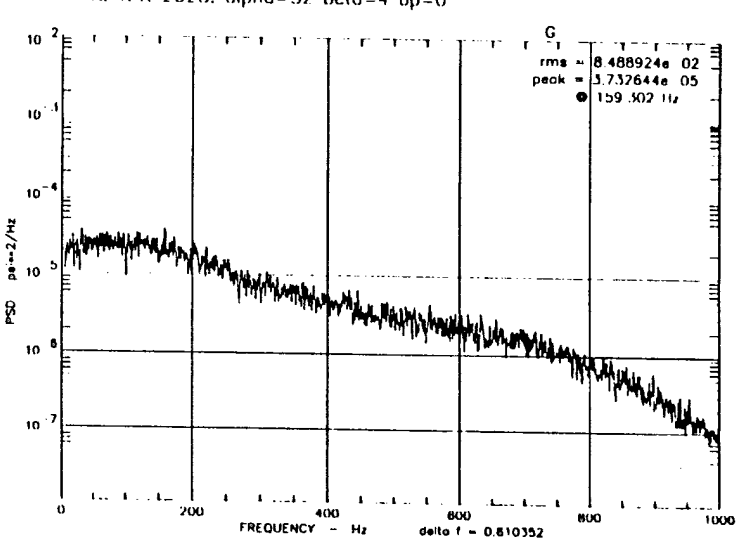
F 15 TPN 2928: alpha 32 beta 4 bp 0

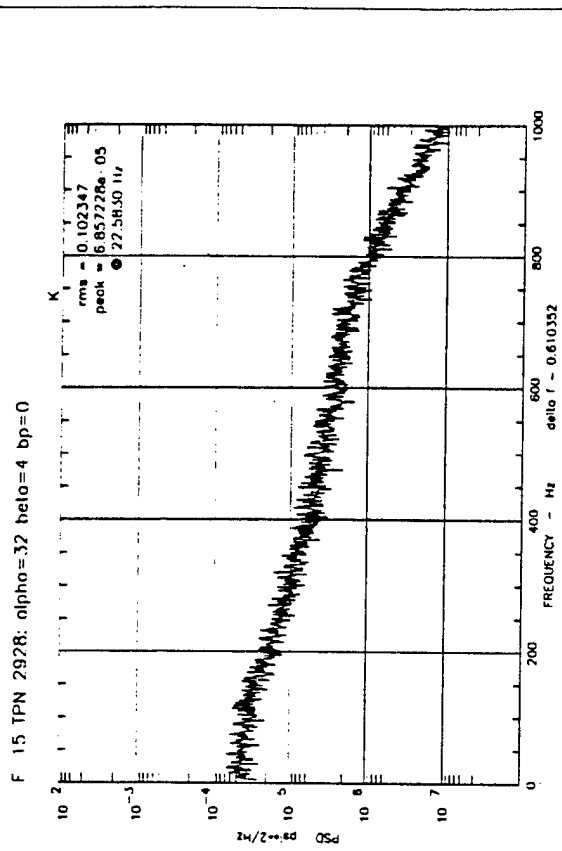


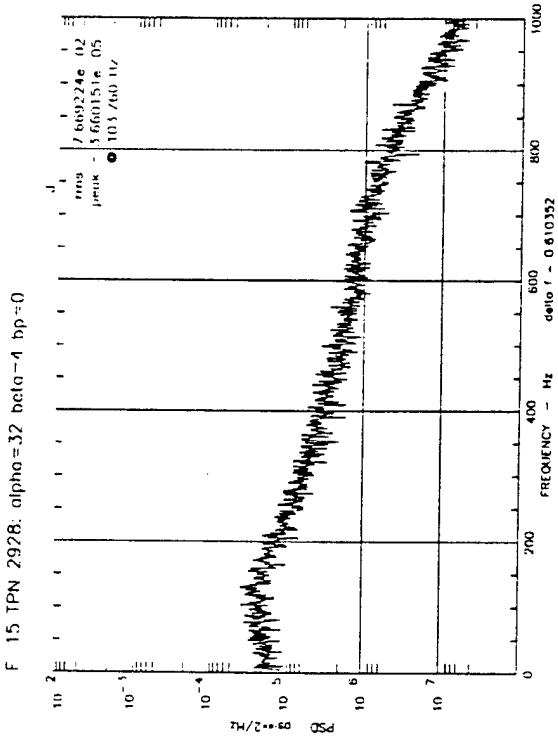
F 15 TPN 2928: alpha=32 beta=4 bp=0

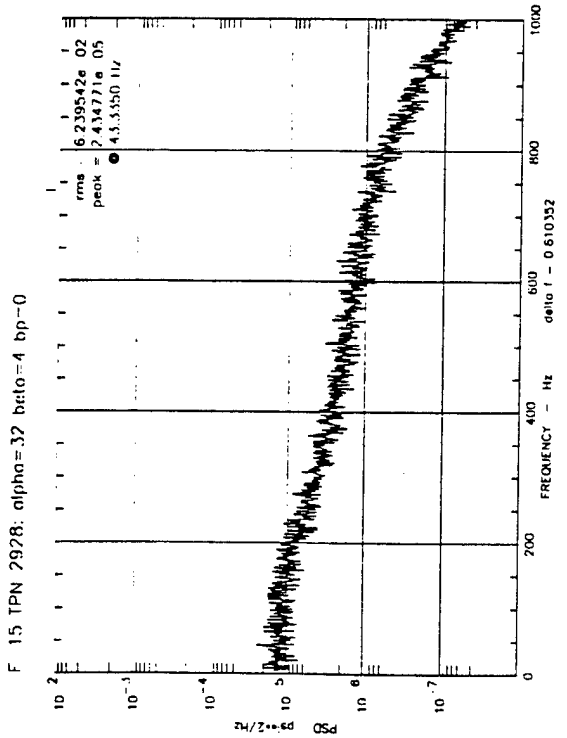


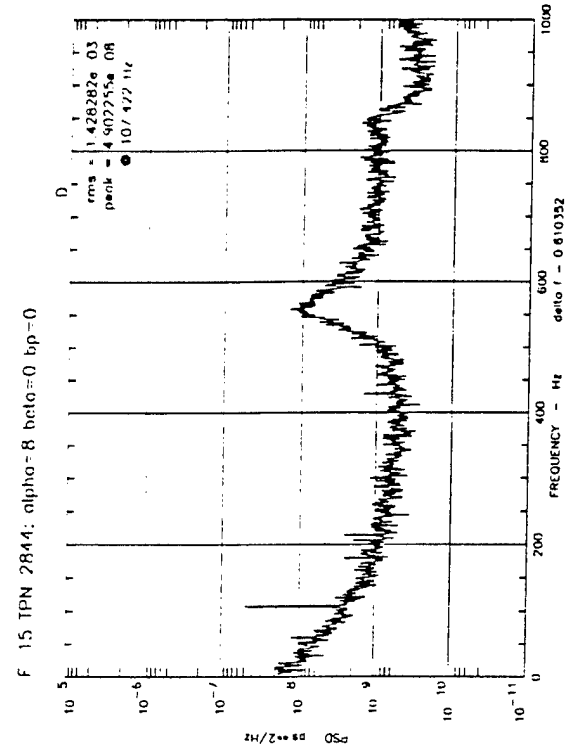
F 15 TPN 2928: alpha=32 beta=4 bp=0

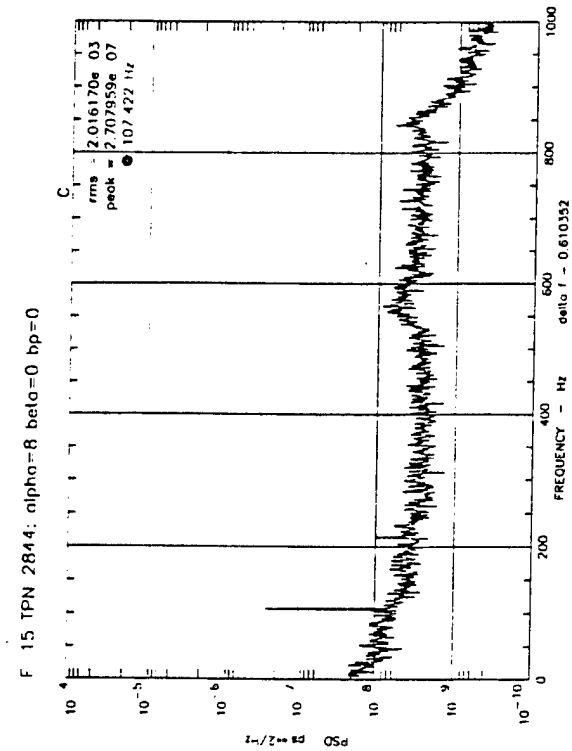


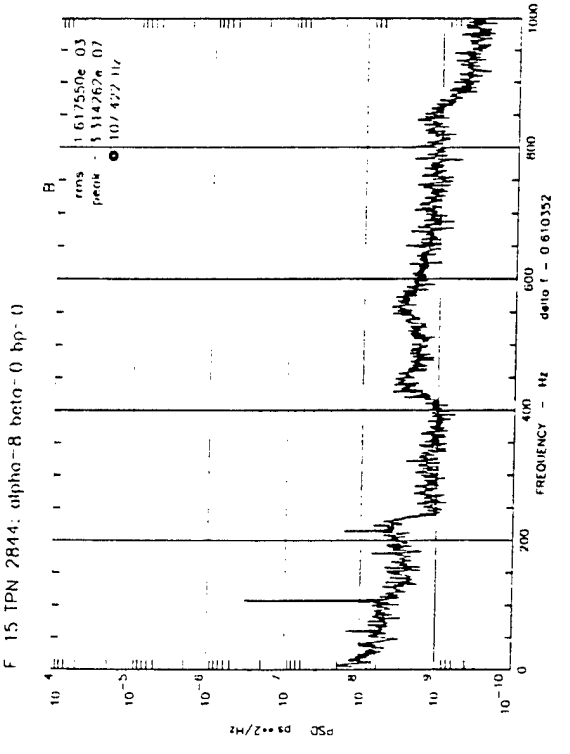

F 15 TPN 2928: alpha=32 beta=4 bp=0
rms = 0.102347
peak = 6.857228e 05
@ 27.58350 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

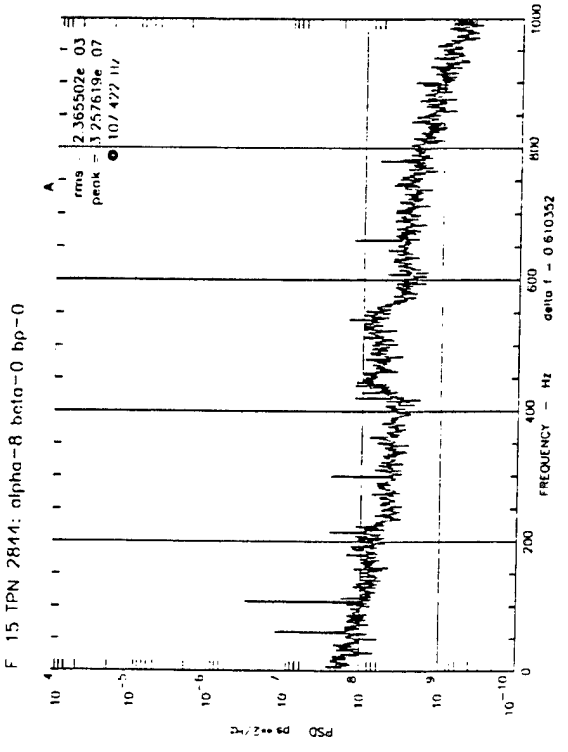

F 15 TPN 2928: alpha=32 beta=4 bp=0
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

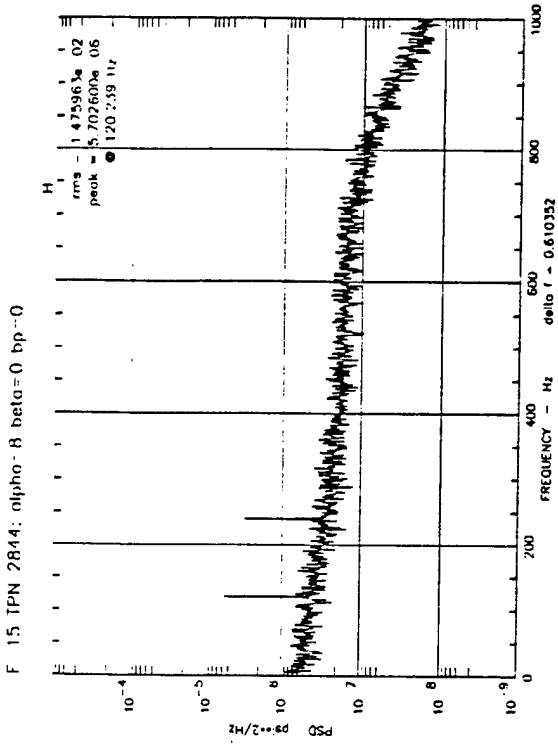

F 15 TPN 2928: alpha=32 beta=4 bp=0
rms = 6.239542e 02
peak = 2.434771e 05
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

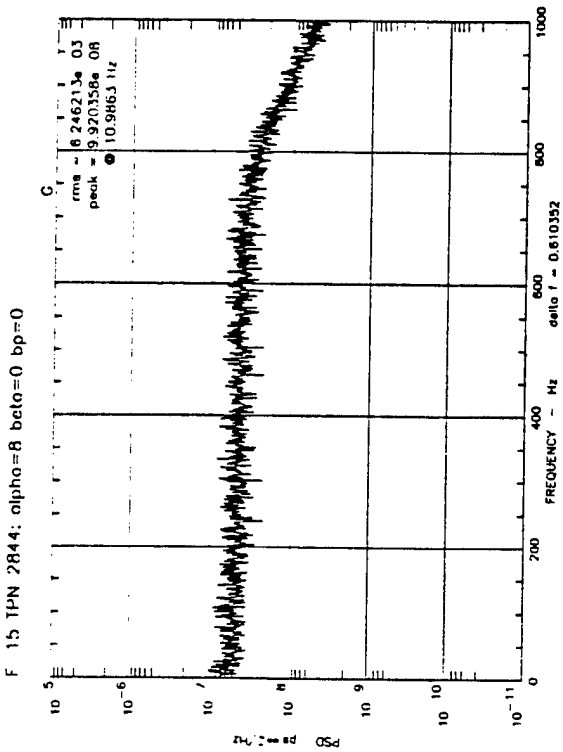

F 15 TPN 2844: alpha=8 beta=0 bp=0
D
rms = 1.428282e 03
peak = 4.902255e 08
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

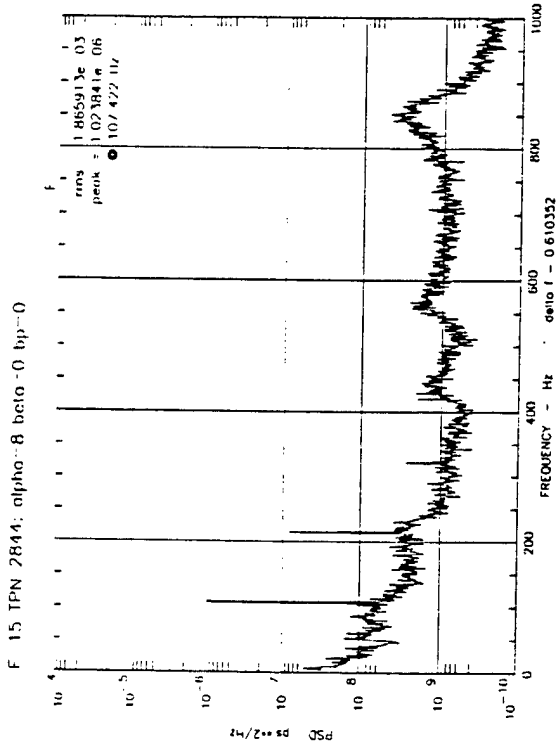

F 15 TPN 2844: alpha=8 beta=0 bp=0
C
rms = 2.016170e 03
peak = 2.707959e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

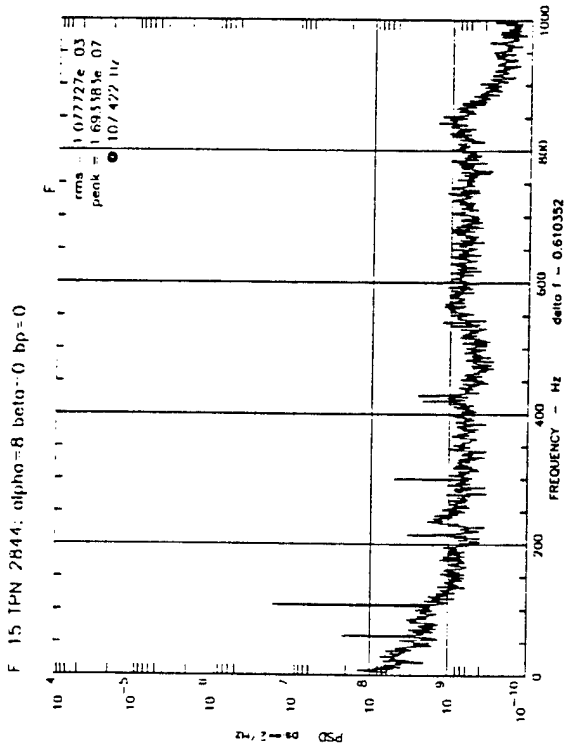

F 15 TPN 2844: alpha=8 beta=0 bp=0
B
rms = 1.617550e 03
peak = 1.114262e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

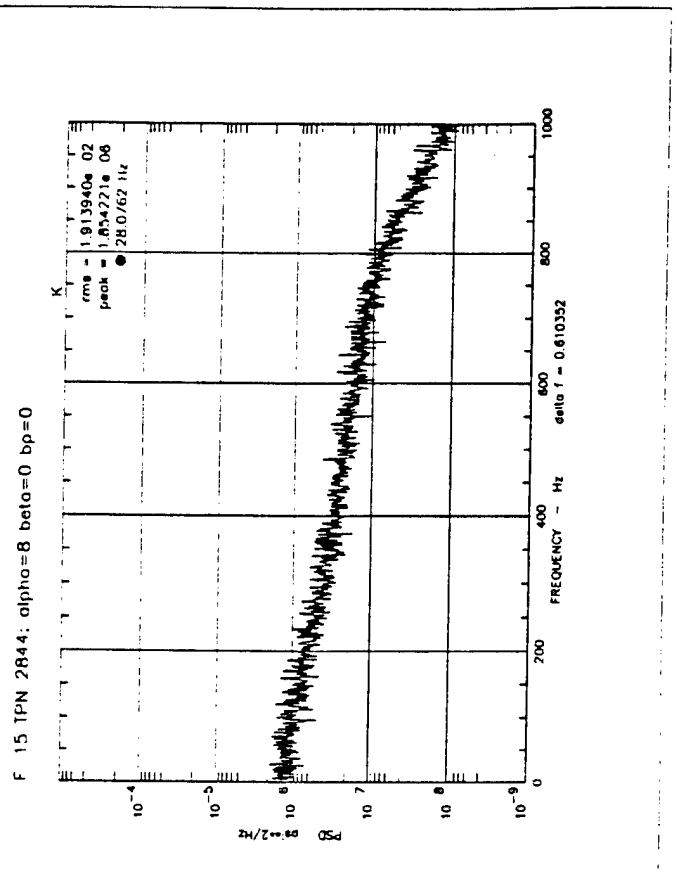

F 15 TPN 2844: alpha=8 beta=0 bp=0
A
rms = 2.365502e 03
peak = 3.257619e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

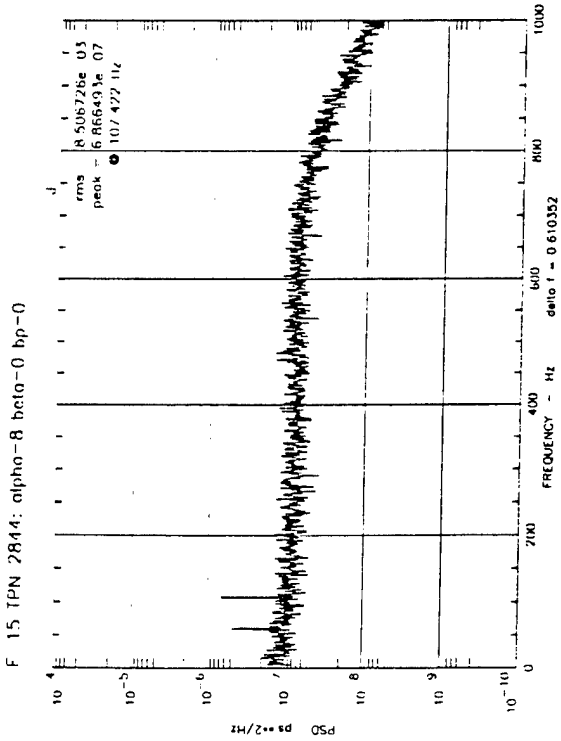

F 15 TPN 2844: alpha=8 beta=0 bp=0
H
rms = 1.475963e 02
peak = 5.702600e 06
@ 120.259 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

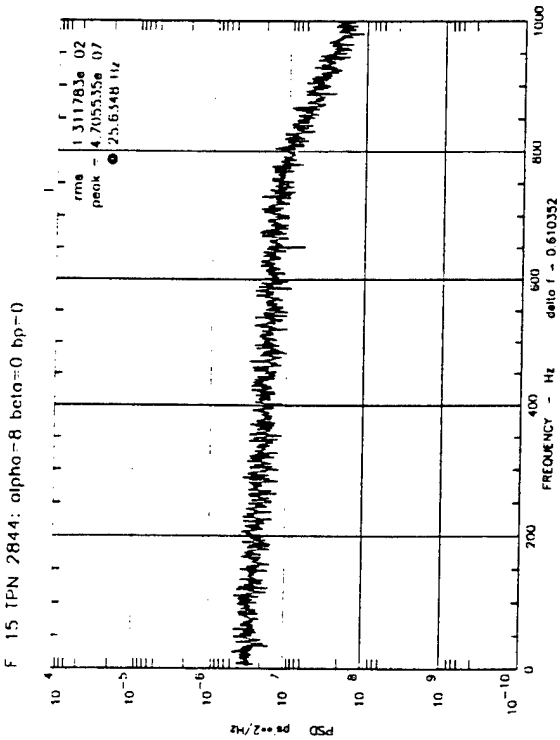

F 15 TPN 2844: alpha=8 beta=0 bp=0
G
rms = 8.246213e 03
peak = 9.920358e 08
@ 10.9863 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

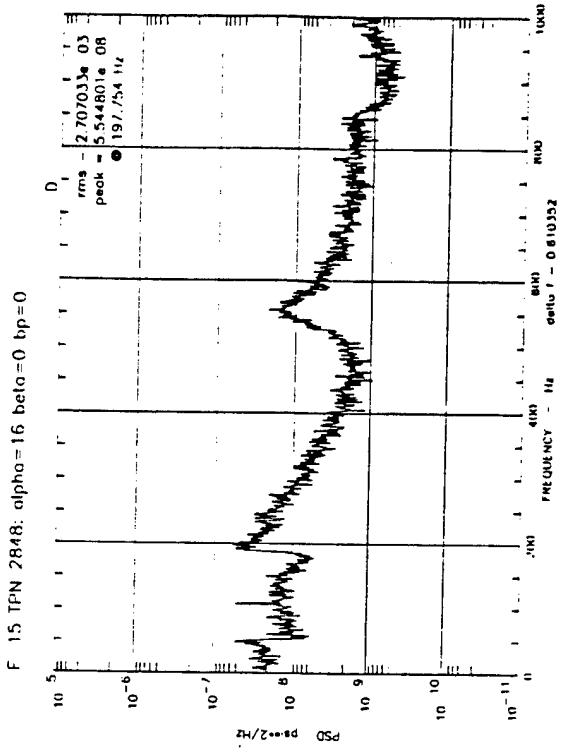

F 15 TPN 2844: alpha=8 beta=0 bp=0
F
rms = 1.865913e 03
peak = 1.023841e 06
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

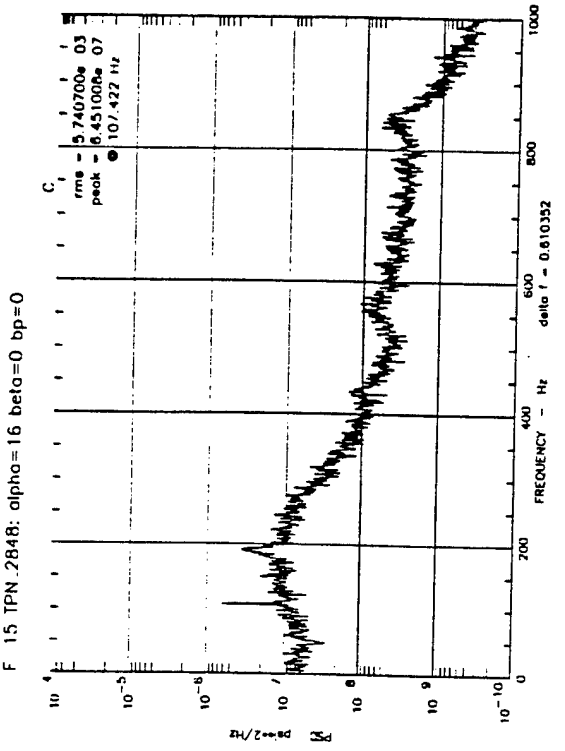

F 15 TPN 2844: alpha=8 beta=0 bp=0
F
rms = 1.077727e 03
peak = 1.693183e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

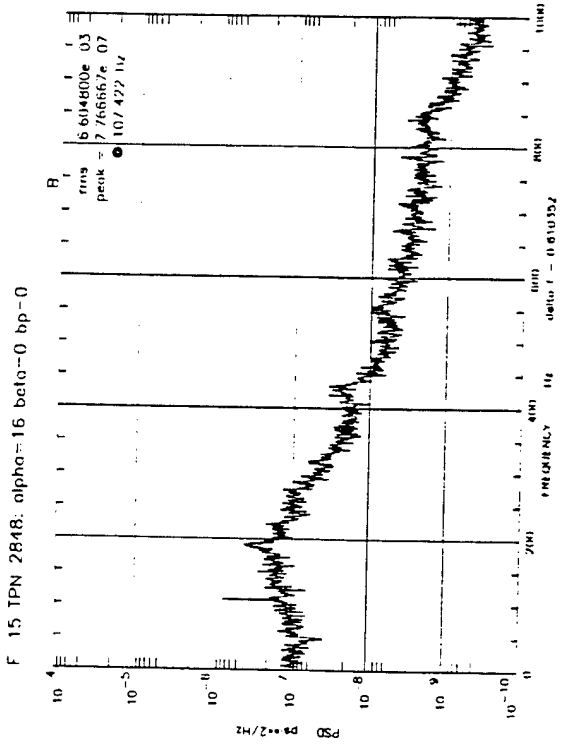

F 15 TPN 2844: alpha=8 beta=0 bp=0
rms = 1.913940e 02
peak = 1.854221e 08
@ 28.0762 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

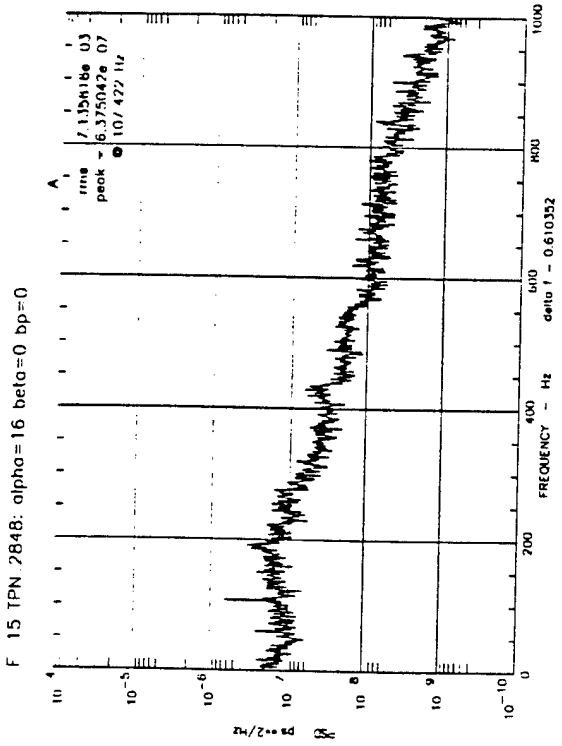

F 15 TPN 2844: alpha=8 beta=0 bp=0
rms = 8.506726e 03
peak = 6.866493e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

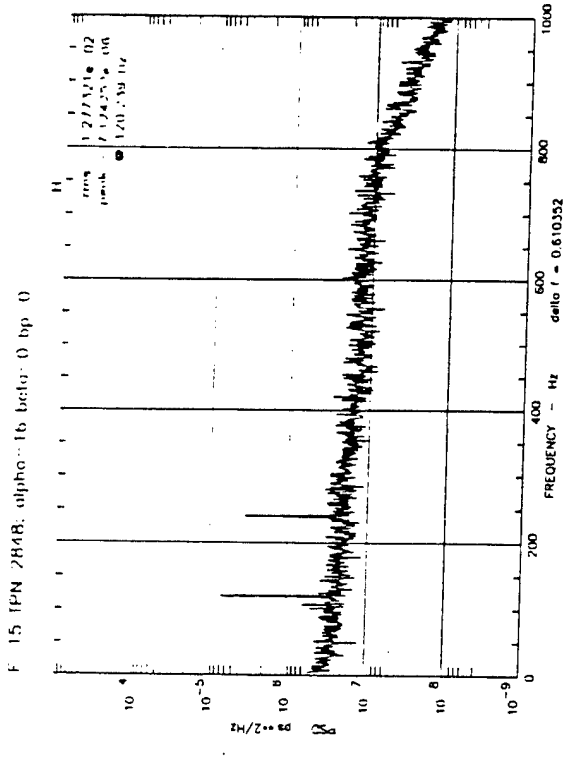

F 15 TPN 2844: alpha=8 beta=0 bp=0
rms = 1.311783e 02
peak = 4.705535e 07
@ 25.6348 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

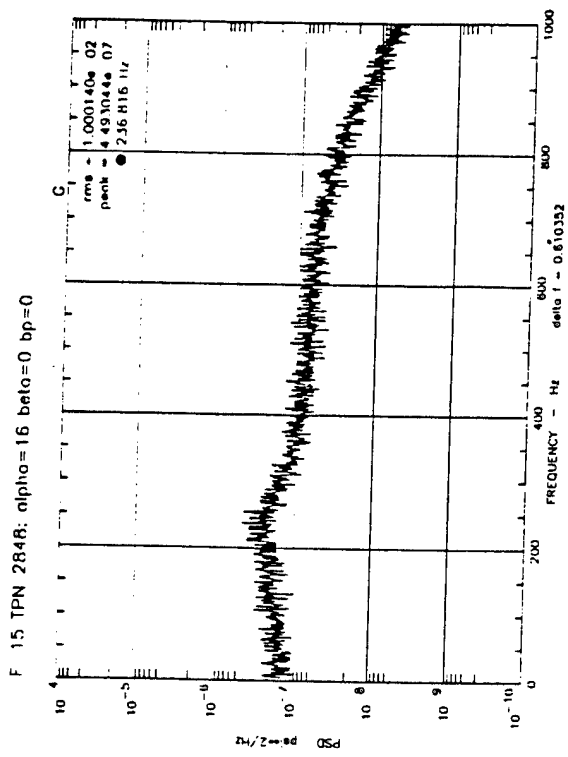

F 15 TPN 2848: alpha=16 beta=0 bp=0
D
rms = 2.707033e 03
peak = 5.544801e 08
@ 197.754 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

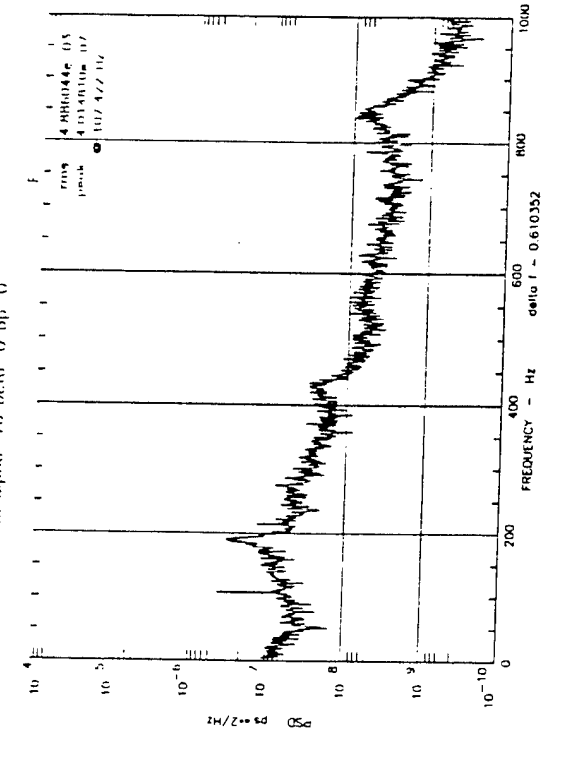

F 15 TPN 2848: alpha=16 beta=0 bp=0
C
rms = 5.740700e 03
peak = 6.451008e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

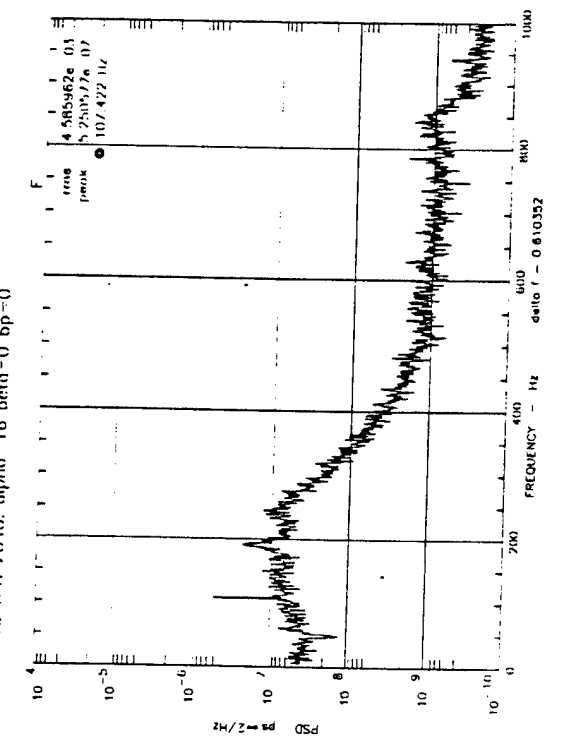

F 15 TPN 2848: alpha=16 beta=0 bp=0
B
rms = 6.614800e 03
peak = 7.766667e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2848: alpha=16 beta=0 bp=0
A
rms = 7.135418e 03
peak = 6.375042e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

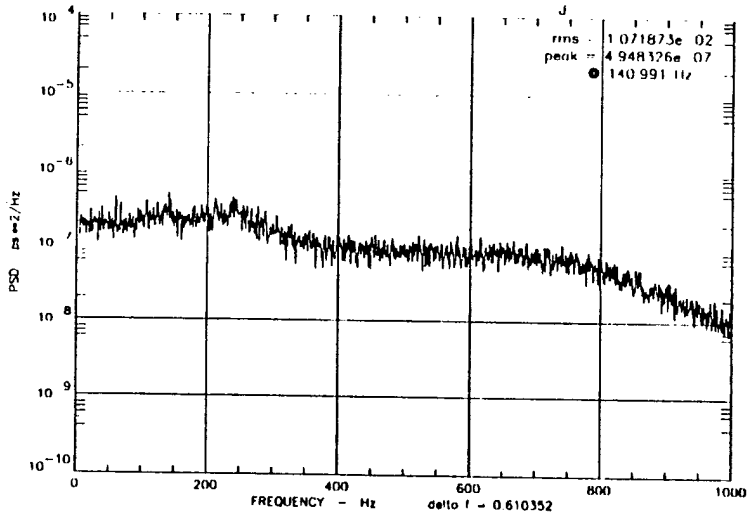

F 15 TPN 2848: alpha=16 beta=0 bp=0
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2848: alpha=16 beta=0 bp=0
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

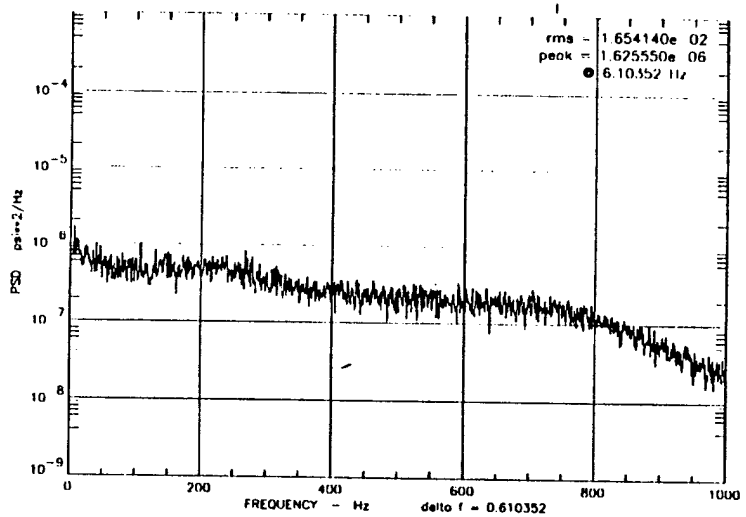

F 15 TPN 2848: alpha=16 beta=0 bp=0
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2848: alpha=16 beta=0 bp=0
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

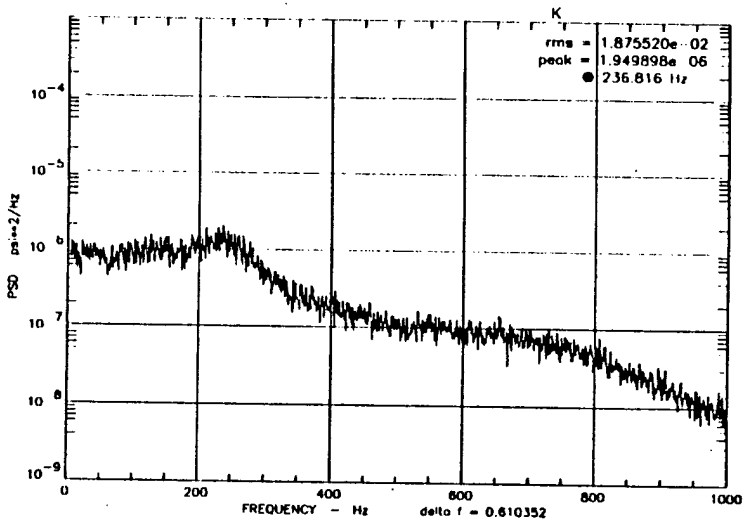
F 15 TPN 2848: alpha=16 beta=0 bp=0

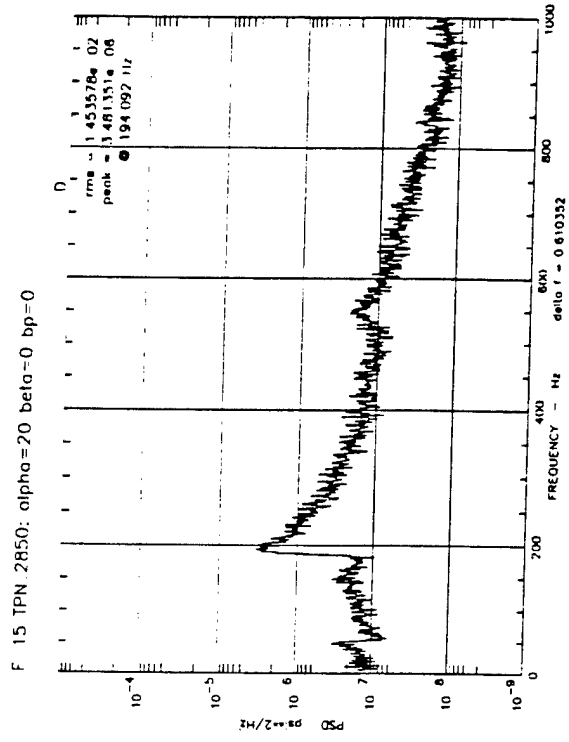


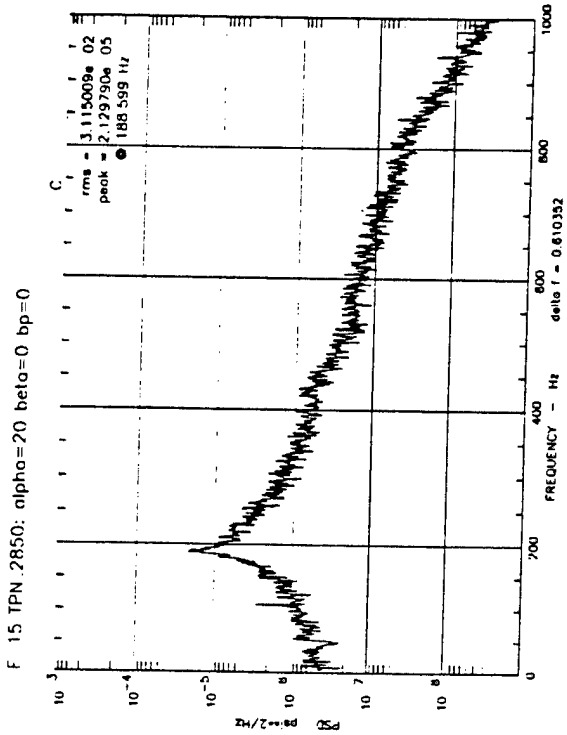
F 15 TPN 2848: alpha=16 beta=0 bp=0

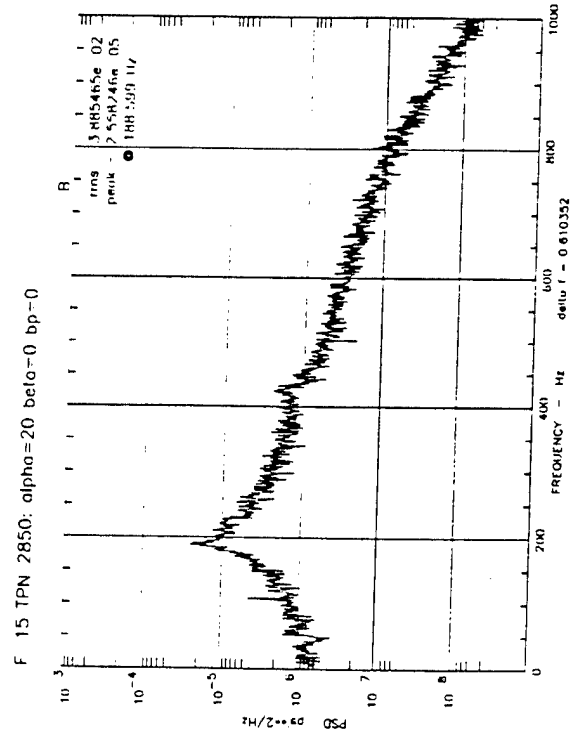


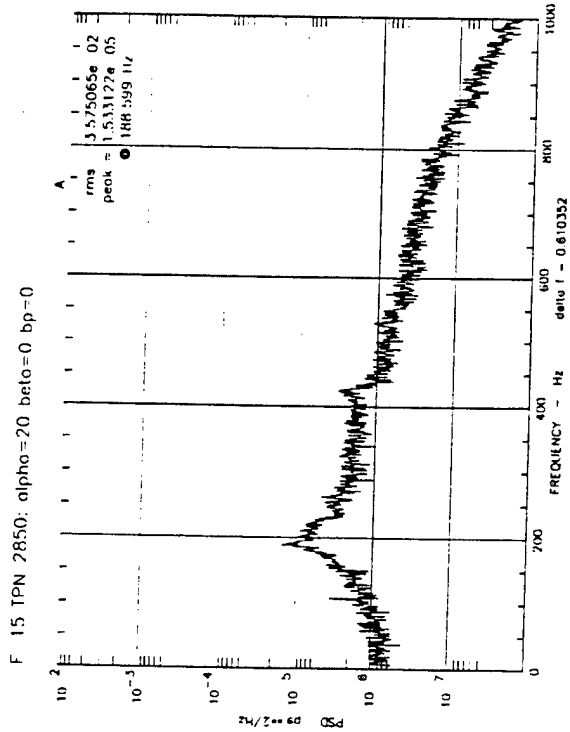
F 15 TPN 2848: alpha=16 beta=0 bp=0

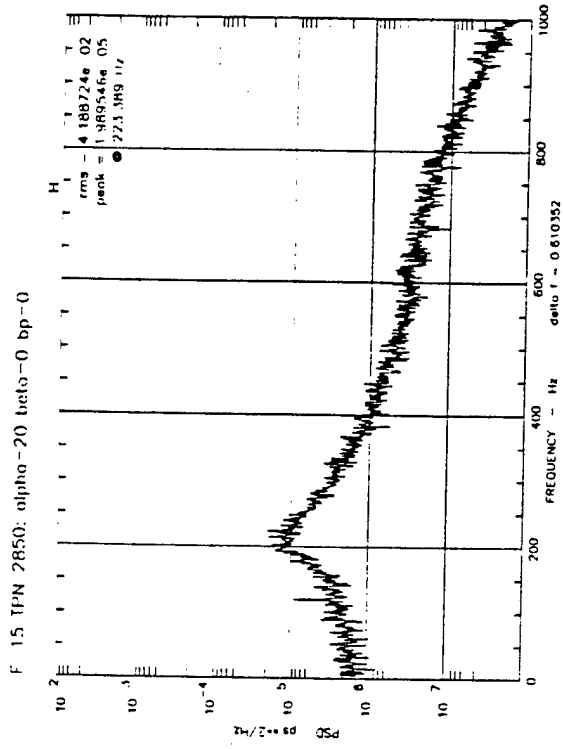


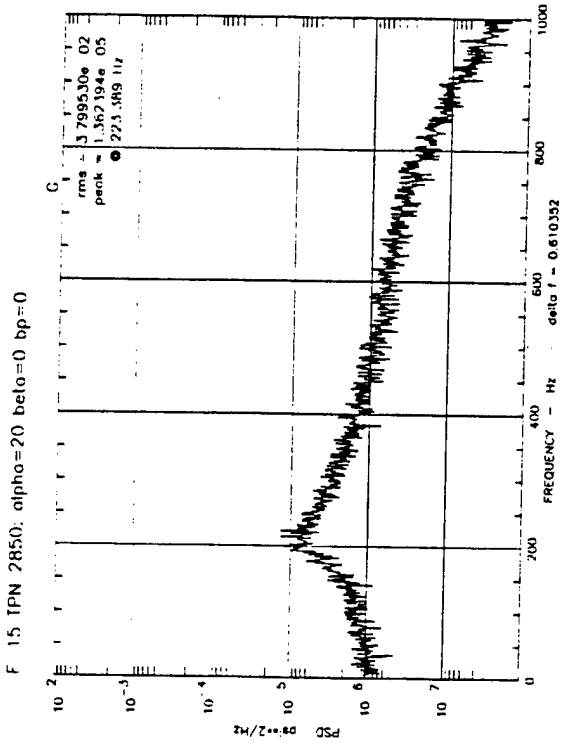

F 15 TPN 2850: alpha=20 beta=0 bp=0
D
rms = 1.435578e 02
peak = 3.481351e 08
@ 194.092 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

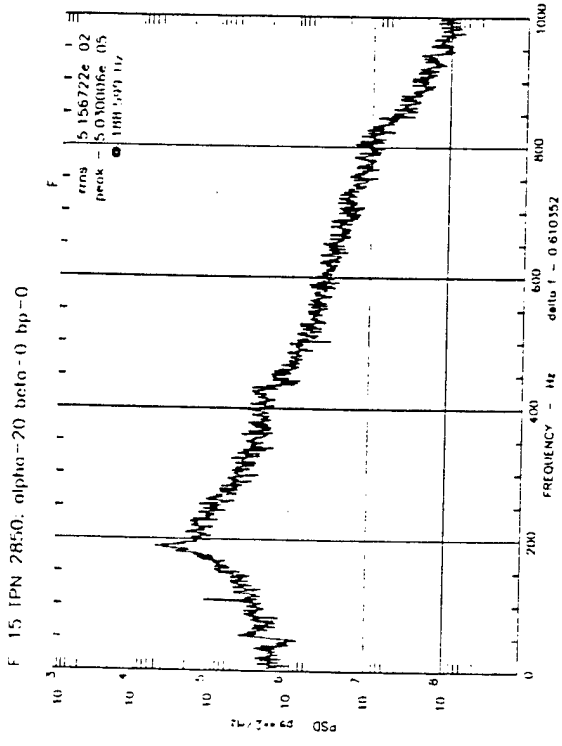

F 15 TPN 2850: alpha=20 beta=0 bp=0
C
rms = 3.115009e 02
peak = 2.129790e 05
@ 188.599 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

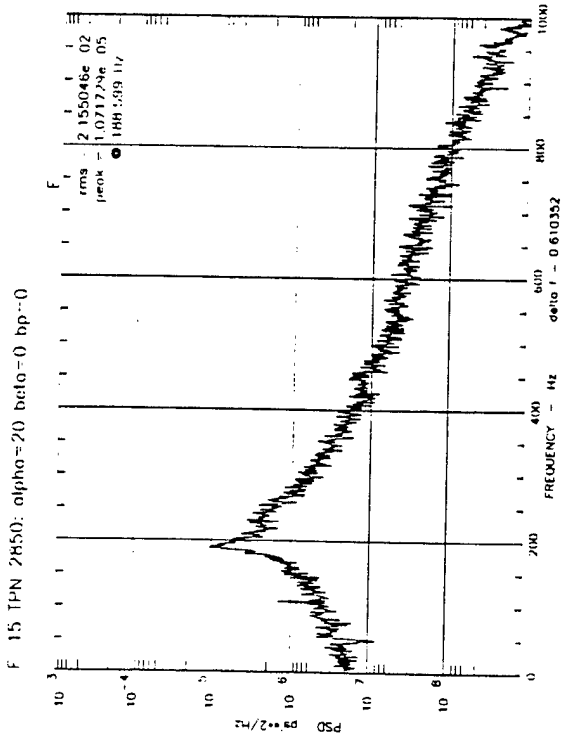

F 15 TPN 2850: alpha=20 beta=0 bp=0
B
rms = 3.485465e 02
peak = 2.558246e 05
@ 188.599 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

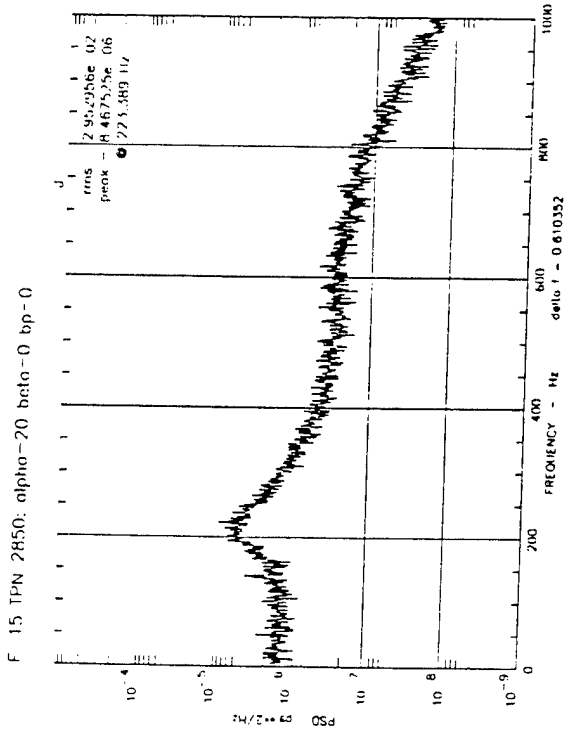

F 15 TPN 2850: alpha=20 beta=0 bp=0
A
rms = 3.575065e 02
peak = 1.533127e 05
@ 188.599 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

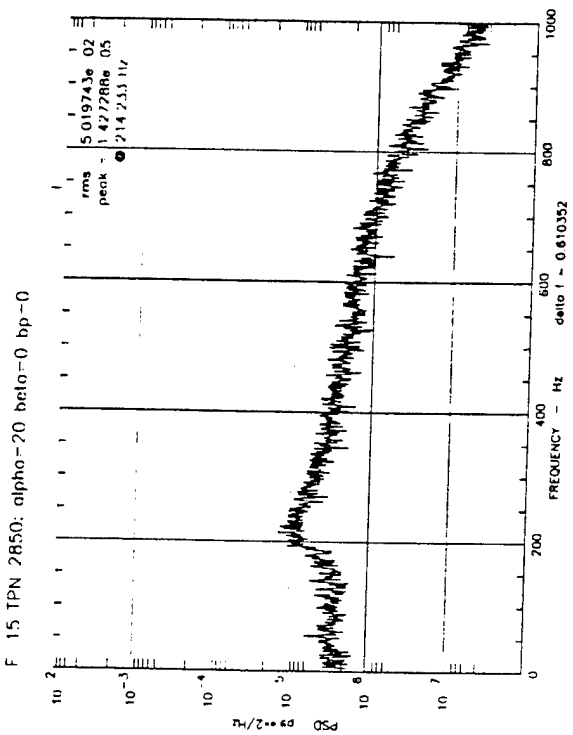

F 15 TPN 2850: alpha=20 beta=0 bp=0
H
rms = 4.188724e 02
peak = 1.989546e 05
@ 223.389 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

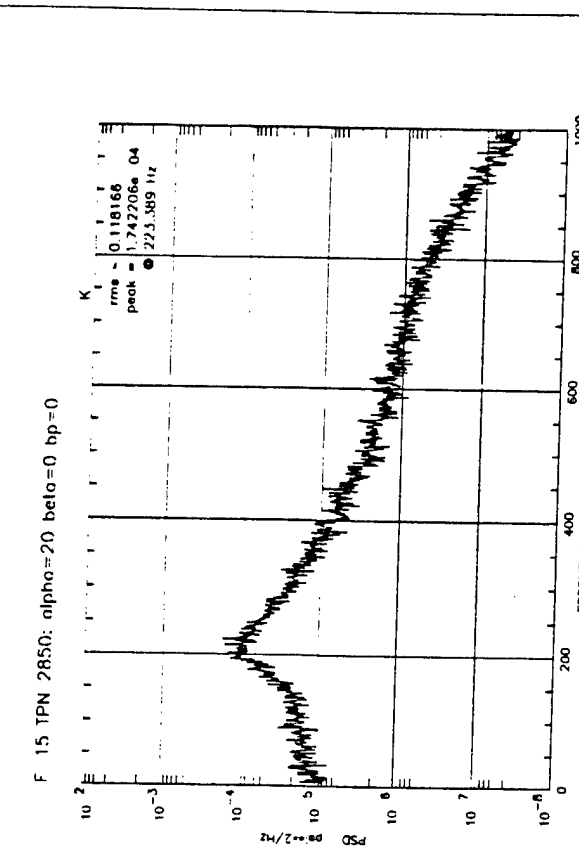

F 15 TPN 2850: alpha=20 beta=0 bp=0
C
rms = 3.799530e 02
peak = 1.362194e 05
@ 223.389 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

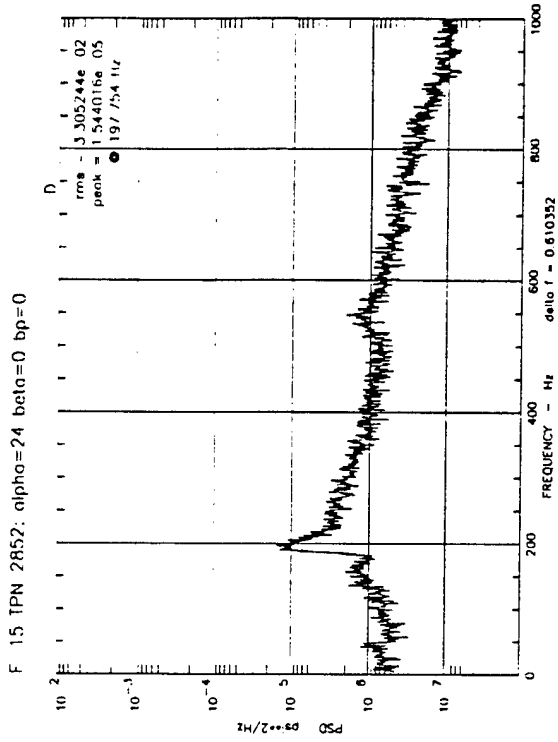

F 15 TPN 2850: alpha=20 beta=0 bp=0
F
rms = 5.156722e 02
peak = 5.030816e 05
@ 188.599 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

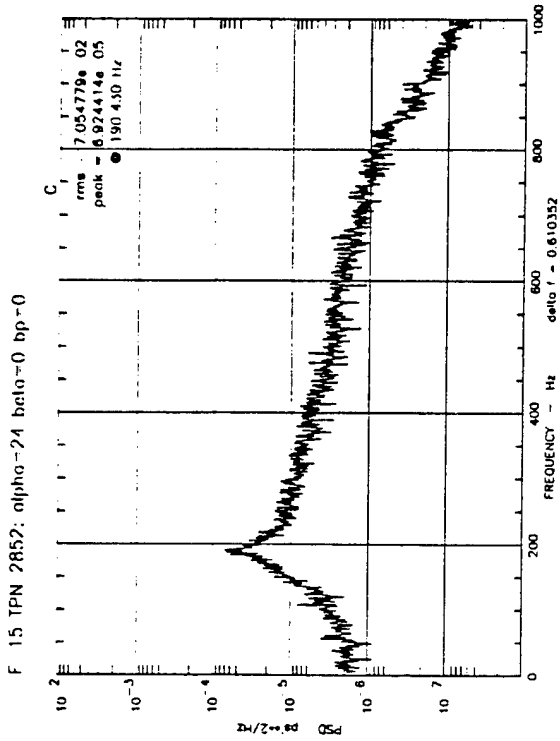

F 15 TPN 2850: alpha=20 beta=0 bp=0
F
rms = 2.155046e 02
peak = 1.071729e 05
@ 188.599 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

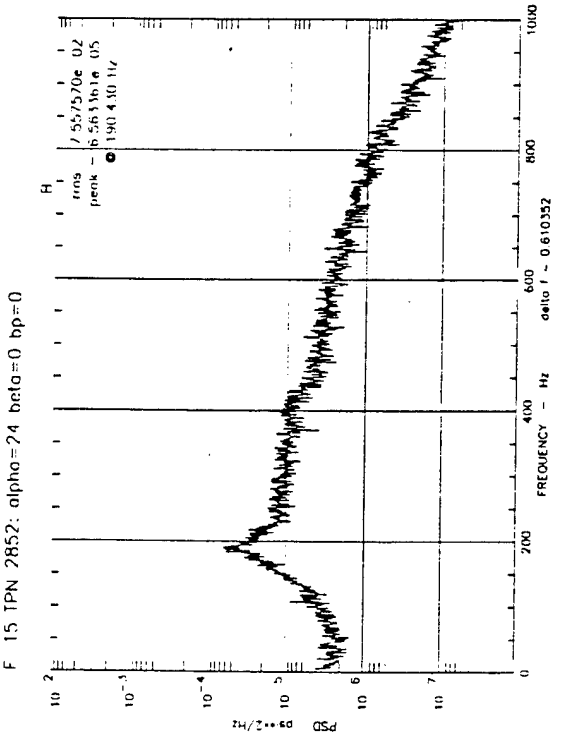

F 15 TPN 2850: alpha=20 beta=0 bp=0
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

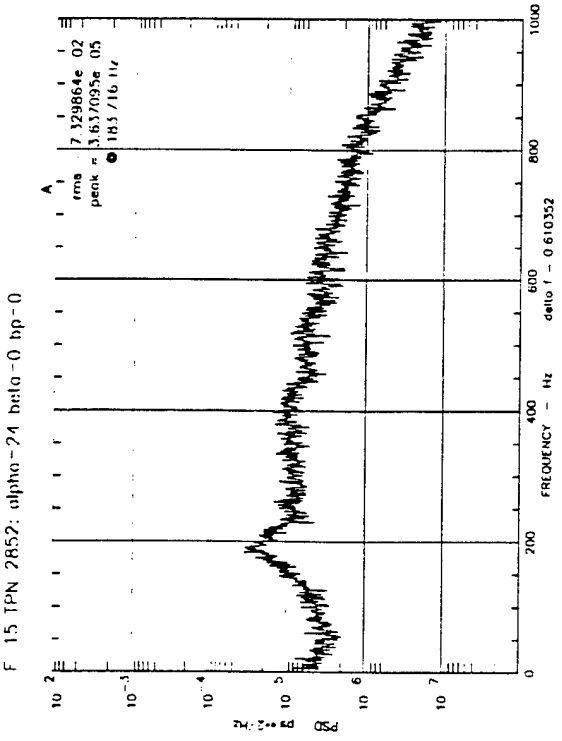

F 15 TPN 2850: alpha=20 beta=0 bp=0
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

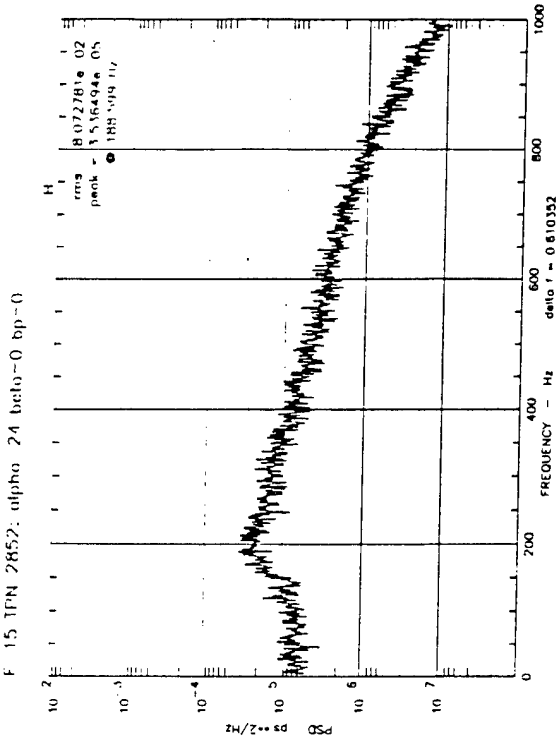

F 15 TPN 2850: alpha=20 beta=0 bp=0
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

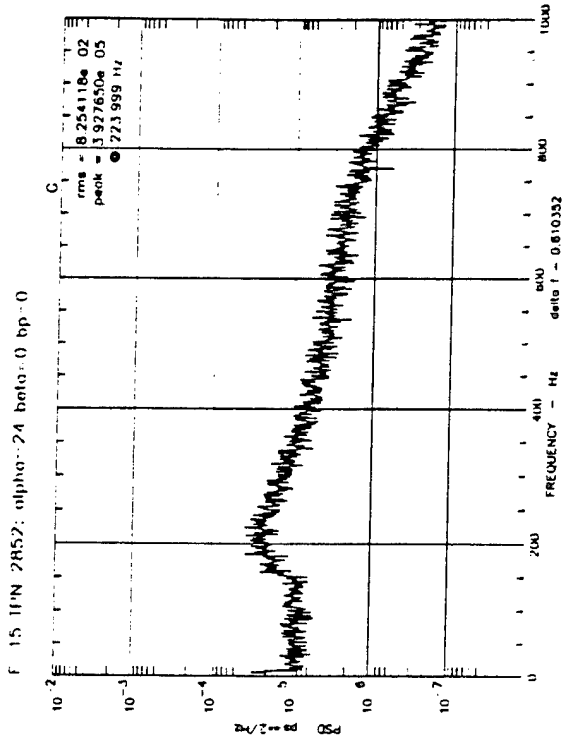

F 15 TPN 2852: alpha=24 beta=0 bp=0
D
rms = 3.305244e 02
peak = 1.544016e 05
@ 197.754 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

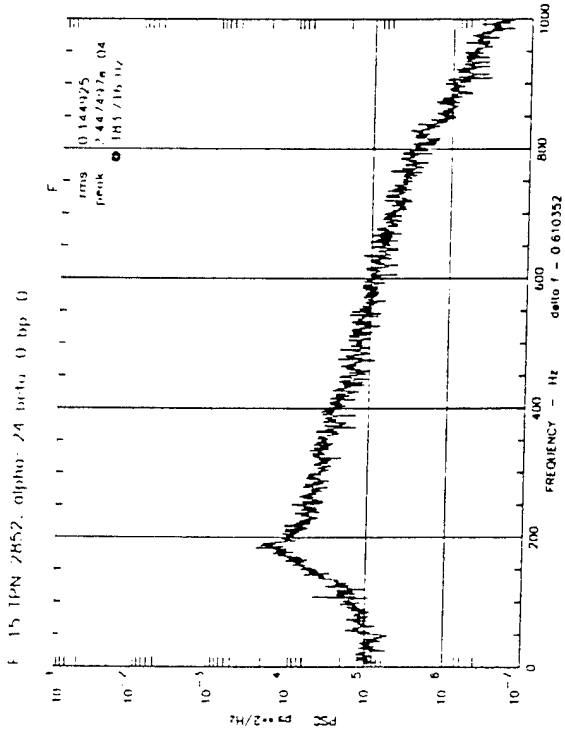

F 15 TPN 2852: alpha=24 beta=0 bp=0
C
rms = 7.054779e 02
peak = 6.924414e 05
@ 190.430 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

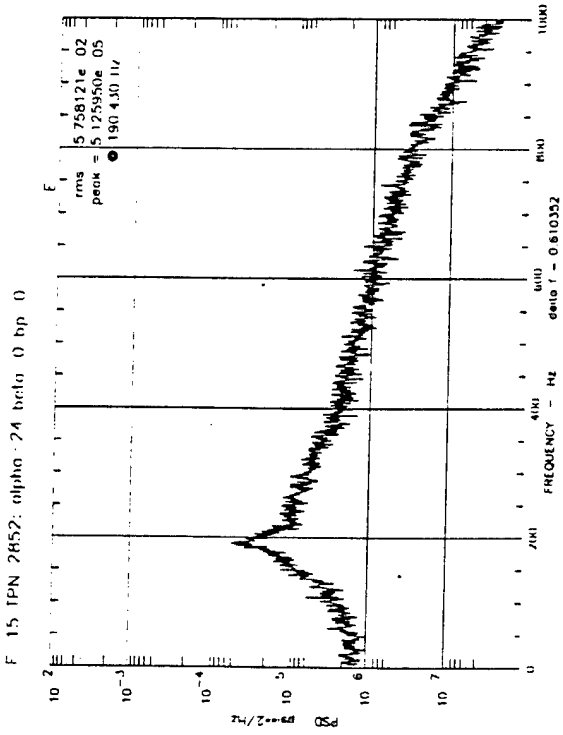

F 15 TPN 2852: alpha=24 beta=0 bp=0
H
rms = 7.557570e 02
peak = 6.563616e 05
@ 190.430 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

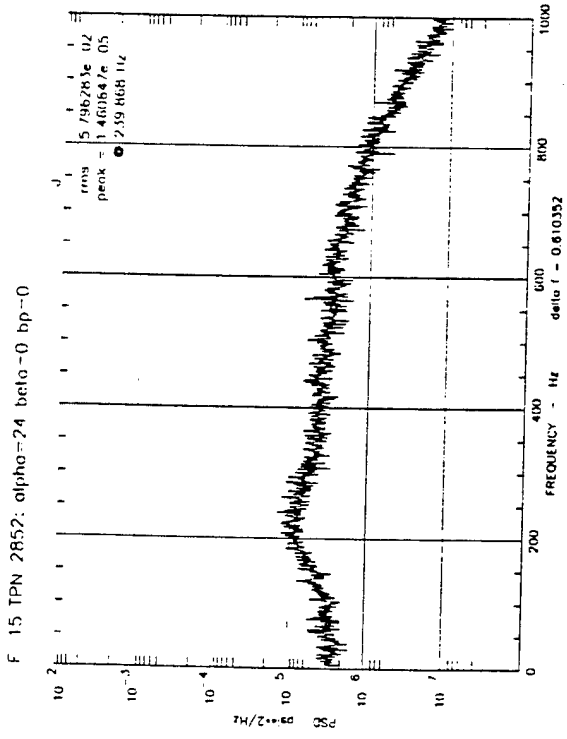

F 15 TPN 2852: alpha=24 beta=0 bp=0
A
rms = 7.329864e 02
peak = 3.637095e 05
@ 185.716 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

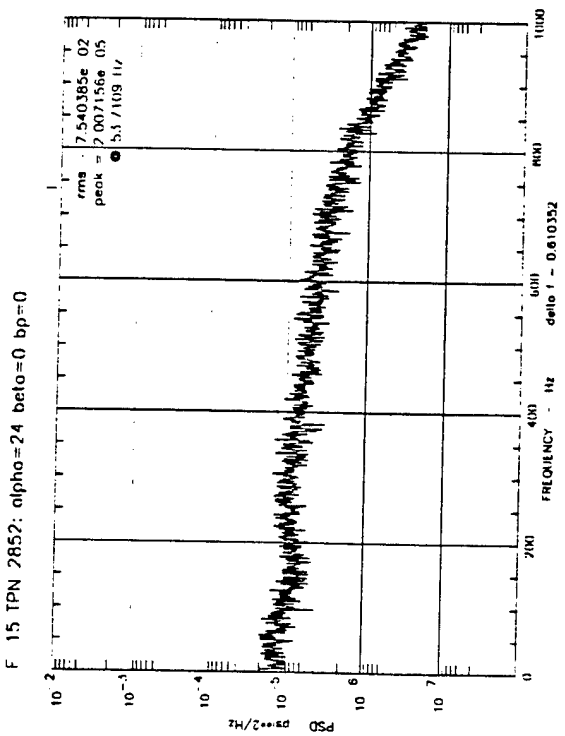

F 15 TPN 2852: alpha 24 beta=0 bp=0
H
rms = 8.072781e 02
peak = 1.516494e 05
@ 188.999 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

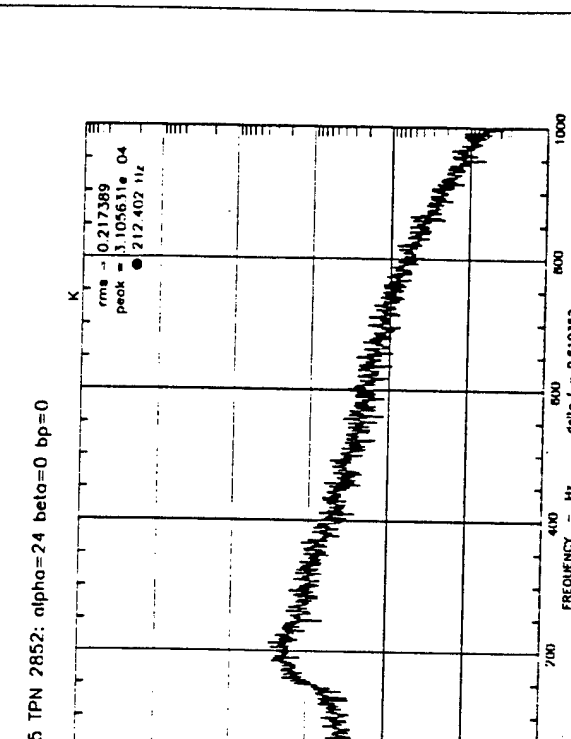

F 15 TPN 2852: alpha 24 beta=0 bp=0
G
rms = 8.254118e 02
peak = 1.927650e 05
@ 223.999 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2852: alpha 24 beta 0 bp 0
F
rms = 8.144925
peak = 1.447437e 04
@ 185.715 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

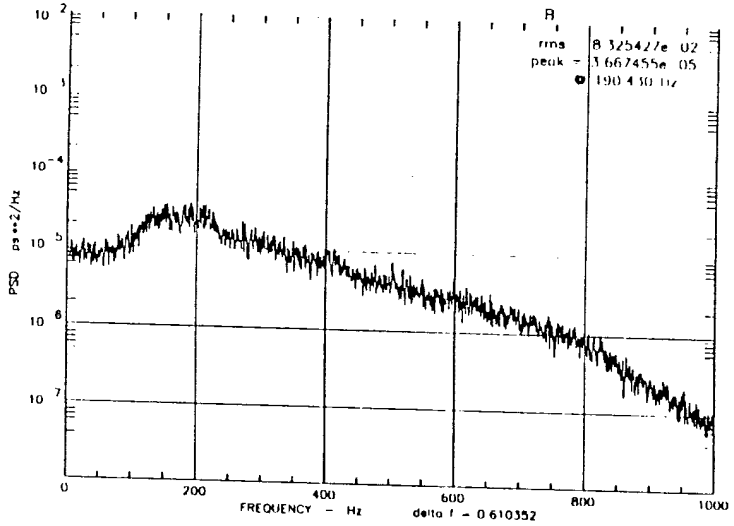

F 15 TPN 2852: alpha 24 beta 0 bp 0
E
rms = 5.758121e 02
peak = 5.125950e 05
@ 190.430 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2852: alpha=24 beta=0 bp=0
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

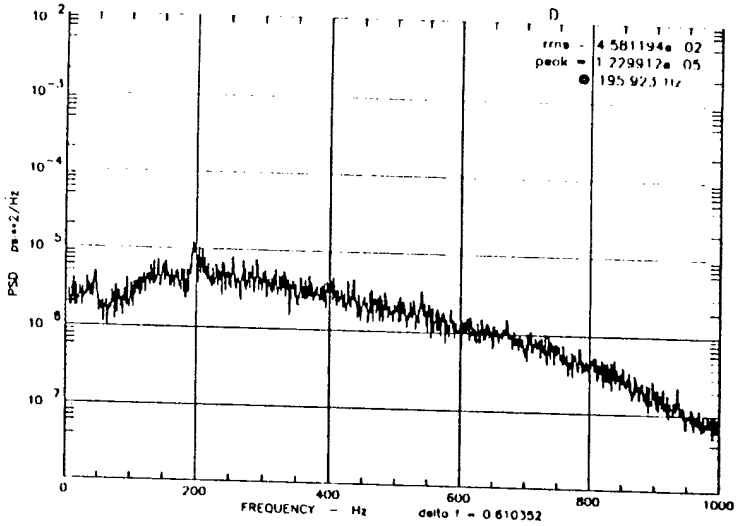

F 15 TPN 2852: alpha=24 beta=0 bp=0
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2852: alpha=24 beta=0 bp=0
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

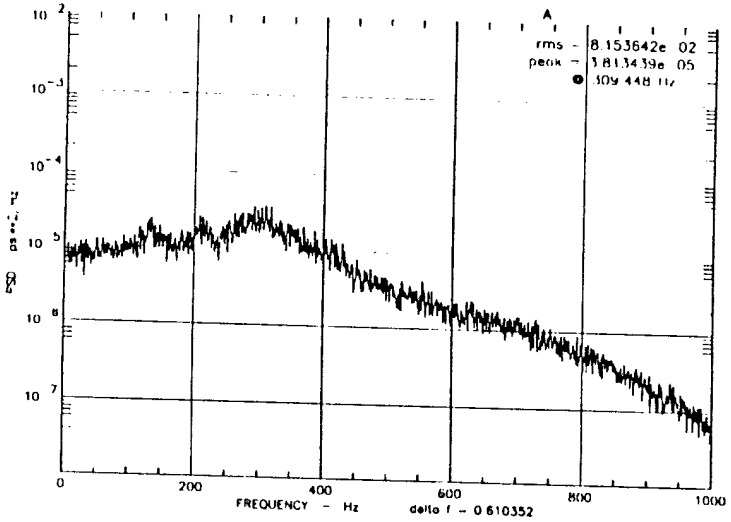
F 15 TPN 2853: alpha=28 beta=0 bp=0



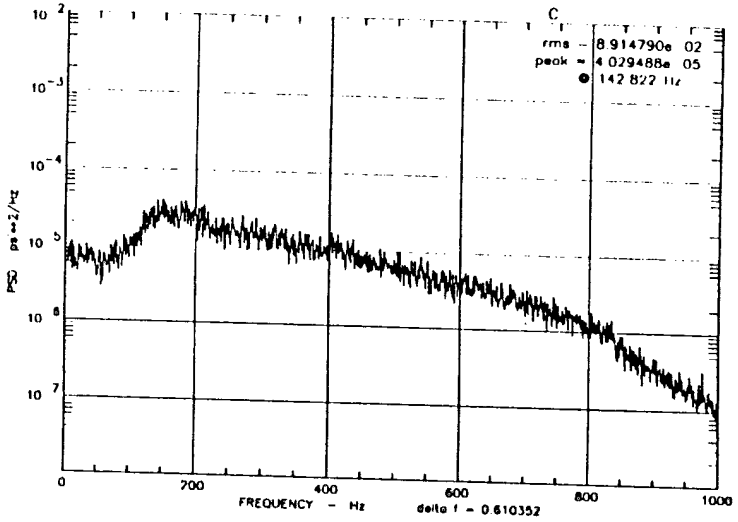
F 15 TPN 2853: alpha=28 beta=0 bp=0

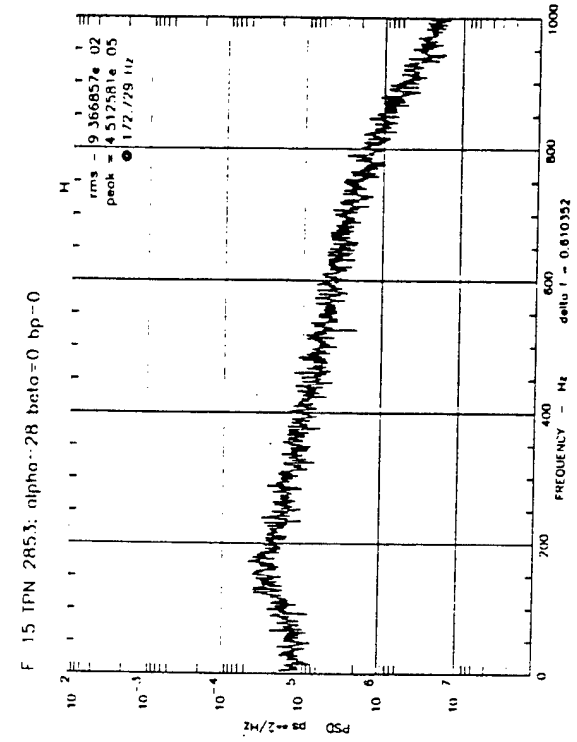


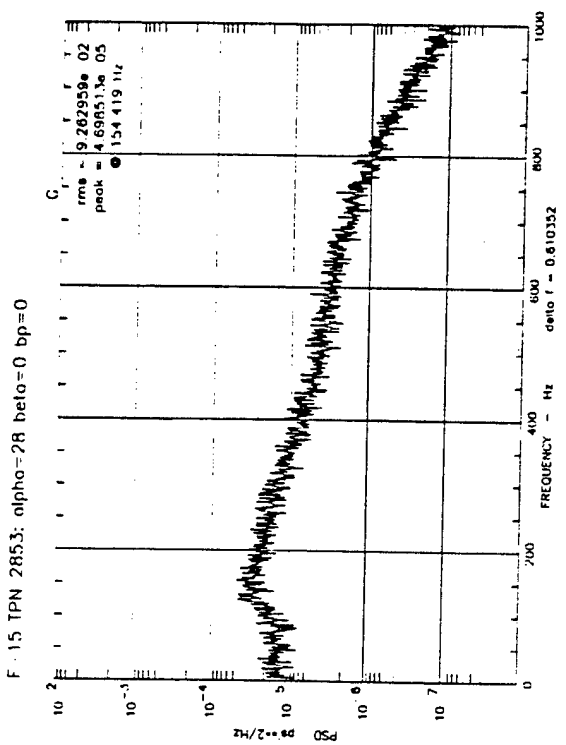
F 15 TPN 2853: alpha=28 beta=0 bp=0

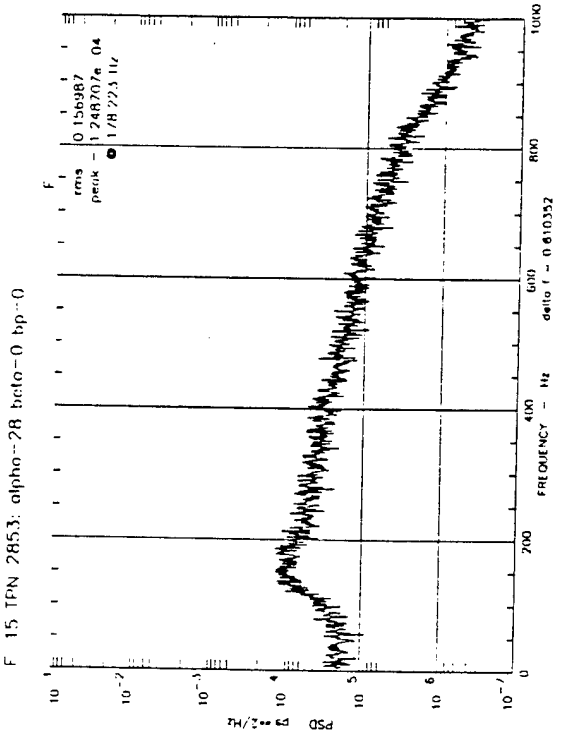


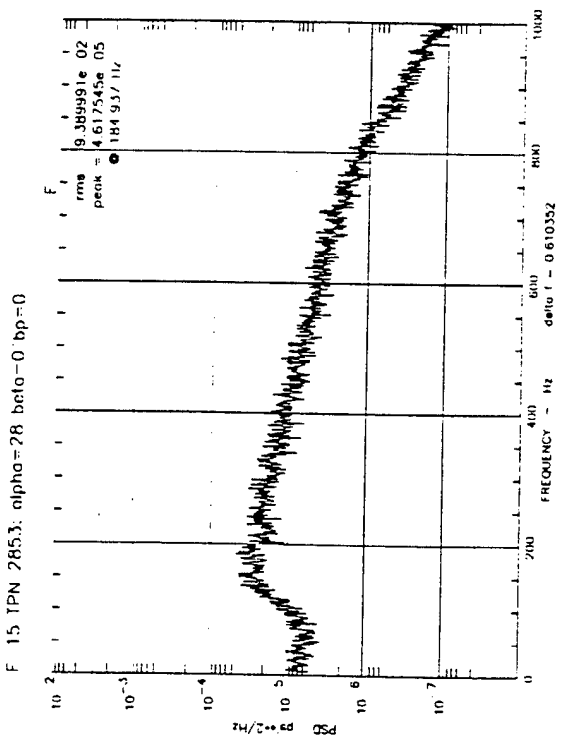
F 15 TPN 2853: alpha=28 beta=0 bp=0



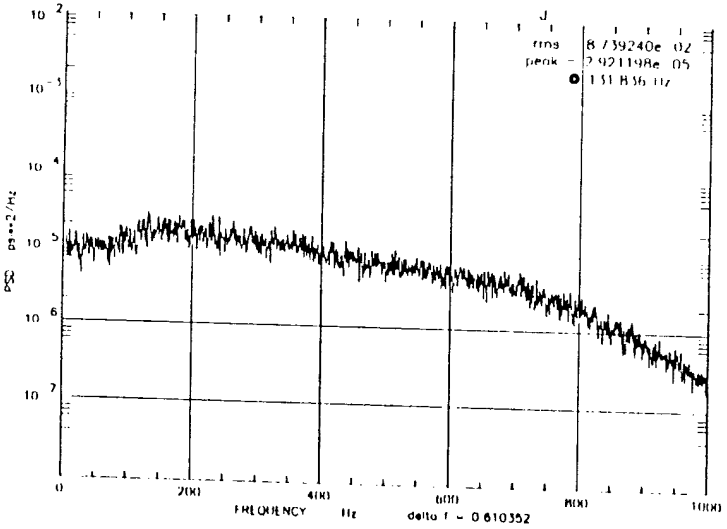

F 15 TPN 2853: alpha=-28 beta=0 bp=0
H
rms = 9.366857e 02
peak = 4.512581e 05
@ 172.729 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2853: alpha=28 beta=0 bp=0
G
rms = 9.282959e 02
peak = 4.698513e 05
@ 134.419 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

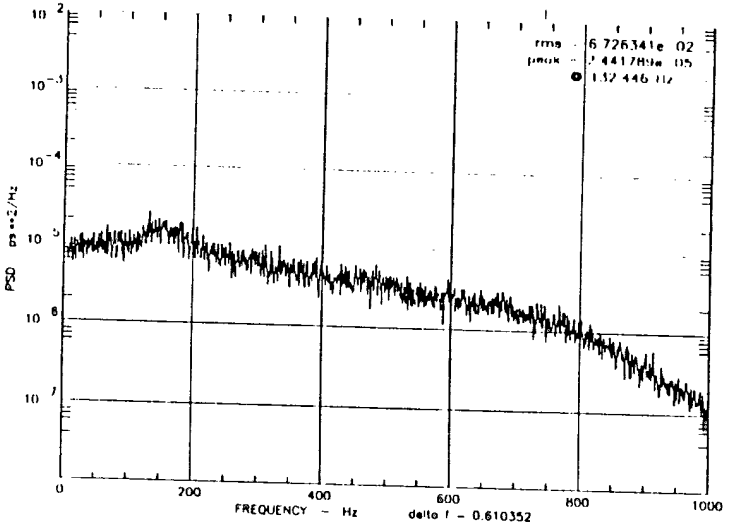

F 15 TPN 2853: alpha=-28 beta=0 bp=0
F
rms = 0.156987
peak = 1.248707e 04
@ 178.223 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2853: alpha=28 beta=0 bp=0
F
rms = 9.389991e 02
peak = 4.617545e 05
@ 184.937 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

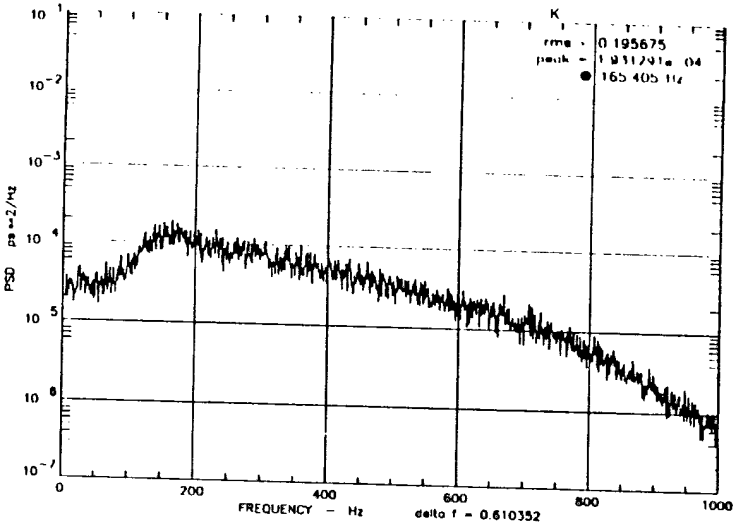
F 15 TPN 2853: alpha=28 beta=0 bp=0

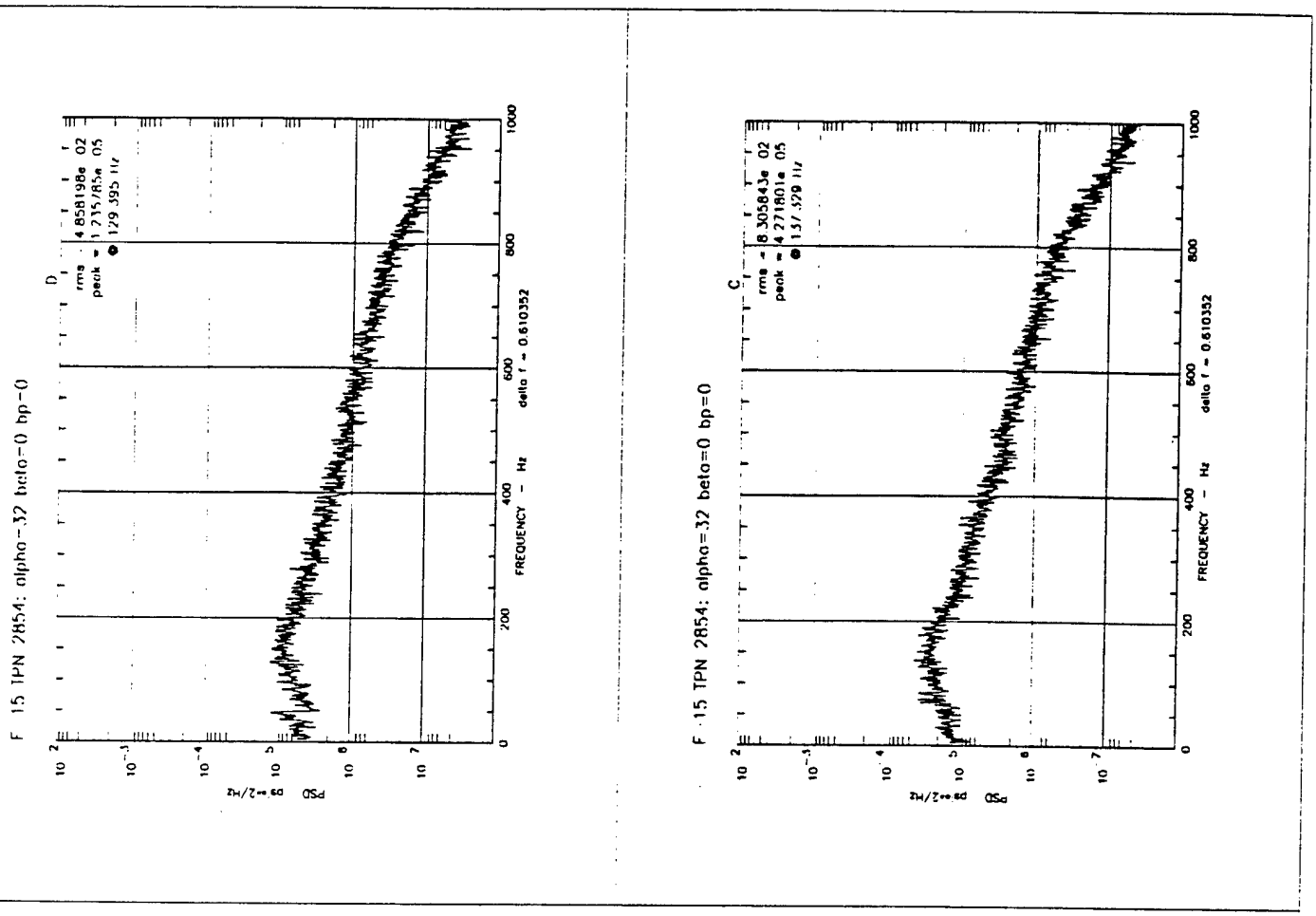


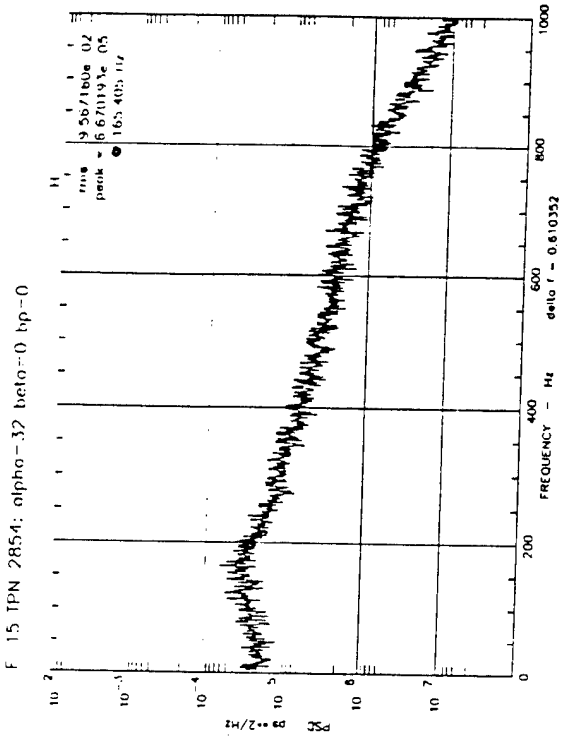
F 15 TPN 2853: alpha=28 beta=0 bp=0

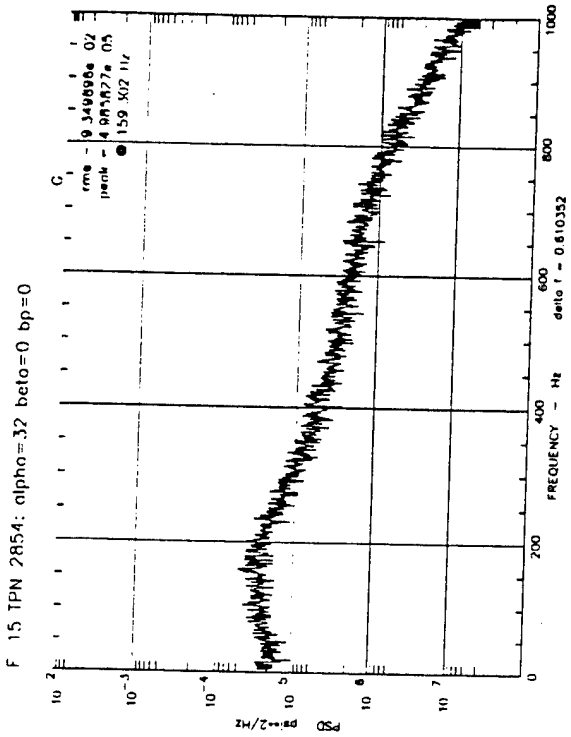


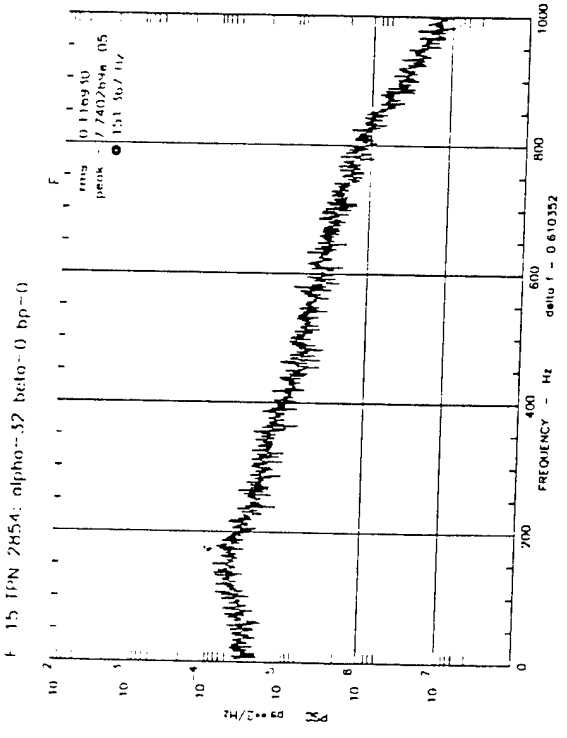
F 15 TPN 2853: alpha=28 beta=0 bp=0

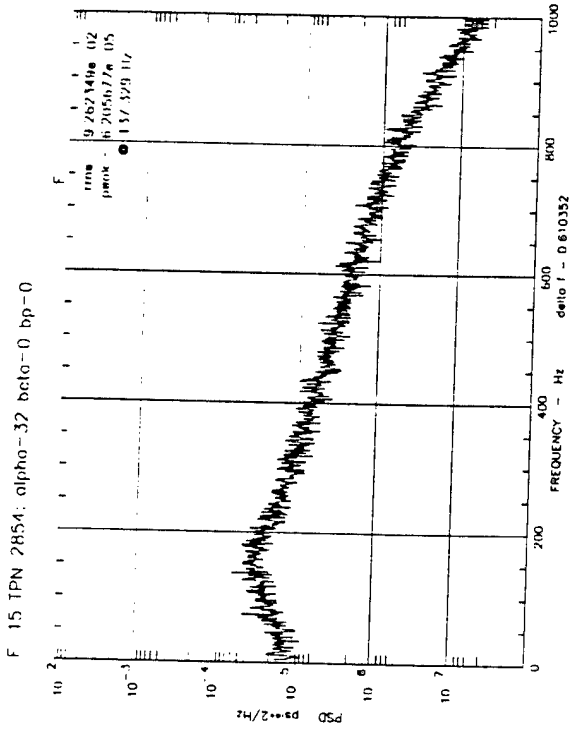


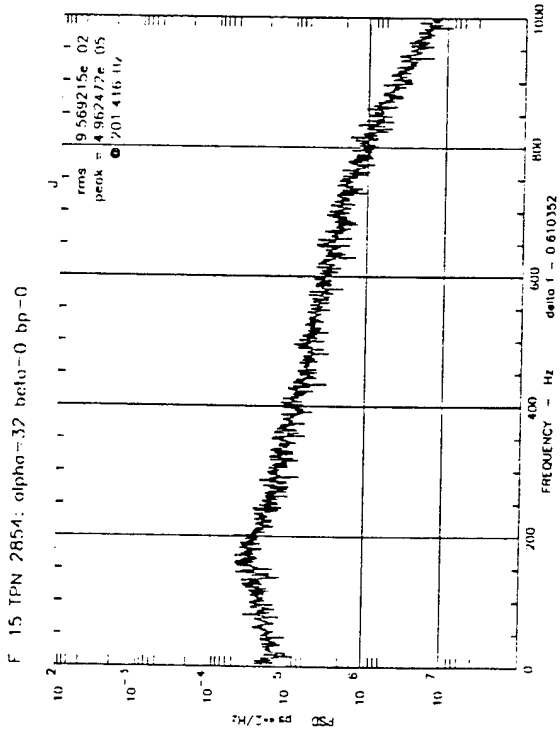

F 15 TPN 2854: alpha=.32 beta=0 bp=0
D
rms = 4.858198e 02
peak = 1.215785e 05
@ 129.395 Hz
F 15 TPN 2854: alpha=.32 beta=0 bp=0
C
rms = 8.305843e 02
peak = 4.271801e 05
@ 137.329 Hz
F 15 TPN 2854: alpha=.32 beta=0 bp=0
B
rms = 7.434821e 02
peak = 1.526517e 05
@ 213.434 Hz
F 15 TPN 2854: alpha=.32 beta=0 bp=0
A
rms = 9.929920e 02
peak = 5.851975e 05
@ 191.040 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

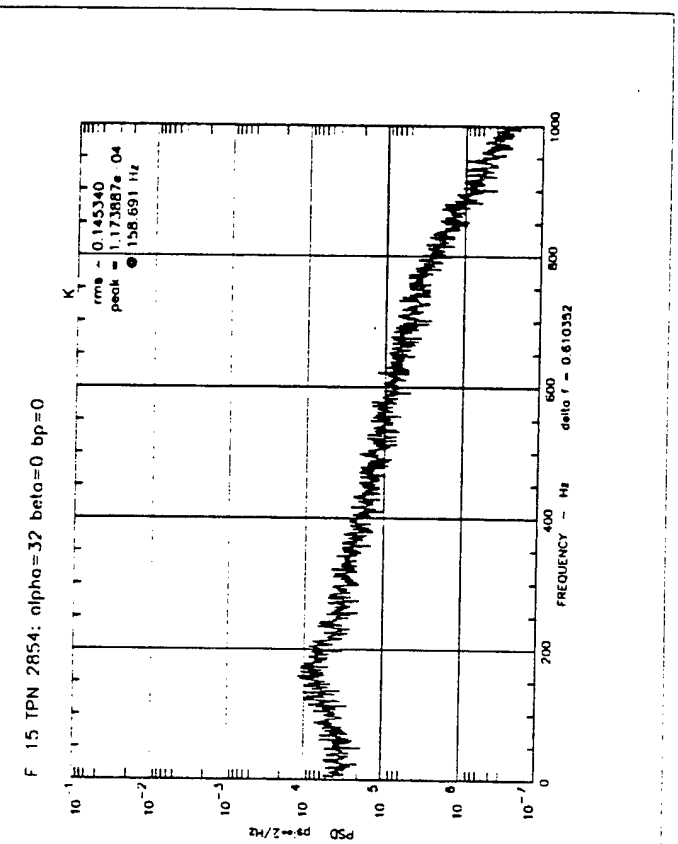

F 15 TPN 2854: alpha=32 beta=0 bp=0
H
rms - 9.561868e 02
peak - 6.670194e 05
@ 165.405 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f - 0.610352

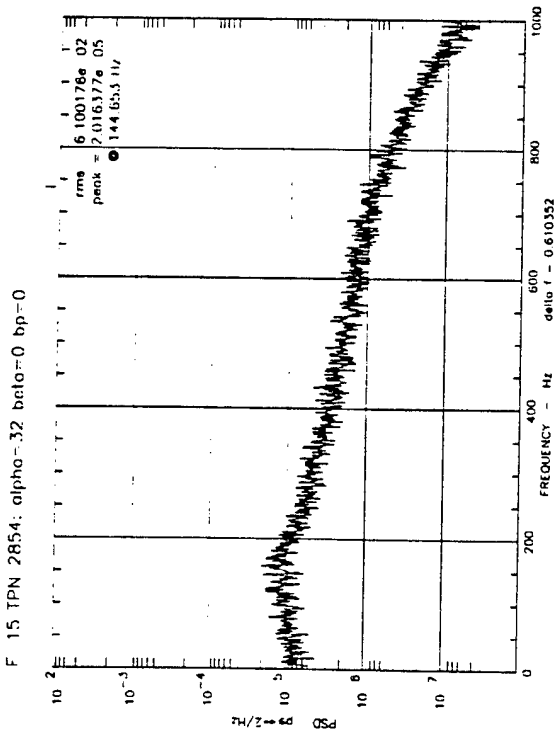

F 15 TPN 2854: alpha=32 beta=0 bp=0
G
rms - 9.349898e 02
peak - 4.885827e 05
@ 159.302 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f - 0.610352

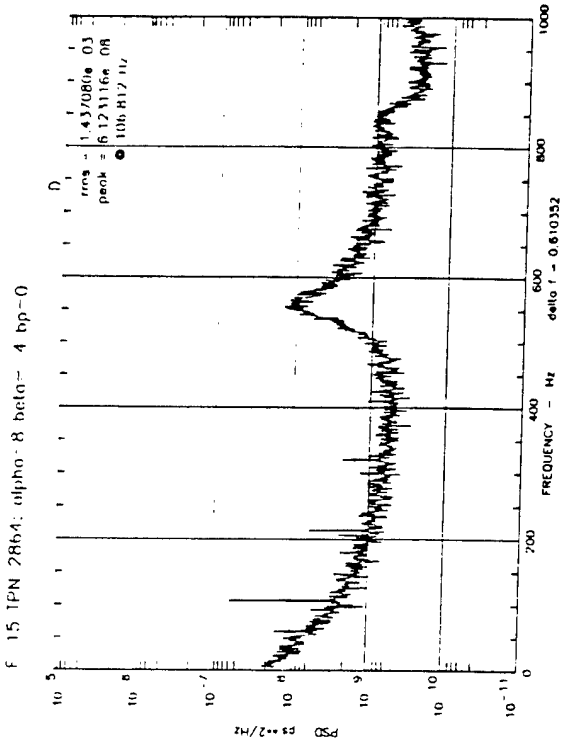

F 15 TPN 2854: alpha=32 beta=0 bp=0
F
rms - 9.119930
peak - 7.740264e 05
@ 151.367 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f - 0.610352

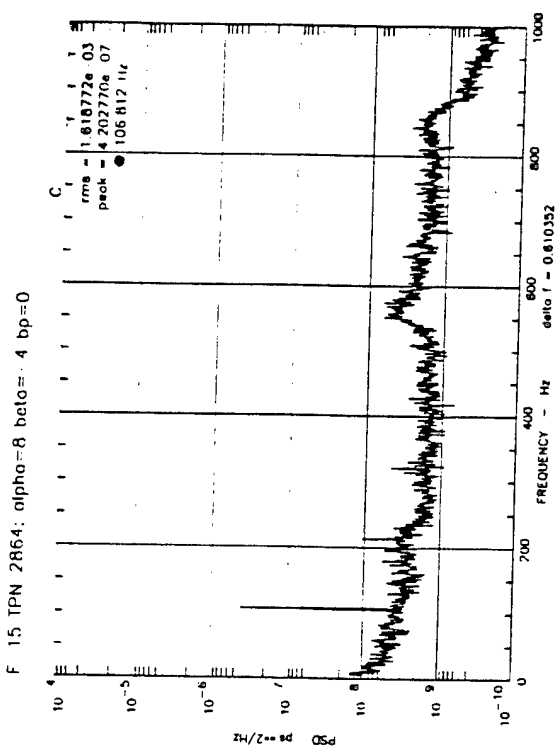

F 15 TPN 2854: alpha=32 beta=0 bp=0
F
rms - 9.267149e 02
peak - 6.205177e 05
@ 157.529 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f - 0.610352

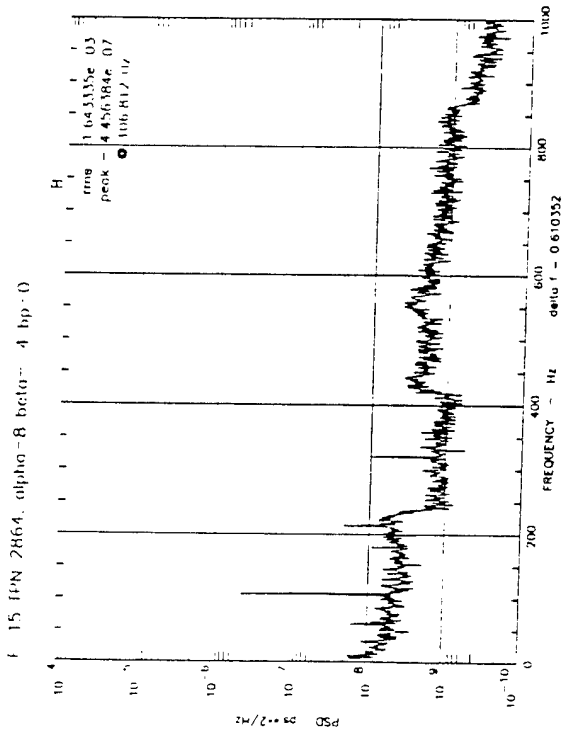

F 15 TPN 2854: alpha=32 beta=0 bp=0
J
rms = 9.569215e 02
peak = 4.962472e 05
@ 201.416 Hz
PSD pp**2/Hz
FREQUENCY - Hz
delta f = 0.610352

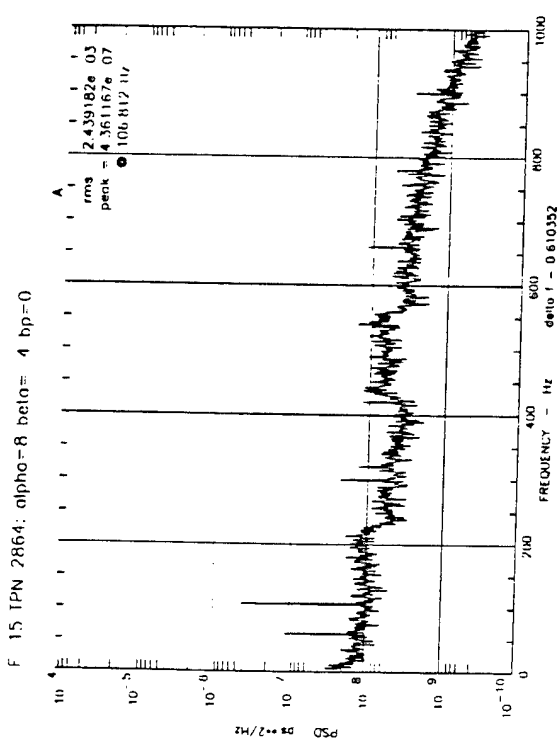

F 15 TPN 2854: alpha=32 beta=0 bp=0
K
rms = 0.145340
peak = 1.173887e 04
@ 158.691 Hz
PSD pp**2/Hz
FREQUENCY - Hz
delta f = 0.610352

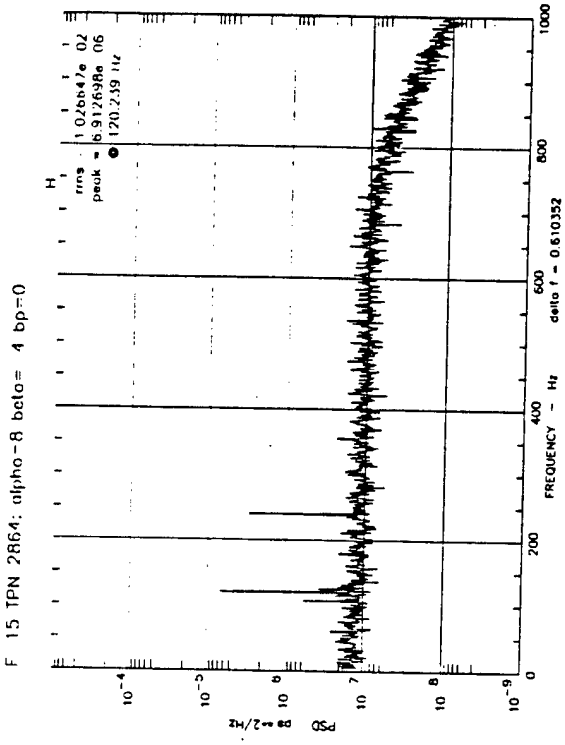

F 15 TPN 2854: alpha=32 beta=0 bp=0
rms = 6.100178e 02
peak = 2.016377e 05
@ 144.653 Hz
PSD pp**2/Hz
FREQUENCY - Hz
delta f = 0.610352

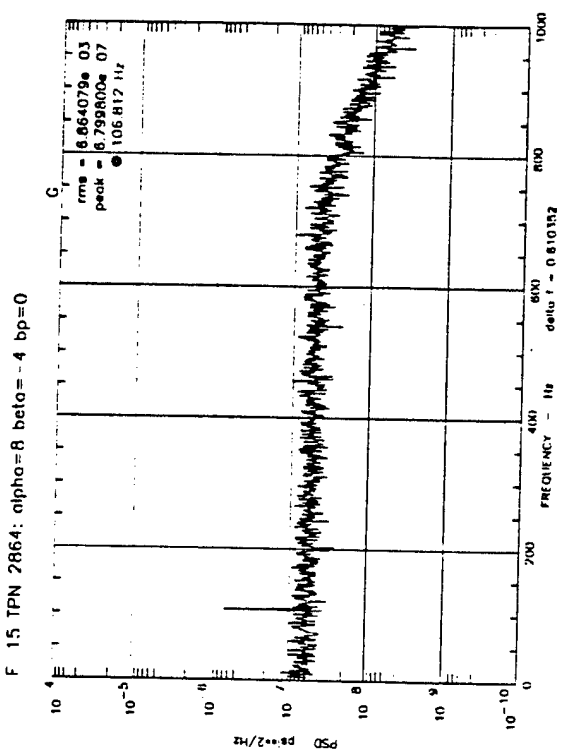

F 15 IPN 2864: alpha=8 beta= 4 bp=0
D
rms = 1.437080e 03
peak = 6.121116e 08
@ 106.812 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

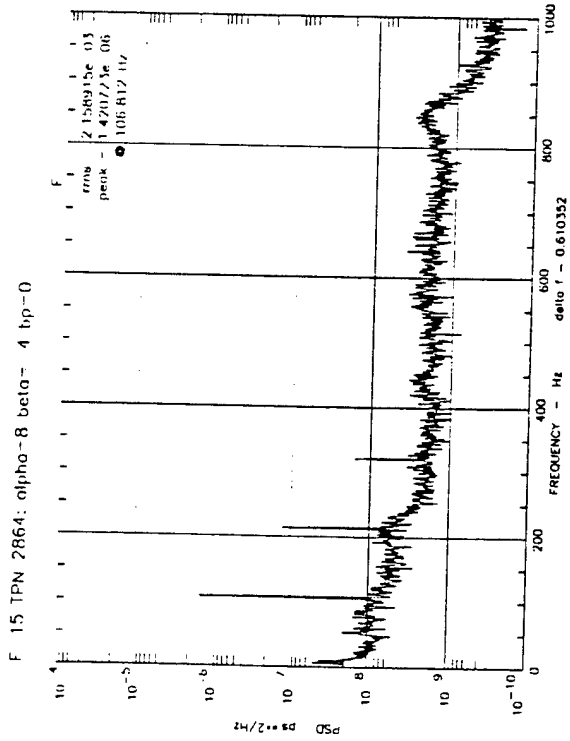

F 15 TPN 2864: alpha=8 beta= 4 bp=0
C
rms = 1.618772e 03
peak = 4.202770e 07
@ 106.812 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

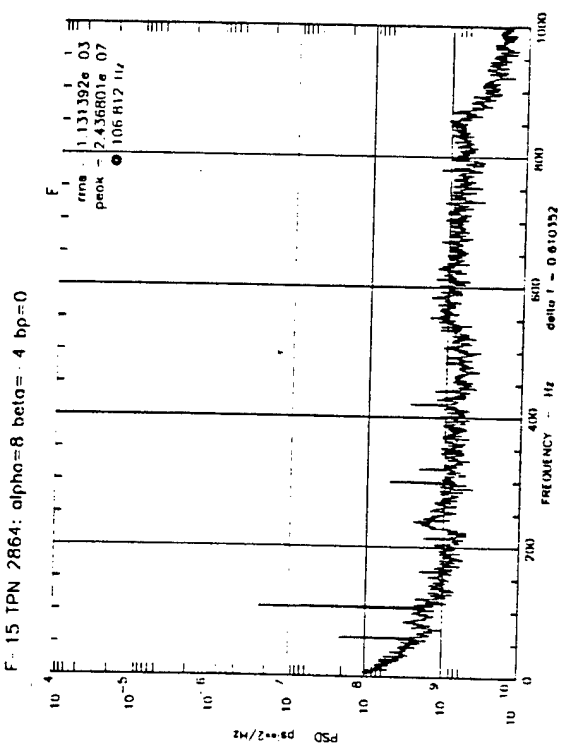

F 15 IPN 2864: alpha=8 beta= 4 bp=0
H
rms = 1.643335e 03
peak = 4.456384e 07
@ 106.812 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

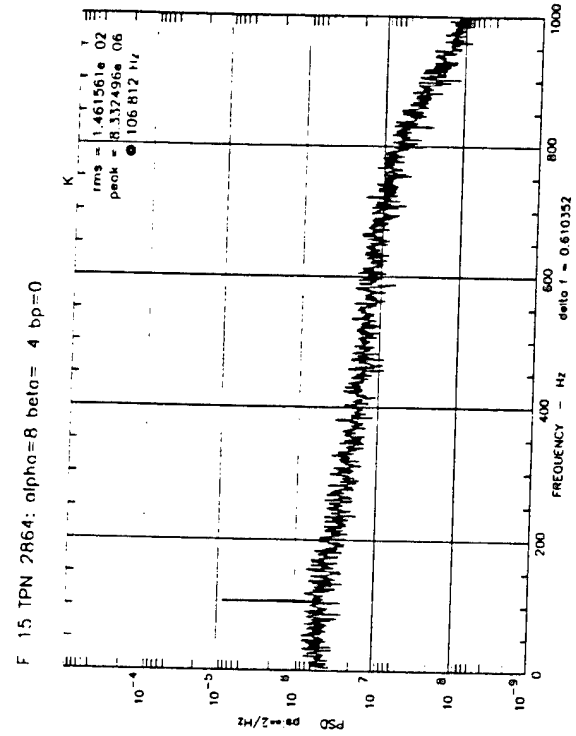

F 15 TPN 2864: alpha=8 beta= 4 bp=0
A
rms = 2.439182e 03
peak = 4.361167e 07
@ 106.812 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

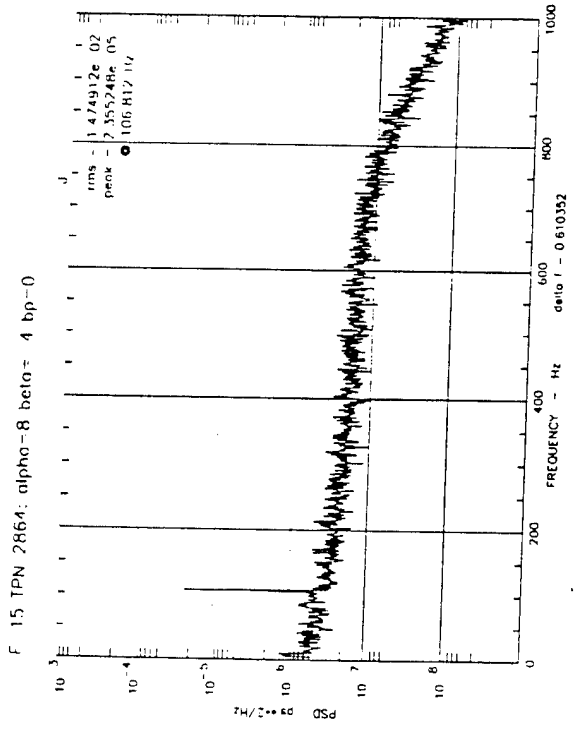

F 15 TPN 2864: alpha=8 beta= 4 bp=0
H
rms = 1.026647e 02
peak = 6.912698e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

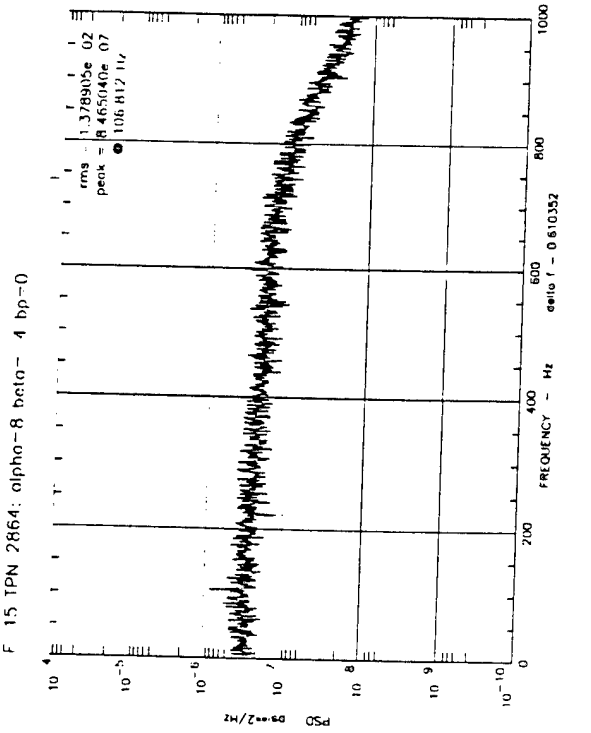

F 15 TPN 2864: alpha=8 beta=-4 bp=0
G
rms = 6.864079e 03
peak = 6.799800e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

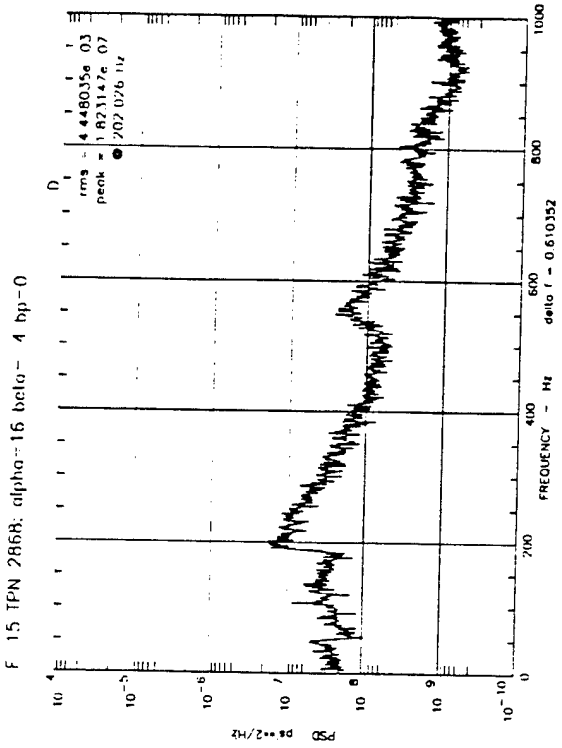

F 15 TPN 2864: alpha=8 beta= 4 bp=0
F
rms = 2.158915e 03
peak = 1.420173e 06
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

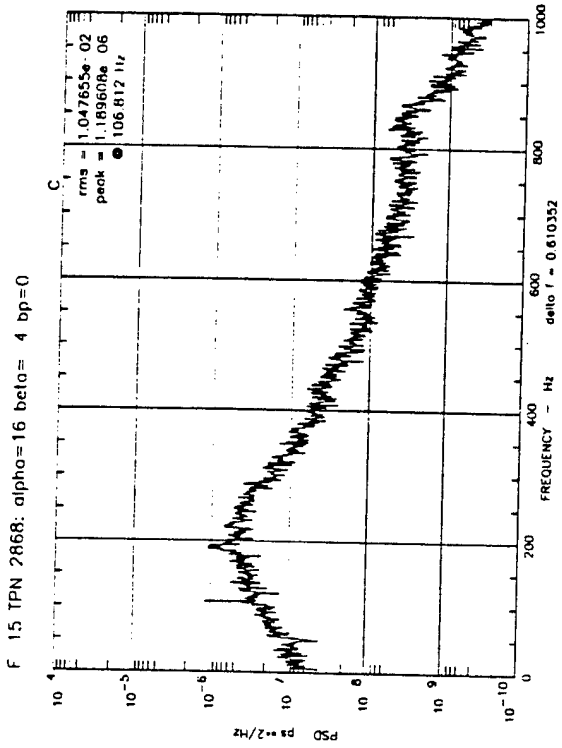

F 15 TPN 2864: alpha=8 beta=-4 bp=0
F
rms = 1.131392e 03
peak = 2.436801e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

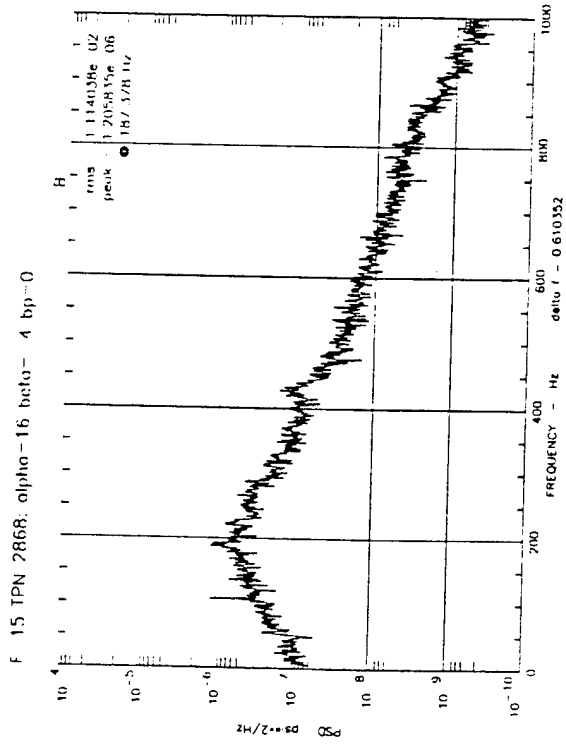

F 15 TPN 2864: alpha=8 beta= 4 bp=0
rms = 1.461561e 02
peak = 8.332496e 06
@ 106.812 Hz
PSD pe-e2/Hz
FREQUENCY - Hz
delta f = 0.610352

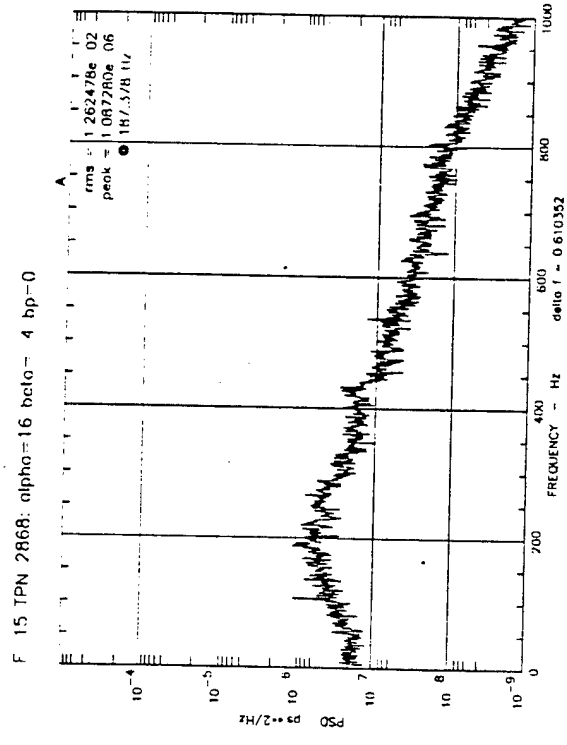

F 15 TPN 2864: alpha=8 beta= 4 bp=0
rms = 1.474912e 02
peak = 7.355248e 05
@ 106.812 Hz
PSD pe-e2/Hz
FREQUENCY - Hz
delta f = 0.610352

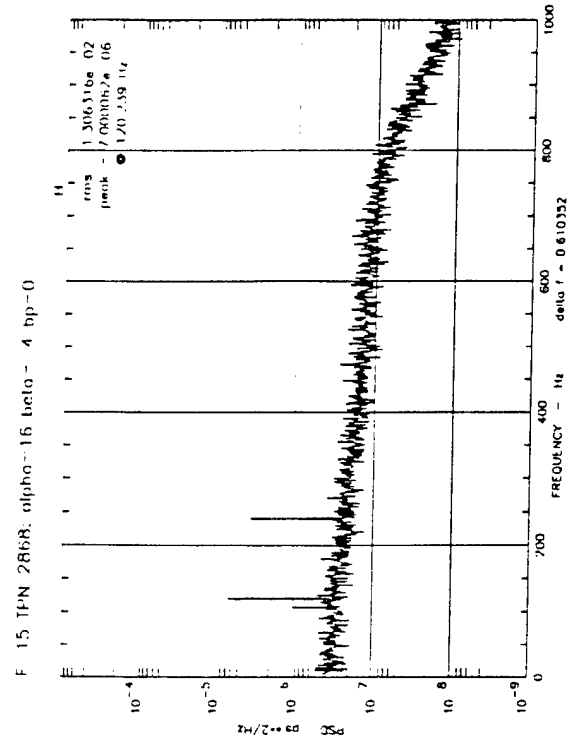

F 15 TPN 2864: alpha=8 beta= 4 bp=0
rms = 1.378905e 02
peak = 8.465040e 07
@ 106.812 Hz
PSD pe-e2/Hz
FREQUENCY - Hz
delta f = 0.610352

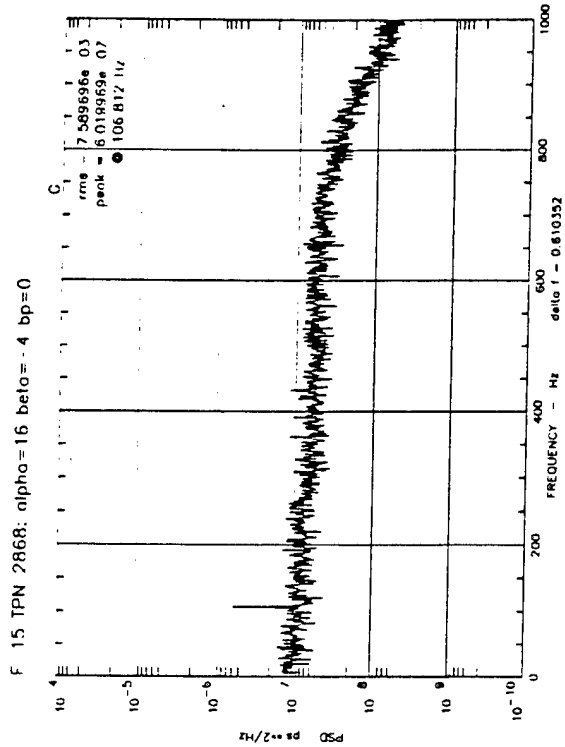

F 15 TPN 2868: alpha=16 beta= 4 bp=0
D
rms = 4.448035e 03
peak = 1.821147e 07
@ 202.026 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

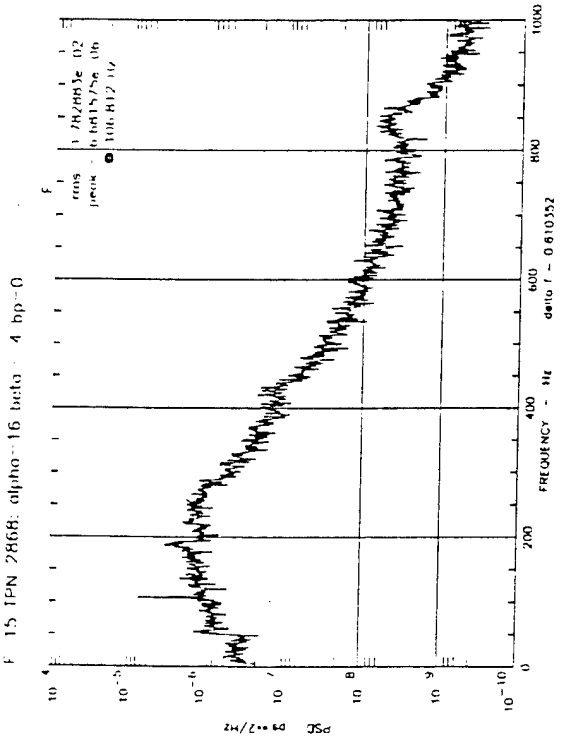

F 15 TPN 2868: alpha=16 beta= 4 bp=0
C
rms = 1.047655e 02
peak = 1.189608e 06
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

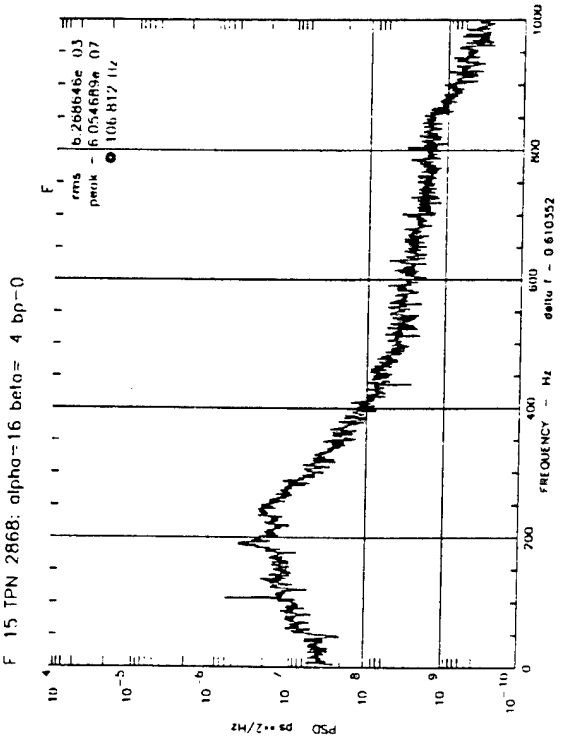

F 15 TPN 2868: alpha=16 beta= 4 bp=0
H
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

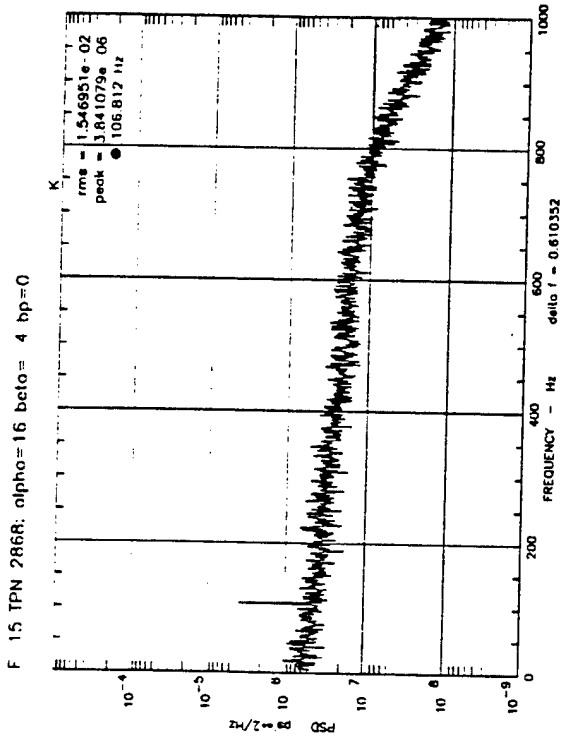

F 15 TPN 2868: alpha=16 beta= 4 bp=0
A
rms = 1.262478e 02
peak = 1.087280e 06
@ 187.378 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

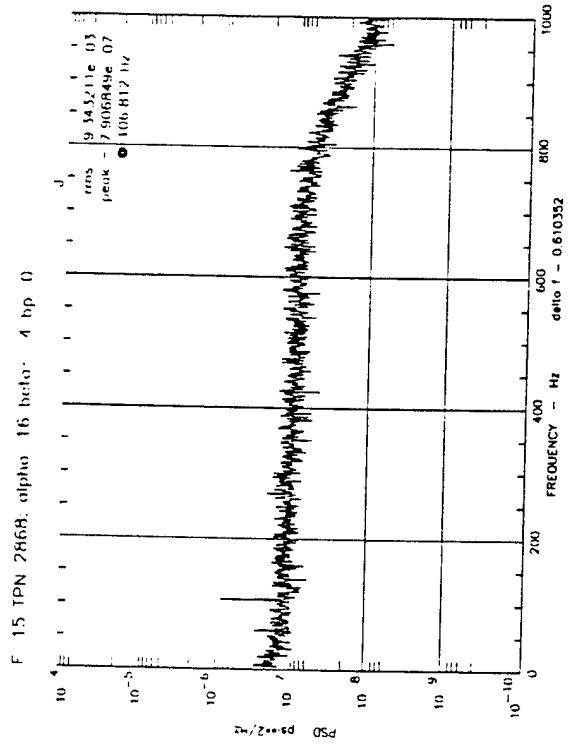

F 15 TPN 2868: alpha=16 beta= 4 bp=0
H
rms = 1.306316e 02
peak = 7.000092e 06
@ 1.210.938 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

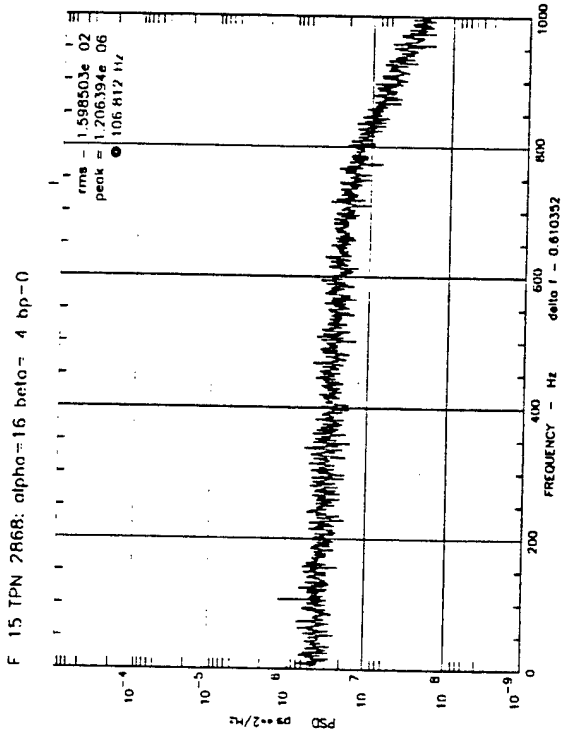

F 15 TPN 2868: alpha=16 beta= 4 bp=0
G
rms = 7.589696e 03
peak = 6.019969e 07
@ 106.812 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

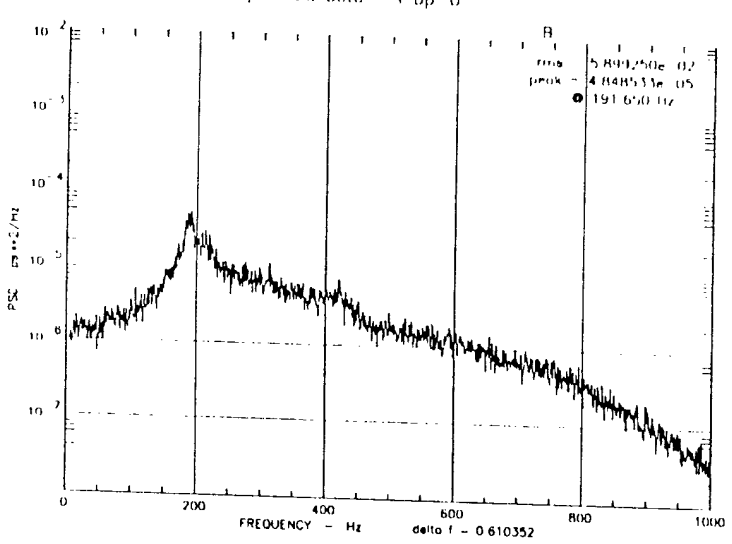

F 15 TPN 2868: alpha=16 beta= 4 bp=0
F
rms = 1.284285e 02
peak = 6.081579e 06
@ 106.812 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

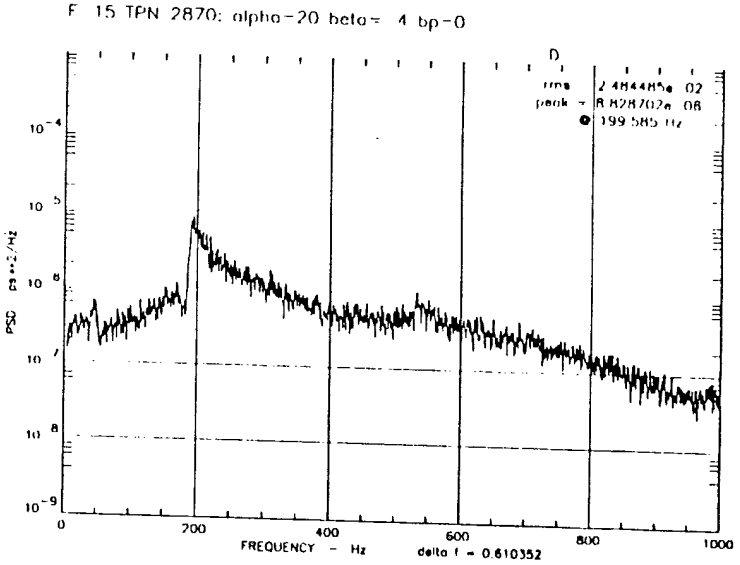

F 15 TPN 2868: alpha=16 beta= 4 bp=0
F
rms = 6.268646e 03
peak = 6.054689e 07
@ 106.812 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

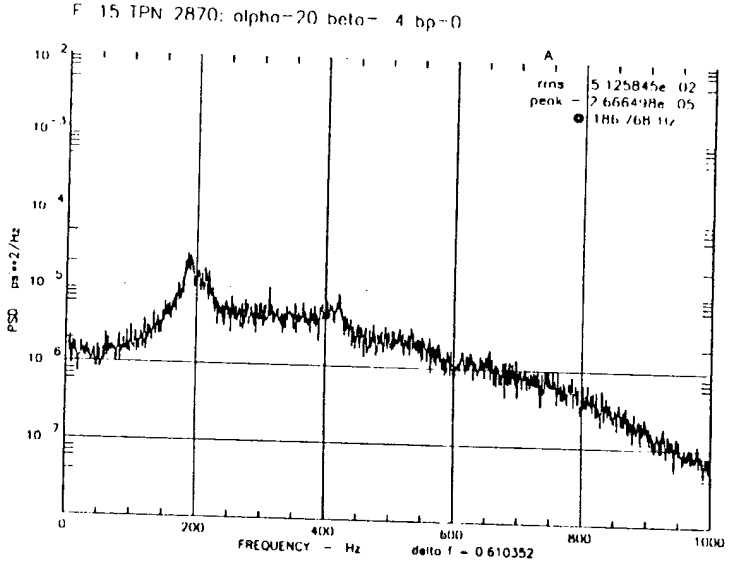

F 15 TPN 2868: alpha=16 beta= 4 bp=0
rms = 1.546951e-02
peak = 3.841079e 06
@ 106.812 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

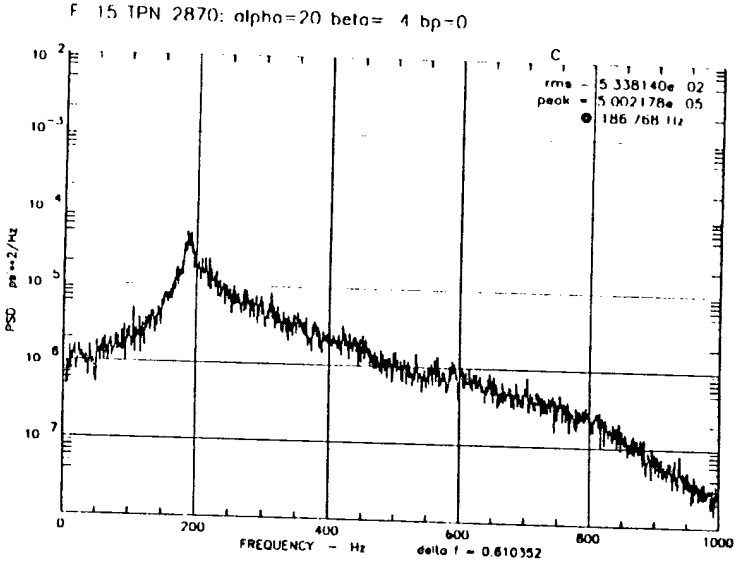

F 15 TPN 2868: alpha 16 beta= 4 bp 0
rms = 9.345211e 03
peak = 7.906849e 07
@ 106.812 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

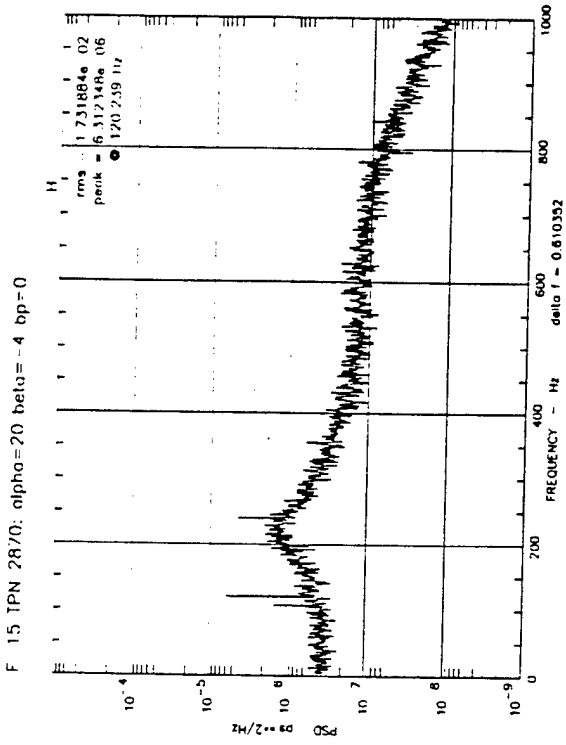

F 15 TPN 2868: alpha=16 beta= 4 bp=0
rms = 1.598503e 02
peak = 1.206394e 06
@ 106.812 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

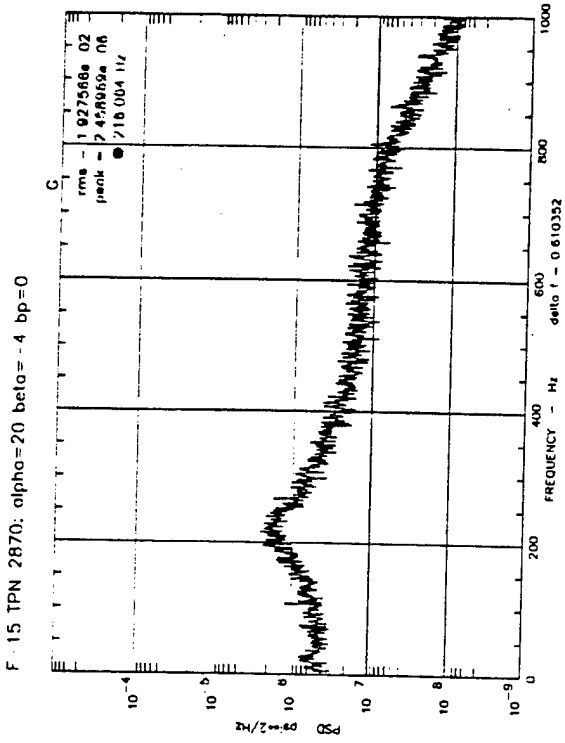

F 15 TPN 2870: alpha=20 beta= 4 bp=0
B
rms 5.899250e 02
peak = 4.848533e 05
@ 191.650 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

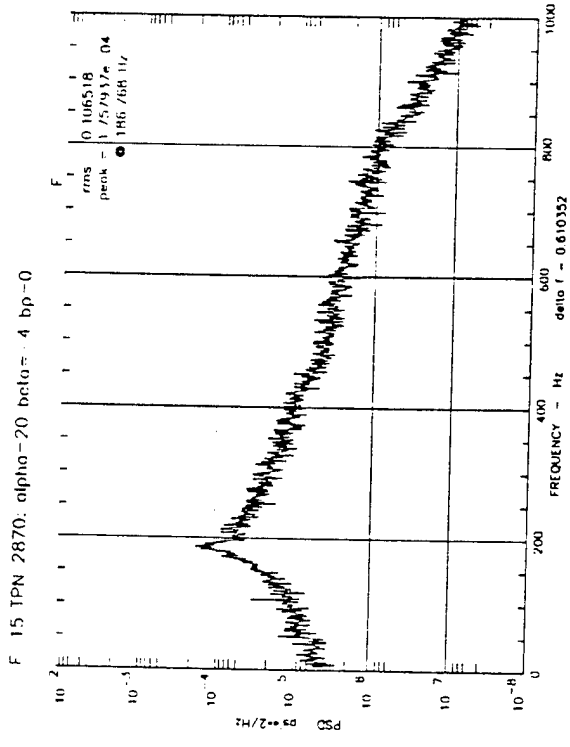

F 15 TPN 2870: alpha=20 beta= 4 bp=0
D
rms 2.484485e 02
peak = 8.828702e 08
@ 199.585 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

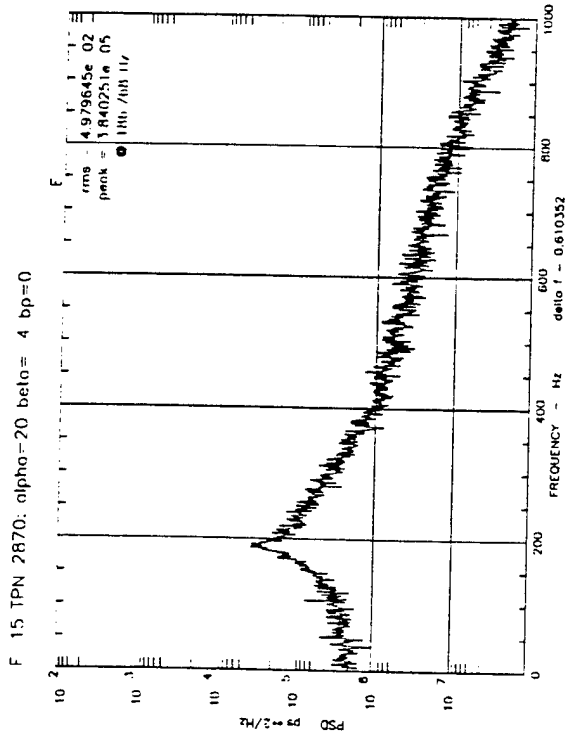

F 15 TPN 2870: alpha=20 beta= 4 bp=0
A
rms 5.125845e 02
peak = 2.666498e 05
@ 186.768 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

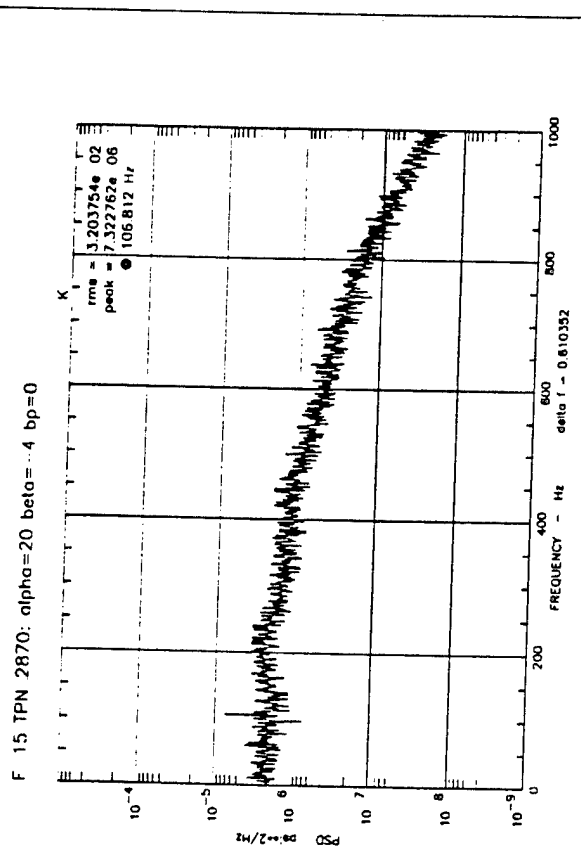

F 15 TPN 2870: alpha=20 beta= 4 bp=0
C
rms 5.338140e 02
peak = 5.002178e 05
@ 186.768 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

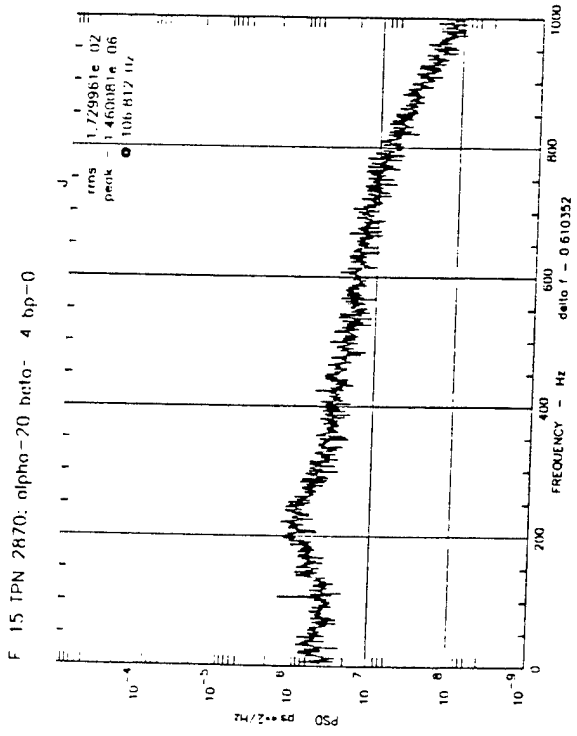

F 15 TPN 2870: alpha=20 beta= -4 bp=0
H
rms = 1.731884e 02
peak = 6.312144e 06
@ 120.239 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

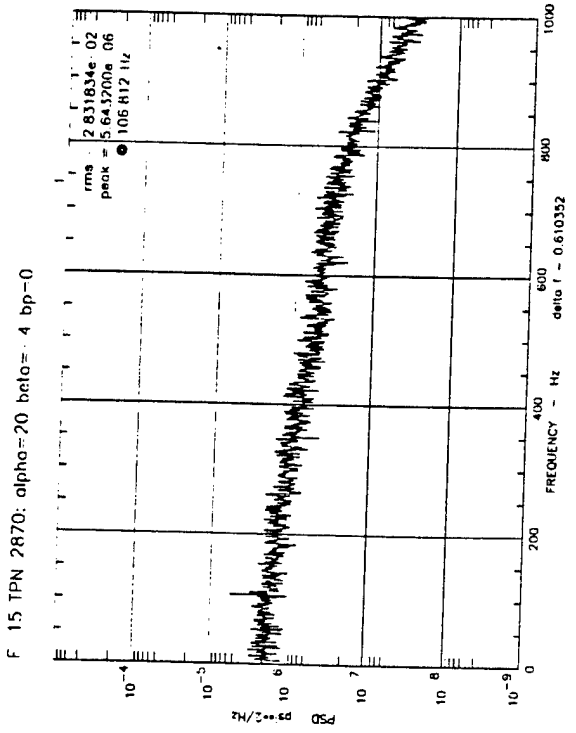

F 15 TPN 2870: alpha=20 beta= -4 bp=0
G
rms = 1.927568e 02
peak = 2.458069e 06
@ 118.004 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

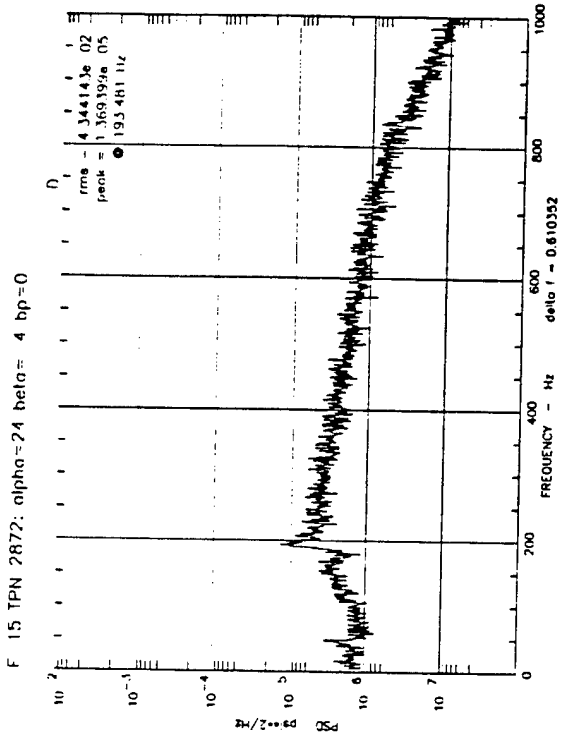

F 15 TPN 2870: alpha=20 beta= -4 bp=0
F
rms = 0.106518
peak = 1.759437e 04
@ 186.768 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

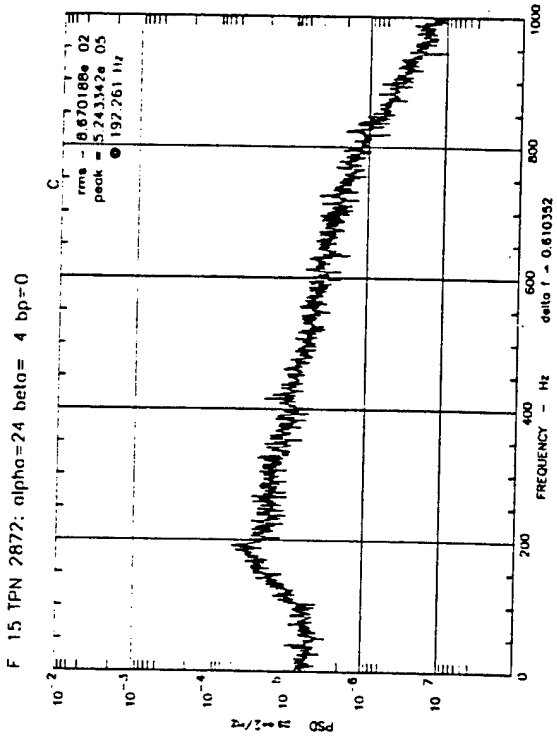

F 15 TPN 2870: alpha=20 beta= -4 bp=0
F
rms = 4.979645e 02
peak = 1.840251e 05
@ 186.768 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

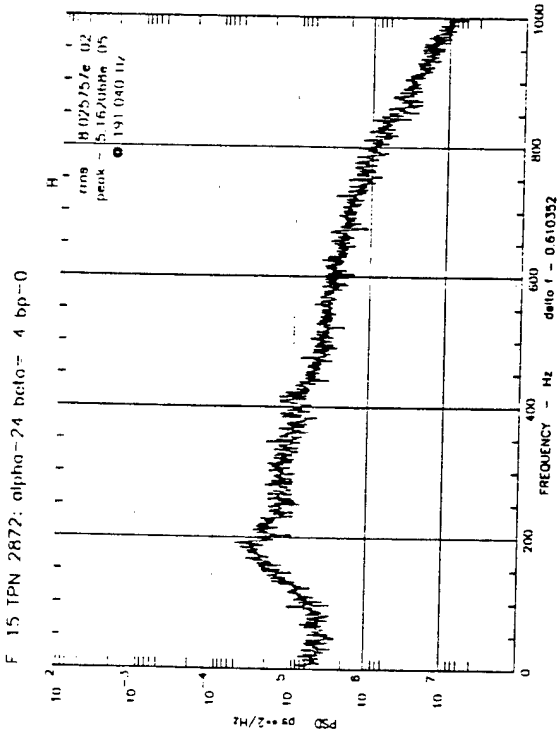

F 15 TPN 2870: alpha=20 beta= -4 bp=0
K
rms = 3.203754e 02
peak = 7.322762e 06
106.812 Hz
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

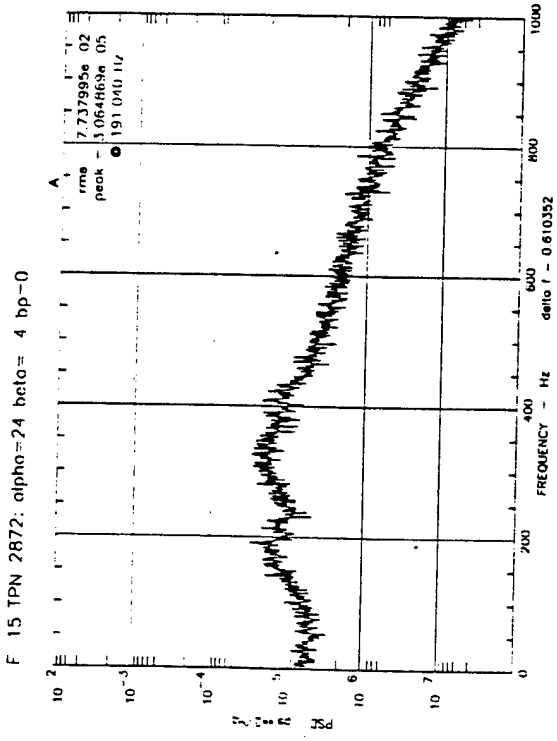

F 15 TPN 2870: alpha=20 beta= -4 bp=0
J
rms = 1.729961e 02
peak = 1.460818e 06
106.812 Hz
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

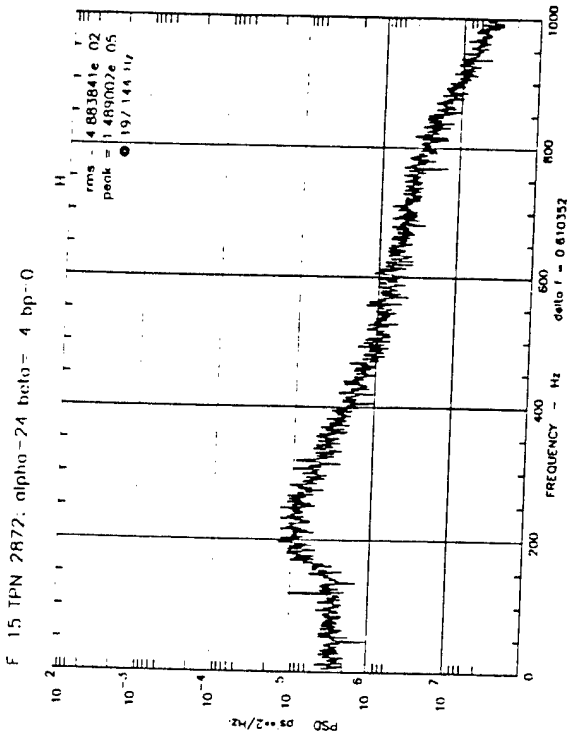

F 15 TPN 2870: alpha=20 beta= -4 bp=0
rms = 2.831834e 02
peak = 5.643200e 06
106.812 Hz
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

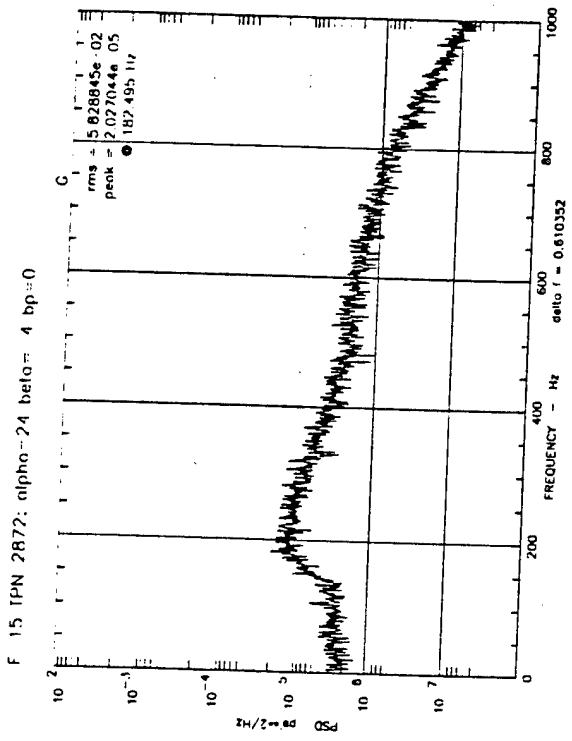

F 15 TPN 2872: alpha=24 beta= 4 bp=0
D
rms = 4.344143e 02
peak = 1.369199e 05
@ 193.481 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

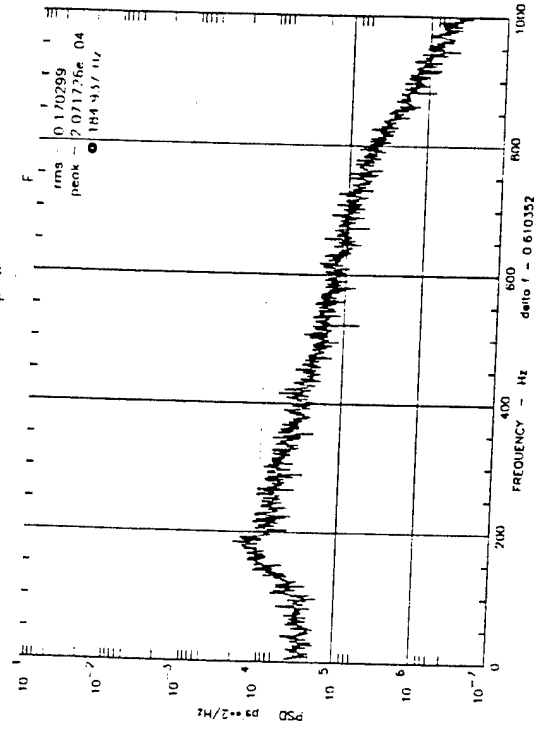

F 15 TPN 2872: alpha=24 beta= 4 bp=0
C
rms = 8.670188e 02
peak = 5.243342e 05
@ 192.261 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

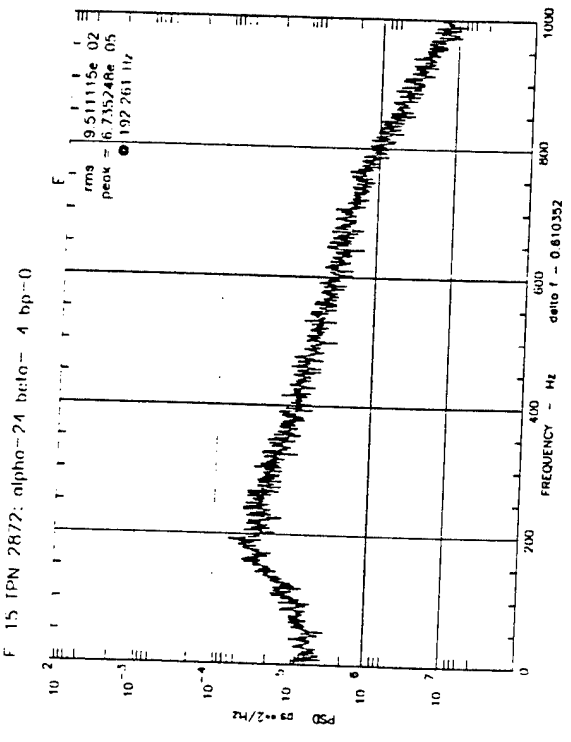

F 15 TPN 2872: alpha=24 beta= 4 bp=0
H
rms = 8.025757e 02
peak = 5.162068e 05
@ 191.040 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

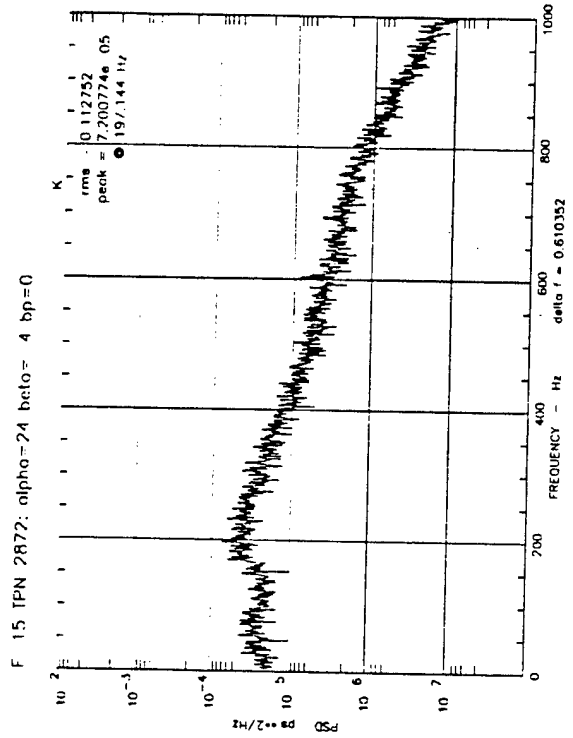

F 15 TPN 2872: alpha=24 beta= 4 bp=0
A
rms = 7.737995e 02
peak = 3.064869e 05
@ 191.040 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

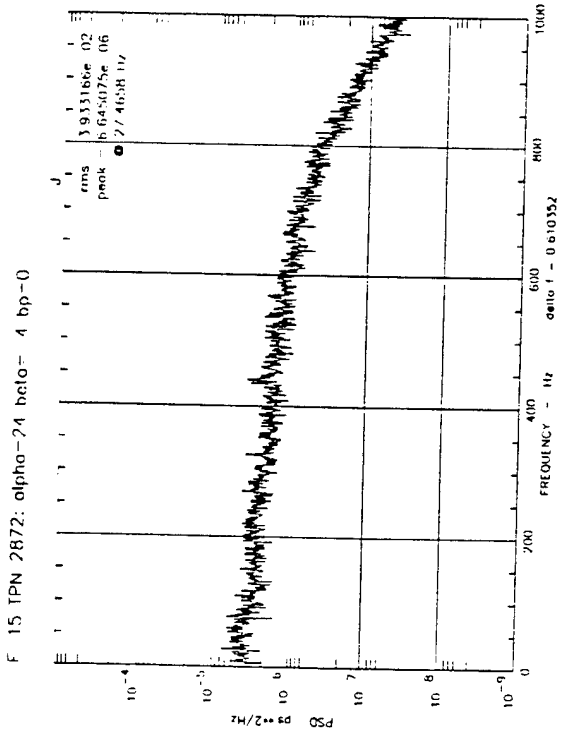

F 15 TPN 2872: alpha=24 beta= 4 bp=0
H
rms = 4.883841e 02
peak = 1.489002e 05
@ 197.144 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

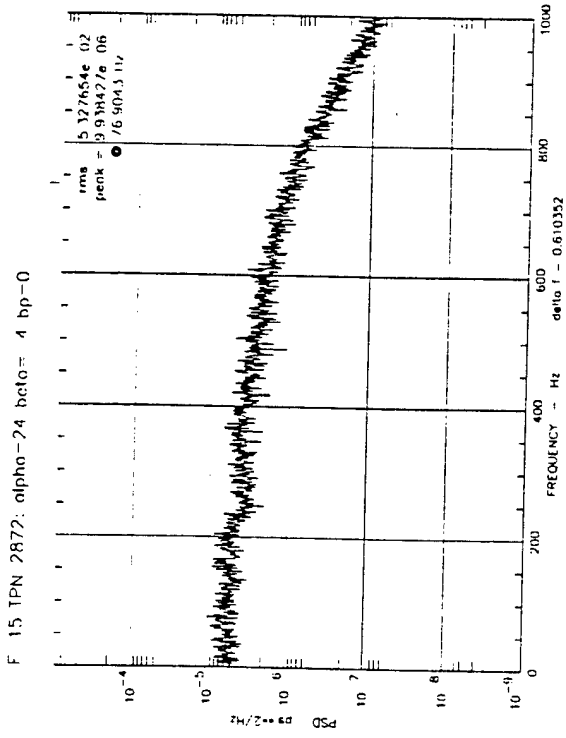

F 15 TPN 2872: alpha=24 beta= 4 bp=0
G
rms = 5.828845e-02
peak = 2.027044e 05
@ 182.495 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2872: alpha=24 beta= 4 bp=0
F
rms = 0.170299
peak = 2.071726e 04
@ 184.937 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

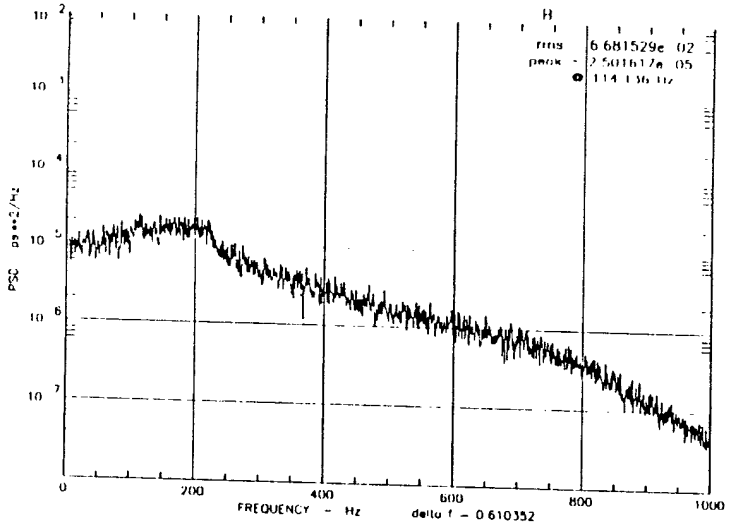

F 15 TPN 2872: alpha=24 beta= 4 bp=0
F
rms = 9.511115e 02
peak = 6.735248e 05
@ 192.261 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2872: alpha=24 beta= 4 bp=0
K
rms = 0.112752
peak = 7.200774e 05
@ 19/.144 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

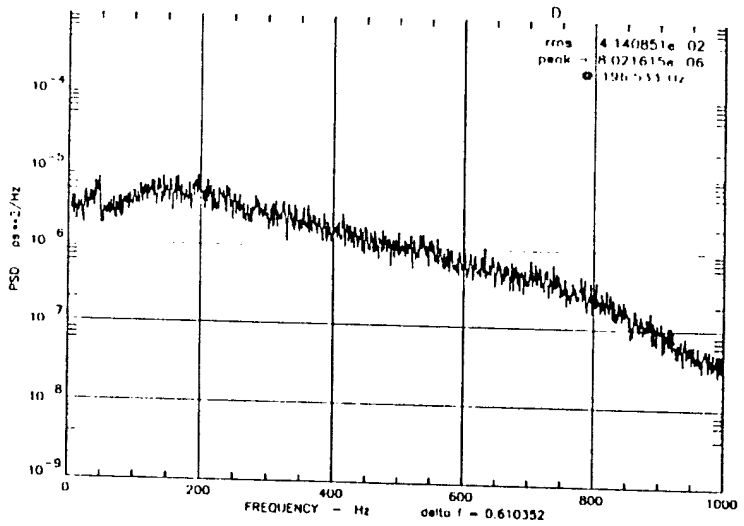

F 15 TPN 2872: alpha=24 beta= 4 bp=0
J
rms = 1.933186e 02
peak = 6.645075e 06
@ 27.46538 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2872: alpha=24 beta= 4 bp=0
I
rms = 5.327654e 02
peak = 3.938427e 06
@ 76.90433 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

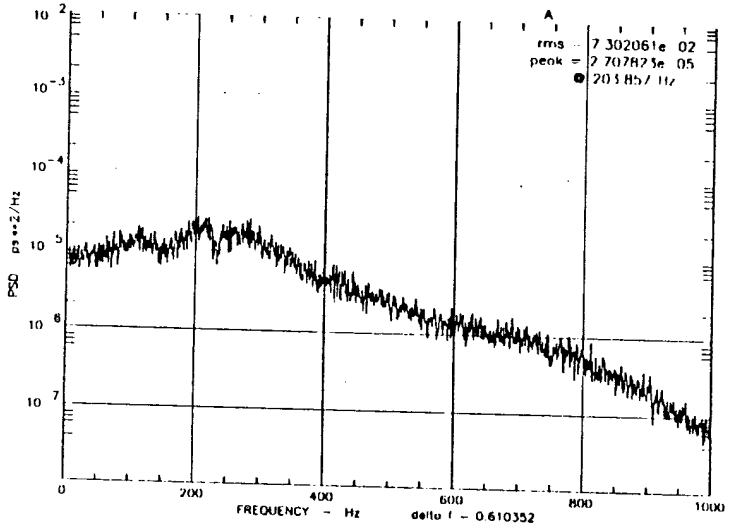
F 15 TPN 2873: alpha=28 beta= 4 bp=0



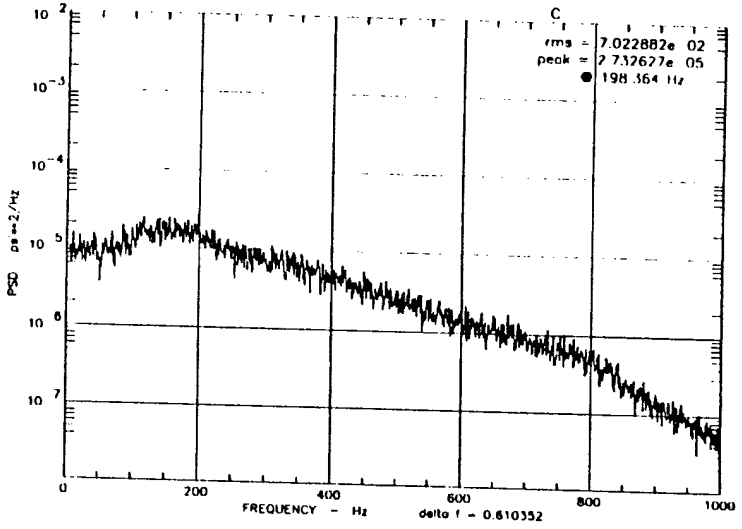
F 15 TPN 2873: alpha=28 beta= 4 bp=0

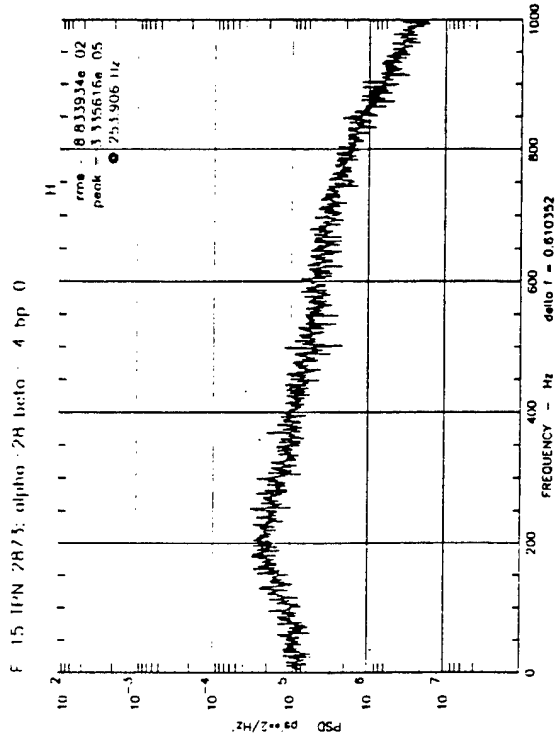


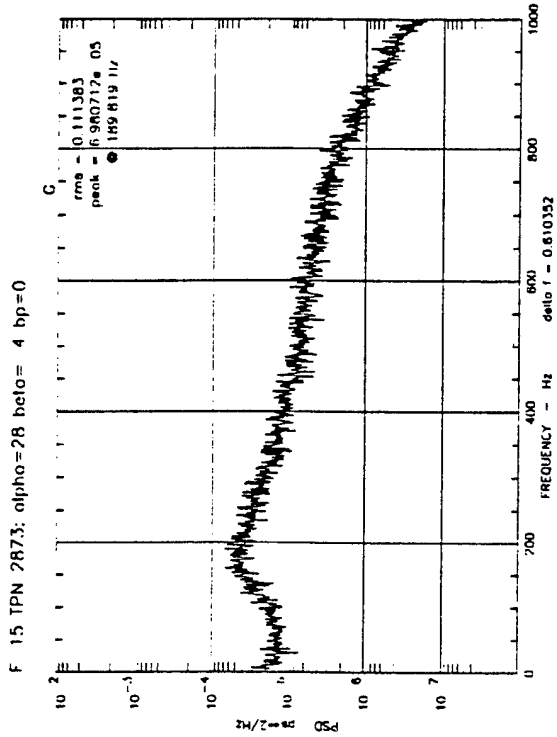
F 15 TPN 2873: alpha=28 beta= 4 bp=0

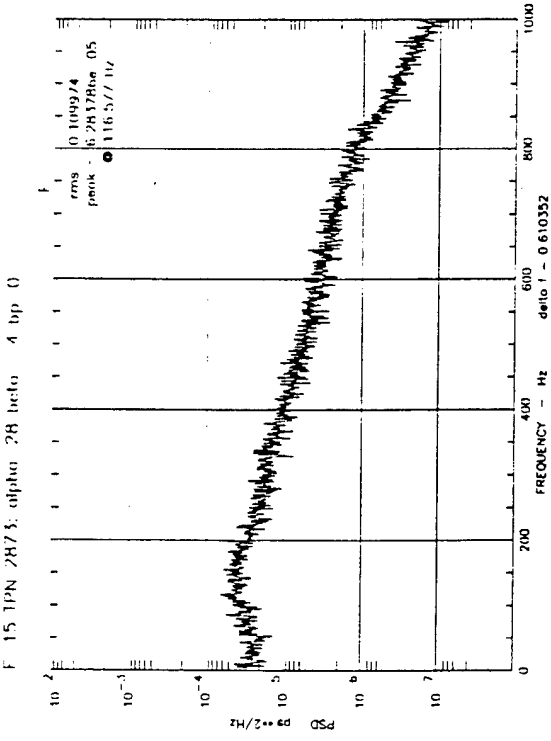


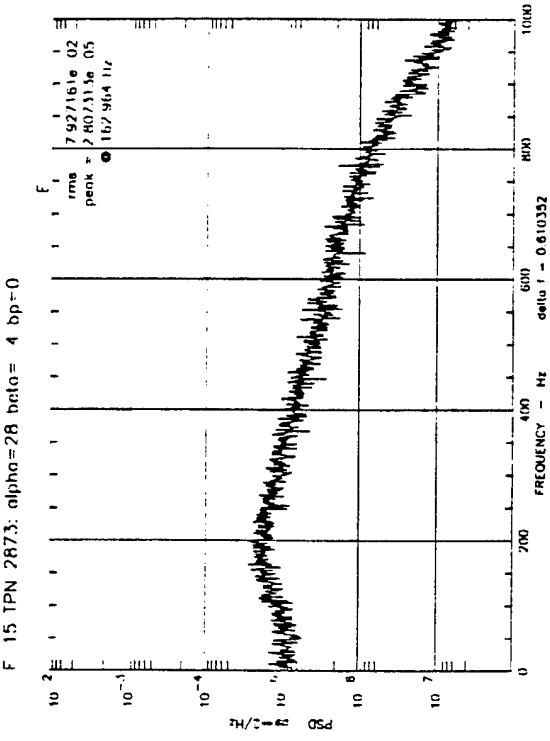
F 15 TPN 2873: alpha=28 beta= 4 bp=0

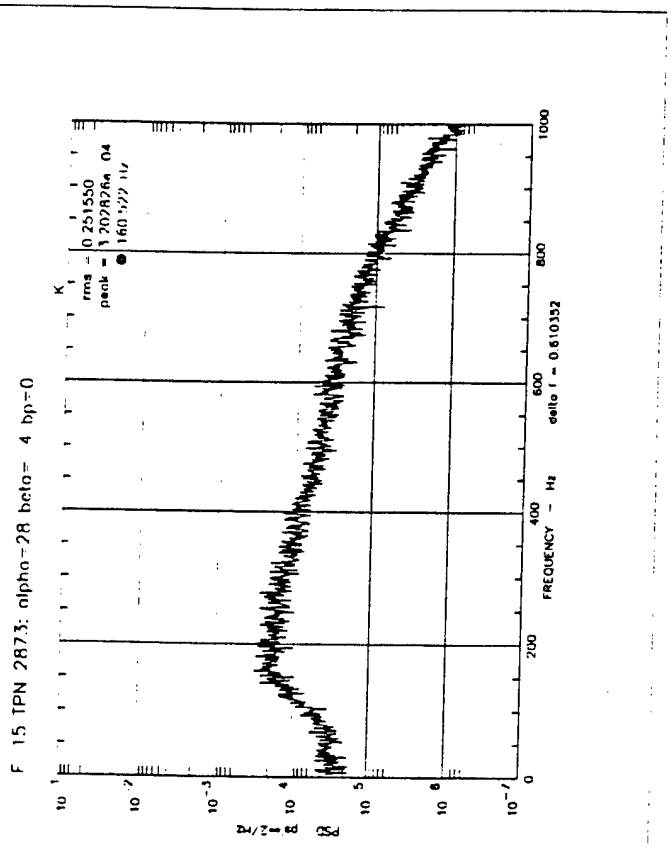


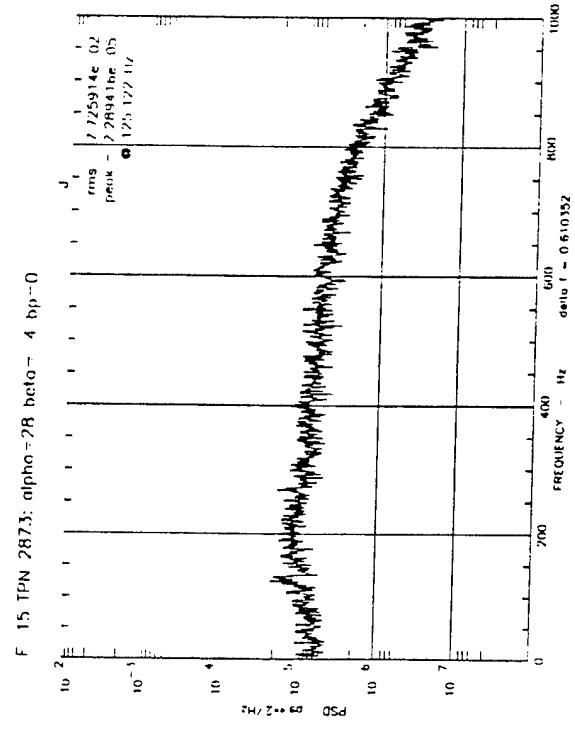

F 15 TPN 2873: alpha=28 beta= 4 bp=0
H
rms = 8.833934e 02
peak = 3.155616e 05
@ 253.906 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

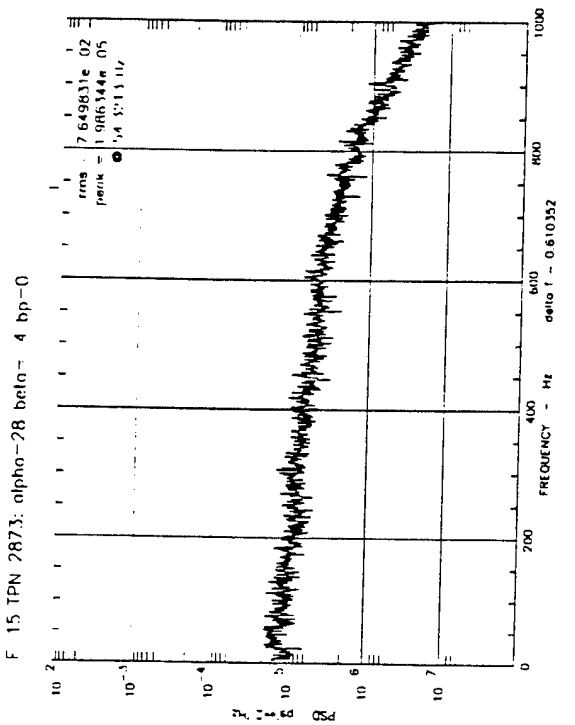

F 15 TPN 2873: alpha=28 beta= 4 bp=0
G
rms = 0.111383
peak = 6.960717e 05
@ 169.819 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

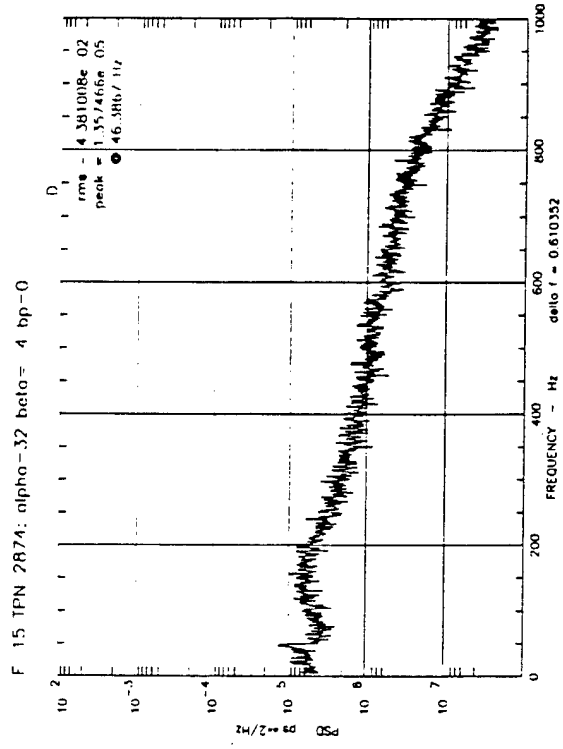

F 15 TPN 2873: alpha=28 beta= 4 bp=0
F
rms = 0.109974
peak = 6.863788e 05
@ 116.577 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

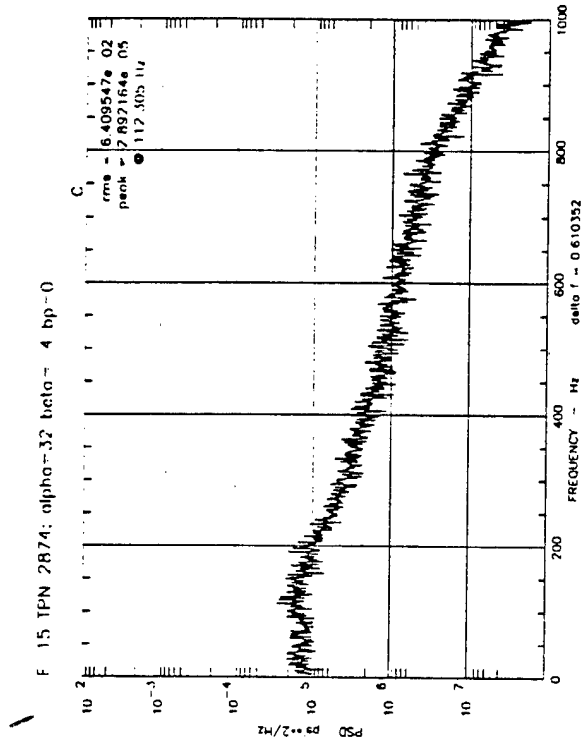

F 15 TPN 2873: alpha=28 beta= 4 bp=0
F
rms = 7.927161e 02
peak = 2.807315e 05
@ 167.964 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

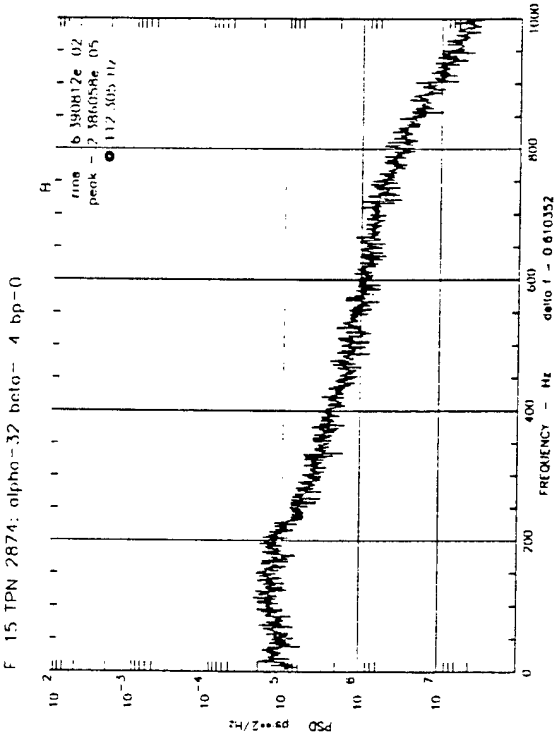

F 15 TPN 2873: alpha=28 beta= 4 bp=0
FREQUENCY - Hz
delta f = 0.610352

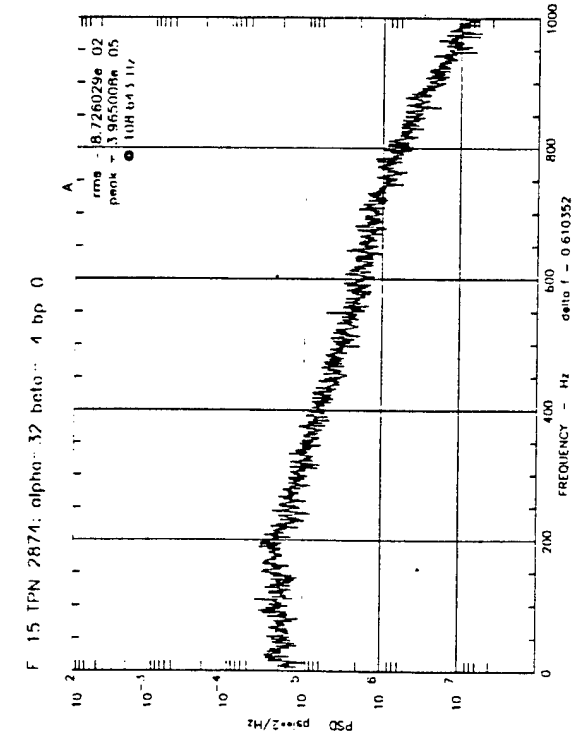

F 15 TPN 2873: alpha=28 beta= 4 bp=0
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2873: alpha=28 beta= 4 bp=0
FREQUENCY - Hz
delta f = 0.610352

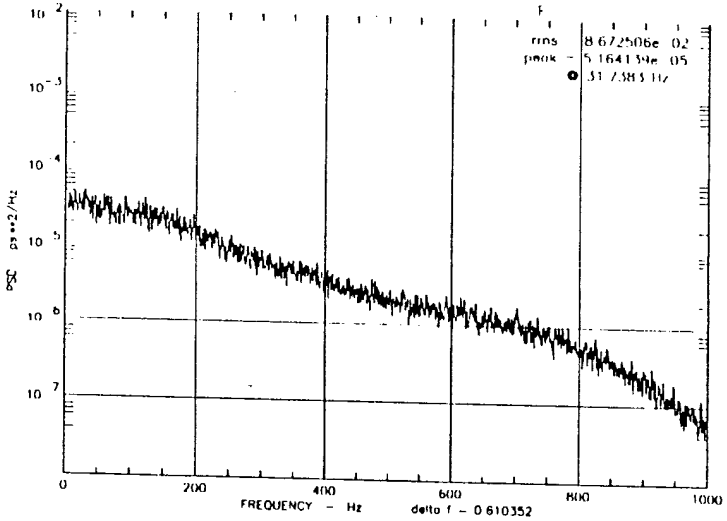

F 15 TPN 2874: alpha=32 beta= 4 bp=0
D
rms = 4.381008e 02
peak = 1.357466e 05
@ 46.386717
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2874: alpha=32 beta= 4 bp=0
C
rms = 6.409547e 02
peak = 7.892164e 05
@ 112.305 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

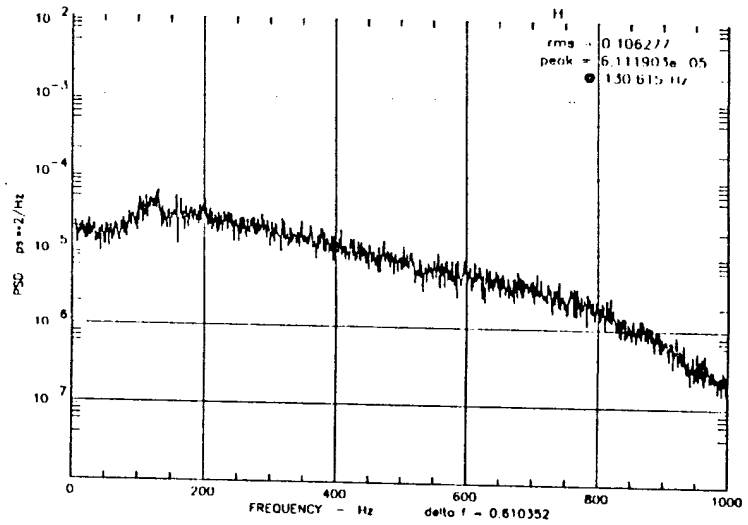

F 15 TPN 2874: alpha=32 beta= 4 bp=0
H
rms = 6.390812e 02
peak = 7.386058e 05
@ 112.305 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2874: alpha=32 beta= 4 bp=0
A
rms = 8.726029e 02
peak = 3.965008e 05
@ 108.643 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

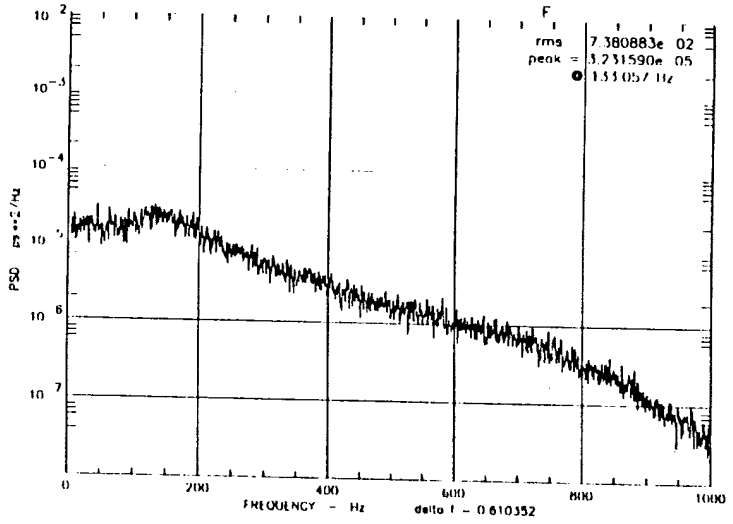
F 15 TPN 2874: alpha 32 beta= 4 bp 0



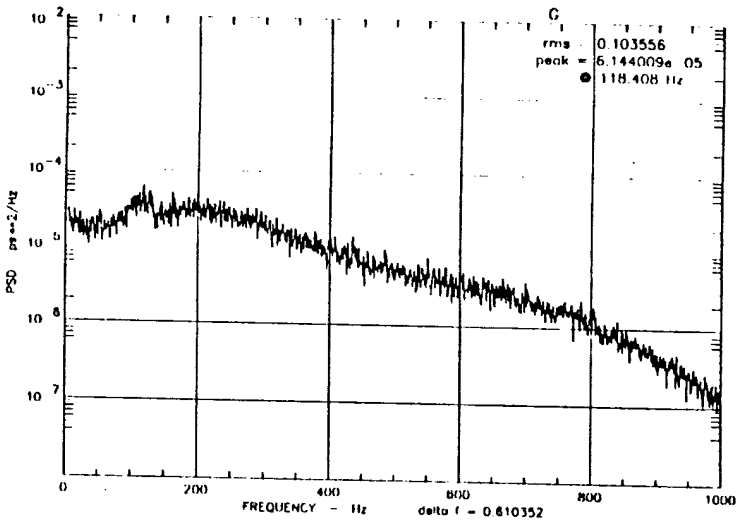
F 15 TPN 2874: alpha=32 beta= 4 bp=0

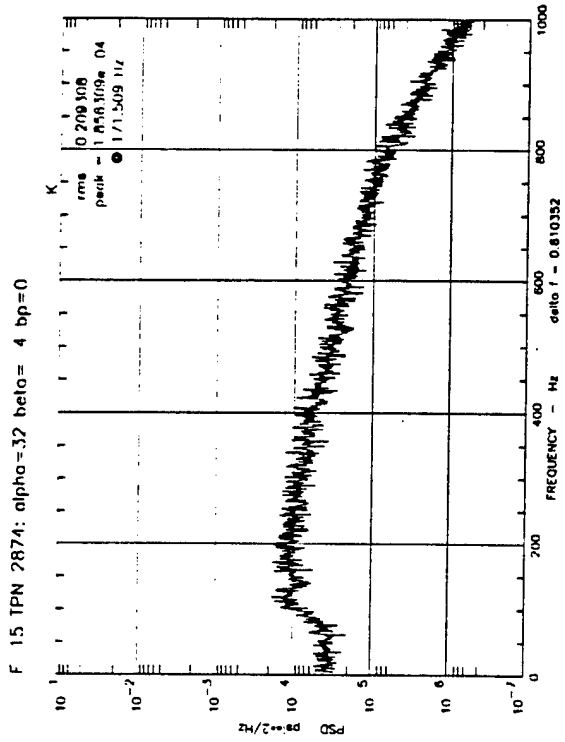


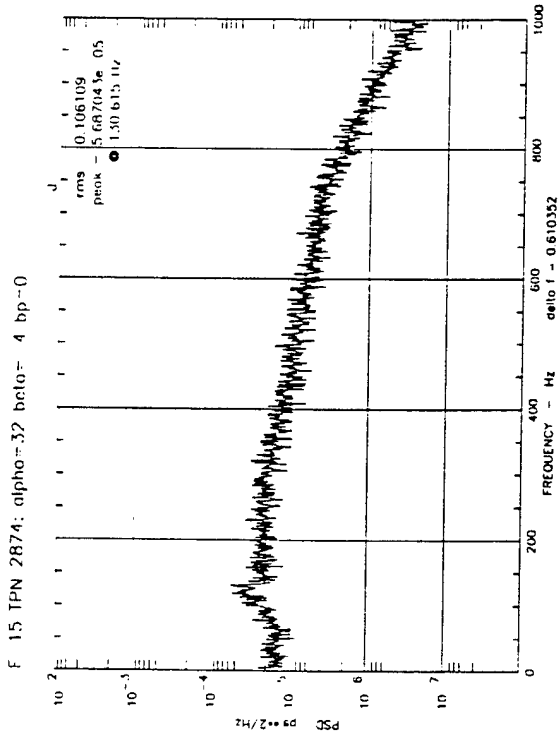
F 15 TPN_2874: alpha=32 beta= 4 bp=0

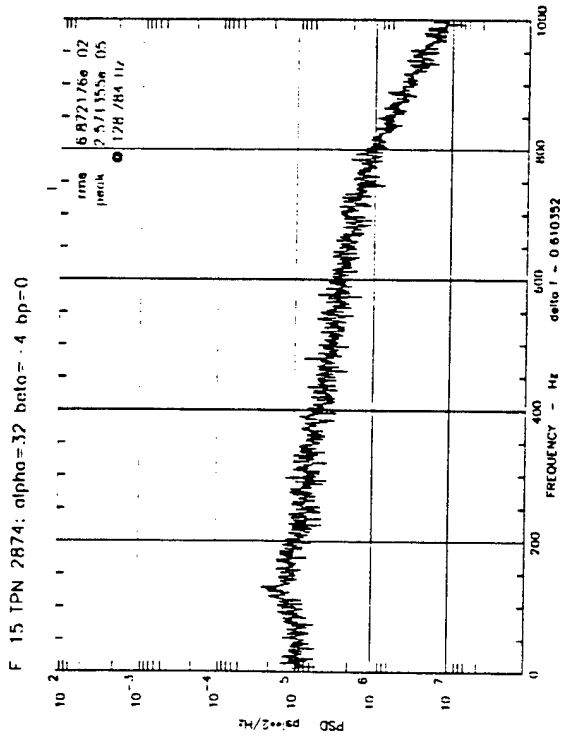


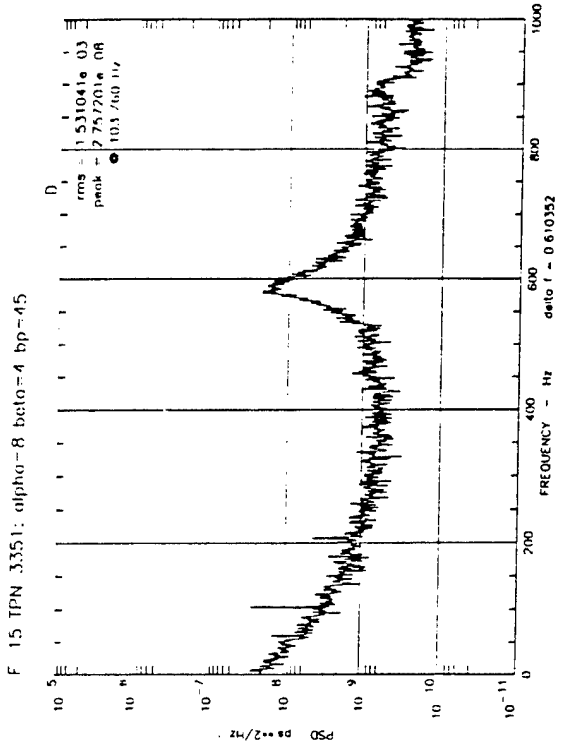
F 15 TPN_2874: alpha=32 beta= 4 bp=0

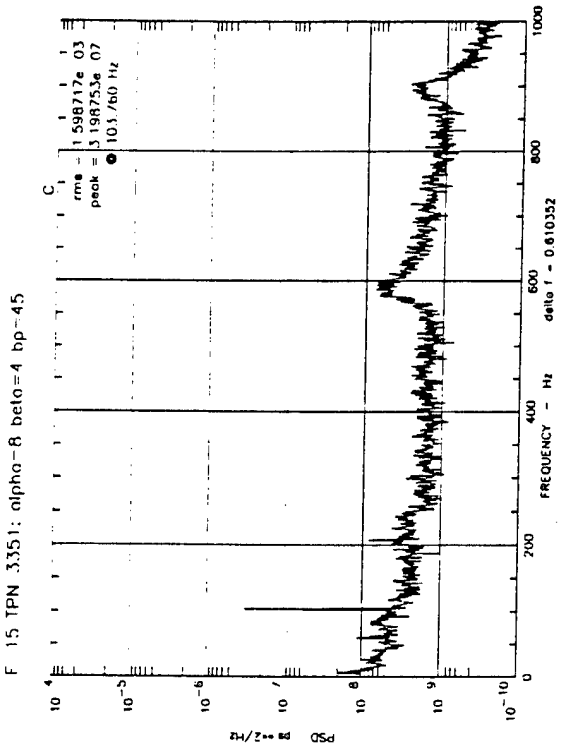


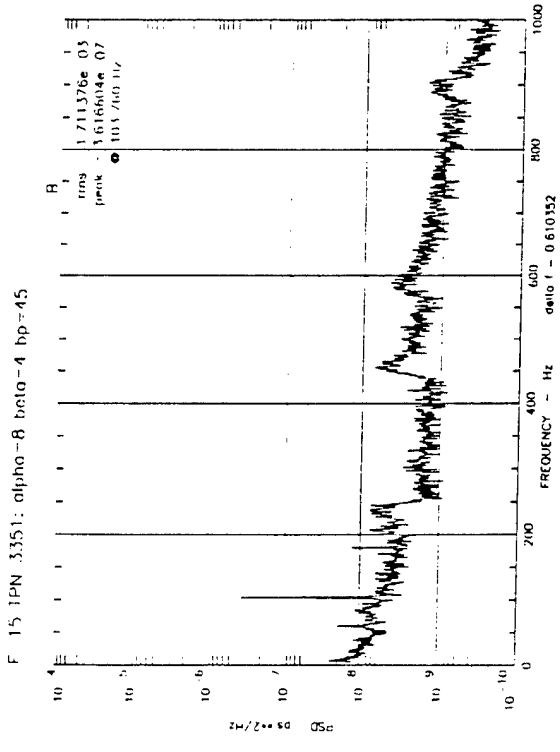

F 15 TPN 2874: alpha=.32 beta= 4 bp=0
FREQUENCY - Hz
delta f - 0.610352
PSD

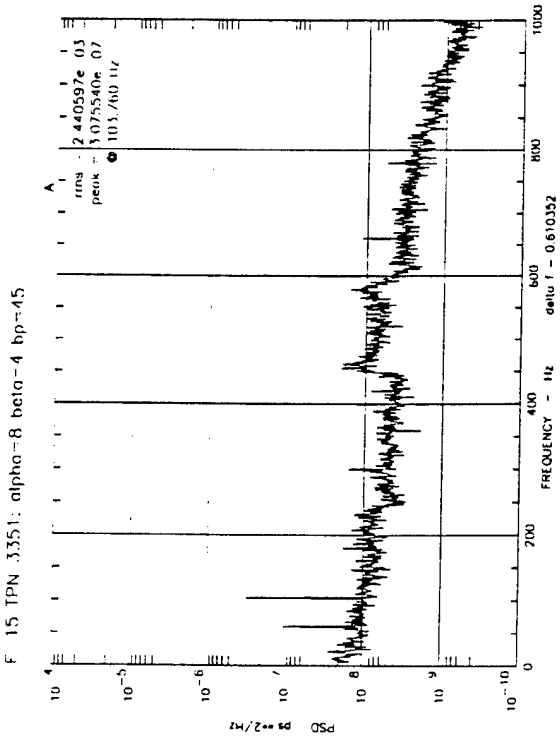

F 15 TPN 2874: alpha=.32 beta= 4 bp=0
FREQUENCY - Hz
delta f - 0.610352
PSD

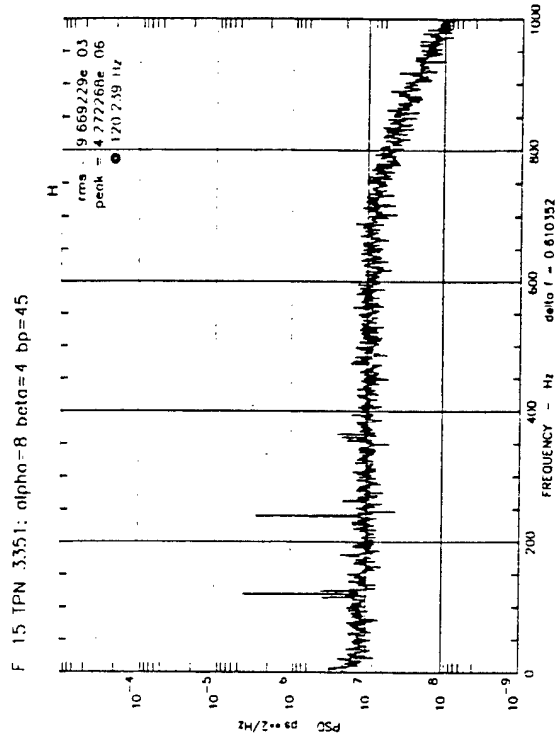

F 15 TPN 2874: alpha=.32 beta= 4 bp=0
FREQUENCY - Hz
delta f - 0.610352
PSD

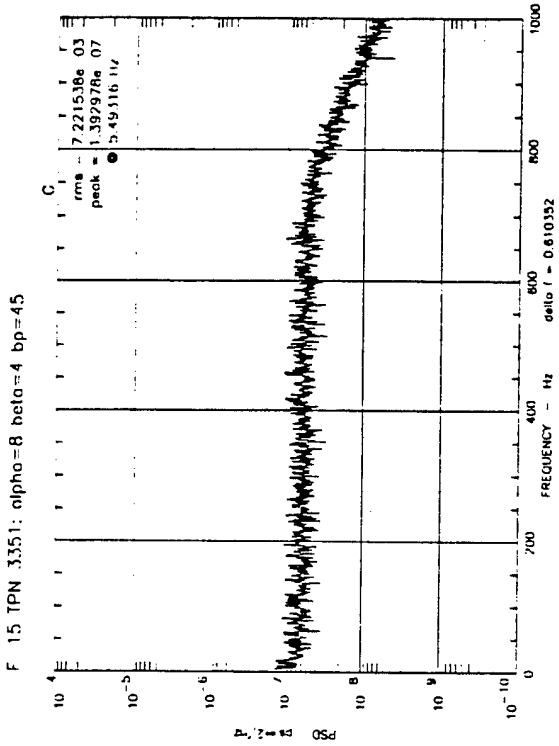

F 15 TPN 3351: alpha-8 beta=4 bp=45
D
rms = 1.531041e 03
peak = 2.757201e 08
@ 103.760 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

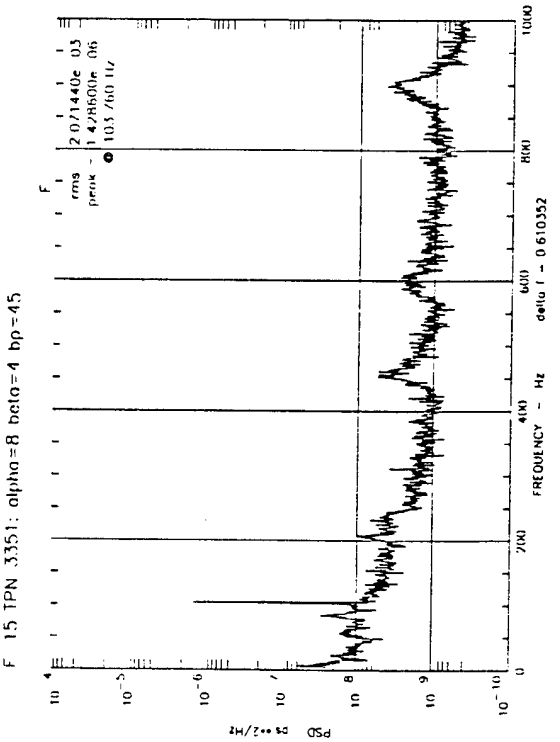

F 15 TPN 3351: alpha-8 beta=4 bp=45
C
rms = 1.598717e 03
peak = 3.198753e 07
@ 103.760 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

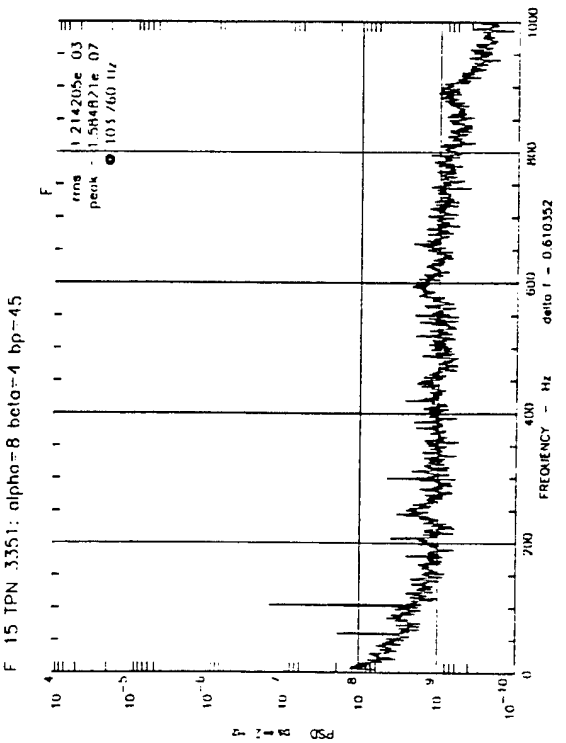

F 15 TPN 3351: alpha-8 beta=4 bp=45
B
rms = 1.711376e 03
peak = 3.616604e 07
@ 103.760 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3351: alpha-8 beta=4 bp=45
A
rms = 2.440597e 03
peak = 5.075540e 07
@ 103.760 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

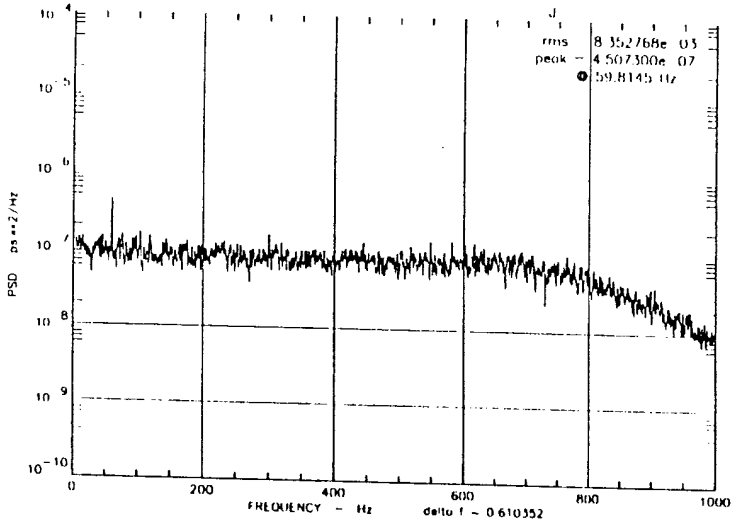

F 15 TPN 3351: alpha=8 beta=4 bp=45
H
rms = 9.669229e 03
peak = 4.772268e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3351: alpha=8 beta=4 bp=45
C
rms = 7.221538e 03
peak = 1.392978e 07
@ 5.493116 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

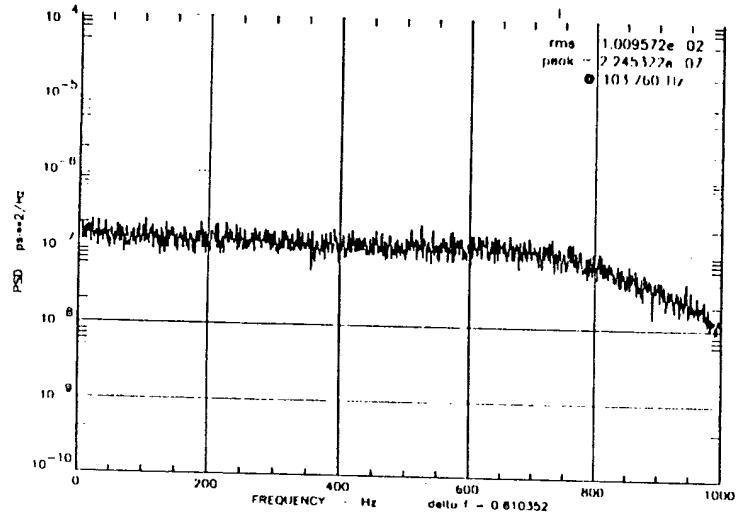

F 15 TPN 3351: alpha=8 beta=4 bp=45
F
rms = 2.071440e 03
peak = 1.428600e 06
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3351: alpha=8 beta=4 bp=45
F
rms = 1.214205e 03
peak = 1.584821e 07
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

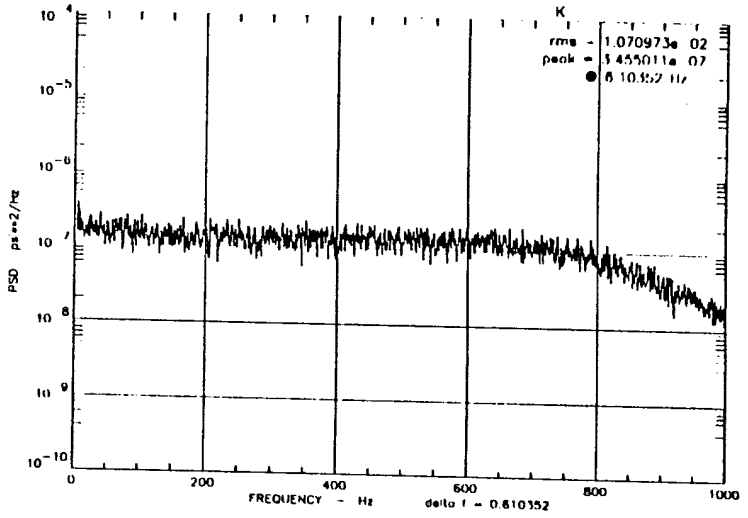
F 15 TPN 3351: alpha=8 beta=4 bp=45

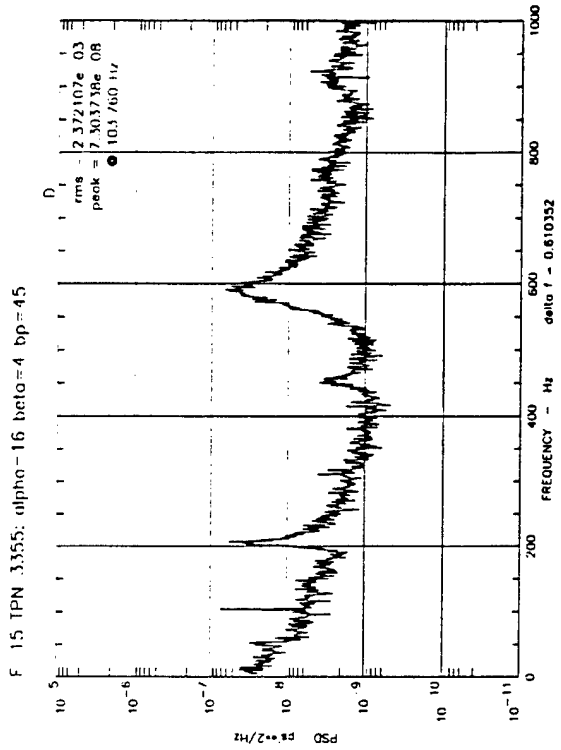


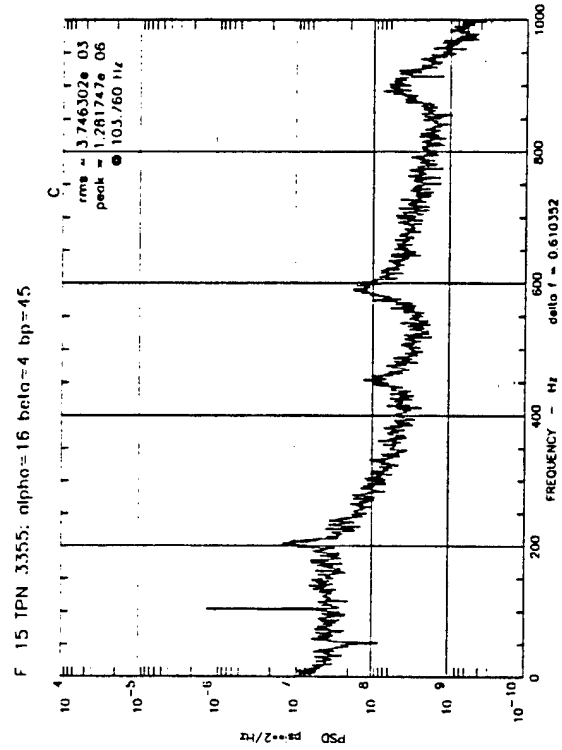
F 15 TPN 3351: alpha=8 beta=4 bp=45

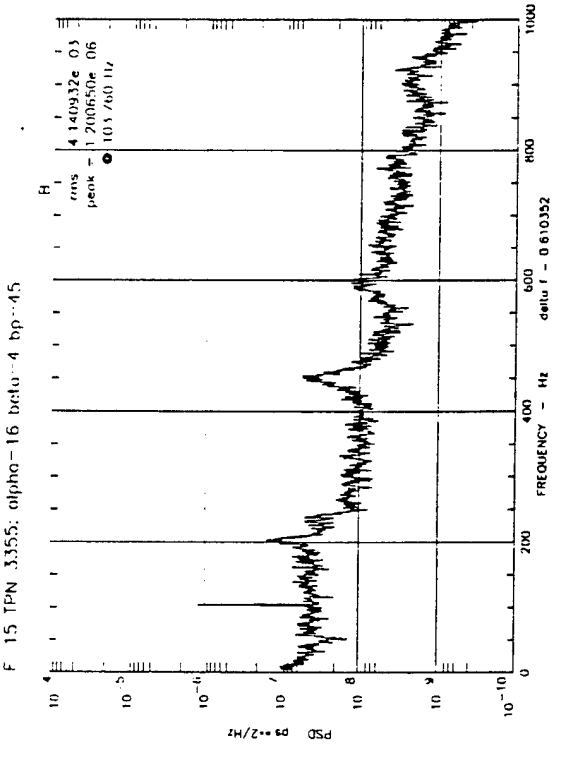


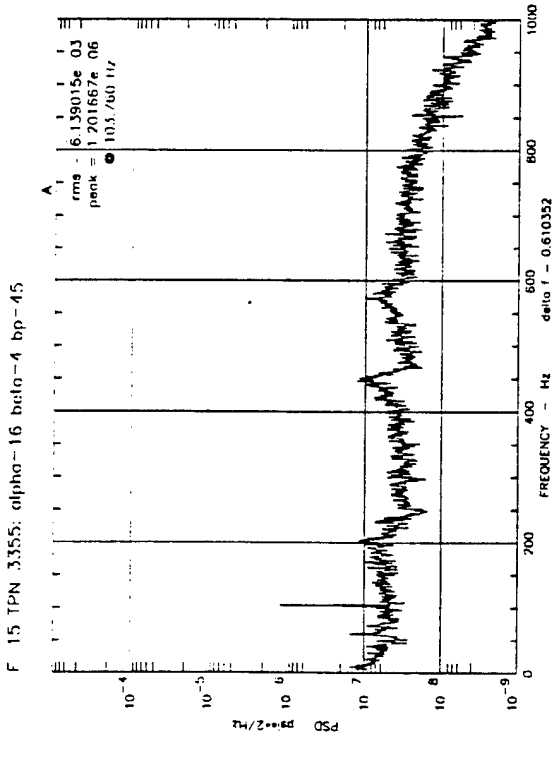
F 15 TPN 3351: alpha=8 beta=4 bp=45

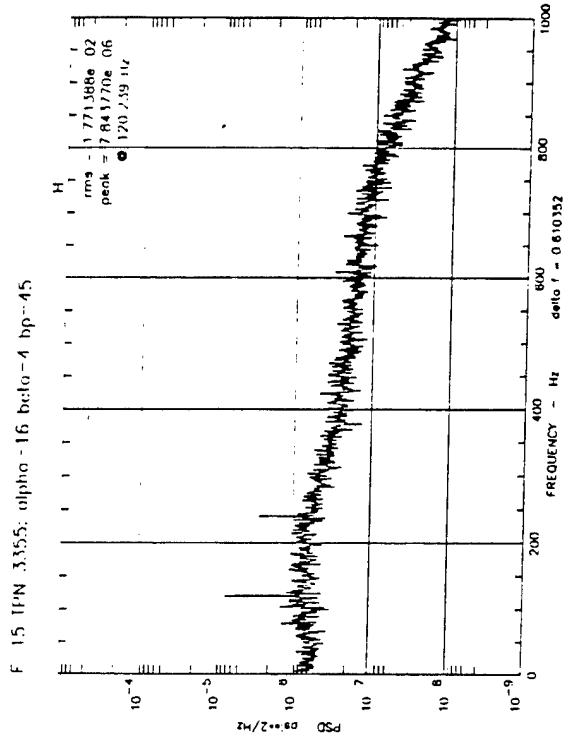


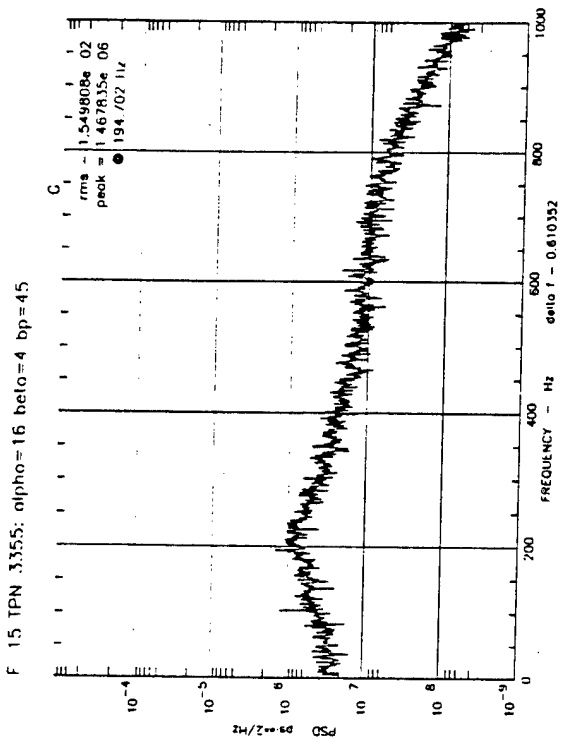

F 15 TPN 3355: alpha=16 beta=4 bp=45
D
rms = 2.372107e 03
peak = 7.303798e 08
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

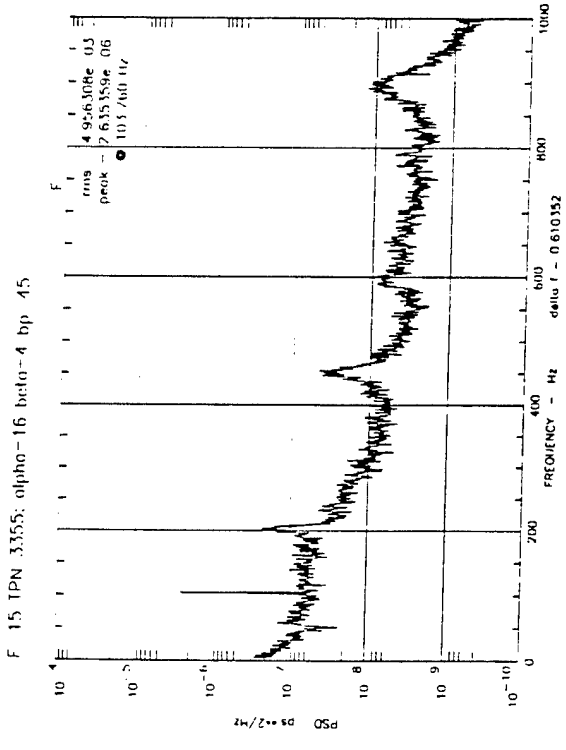

F 15 TPN 3355: alpha=16 beta=4 bp=45
C
rms = 3.746302e 03
peak = 1.281747e 06
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

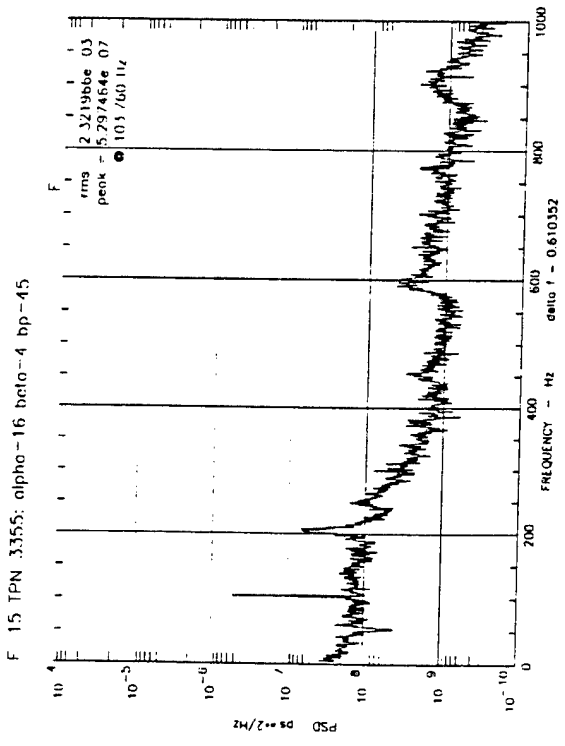

F 15 TPN 3355: alpha=16 beta=4 bp=45
H
rms = 4.140932e 03
peak = 1.200650e 06
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

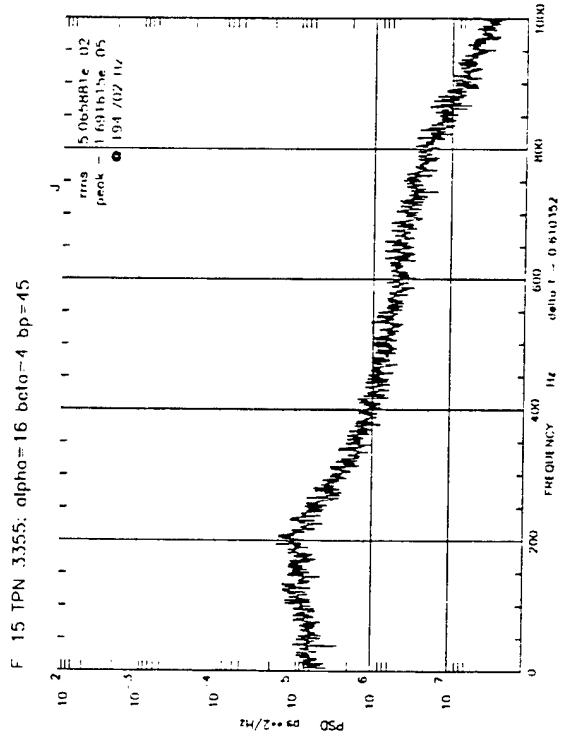

F 15 TPN 3355: alpha=16 beta=4 bp=45
A
rms = 6.139015e 03
peak = 1.201667e 06
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

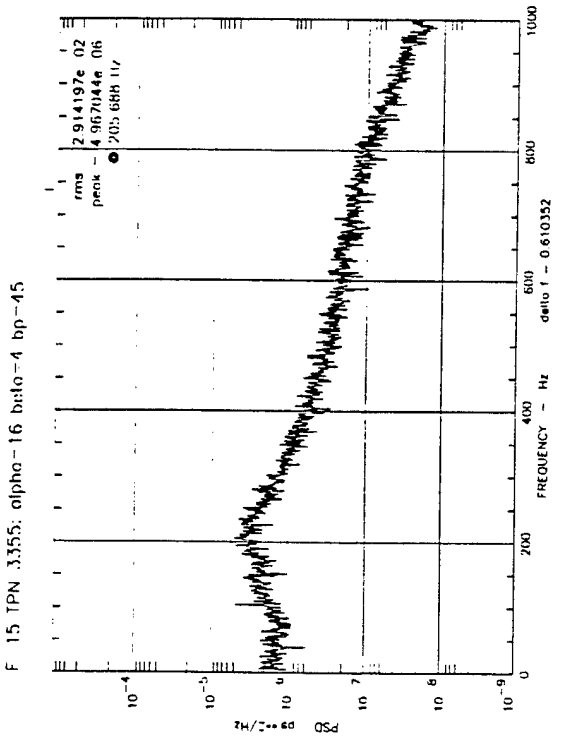

F 15 TPN 3355: alpha -16 beta-4 bp-45
H
rms = 1.771388e 02
peak = 7.843770e 06
@ 170.459 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

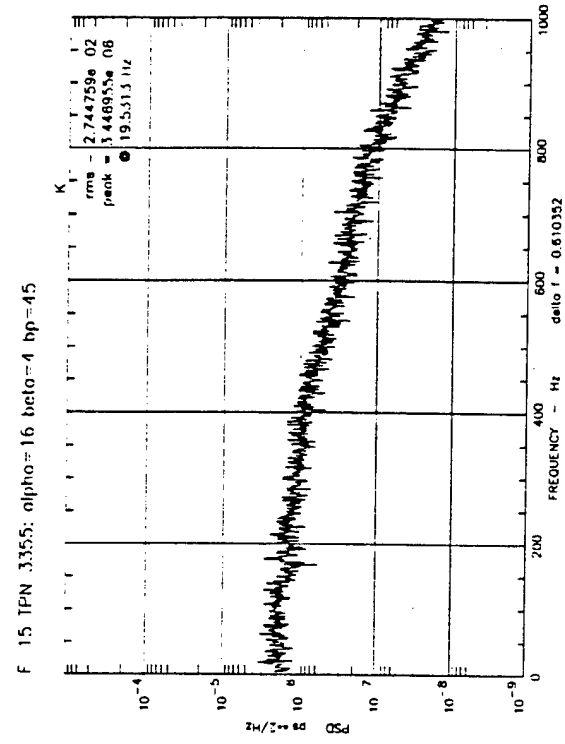

F 15 TPN 3355: alpha=16 beta=4 bp=45
G
rms = 1.549808e 02
peak = 1.467835e 06
@ 194.702 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

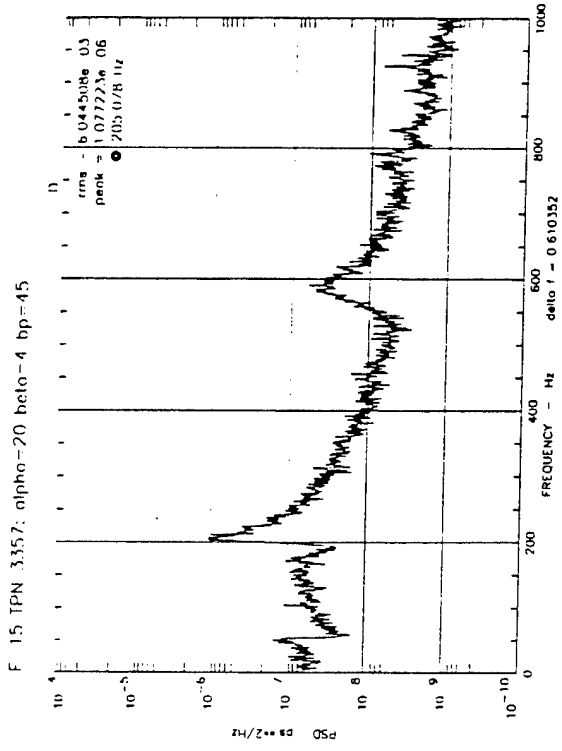

F 15 TPN 3355: alpha-16 beta-4 bp 45
F
rms = 4.956308e 03
peak = 7.635559e 06
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

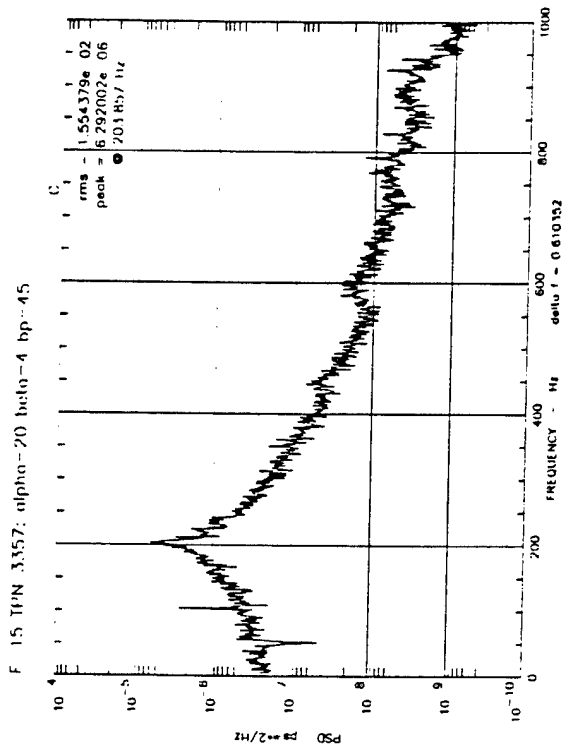

F 15 TPN 3355: alpha-16 beta-4 bp-45
F
rms = 2.321986e 03
peak = 5.297464e 07
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

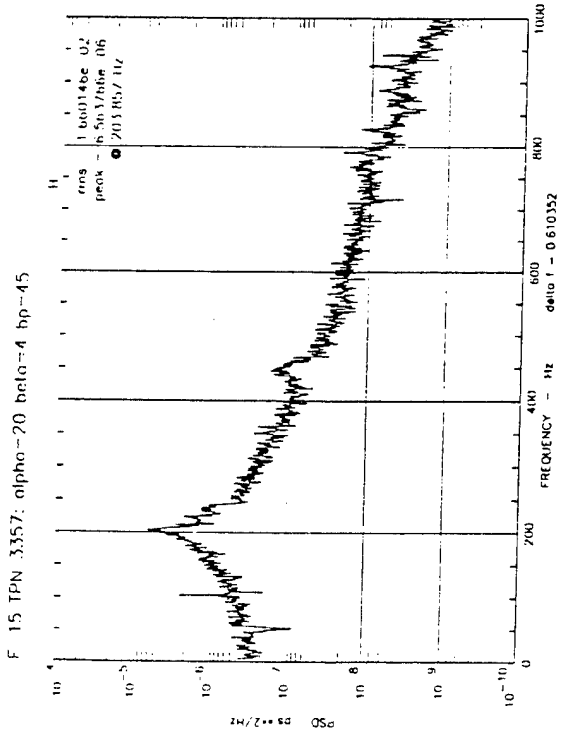

F 15 TPN .3355: alpha=16 beta=4 bp=45
PSD
FREQUENCY - Hz

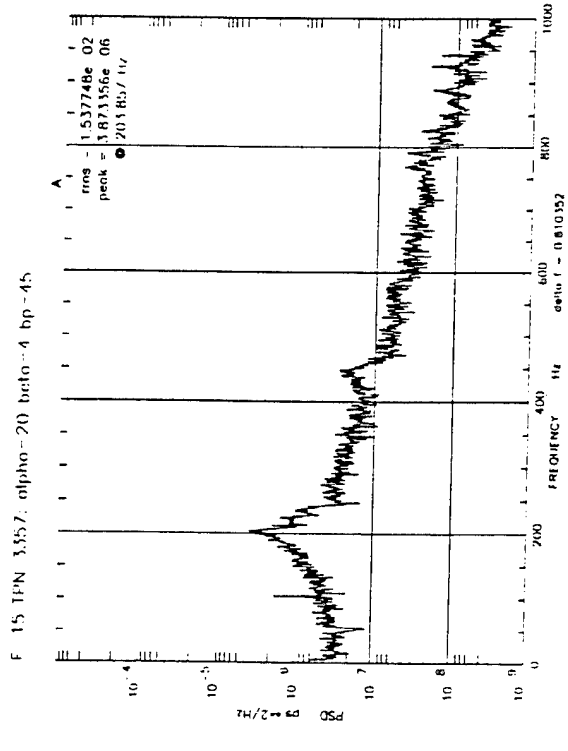

F 15 TPN .3355: alpha=16 beta=4 bp=45
PSD
FREQUENCY - Hz

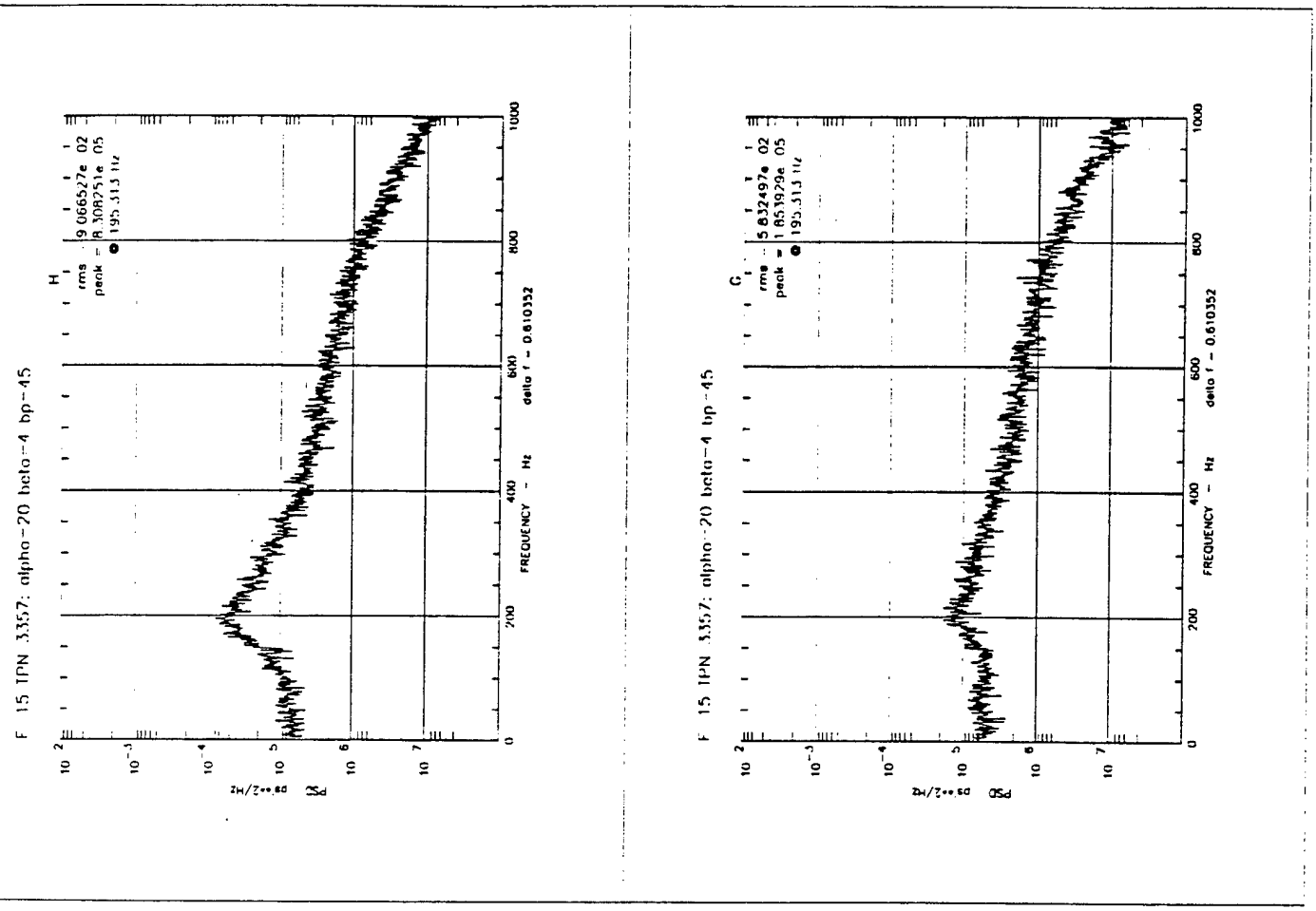

F 15 TPN .3355: alpha=16 beta=4 bp=45
PSD
FREQUENCY - Hz

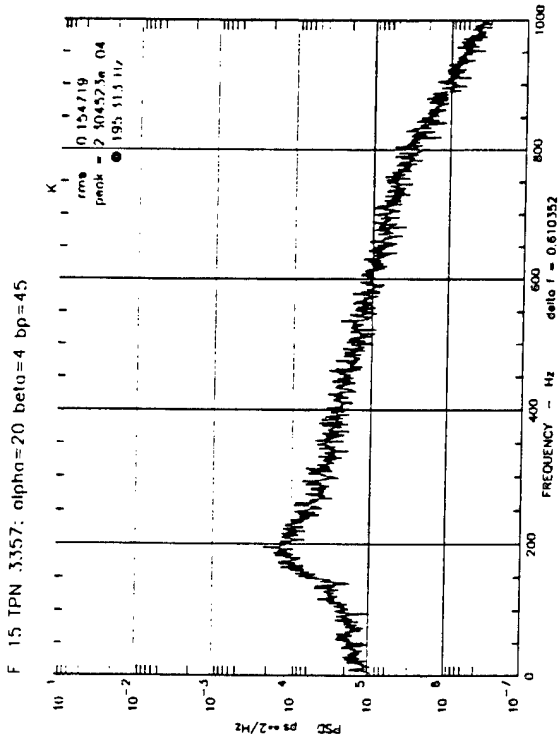

F 15 TPN 3357: alpha=20 beta=4 bp=45
D
rms = 6.044508e 03
peak = 1.077223e 06
@ 203.078 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

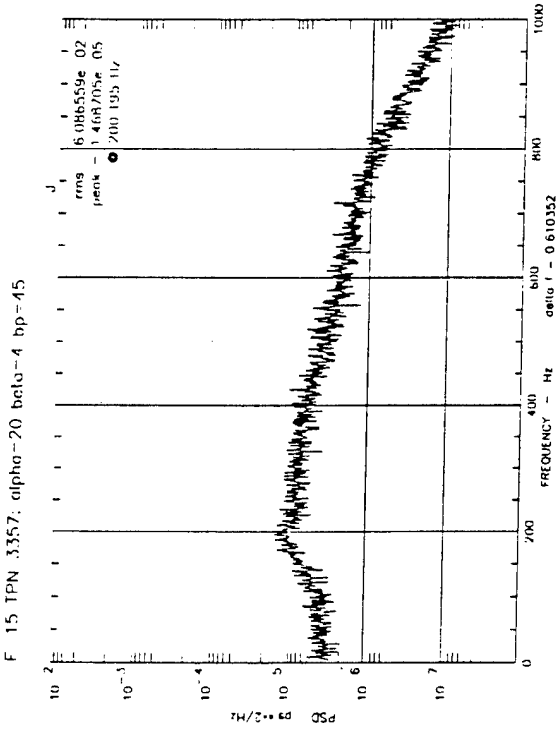

F 15 TPN 3357: alpha=20 beta=4 bp=45
C
rms = 1.554379e 02
peak = 6.792002e 06
@ 203.857 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

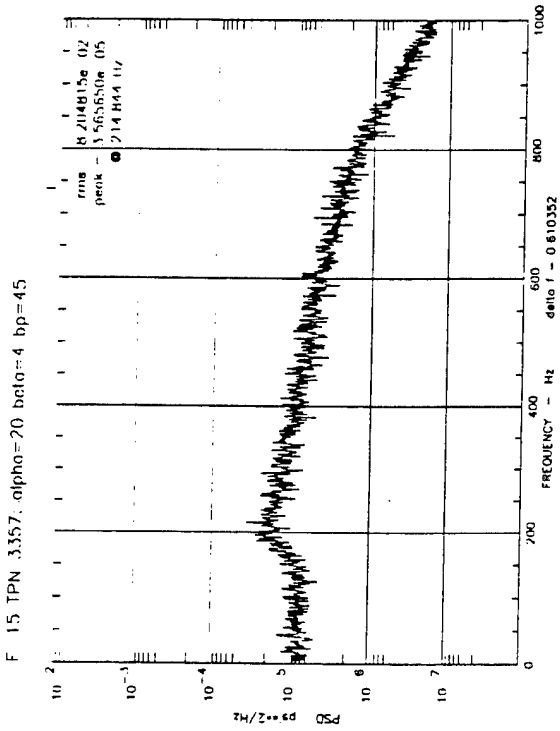

F 15 TPN 3357: alpha=20 beta=4 bp=45
H
rms = 1.660146e 02
peak = 6.515768e 06
@ 203.857 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

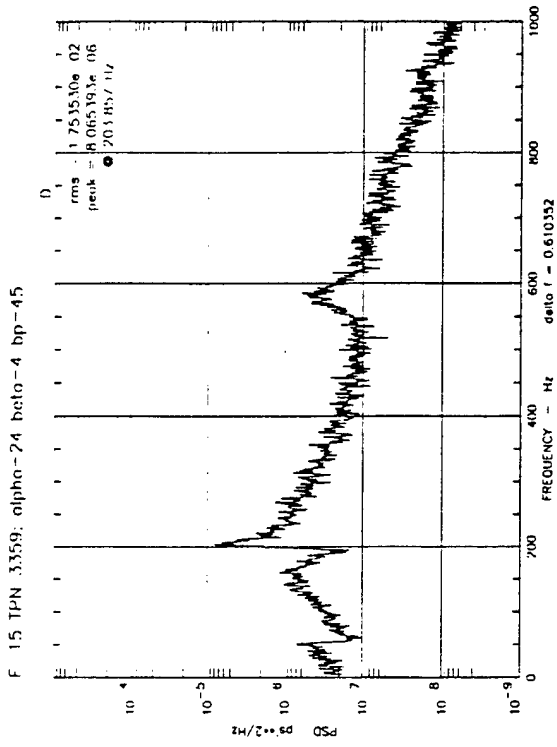

F 15 TPN 3357: alpha=20 beta=4 bp=45
A
rms = 1.537748e 02
peak = 3.871356e 06
@ 203.857 Hz
PSD ps**2/Hz
FREQUENCY Hz
delta f = 0.610352

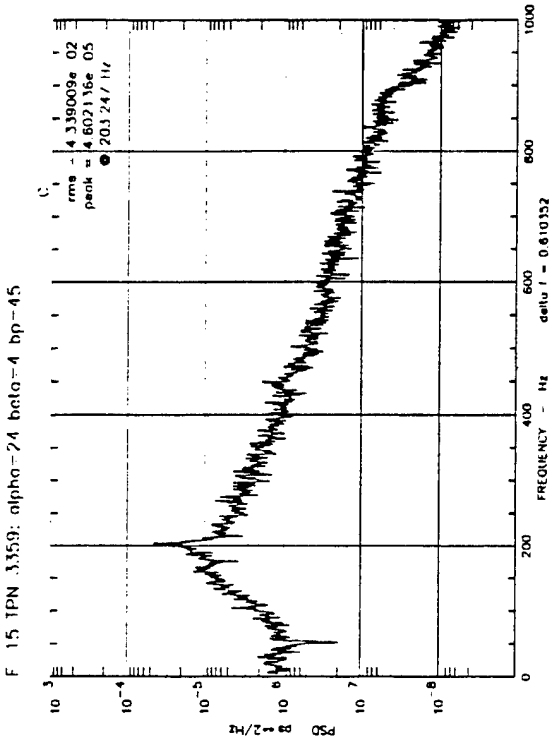

F 15 IPN 3357: alpha=20 beta=4 bp=45
H
rms 9.066527e 02
peak = 8.308751e 05
@ 195.313 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 IPN 3357: alpha=20 beta=4 bp=45
G
rms 5.832497e 02
peak = 1.853929e 05
@ 195.313 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 IPN 3357: alpha=20 beta=4 bp=45
F
rms 2.163867e 02
peak = 1.046570e 05
@ 20.1465 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 IPN 3357: alpha=20 beta=4 bp=45
F
rms 9.665391e 03
peak = 3.152052e 06
@ 20.1465 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

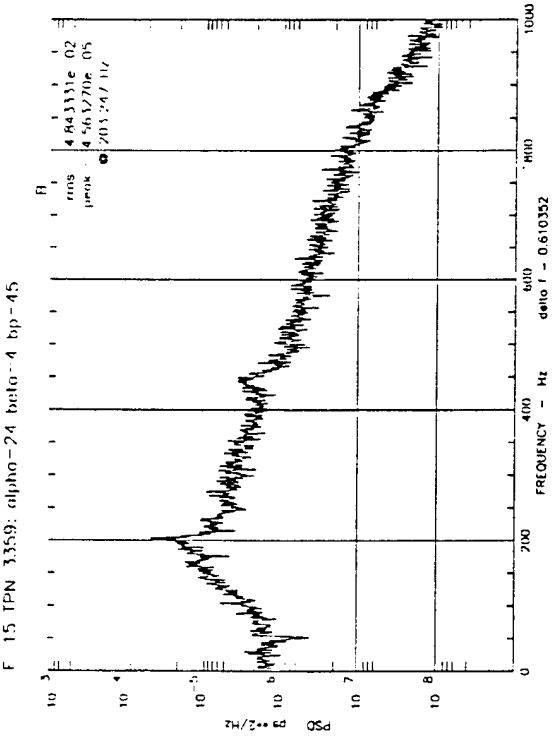

F 15 TPN 3357: alpha=20 beta=4 bp=45
FREQUENCY - Hz
delta f = 0.610352
PSD

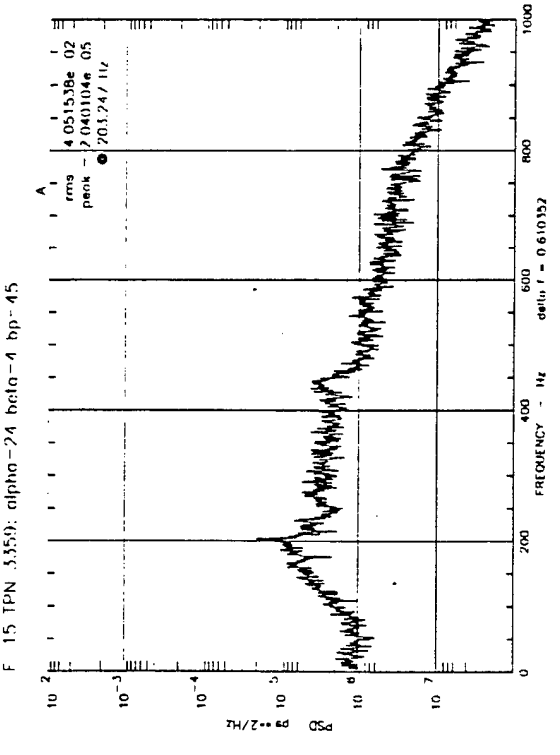

F 15 TPN 3357: alpha=20 beta=4 bp=45
FREQUENCY - Hz
delta f = 0.610352
PSD

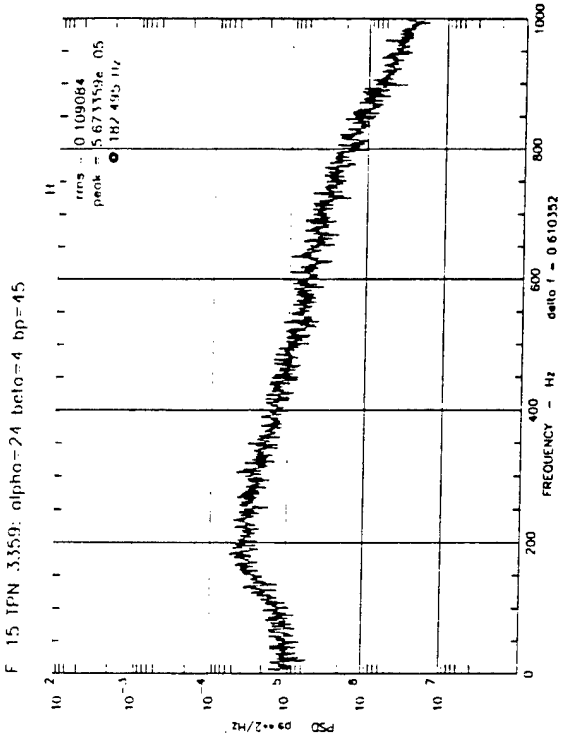

F 15 TPN 3357: alpha=20 beta=4 bp=45
FREQUENCY - Hz
delta f = 0.610352
PSD

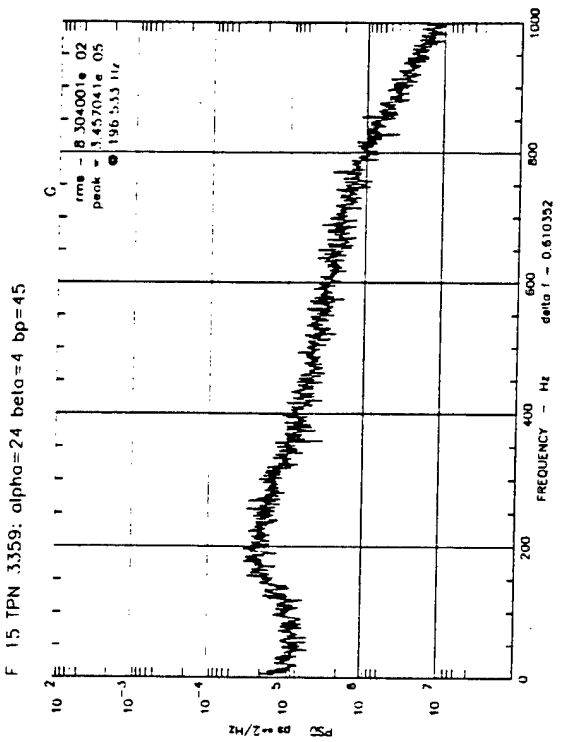

F 15 TPN 3359: alpha-24 beta-4 bp-45
D
rms = 1.753530e 02
peak = 8.065393e 06
@ 203.247 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

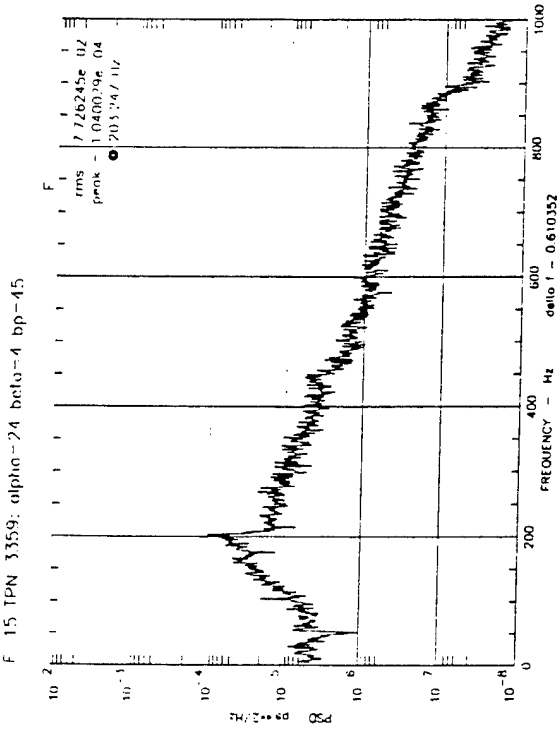

F 15 TPN 3359: alpha-24 beta-4 bp-45
C
rms = 4.339009e 02
peak = 4.602116e 05
@ 203.247 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

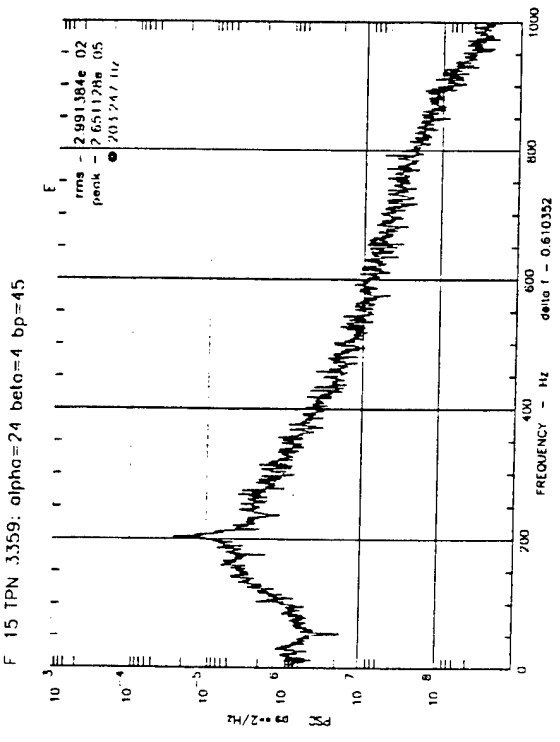

F 15 TPN 3359: alpha-24 beta-4 bp-45
B
rms = 4.843131e 02
peak = 4.561270e 05
@ 203.247 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

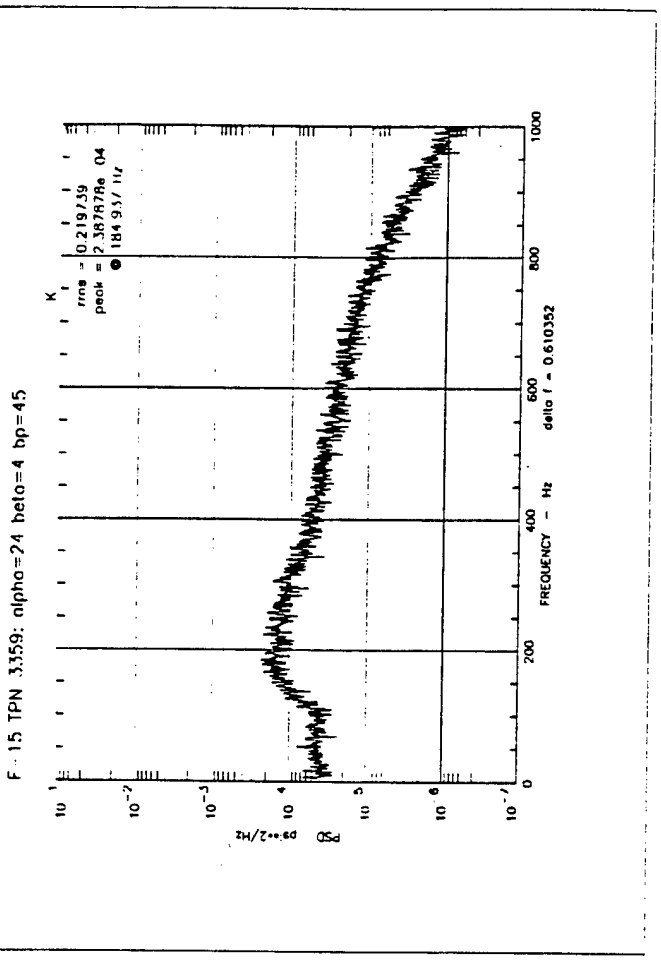

F 15 TPN 3359: alpha-24 beta-4 bp-45
A
rms = 4.051538e 02
peak = 2.040104e 05
@ 203.247 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

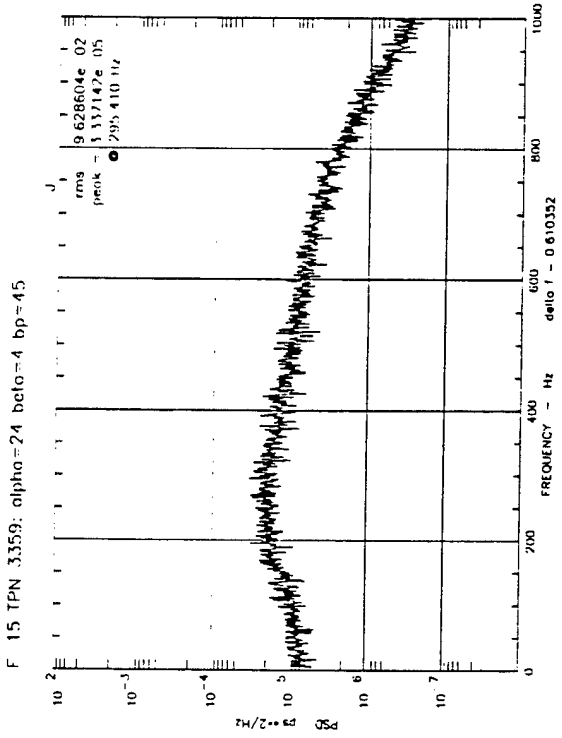

F 15 TPN 3359: alpha=24 beta=4 bp=45
H
rms = 0.109084
peak = 5.671359e 05
@ 182.495 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

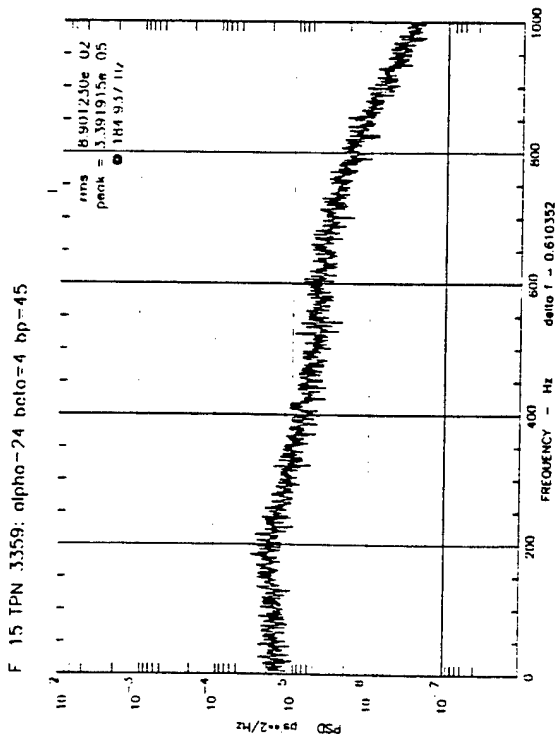

F 15 TPN 3359: alpha=24 beta=4 bp=45
G
rms = 8.304001e 02
peak = 1.457041e 05
@ 196.533 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

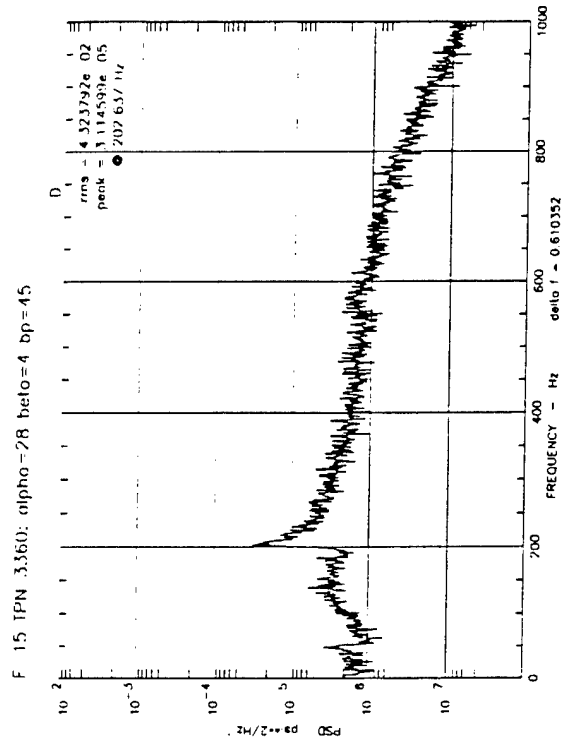

F 15 TPN 3359: alpha=24 beta=4 bp=45
F
rms = 7.726245e 02
peak = 1.040079e 04
@ 203.247 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

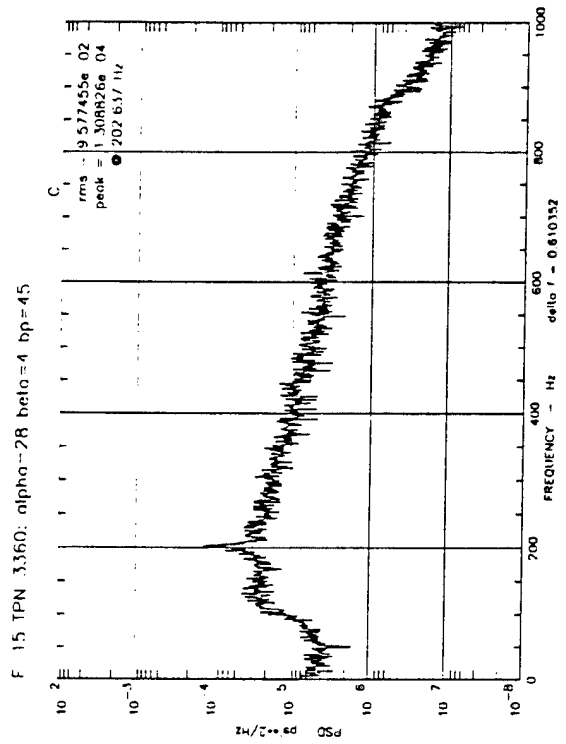

F 15 TPN 3359: alpha=24 beta=4 bp=45
E
rms = 2.991384e 02
peak = 2.651128e 05
@ 203.247 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

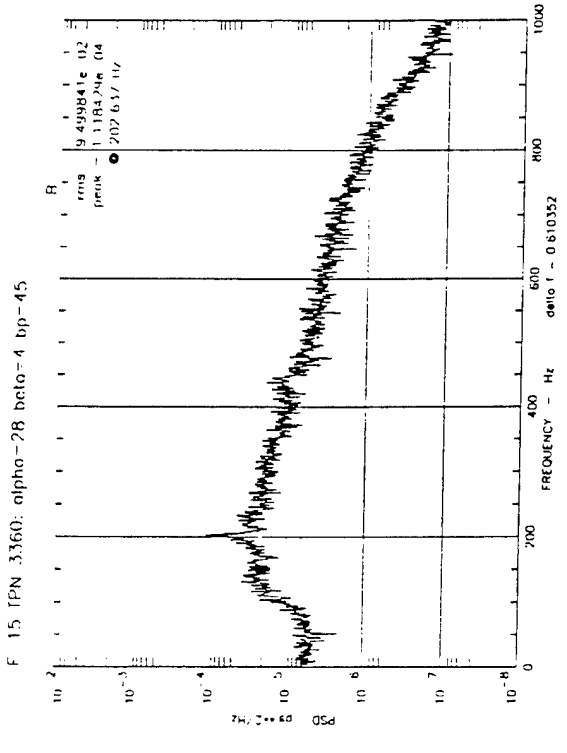

F 15 TPN 3359: alpha=24 beta=4 bp=45
K
rms = 0.219739
peak = 2.387878e 04
@ 184 937 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

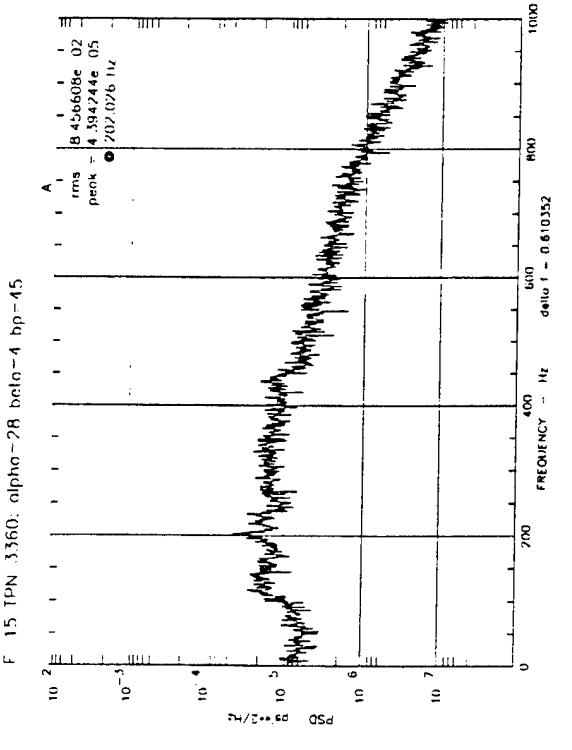

F 15 TPN 3359: alpha=24 beta=4 bp=45
J
rms = 9.628604e 02
peak = 1.157142e 05
@ 205.410 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

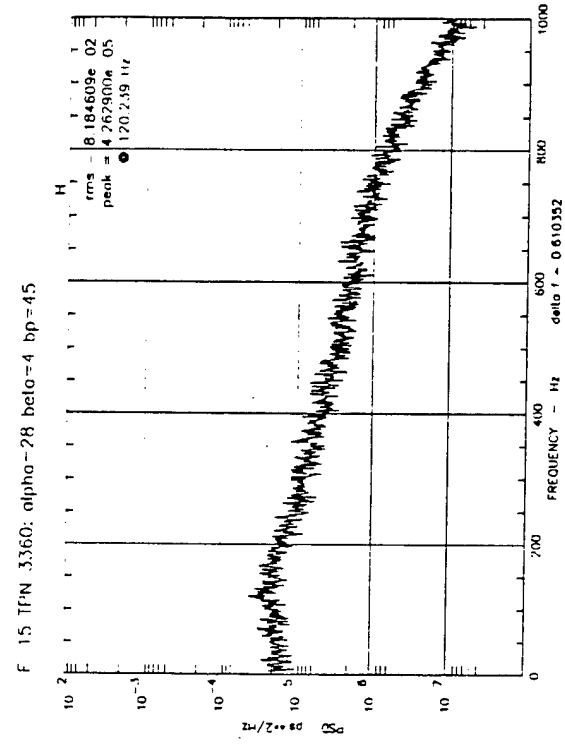

F 15 TPN 3359: alpha=24 beta=4 bp=45
rms = 8.901230e 02
peak = 3.391915e 05
@ 184 937 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

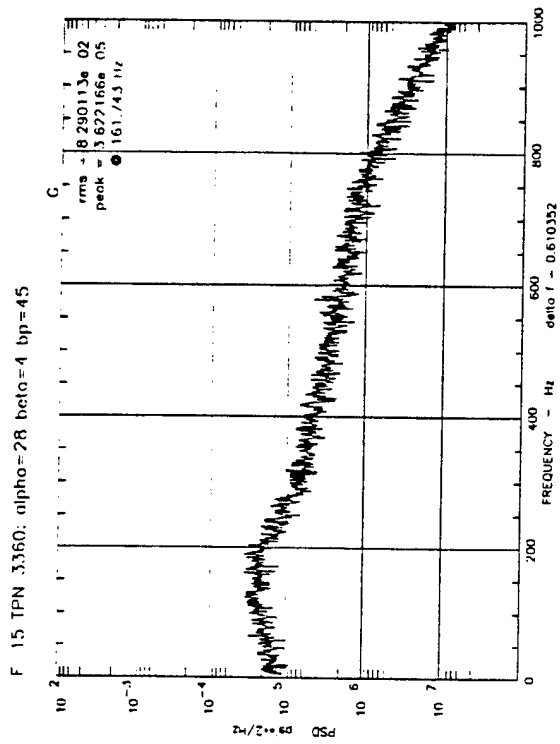

F 15 TPN 3360: alpha=28 beta=4 bp=45
D
rms = 4.523792e 02
peak = 3.114598e 05
@ 202.637 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

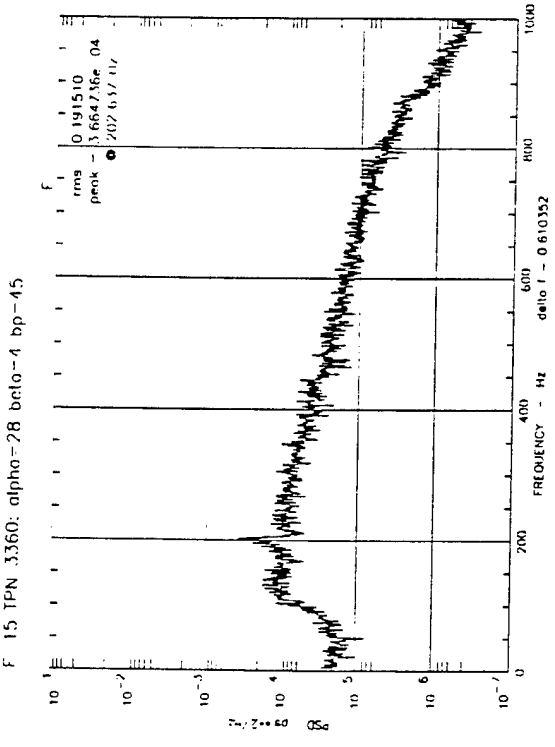

F 15 TPN 3360: alpha=28 beta=4 bp=45
C
rms = 9.577455e 02
peak = 1.308826e 04
@ 202.637 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

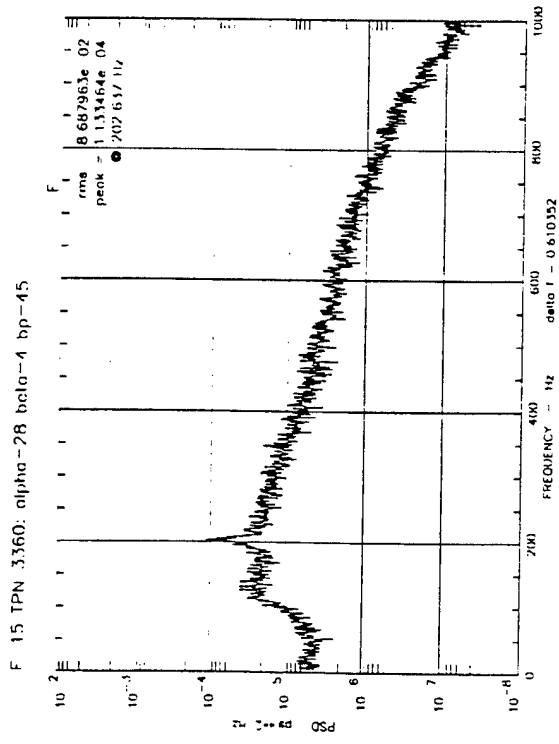

F 15 TPN 3360: alpha=28 beta=4 bp=45
B
rms = 9.499841e 02
peak = 1.118434e 04
@ 202.637 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

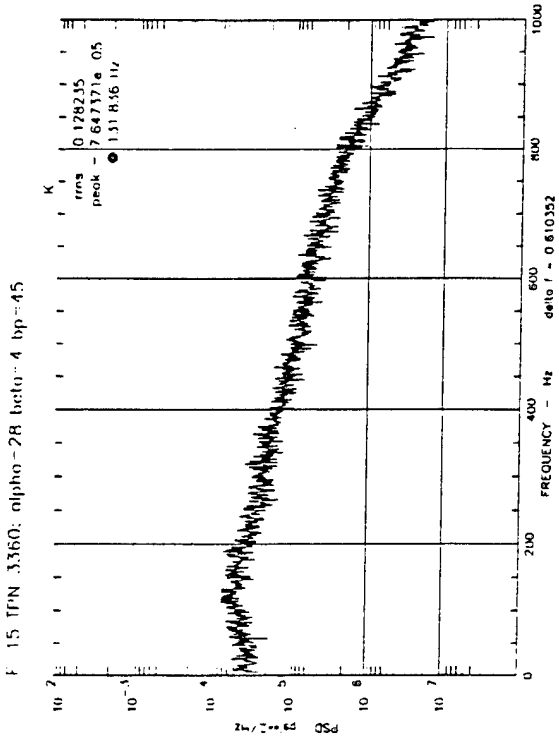

F 15 TPN 3360: alpha=28 beta=4 bp=45
A
rms = 8.456608e 02
peak = 4.394244e 05
@ 202.026 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

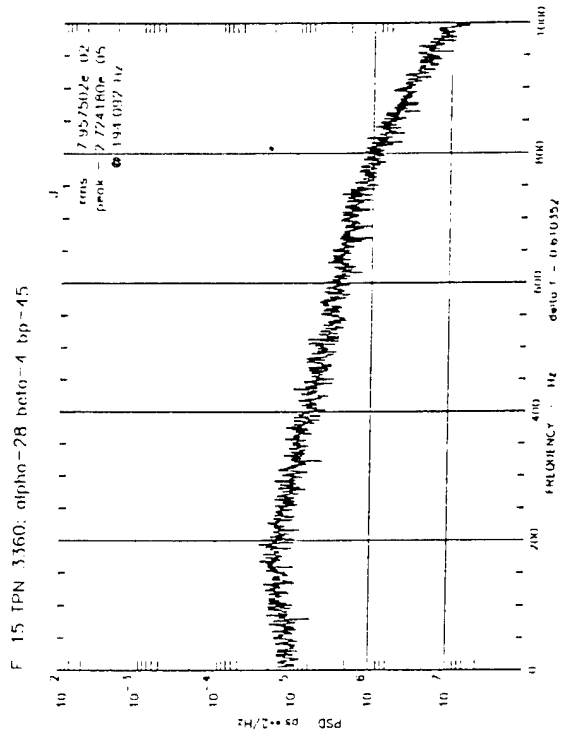

F 15 TFN 3360: alpha=28 beta=4 bp=45
H
rms = 8.184609e 02
peak = 4.267900e 05
@ 120.239 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

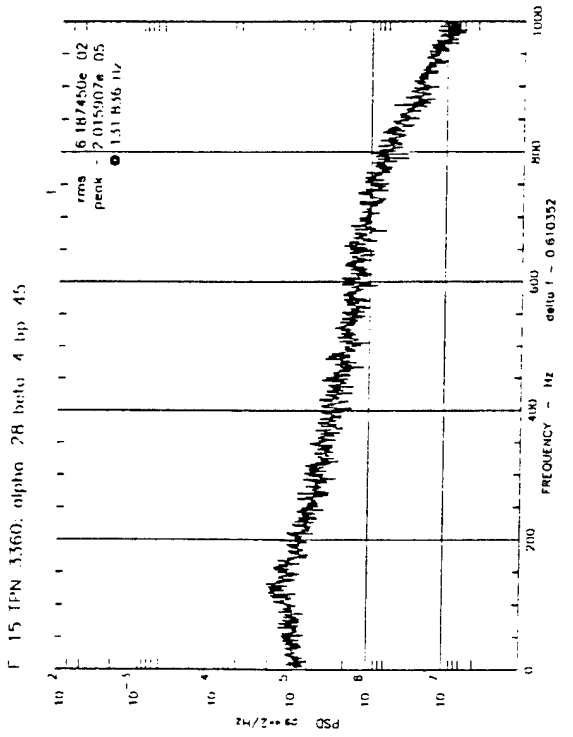

F 15 TPN 3360: alpha=28 beta=4 bp=45
G
rms = 8.290113e 02
peak = 3.627166e 05
@ 161.743 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

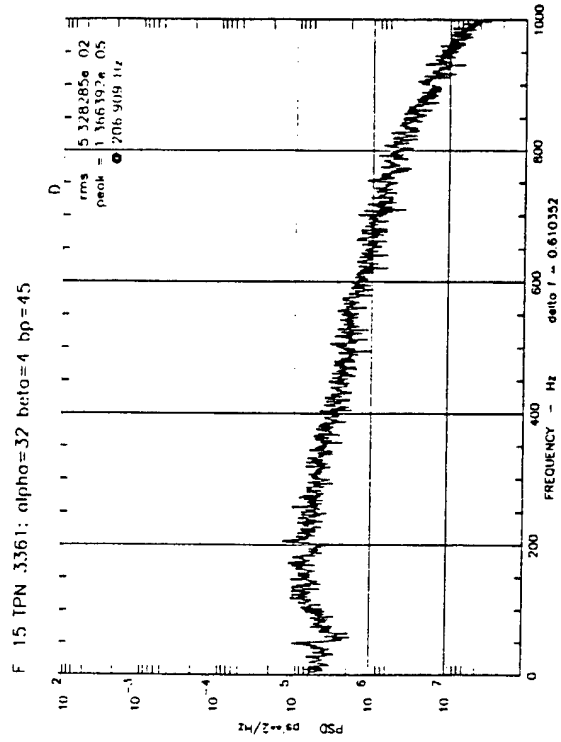

F 15 TFN 3360: alpha=28 beta=4 bp=45
F
rms = 0.191510
peak = 3.664736e 04
@ 202.637 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

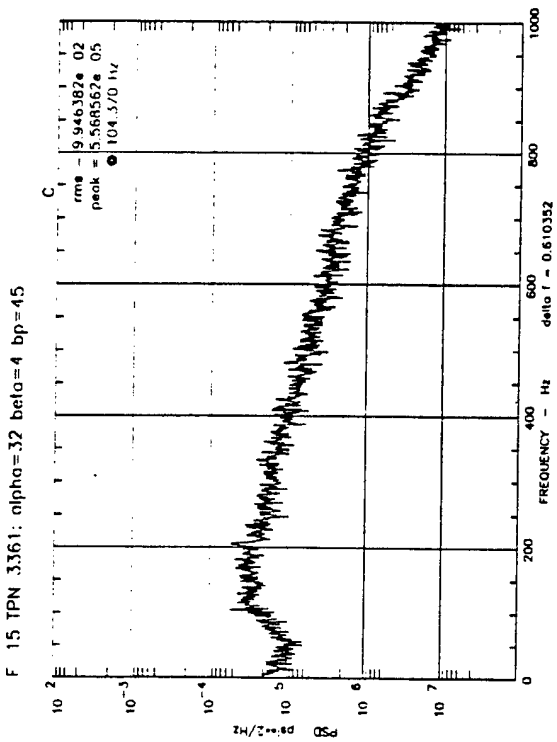

F 15 TPN 3360: alpha=28 beta=4 bp=45
F
rms = 8.687963e 02
peak = 1.133464e 04
@ 202.637 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

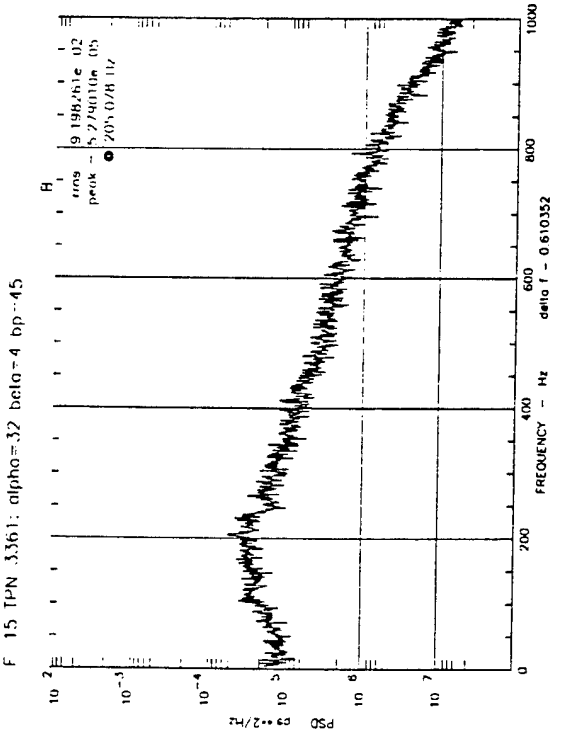

F 15 TPN 3360: alpha=28 beta=4 bp=45
K
rms 0.128235
peak - 7.647371e 05
@ 131.836 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f - 0.610352

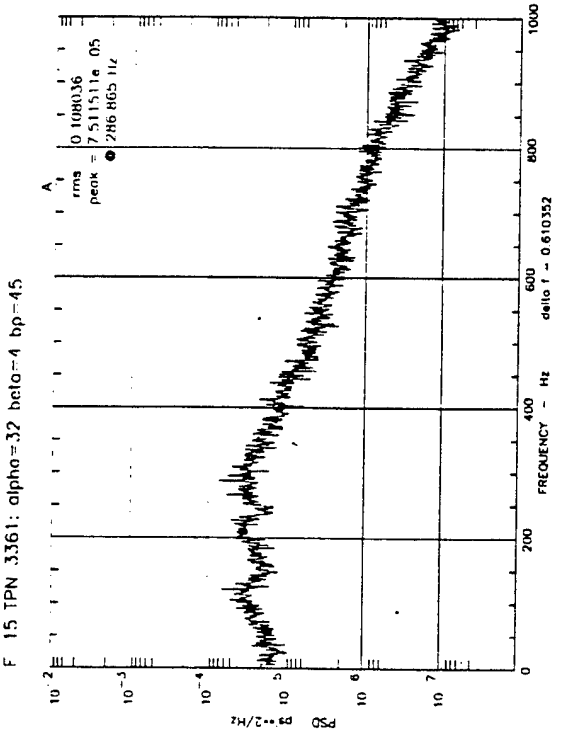

F 15 TPN 3360: alpha=28 beta=4 bp=45
J
rms 7.957502e 02
peak - 2.774180e 05
@ 131.836 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f - 0.610352

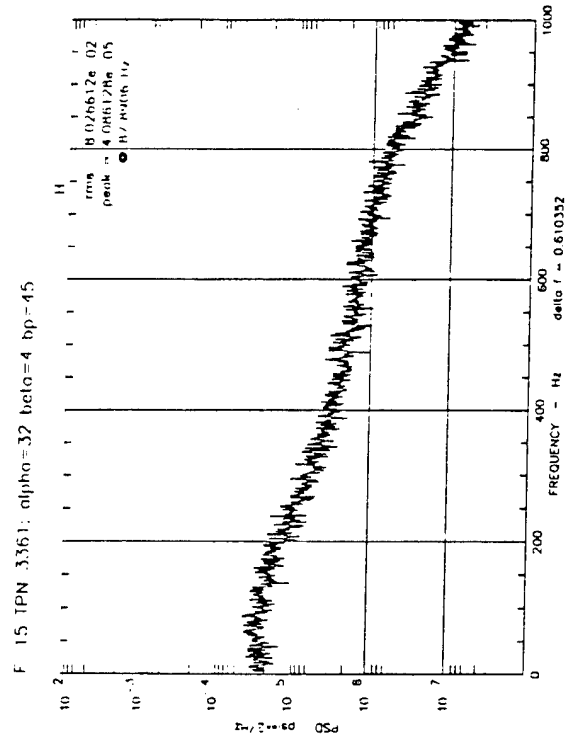

F 15 TPN 3360: alpha 28 beta 4 bp 45
I
rms 6.187456e 02
peak - 2.015907e 05
@ 131.836 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f - 0.610352

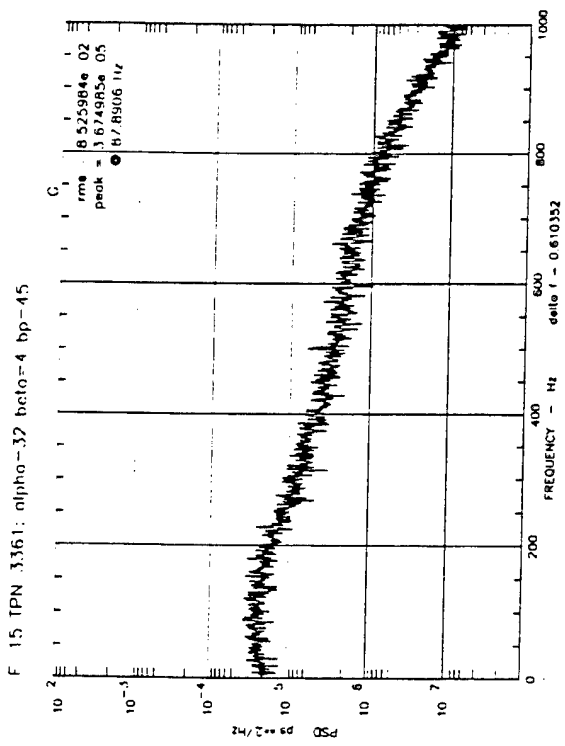

F 15 TPN .3361: alpha=32 beta=4 bp=45
D
rms = 5.328285e 02
peak = 1.366193e 05
@ 206.909 Hz
PSD p9.**2/Hz
FREQUENCY - Hz
delta f = 0.610352

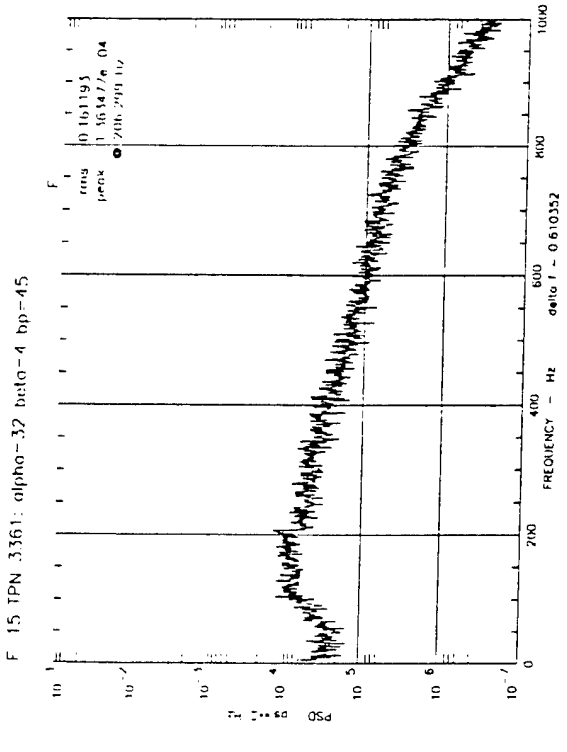

F 15 TPN .3361: alpha=32 beta=4 bp=45
C
rms = 9.946382e 02
peak = 5.568562e 05
@ 104.370 Hz
PSD p9.**2/Hz
FREQUENCY - Hz
delta f = 0.610352

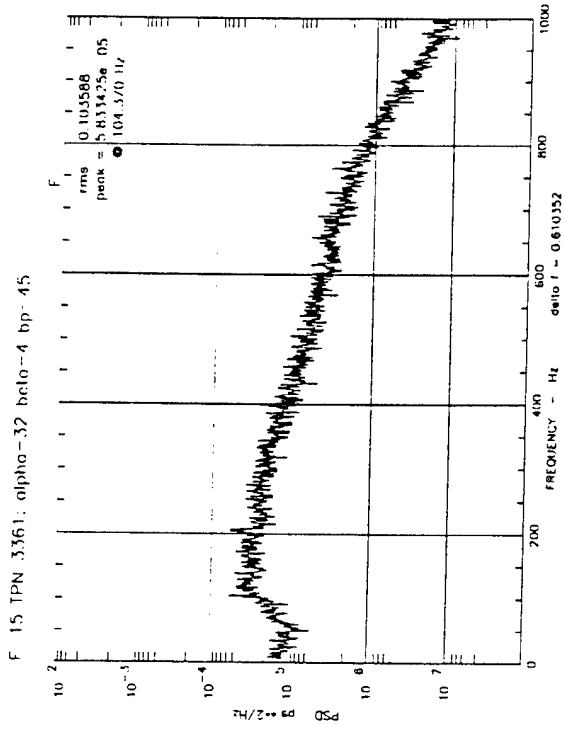

F 15 TPN .3361: alpha=32 beta=4 bp=45
H
rms = 9.198281e 02
peak = 5.274010e 05
@ 205.078 Hz
PSD p9.**2/Hz
FREQUENCY - Hz
delta f = 0.610352

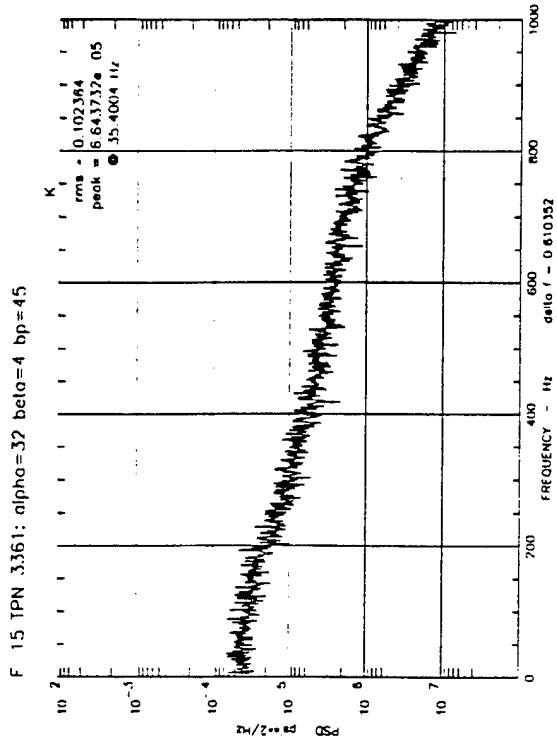

F 15 TPN .3361: alpha=32 beta=4 bp=45
A
rms = 1.108036e 03
peak = 7.511511e 05
@ 286.865 Hz
PSD p9.**2/Hz
FREQUENCY - Hz
delta f = 0.610352

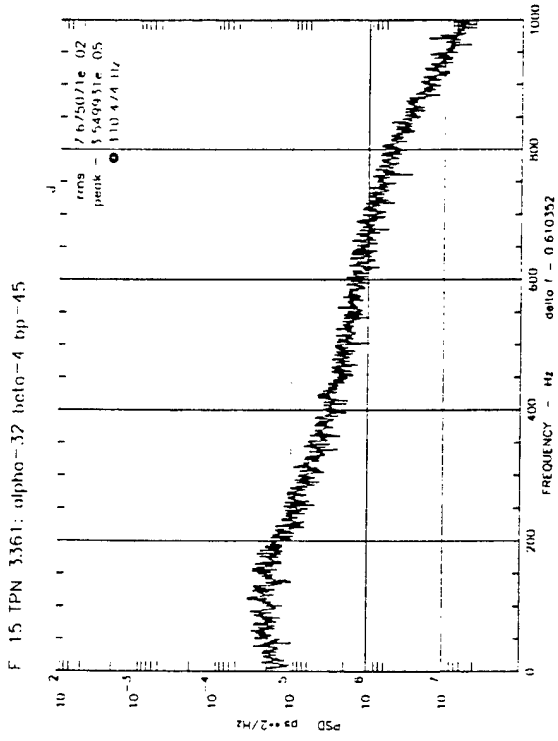

F 15 TPN 3361: alpha=32 beta=4 bp=45
H
rms 8.026612e 02
peak = 4.081278e 05
@ 87.8906 Hz
PSD pg **2/Hz
FREQUENCY - Hz
delta f = 0.610352

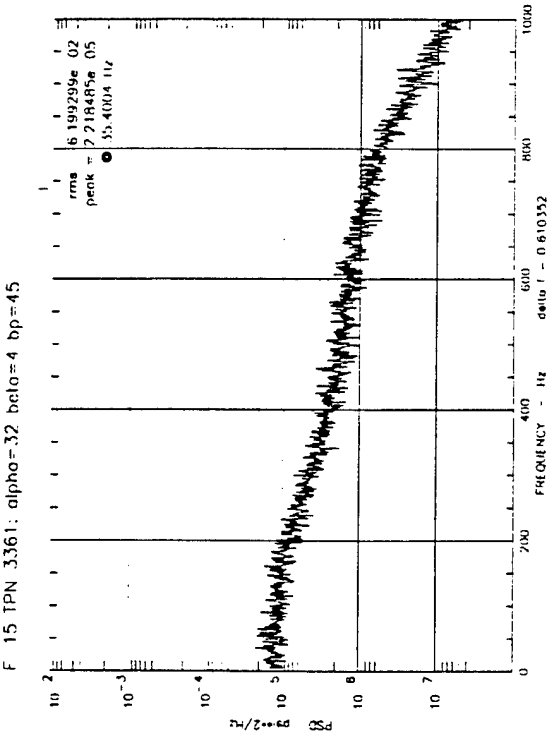

F 15 TPN 3361: alpha=32 beta=4 bp=45
G
rms 8.525984e 02
peak = 3.674985e 05
@ 87.8906 Hz
PSD pg **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3361: alpha=32 beta=4 bp=45
F
rms 0.161195
peak = 1.163477e 04
@ 200.2991 Hz
PSD pg **2/Hz
FREQUENCY - Hz
delta f = 0.610352

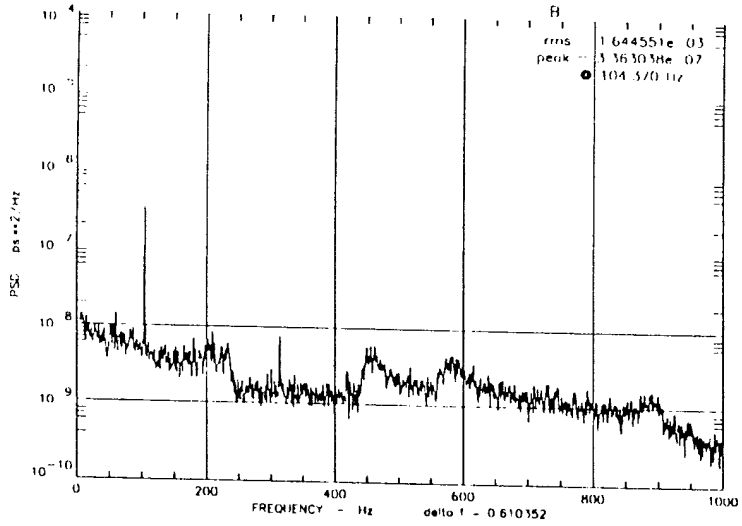

F 15 TPN 3361: alpha=32 beta=4 bp=45
F
rms 0.103588
peak = 5.831425e 05
@ 104.3010 Hz
PSD pg **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3361: alpha=32 beta=4 bp=45
rms = 0.102364
peak = 6.643737e 05
@ 55.4004 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

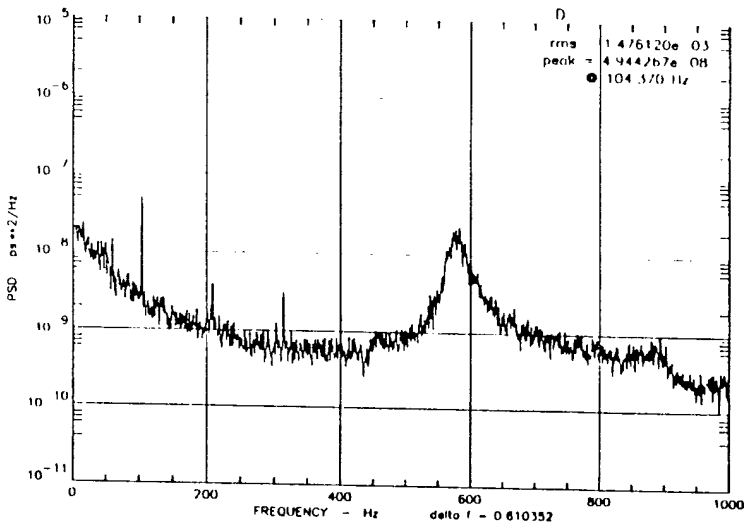

F 15 TPN 3361: alpha=32 beta=4 bp=45
rms = 7.675071e 02
peak = 5.549951e 05
@ 110.474 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3361: alpha=32 beta=4 bp=45
rms = 6.199299e 02
peak = 2.218485e 05
@ 55.4004 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

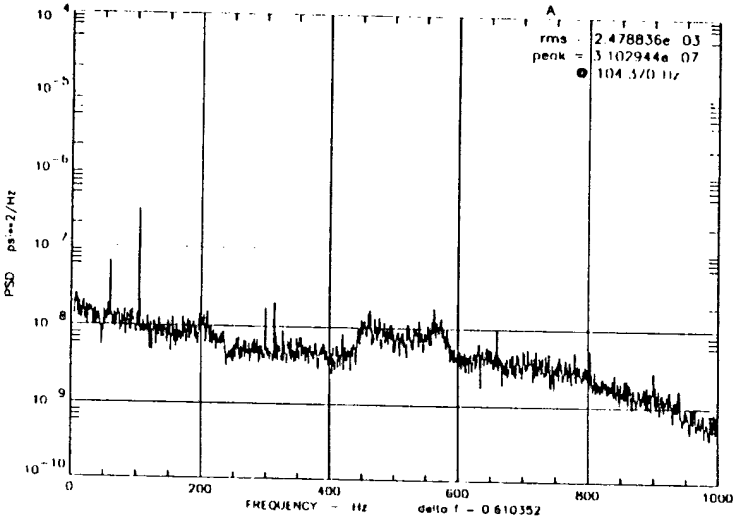
F 15 TPN .3333: alpha=8 beta=0 bp=45



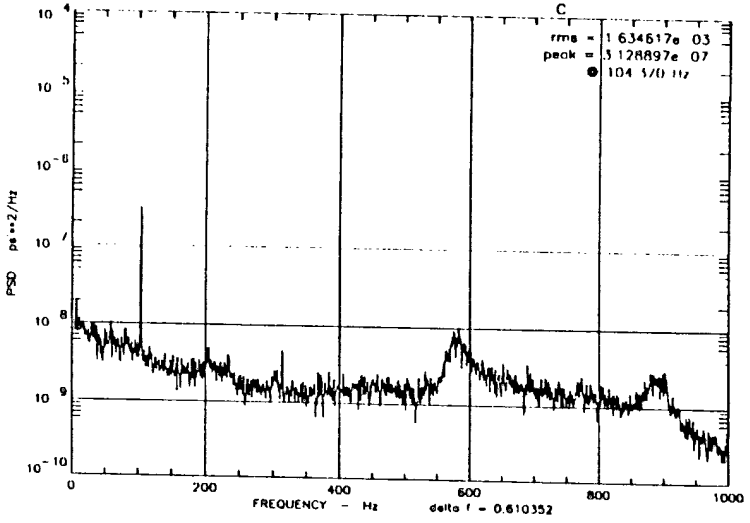
F 15 TPN .3333: alpha=8 beta=0 bp=45

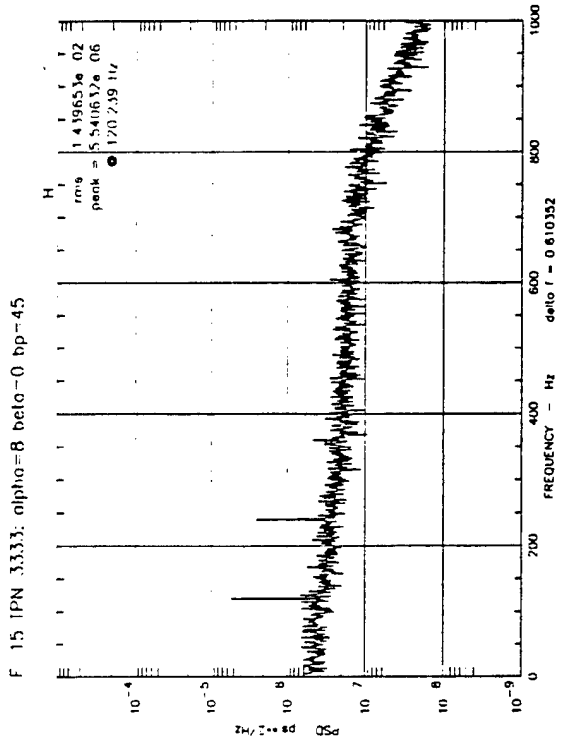


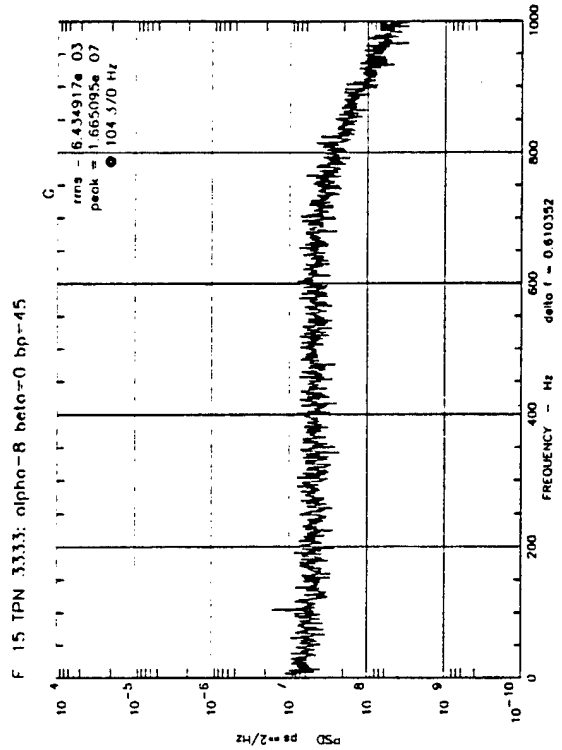
F 15 TPN .3333: alpha=8 beta=0 bp=45

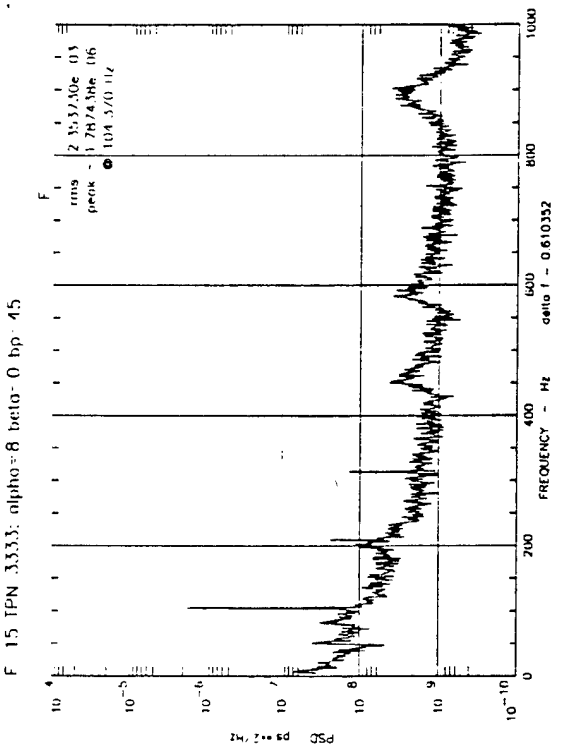


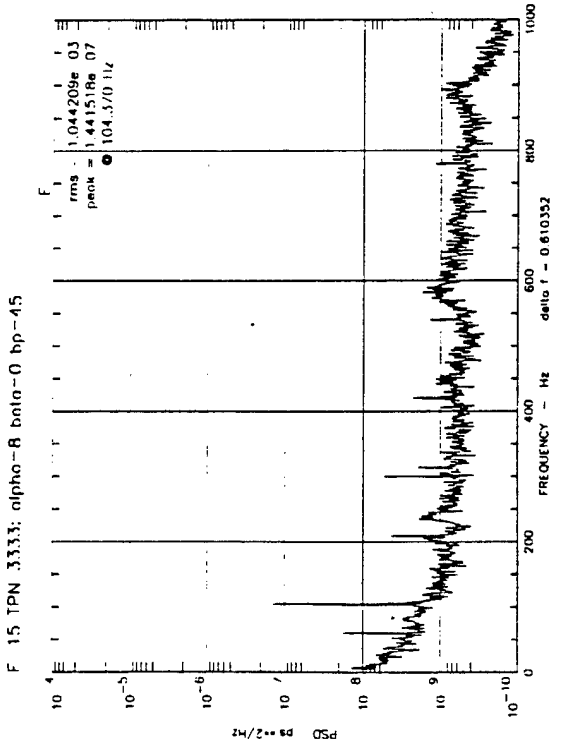
F 15 TPN .3333: alpha=8 beta=0 bp=45

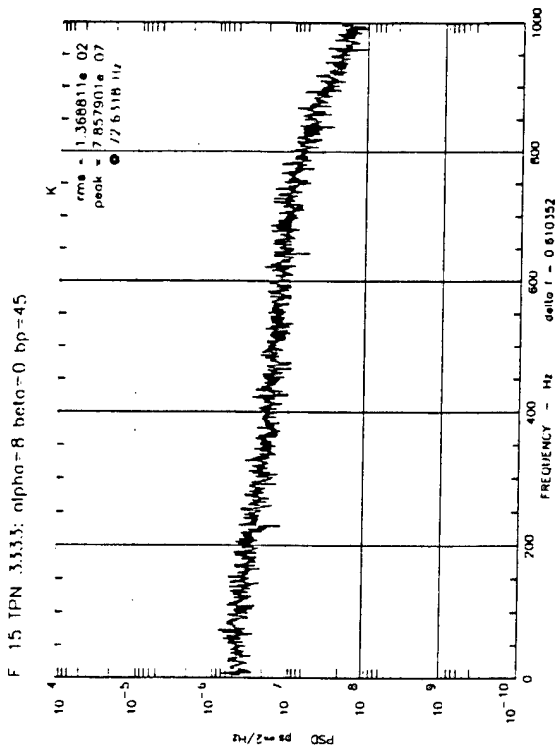


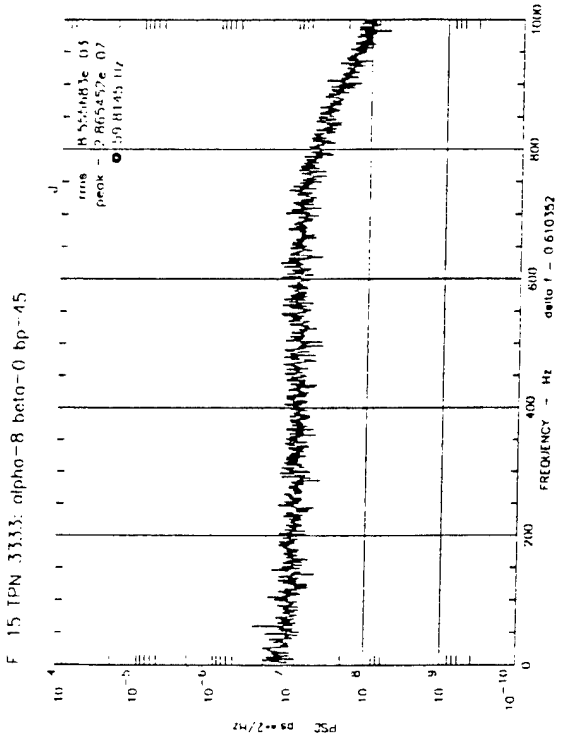

F 15 TPN .3333: alpha=8 beta=0 bp=45
H
rms = 1.419653e 02
peak = 5.540637e 06
@ 170.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

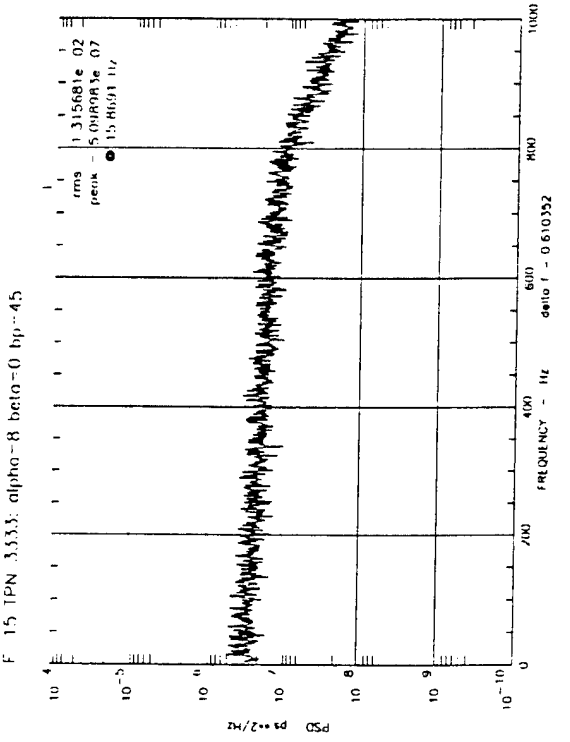

F 15 TPN .3333: alpha=8 beta=0 bp=45
G
rms = 6.434917e 03
peak = 1.665095e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

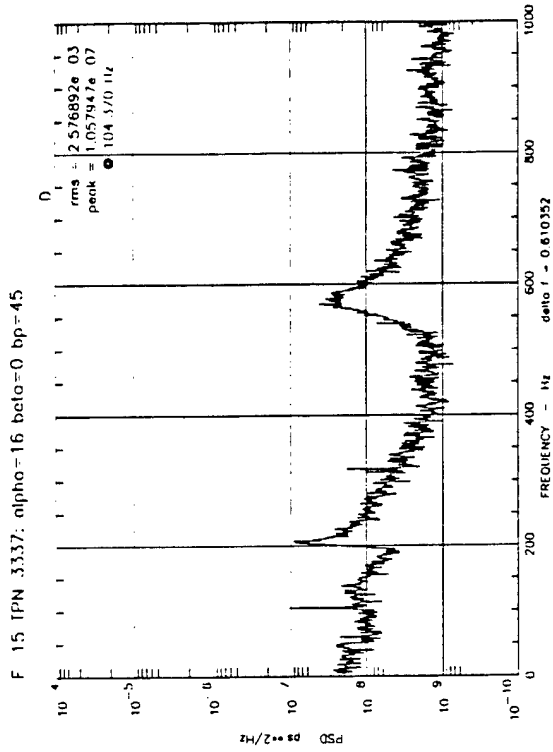

F 15 TPN .3333: alpha=8 beta=0 bp=45
F
rms = 2.353730e 03
peak = 1.787438e 06
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

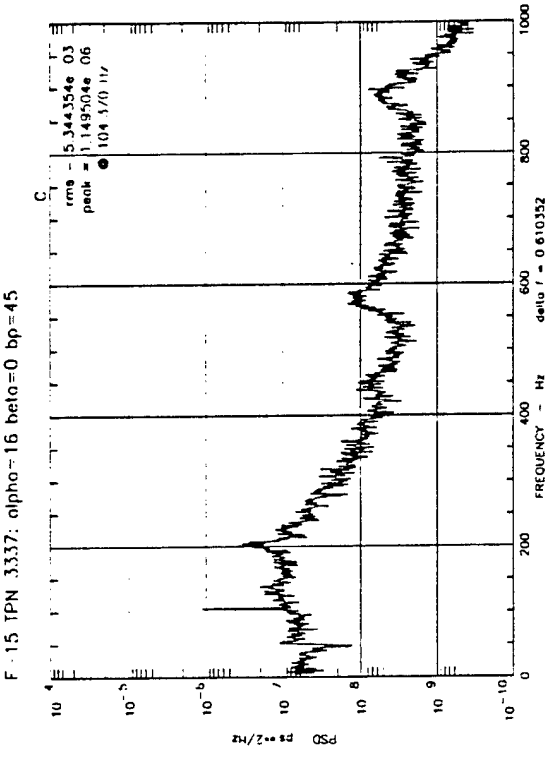

F 15 TPN .3333: alpha=8 beta=0 bp=45
F
rms = 1.044209e 03
peak = 1.441518e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

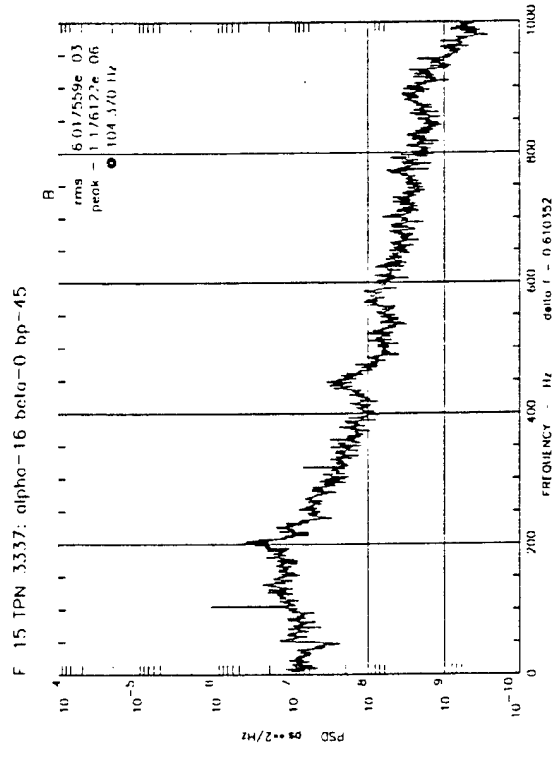

F 15 TPN 3333: alpha=8 beta=0 bp=45
K
rms = 1.368811e 02
peak = 7.857901e 07
@ 72.6118 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

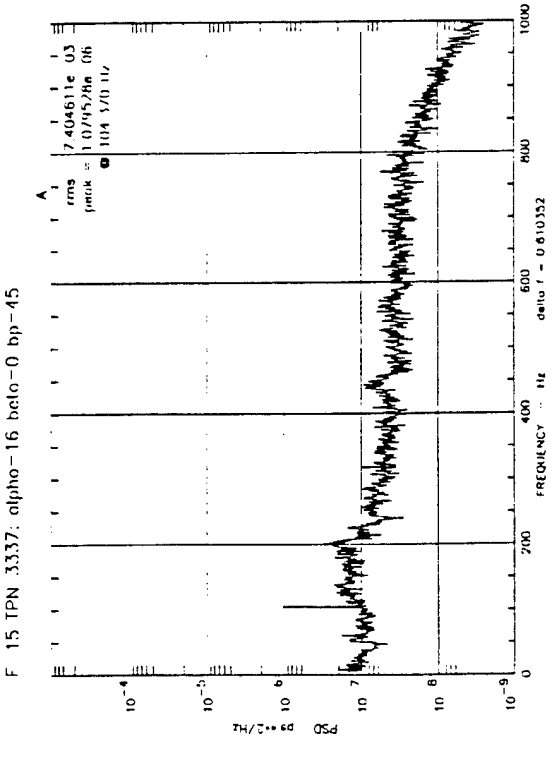

F 15 TPN 3333: alpha=8 beta=0 bp=45
J
rms = 1.315681e 02
peak = 5.048035e 07
@ 15.8691 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

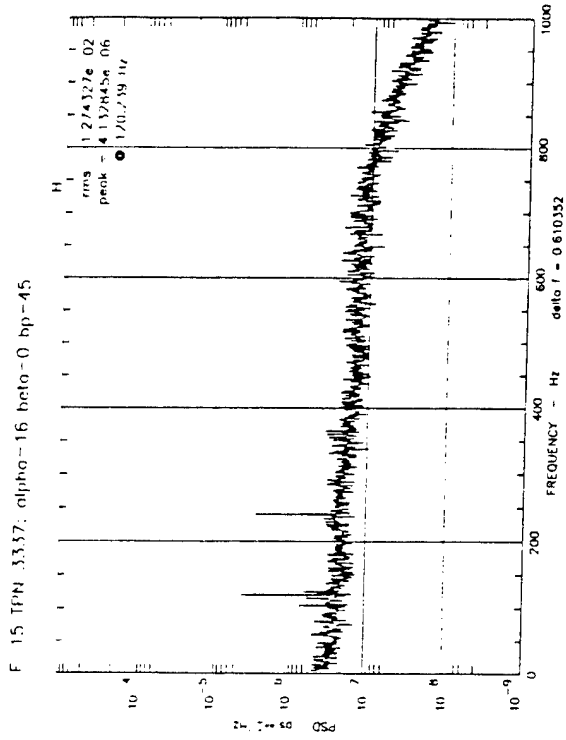

F 15 TPN 3333: alpha=8 beta=0 bp=45
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

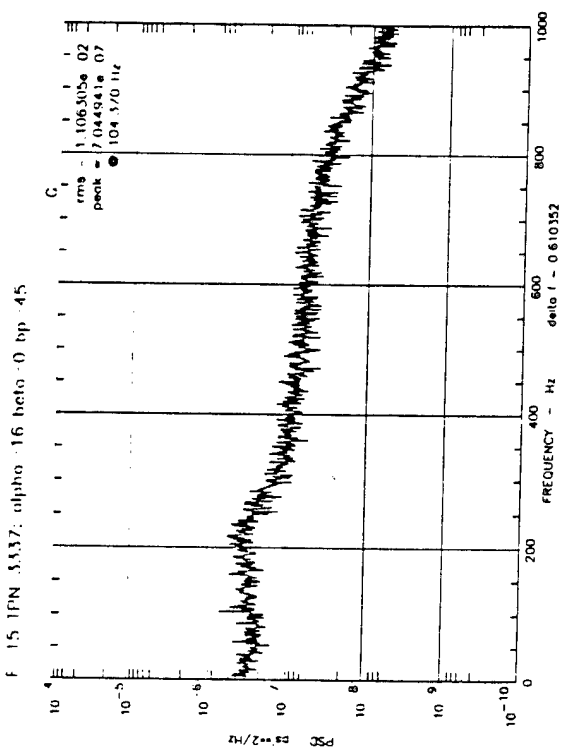

F 15 TPN 3337: alpha=16 beta=0 bp=45
D
rms = 2.576892e 03
peak = 1.057947e 07
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

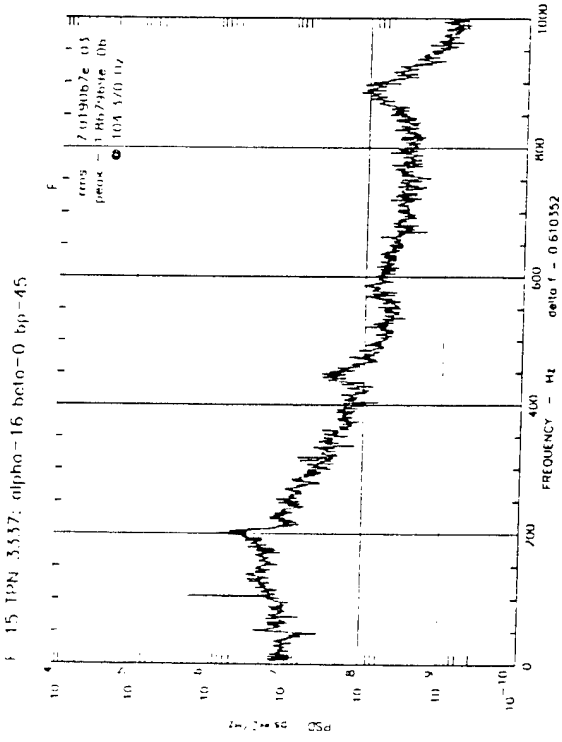

F 15 TPN 3337: alpha=16 beta=0 bp=45
C
rms = 5.344354e 03
peak = 1.149504e 06
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

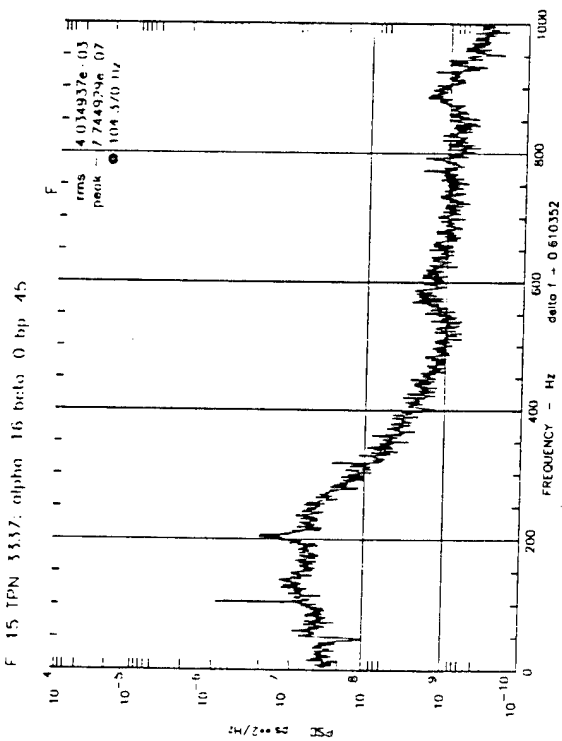

F 15 TPN 3337: alpha=16 beta=0 bp=45
B
rms = 6.017559e 03
peak = 1.176129e 06
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

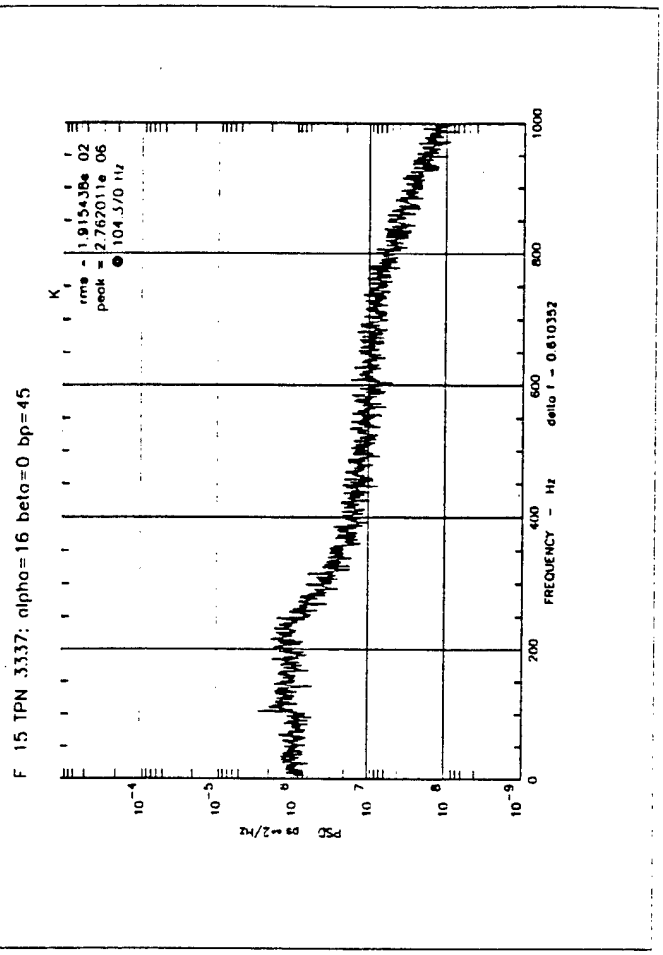

F 15 TPN 3337: alpha=16 beta=0 bp=45
A
rms = 7.404611e 03
peak = 1.079528e 06
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

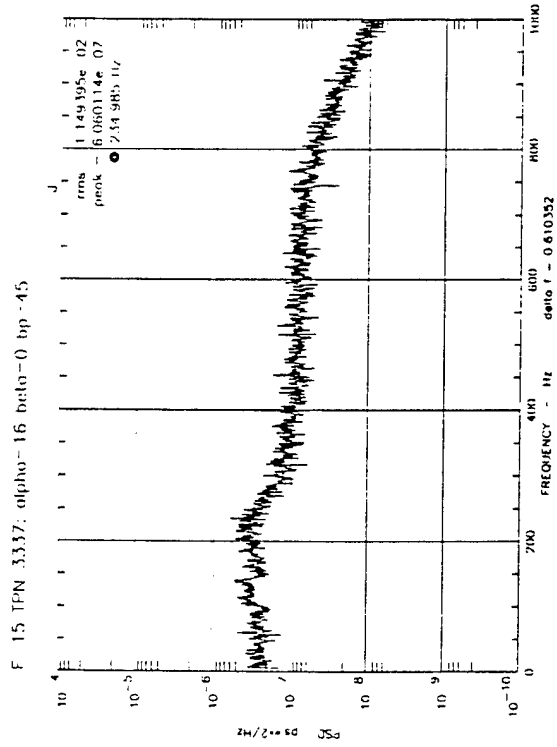

F 15 TPN 3337: alpha=16 beta=0 bp=45
H
rms = 1.274327e 02
peak = 4.132845e 06
@ 120.239 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

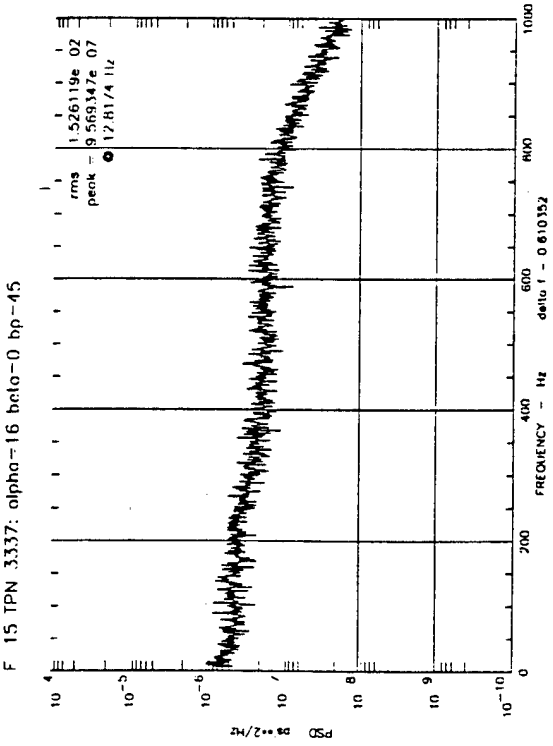

F 15 TPN 3337: alpha=16 beta=0 bp=45
G
rms = 1.106305e 02
peak = 7.044941e 07
@ 104.370 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

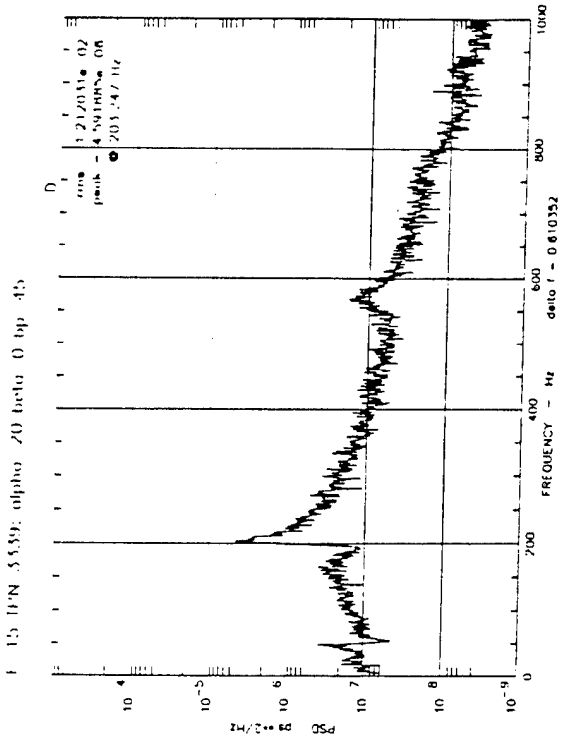

F 15 TPN 3337: alpha=16 beta=0 bp=45
F
rms = 7.019907e 05
peak = 1.467966e 06
@ 104.370 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

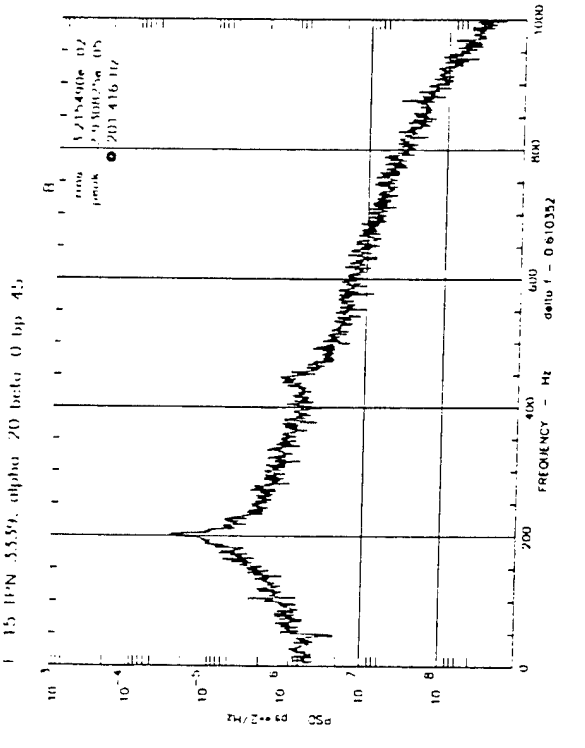

F 15 TPN 3337: alpha=16 beta=0 bp=45
F
rms = 4.034937e 05
peak = 7.744929e 07
@ 104.370 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3337: alpha=16 beta=0 bp=45
K
rms = 1.915438e 02
peak = 2.762011e 06
@ 104.370 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3337: alpha=16 beta=0 bp=45
J
rms = 1.149395e 02
peak = 6.060114e 07
@ 234.985 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

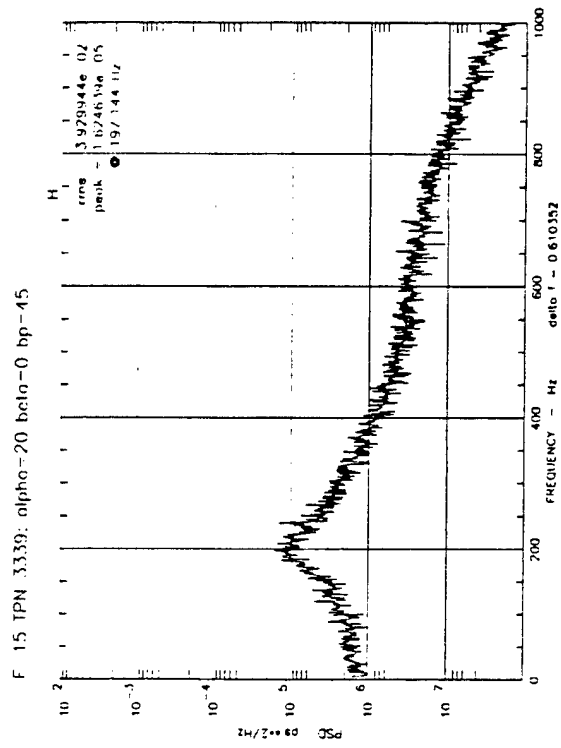

F 15 TPN 3337: alpha=16 beta=0 bp=45
I
rms = 1.526119e 02
peak = 9.569347e 07
@ 17.814 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

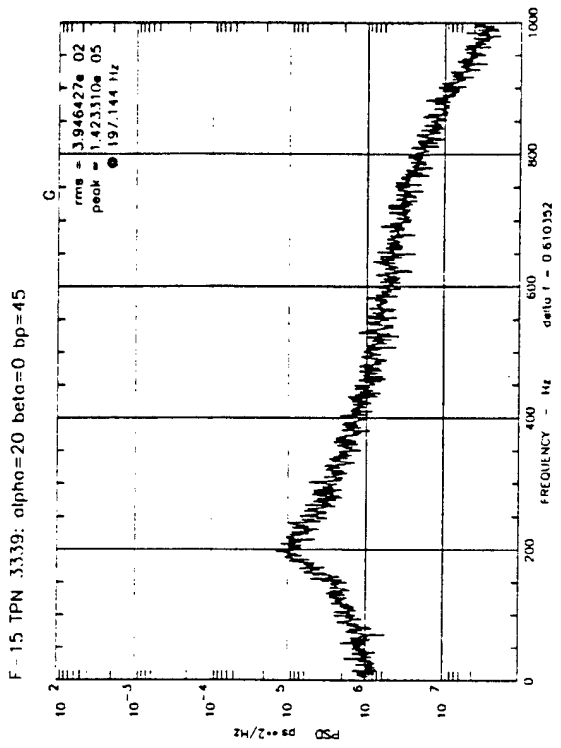

F 15 IPN 3339: alpha=20 beta=0 bp-45
C
rms = 2.655118e 02
peak = 2.577109e 05
@ 201.247 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

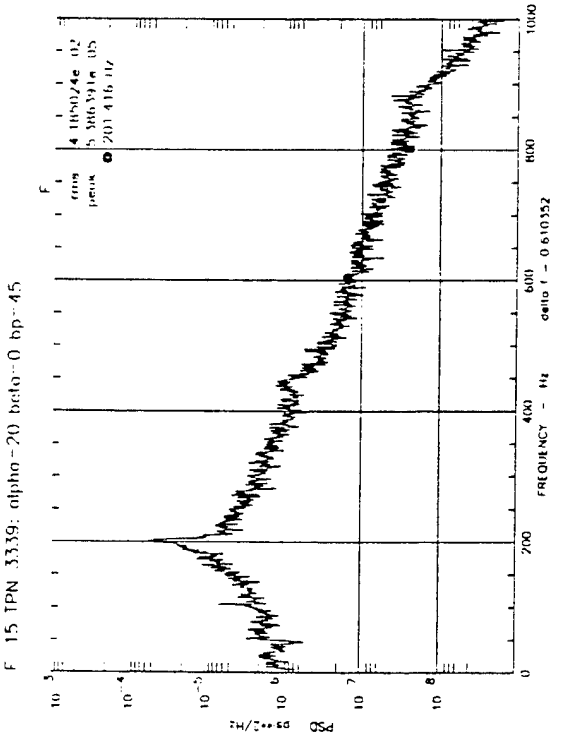

F 15 IPN 3339: alpha=20 beta=0 bp-45
A
rms = 2.945388e 02
peak = 1.651209e 05
@ 201.247 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

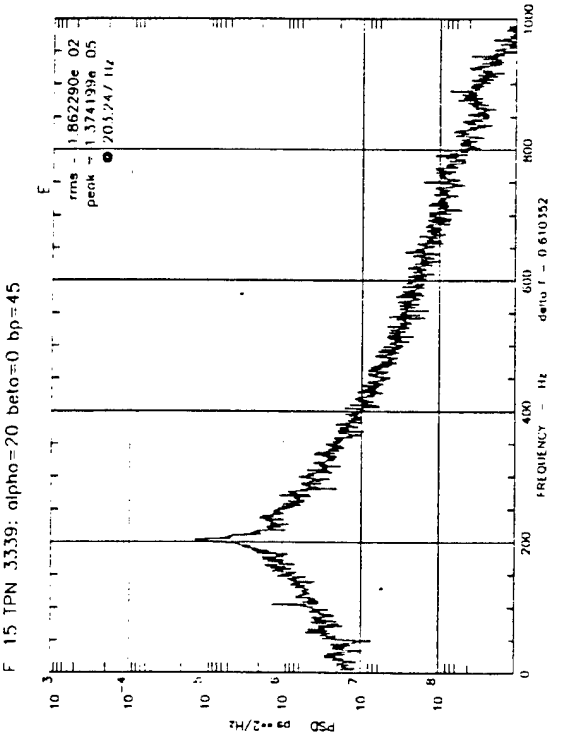
F 15 IPN 3339: alpha=20 beta=0 bp-45
D
rms = 1.212031e 02
peak = 4.591888e 04
@ 201.247 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

F 15 IPN 3339: alpha=20 beta=0 bp-45
B
rms = 1.215490e 02
peak = 2.938529e 05
@ 201.416 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

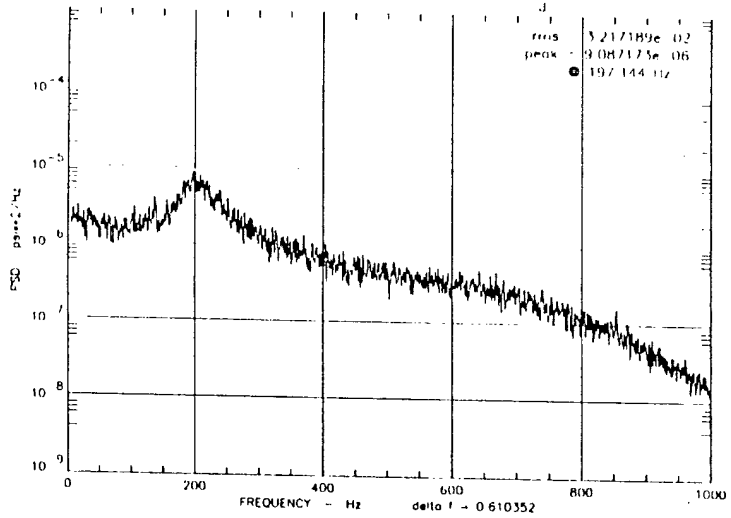

F 15 TPN 3339: alpha=20 beta=0 bp=45
H
rms = 3.929944e 02
peak = 1.624639e 05
@ 197.144 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3339: alpha=20 beta=0 bp=45
G
rms = 3.946427e 02
peak = 1.423310e 05
@ 197.144 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

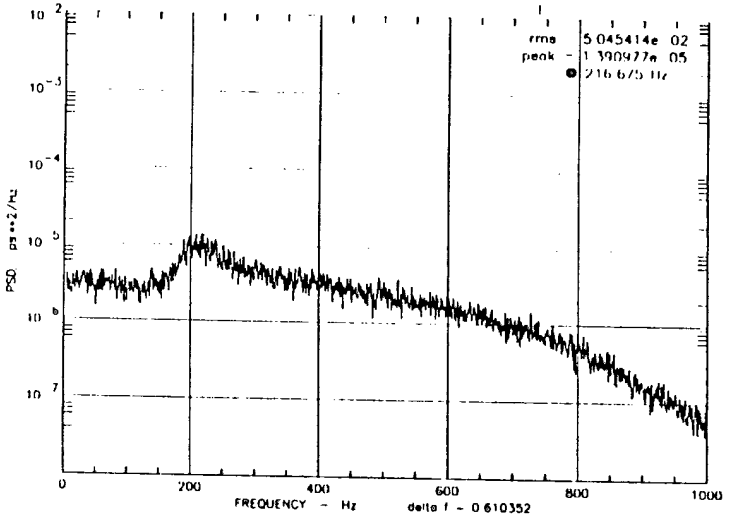

F 15 TPN 3339: alpha=20 beta=0 bp=45
F
@ 201.416 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3339: alpha=20 beta=0 bp=45
E
rms = 1.862290e 02
peak = 1.374139e 05
@ 203.247 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

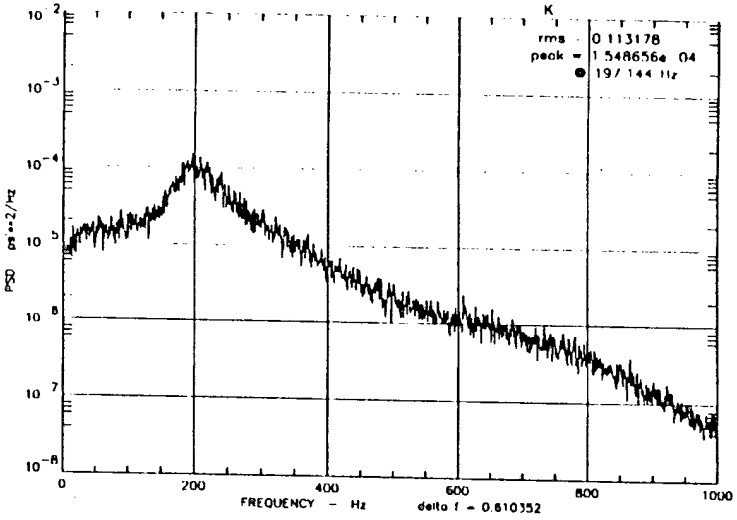
F 15 TPN 3339: alpha=20 beta=0 bp=45

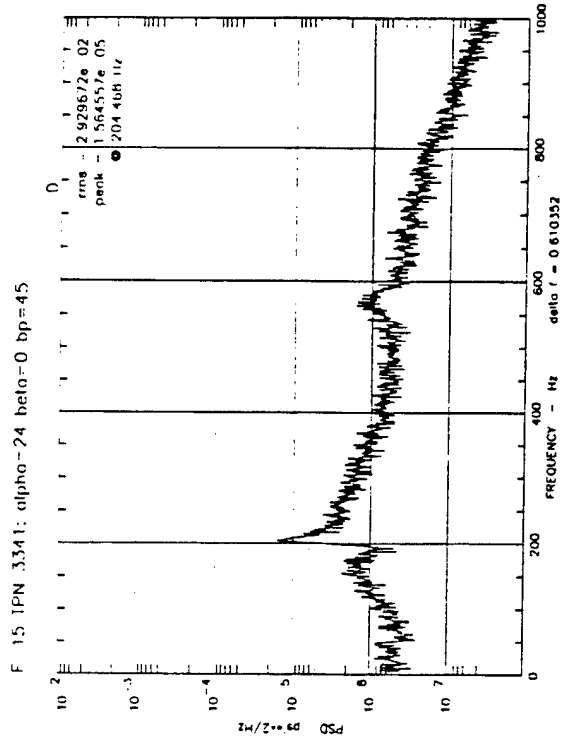


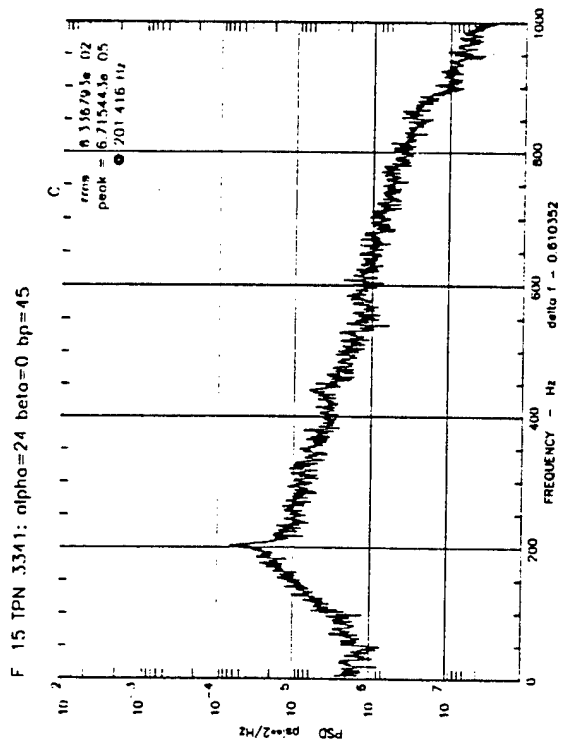
F 15 TPN 3339: alpha=20 beta=0 bp=45

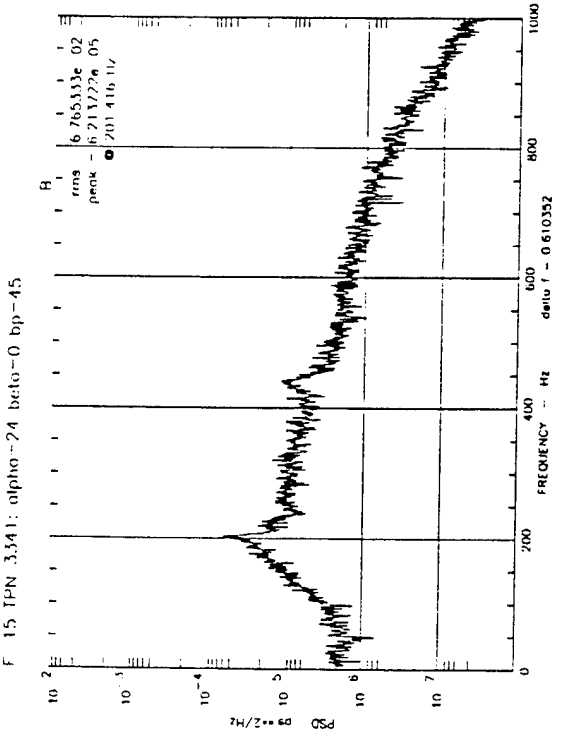


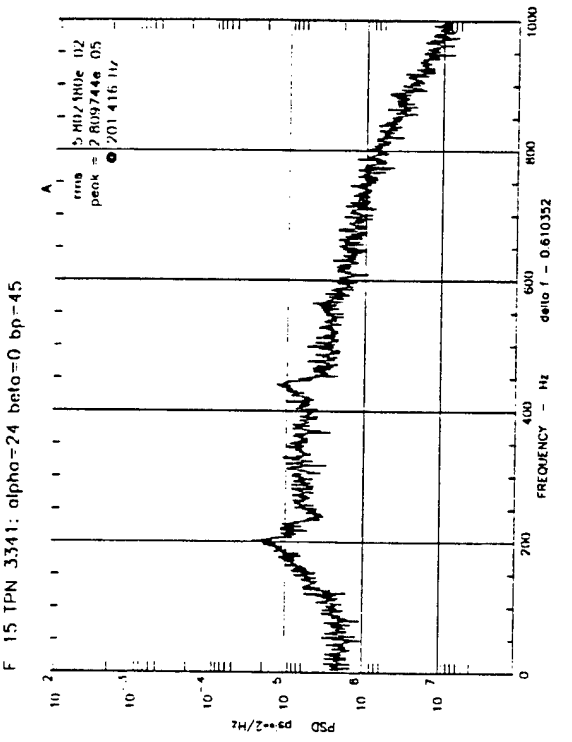
F 15 TPN 3339: alpha=20 beta=0 bp=45

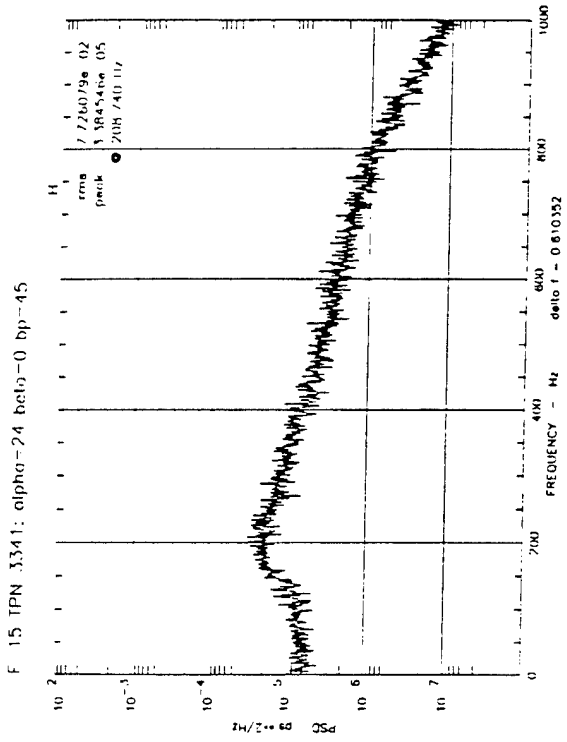


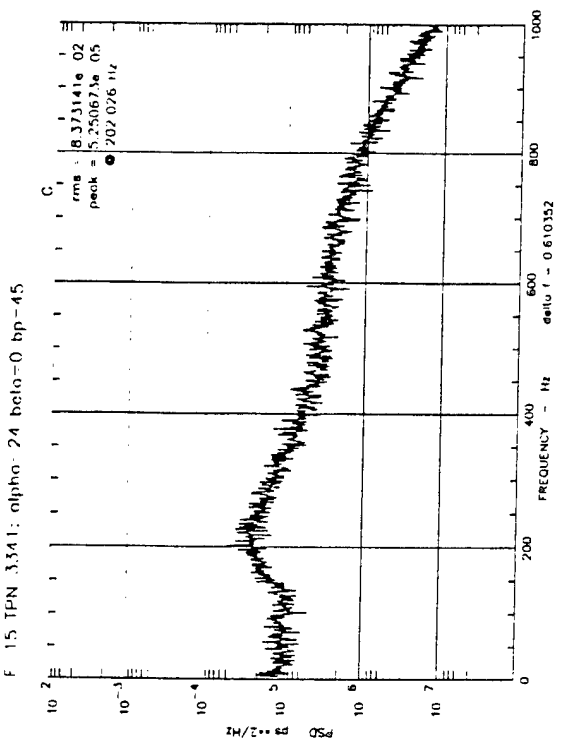

F 15 IPN 3341: alpha=24 beta=0 bp=45
D
rms = 2.929672e 02
peak = 1.564557e 05
@ 204.468 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

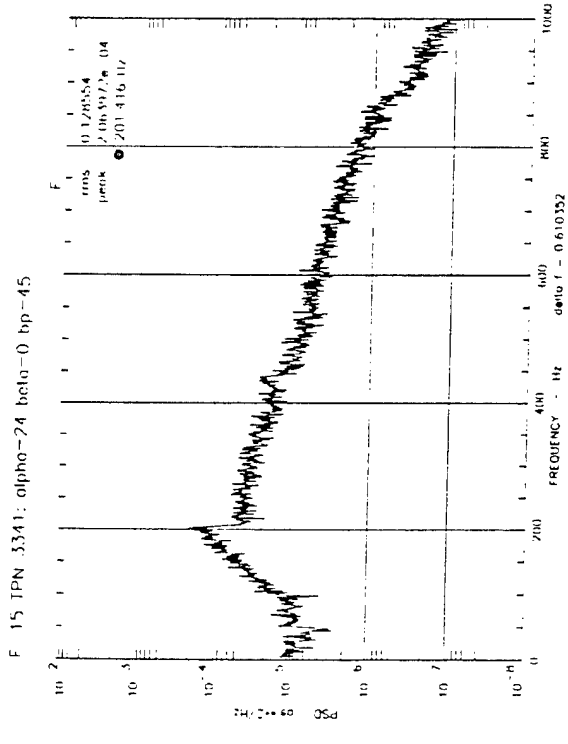

F 15 TPN 3341: alpha=24 beta=0 bp=45
C
rms = 6.136793e 02
peak = 6.715443e 05
@ 201.416 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

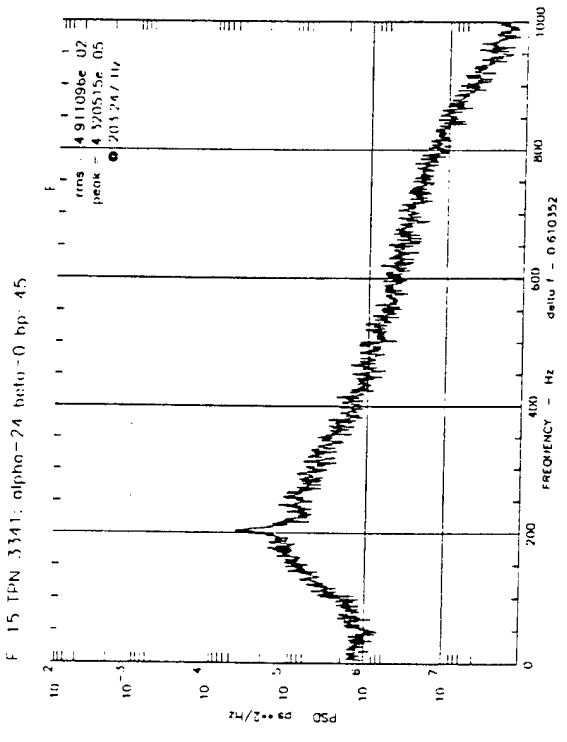

F 15 TPN 3341: alpha=24 beta=0 bp=45
B
rms = 6.765333e 02
peak = 6.711772e 05
@ 201.416 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3341: alpha=24 beta=0 bp=45
A
rms = 5.817180e 02
peak = 2.809744e 05
@ 201.416 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

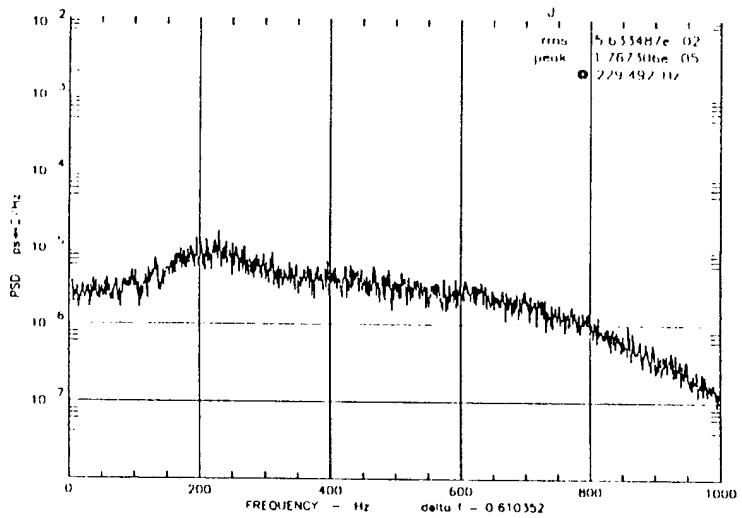

F 15 TPN 3341: alpha=24 beta=0 bp=45
H
rms = 7.726079e 02
peak = 3.384544e 05
@ 205.740 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3341: alpha=24 beta=0 bp=45
G
rms = 8.373141e 02
peak = 5.250673e 05
@ 202.026 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

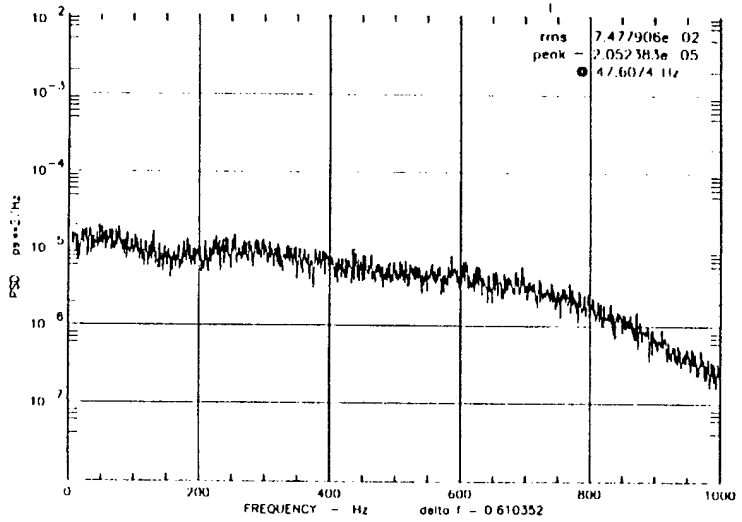

F 15 TPN 3341: alpha=24 beta=0 bp=45
F
rms = 9.178554
peak = 2.005972e 04
@ 201.416 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3341: alpha=24 beta=0 bp=45
F
rms = 4.911096e 02
peak = 4.320515e 05
@ 203.247 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

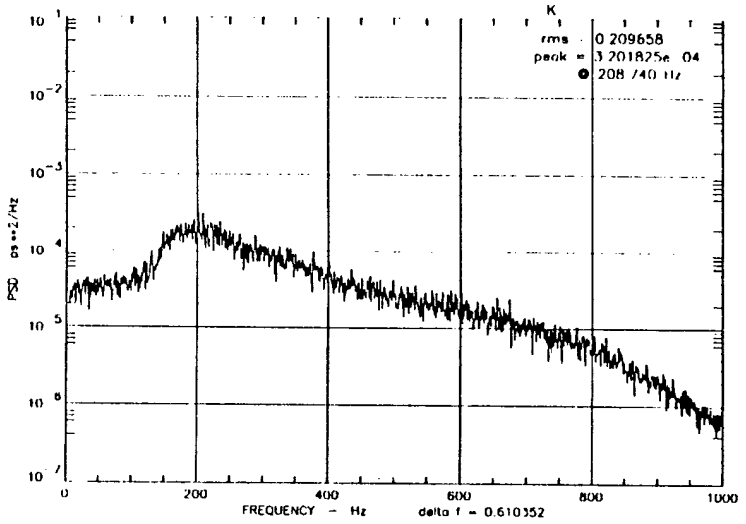
F 15 TPN 3341: alpha=24 beta=0 bp=45

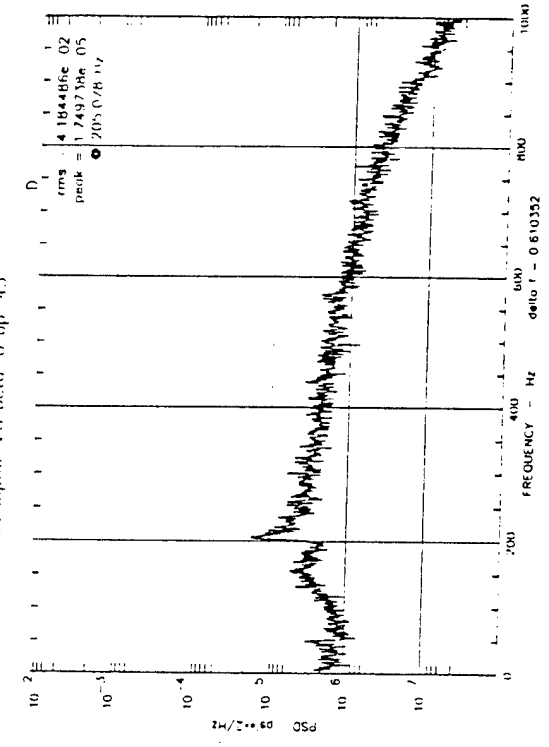


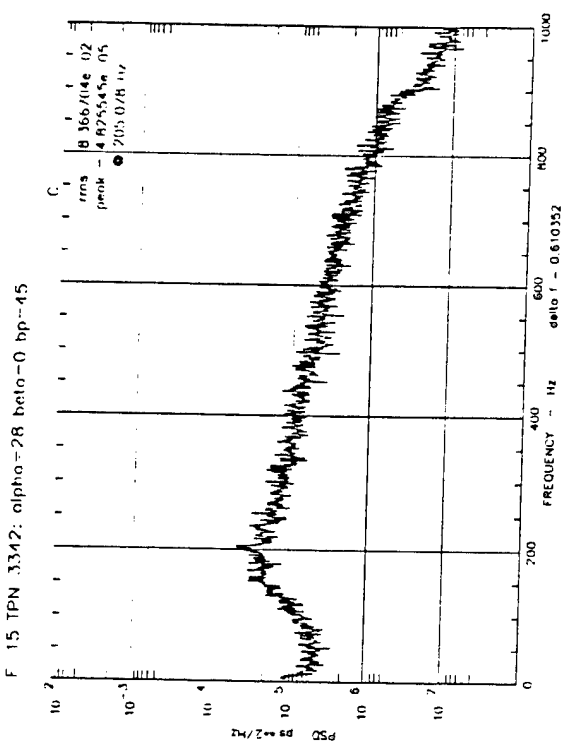
F 15 TPN 3341: alpha=24 beta=0 bp=45

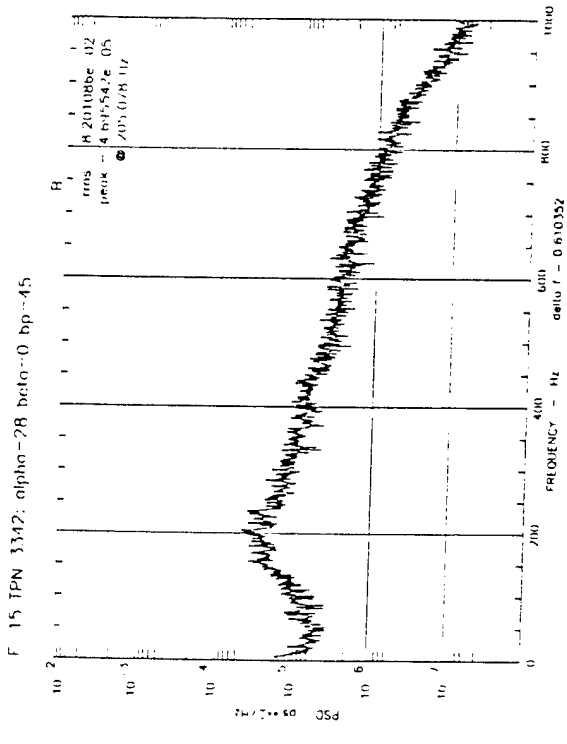


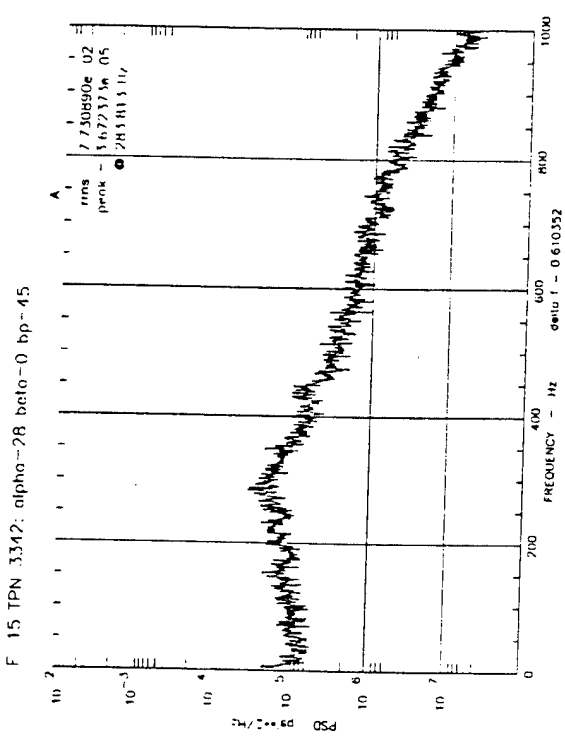
F 15 TPN 3341: alpha=24 beta=0 bp=45

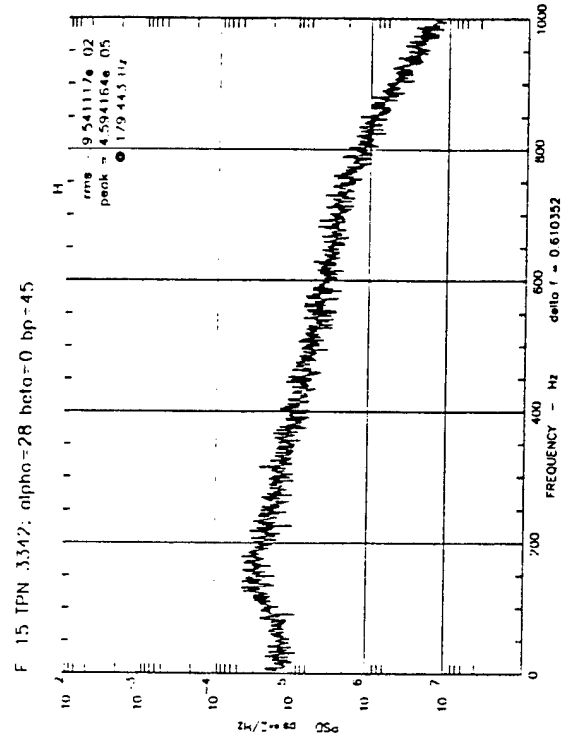


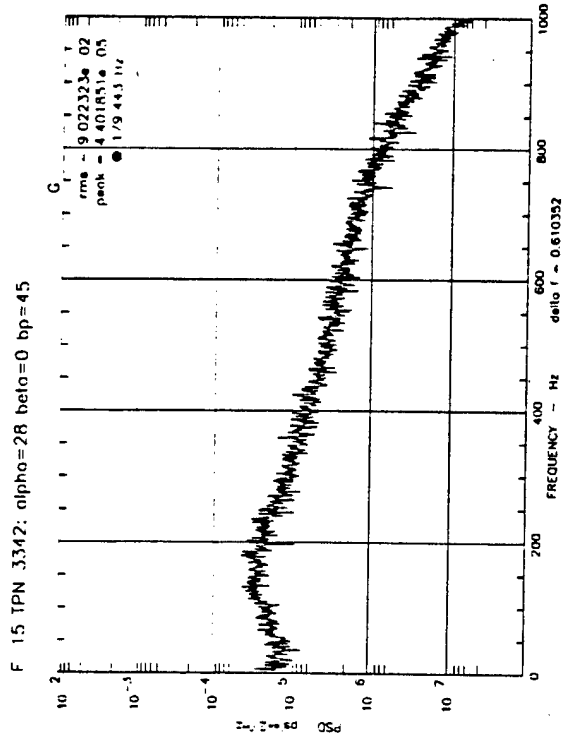

F 15 TPN 3342: alpha=28 beta=0 bp=45
D
rms = 4.184486e 02
peak = 1.749736e 05
@ 205.078 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

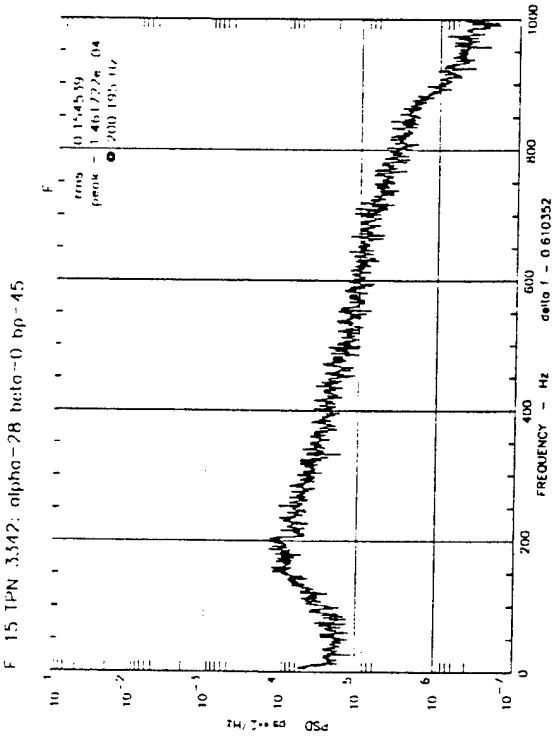

F 15 TPN 3342: alpha=28 beta=0 bp=45
C
rms = 8.366114e 02
peak = 4.895545e 05
@ 205.078 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

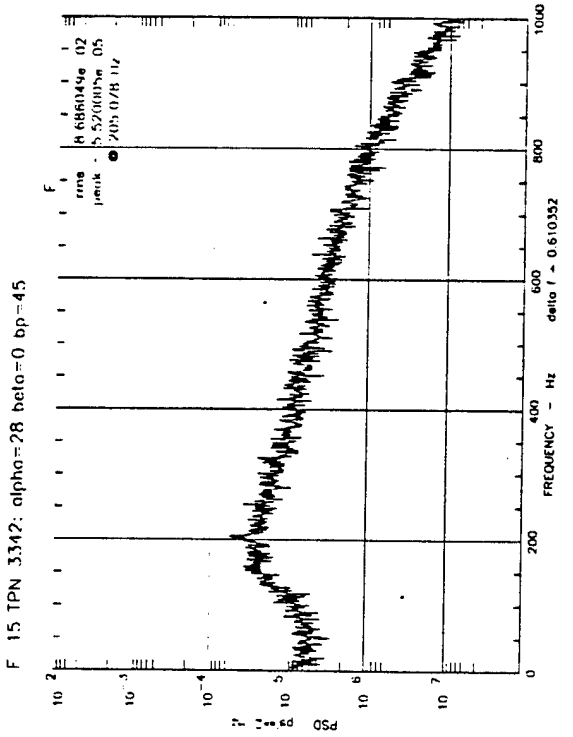

F 15 TPN 3342: alpha=28 beta=0 bp=45
B
rms = 8.211086e 02
peak = 4.815542e 05
@ 205.078 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3342: alpha=28 beta=0 bp=45
A
rms = 7.730890e 02
peak = 4.534813e 05
@ 205.078 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

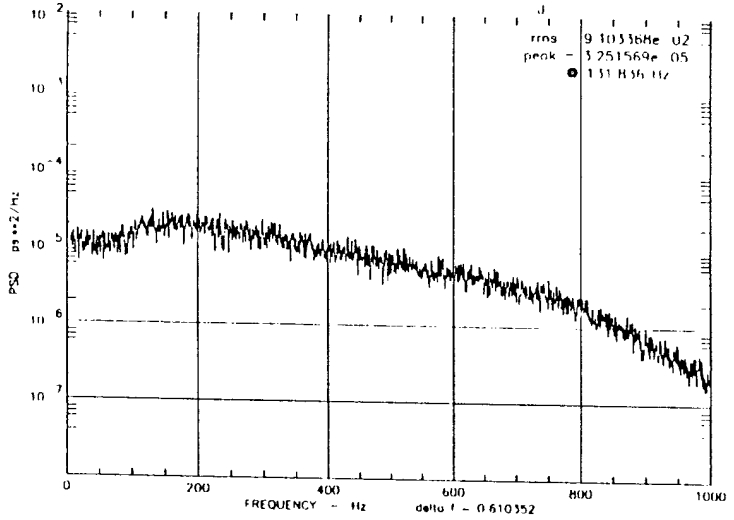

F 15 TPN 3342: alpha=28 beta=0 bp=45
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3342: alpha=28 beta=0 bp=45
FREQUENCY - Hz
delta f = 0.610352

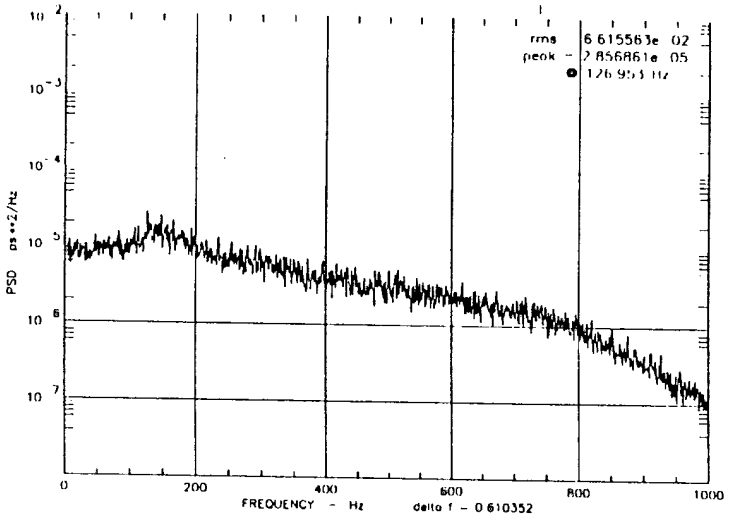

F 15 TPN 3342: alpha=28 beta=0 bp=45
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3342: alpha=28 beta=0 bp=45
FREQUENCY - Hz
delta f = 0.610352

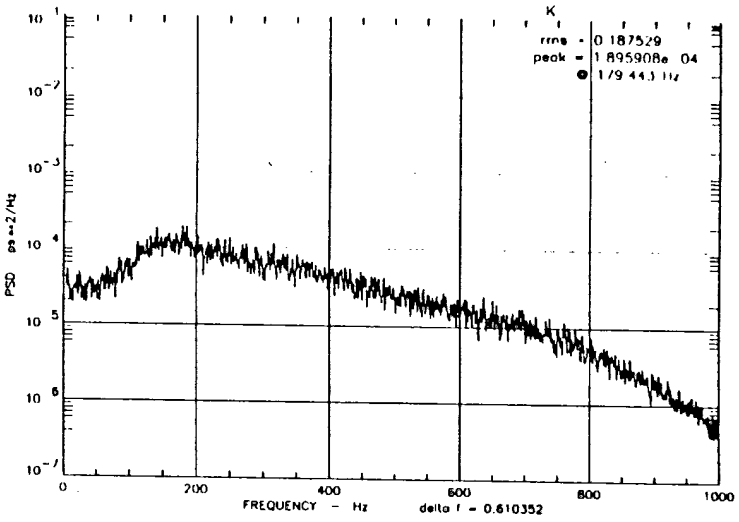
F 15 TPN 3342: alpha=28 beta=0 bp=45

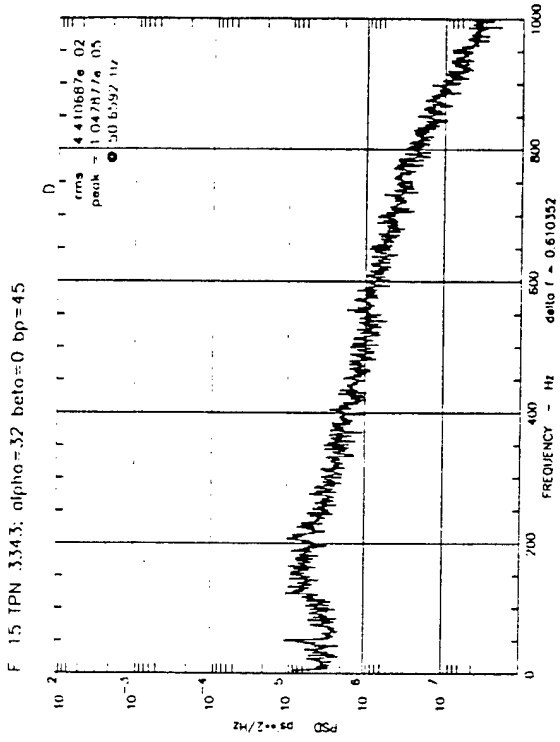


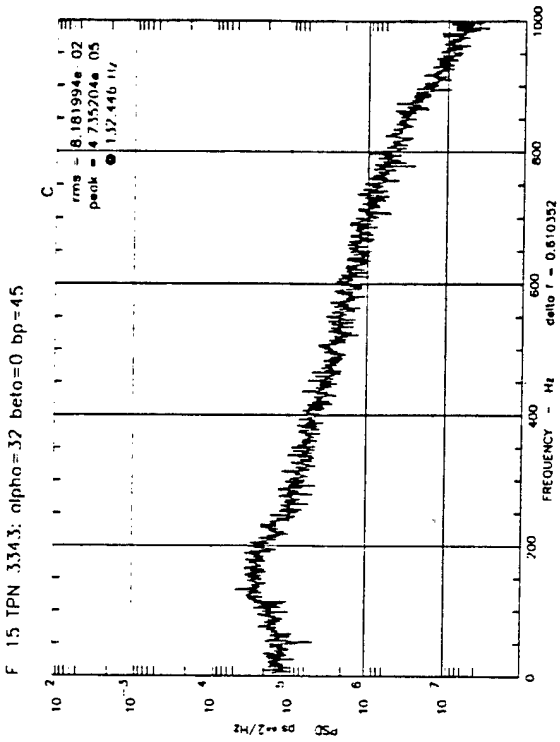
F 15 TPN 3342: alpha=28 beta=0 bp=45

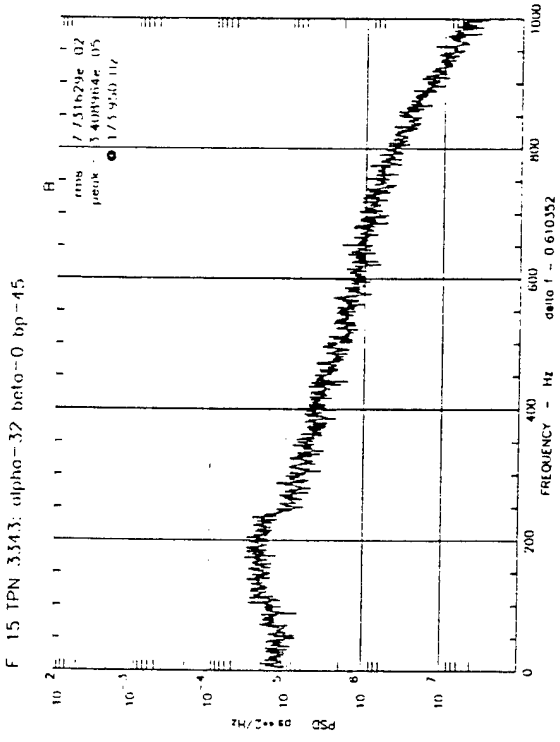


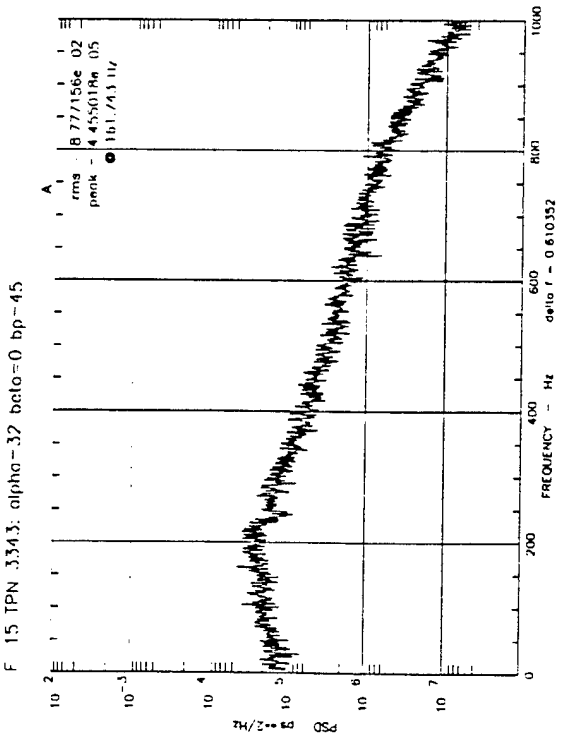
F 15 TPN 3342: alpha=28 beta=0 bp=45

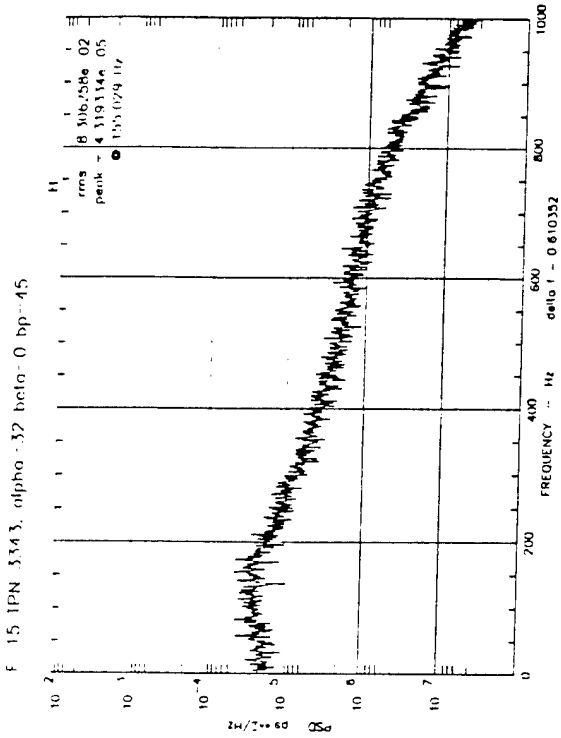


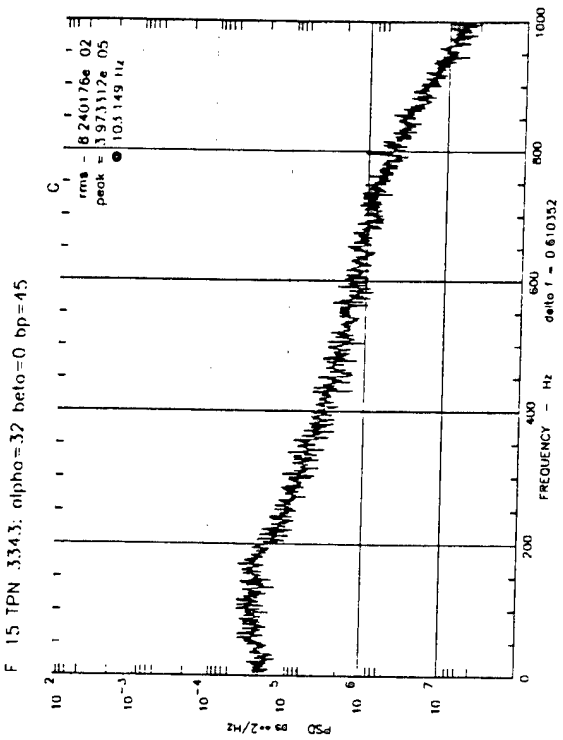

F 15 TPN 3343: alpha=32 beta=0 bp=45
D
rms = 4.410687e 02
peak = 1.047877e 05
@ 30.659277 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

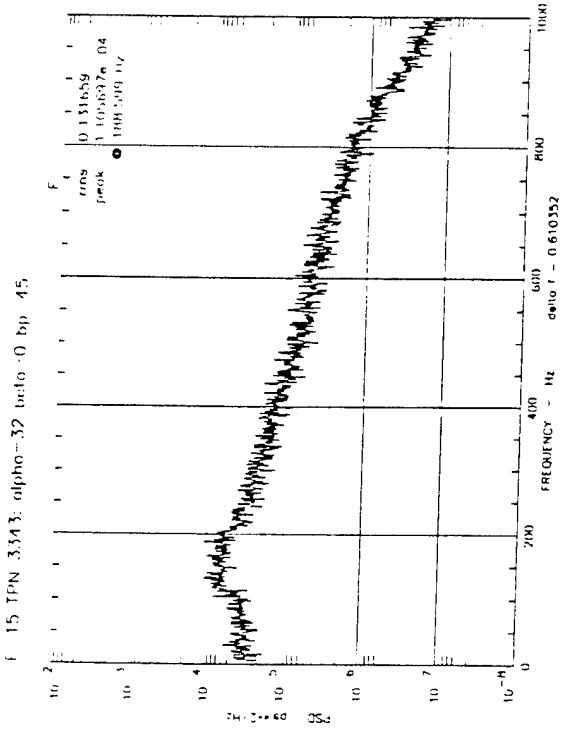

F 15 TPN 3343: alpha=32 beta=0 bp=45
C
rms = 8.181994e 02
peak = 4.735204e 05
@ 132.446 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

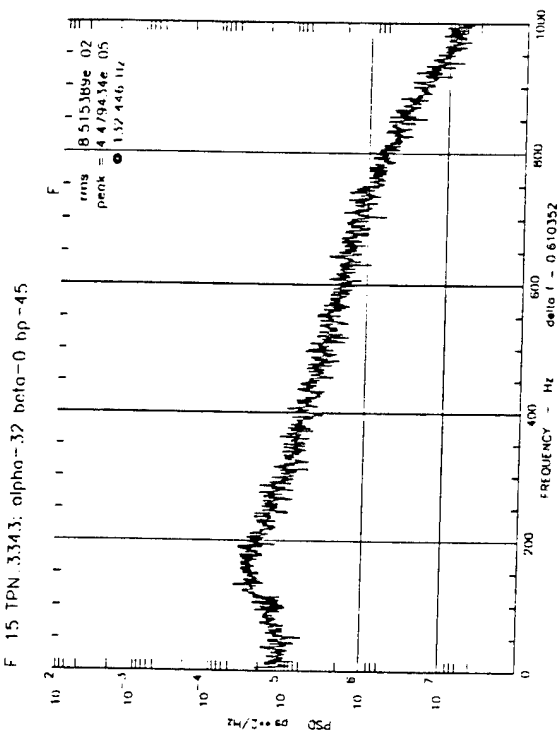

F 15 TPN 3343: alpha=32 beta=0 bp=45
B
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3343: alpha=32 beta=0 bp=45
A
rms = 8.777156e 02
peak = 4.455018e 05
@ 161.743 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

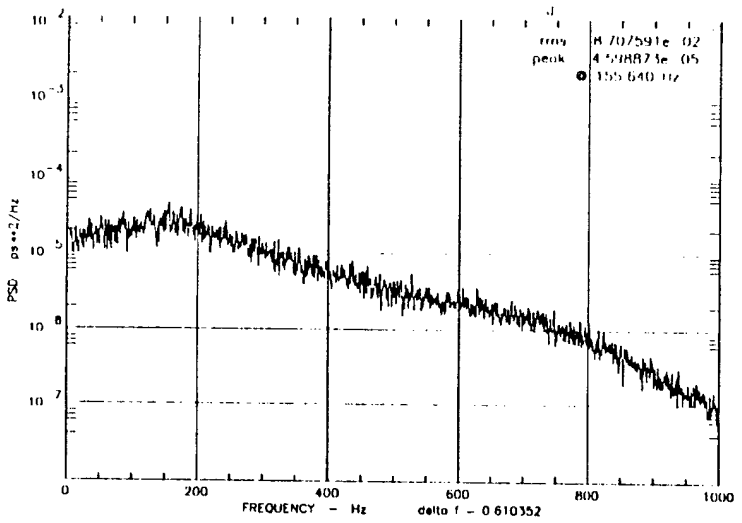

F 15 TPN 3343: alpha=32 beta=0 bp=45
H
rms = 8.906758e 02
peak = 4.319134e 05
@ 155.1074 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3343: alpha=32 beta=0 bp=45
G
rms = 8.240176e 02
peak = 3.973112e 05
@ 103.149 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

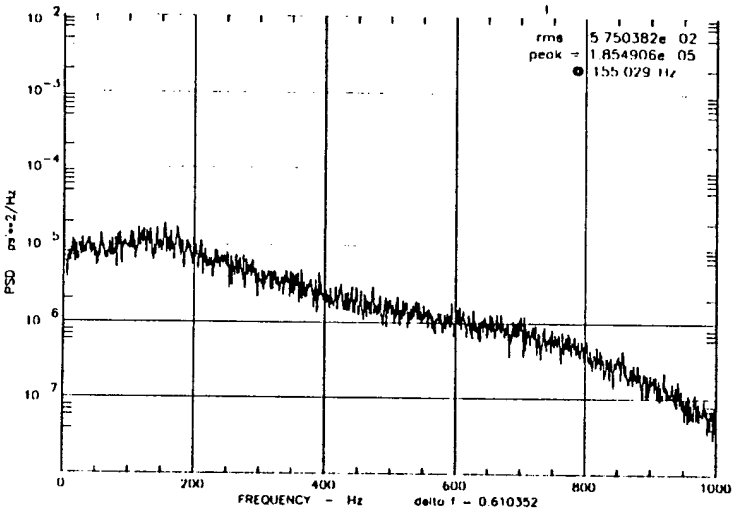

F 15 TPN 3343: alpha=32 beta=0 bp=45
F
rms = 0.131659
peak = 1.105937e 04
@ 155.599 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3343: alpha=32 beta=0 bp=45
F
rms = 8.515389e 02
peak = 4.479434e 05
@ 132.446 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

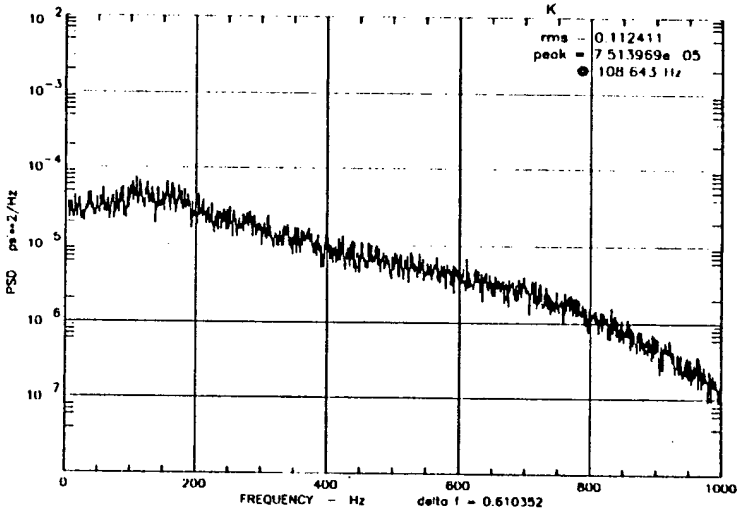
F-15 TPN 3343: alpha=32 beta=0 bp=45

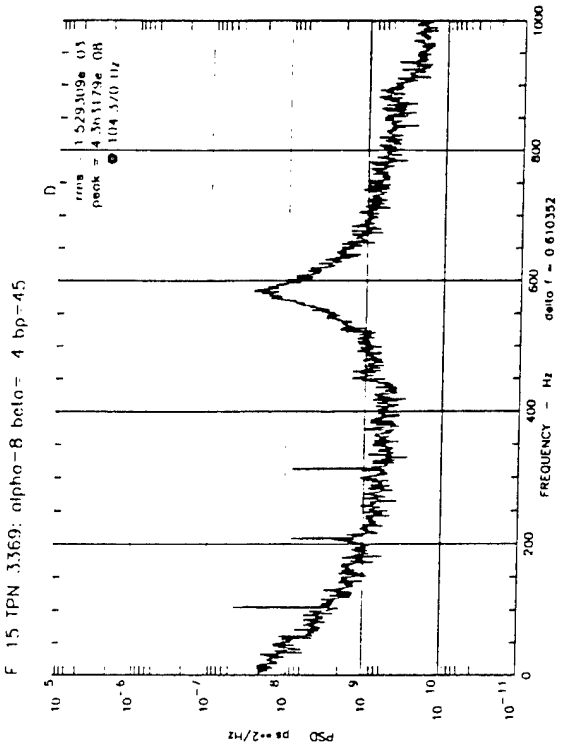


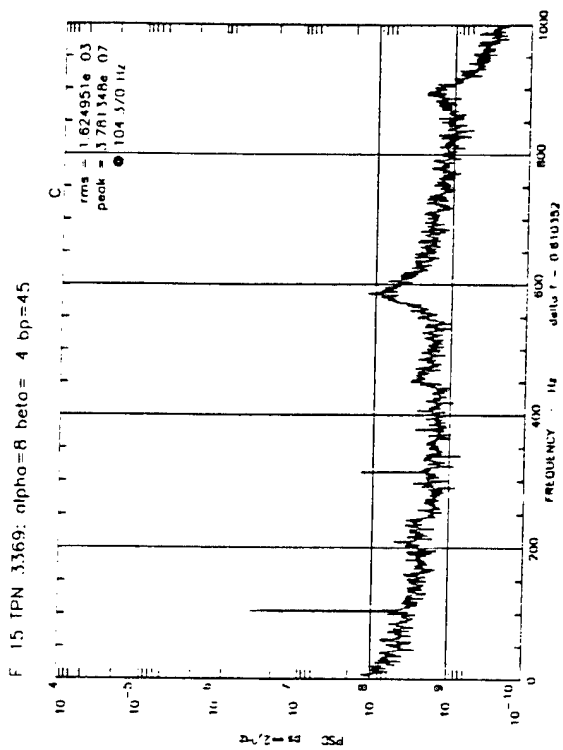
F-15 TPN 3343: alpha=32 beta=0 bp=45

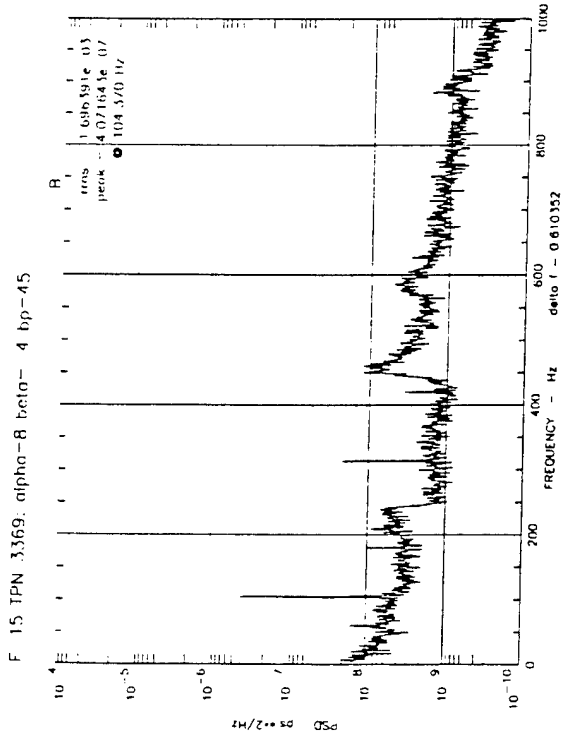


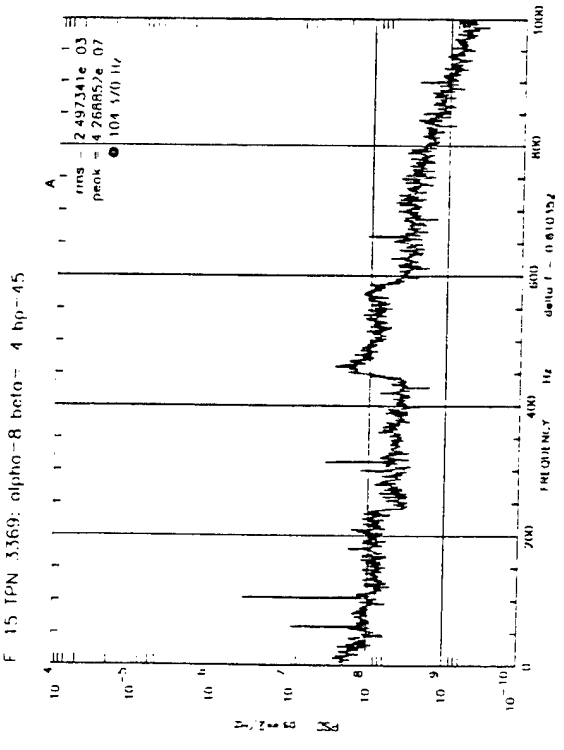
F-15 TPN 3343: alpha=32 beta=0 bp=45

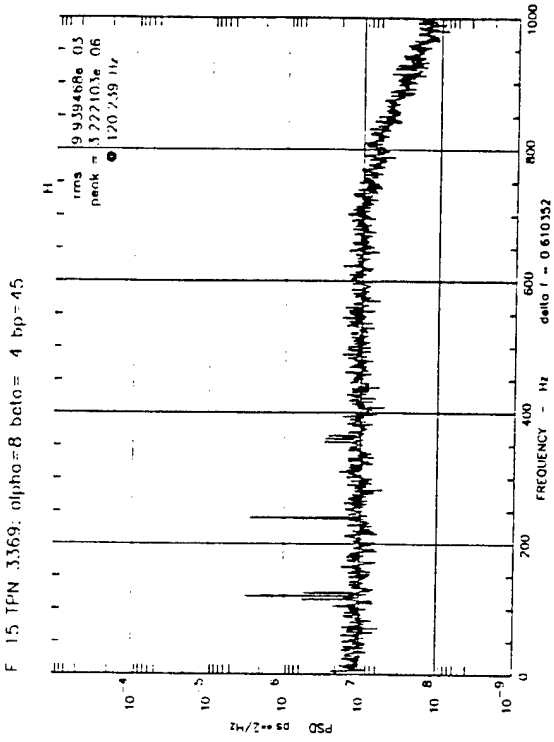


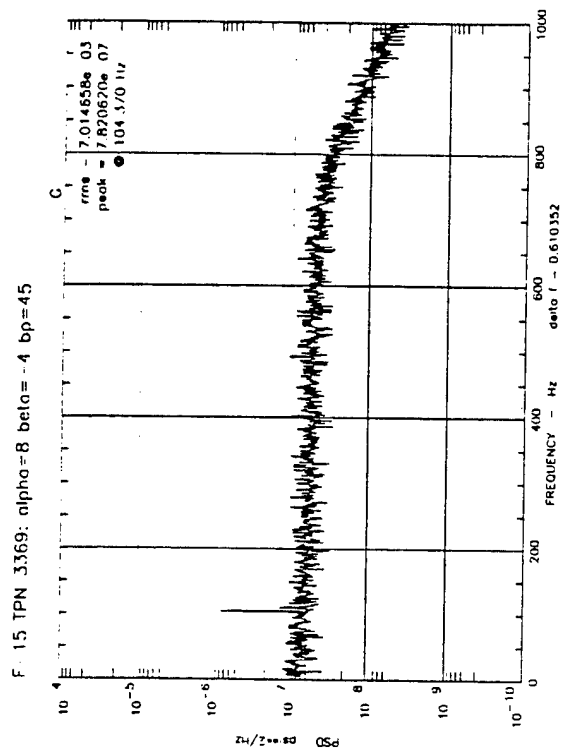

F 15 TPN 3369: alpha=8 beta= 4 bp=45
D
rms = 1.529309e 03
peak = 4.351179e 08
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

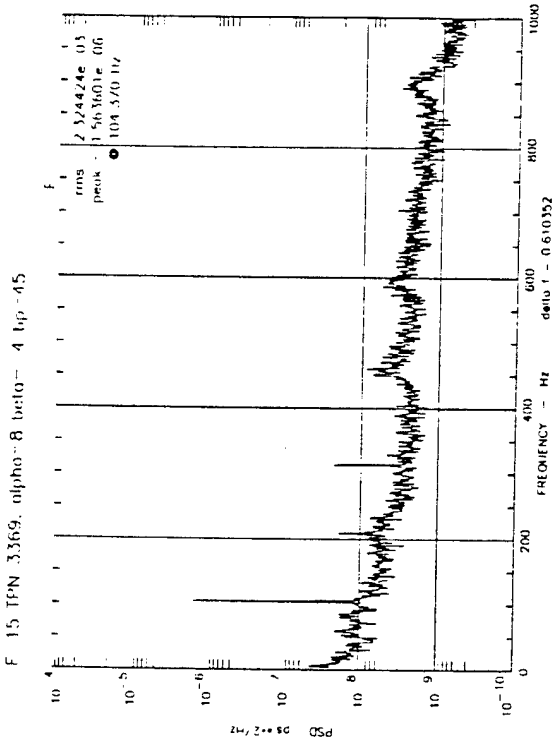

F 15 TPN 3369: alpha=8 beta= 4 bp=45
C
rms = 1.624951e 03
peak = 3.781348e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

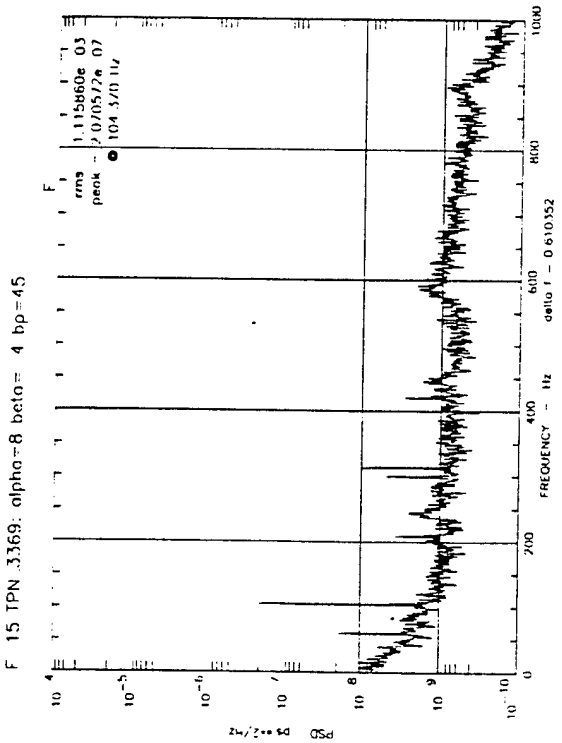

F 15 TPN 3369: alpha=8 beta= 4 bp=45
B
rms = 1.696591e 03
peak = 4.071641e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3369: alpha=8 beta= 4 bp=45
A
rms = 2.497341e 03
peak = 4.268852e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

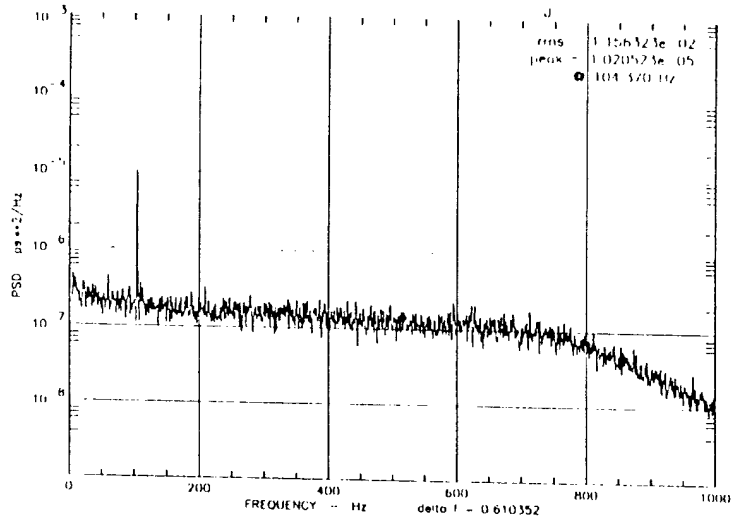

F 15 TPN 3369: alpha=8 beta= 4 bp=45
H
rms = 9.939468e 05
peak = 3.222103e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3369: alpha=8 beta=-4 bp=45
C
rms = 7.014658e 03
peak = 7.820620e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

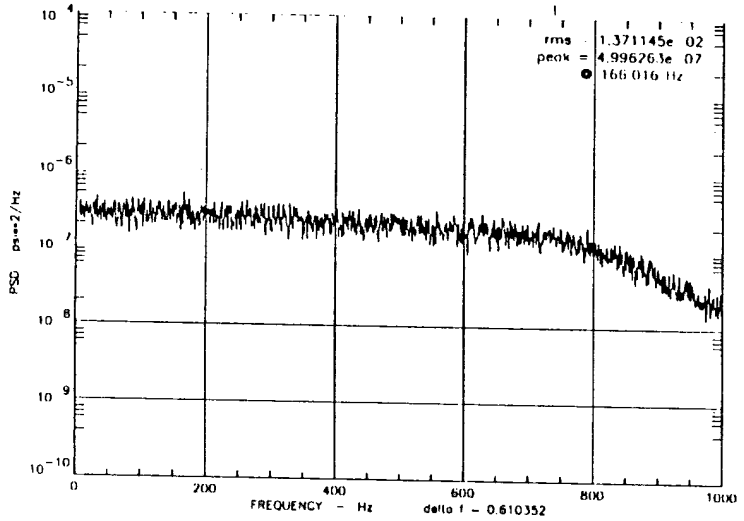

F 15 TPN 3369: alpha=8 beta= 4 bp=-45
F
rms = 2.524424e 05
peak = 1.563601e 06
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3369: alpha=8 beta= 4 bp=45
F
rms = 1.115860e 05
peak = 2.070572e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

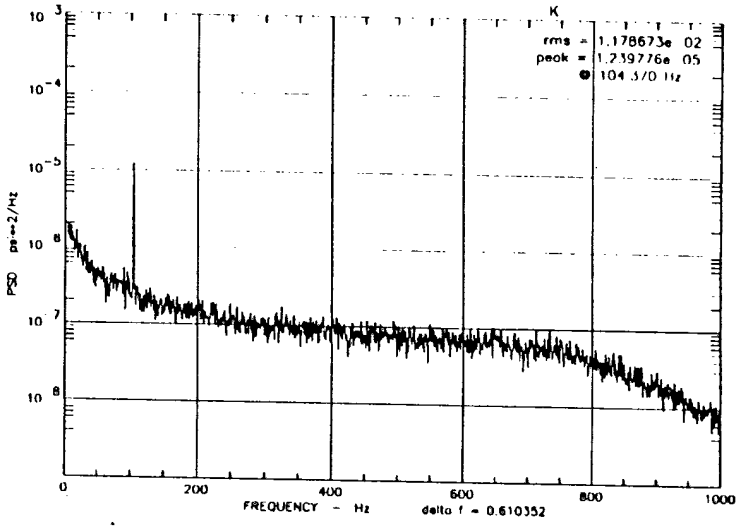
F 15 TPN 3369: alpha=8 beta= 4 bp=45

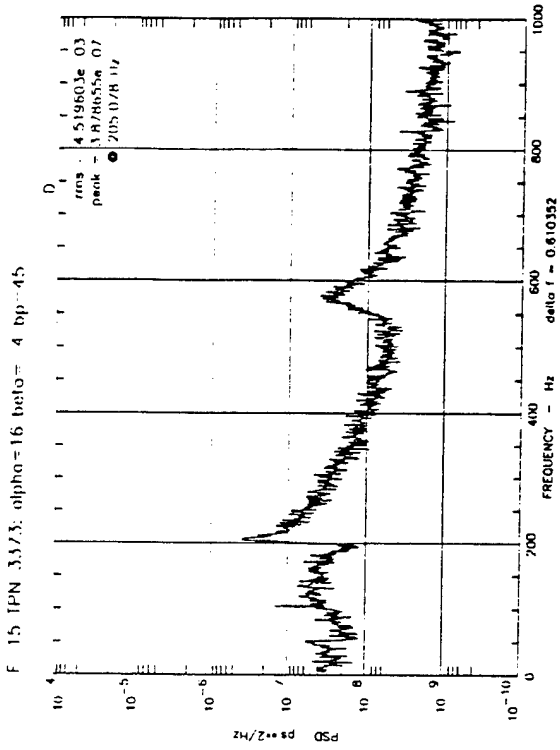


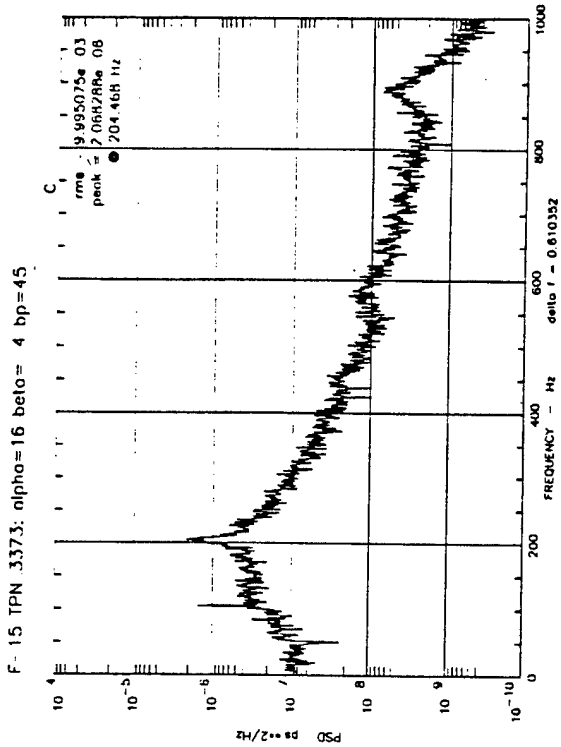
F 15 TPN 3369: alpha=8 beta= 4 bp=45

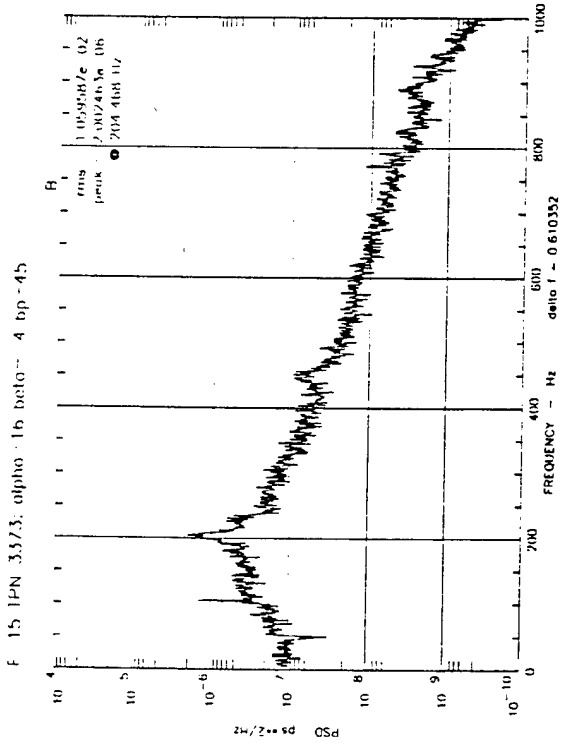


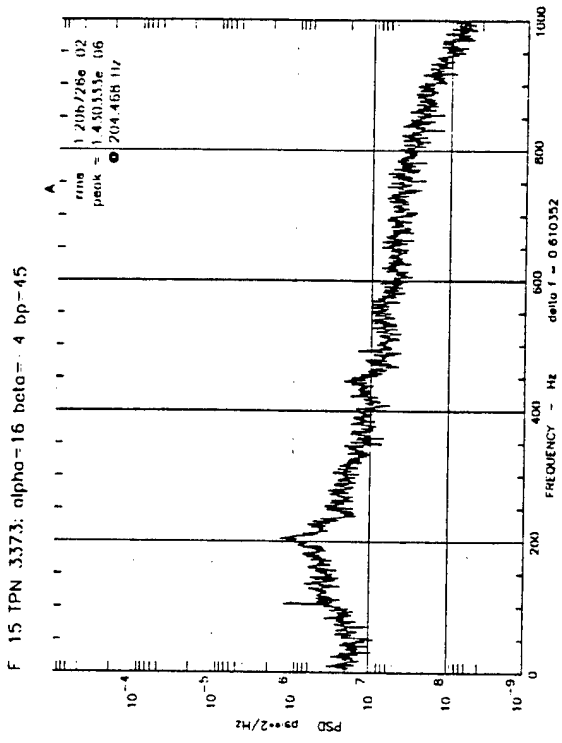
F 15 TPN 3369: alpha=8 beta= 4 bp=45

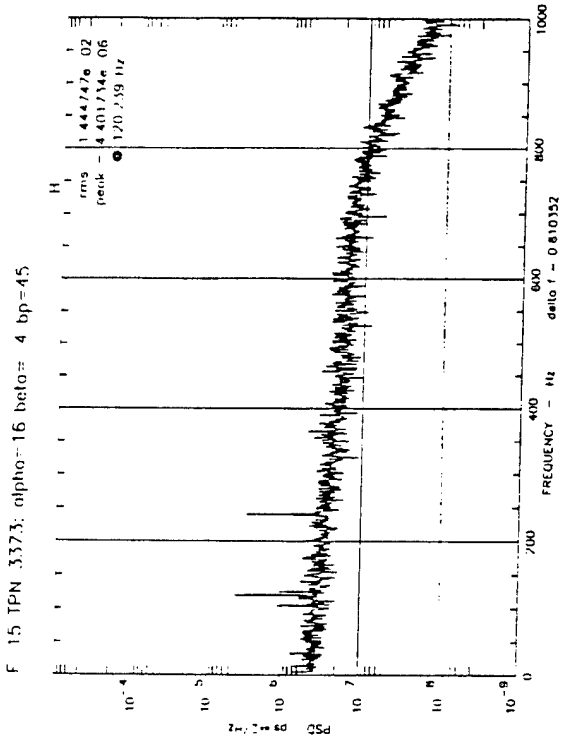


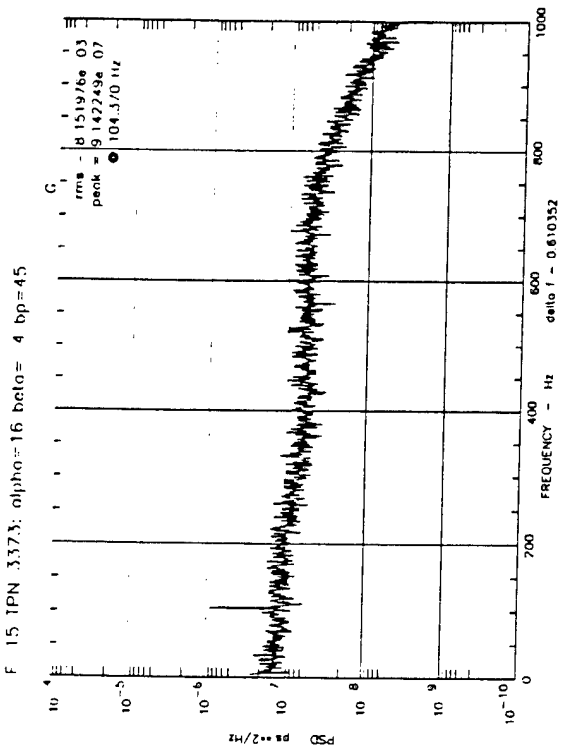

F 15 TPN 3373: alpha=16 beta= 4 bp=45
D
rms = 4.519603e 03
peak = 1.847655e 07
@ 205.078 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

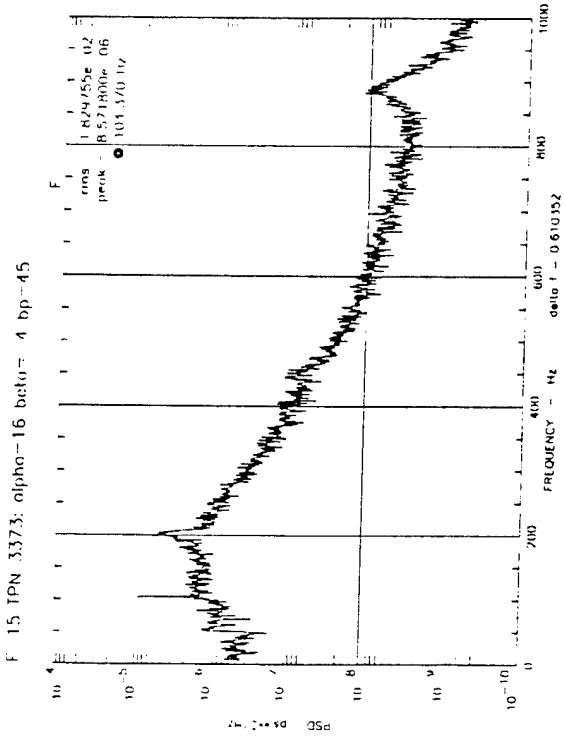

F 15 TPN 3373: alpha=16 beta= 4 bp=45
C
rms = 9.995075e 03
peak = 7.068288e 08
@ 204.468 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

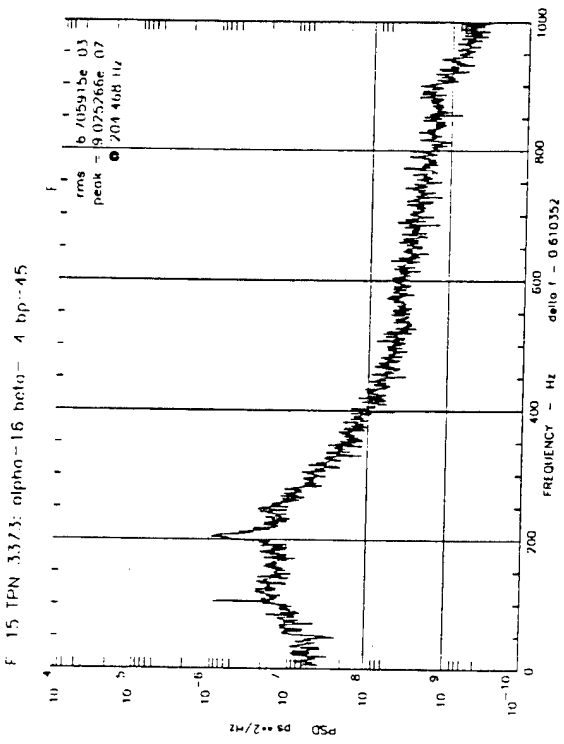

F 15 TPN 3373: alpha=16 beta= 4 bp=45
B
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

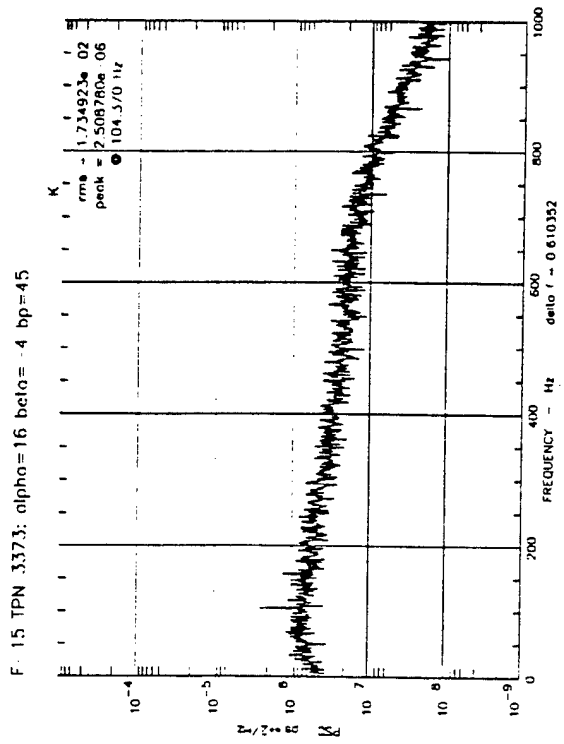

F 15 TPN 3373: alpha=16 beta= 4 bp=45
A
rms = 1.208726e 02
peak = 1.450331e 06
@ 204.468 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

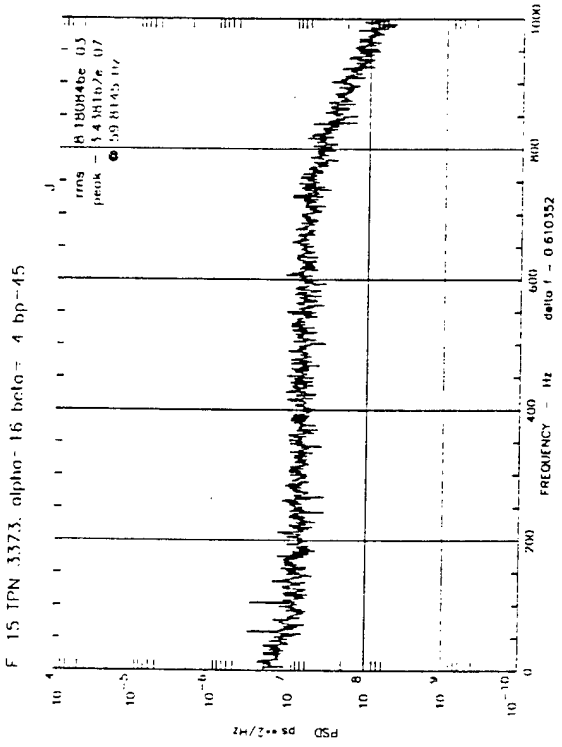

F 15 TPN 3373: alpha=16 beta= 4 bp=45
H
rms = 1.444747e 02
peak = 4.401714e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

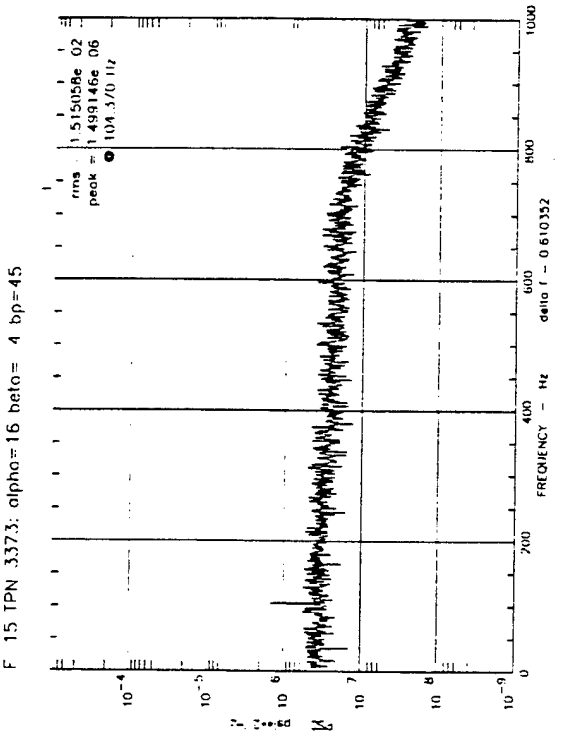

F 15 TPN 3373: alpha=16 beta= 4 bp=45
G
rms = 8.151976e 03
peak = 9.142249e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

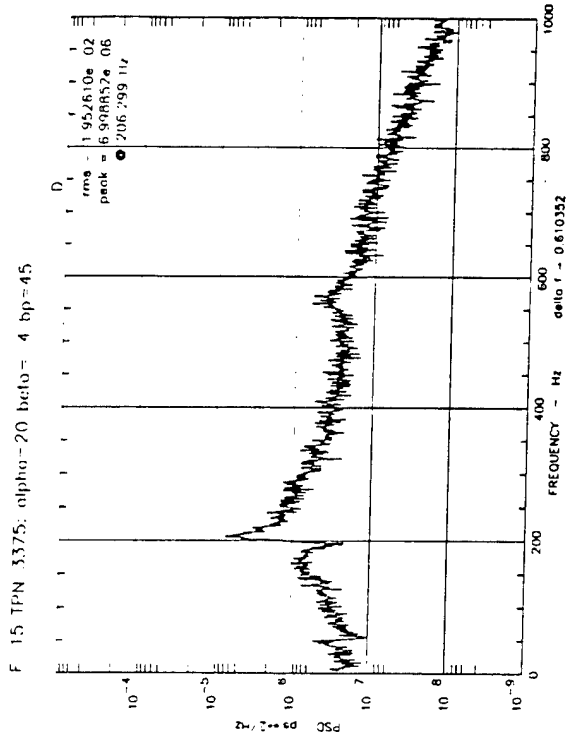

F 15 TPN 3373: alpha=16 beta= 4 bp=45
F
rms = 1.424455e 02
peak = 8.571806e 06
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

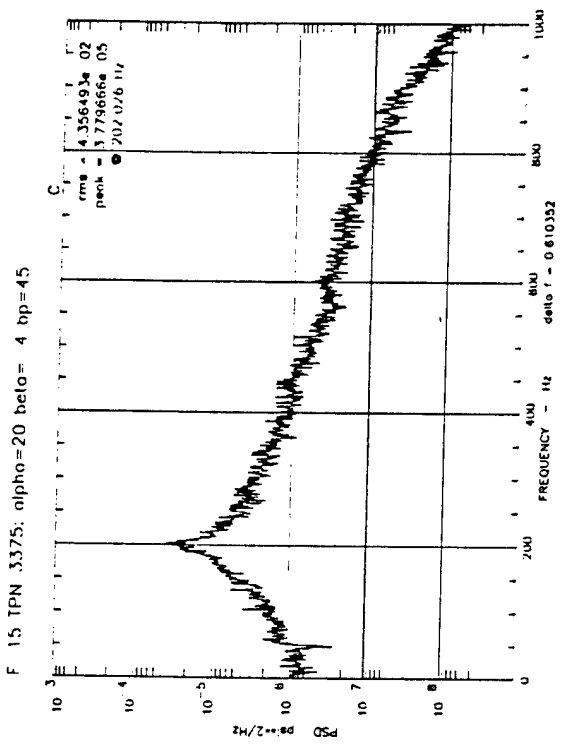

F 15 TPN 3373: alpha=16 beta= 4 bp=45
E
rms = 8.059156e 03
peak = 9.025266e 07
@ 204.468 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

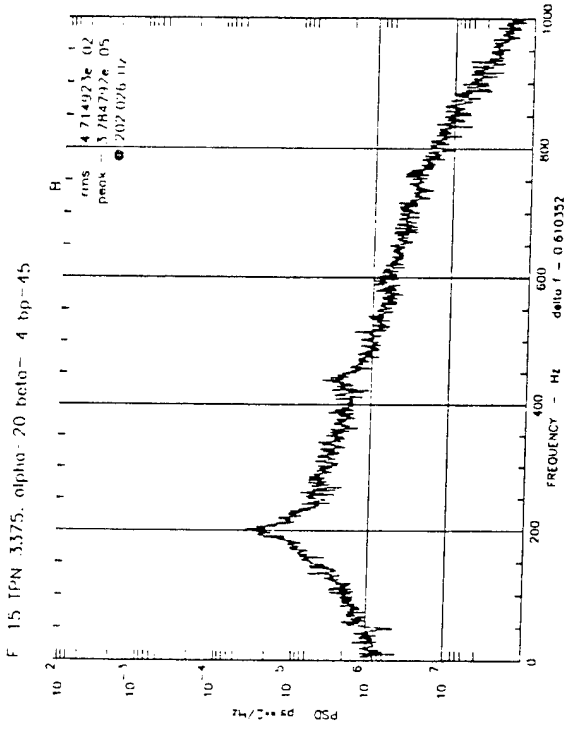

F 15 TPN 3373: alpha=16 beta= 4 bp=45
K
rms = 1.734923e 02
peak = 2.508780e 06
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

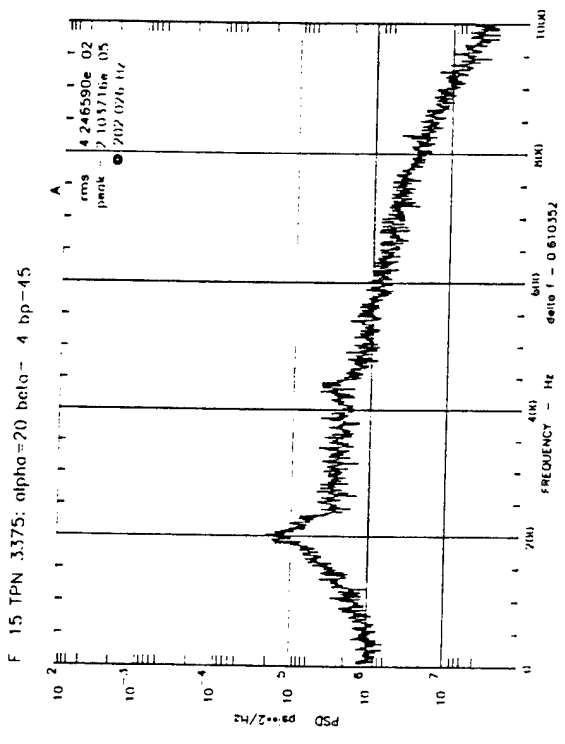

F 15 TPN 3373: alpha=16 beta= 4 bp=45
J
rms = 1.515058e 02
peak = 1.499146e 06
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

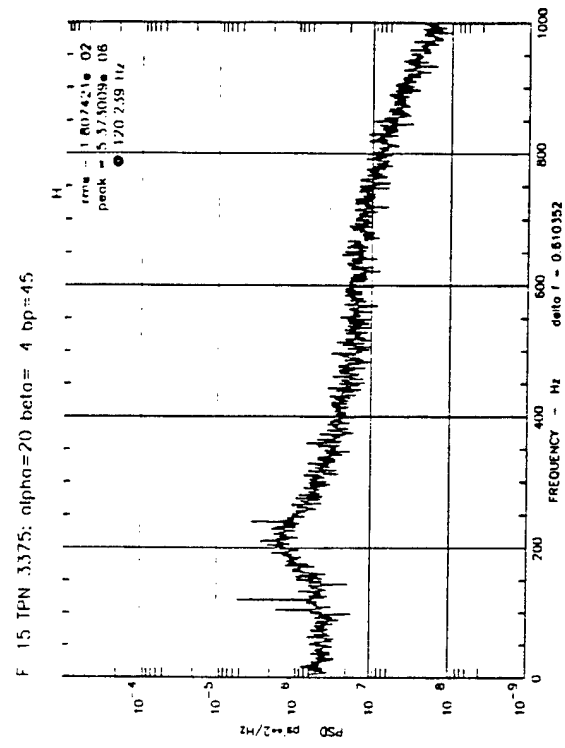

F 15 TPN 3373: alpha=16 beta= 4 bp=45
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

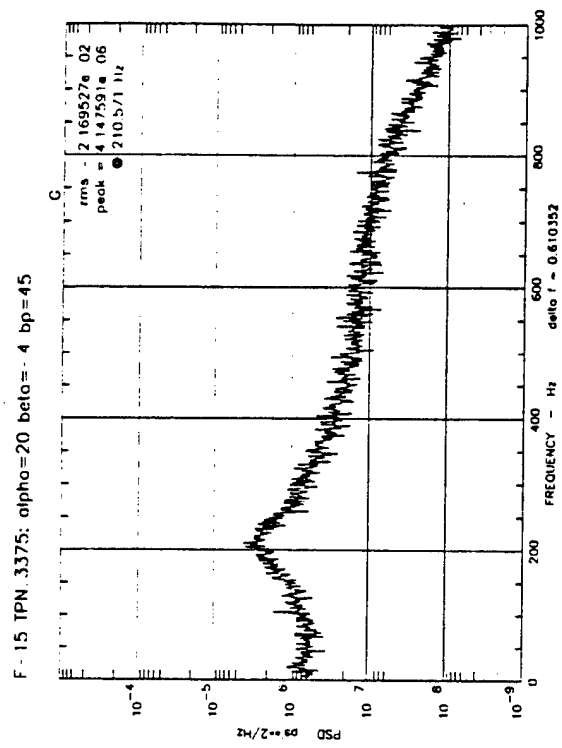

F 15 TPN 3375: alpha=20 beta= 4 bp=45
D
rms = 1.952610e 02
peak = 6.908857e 06
@ 206.299 Hz
PSD p9.**2/Hz
FREQUENCY - Hz
delta f = 0.610352

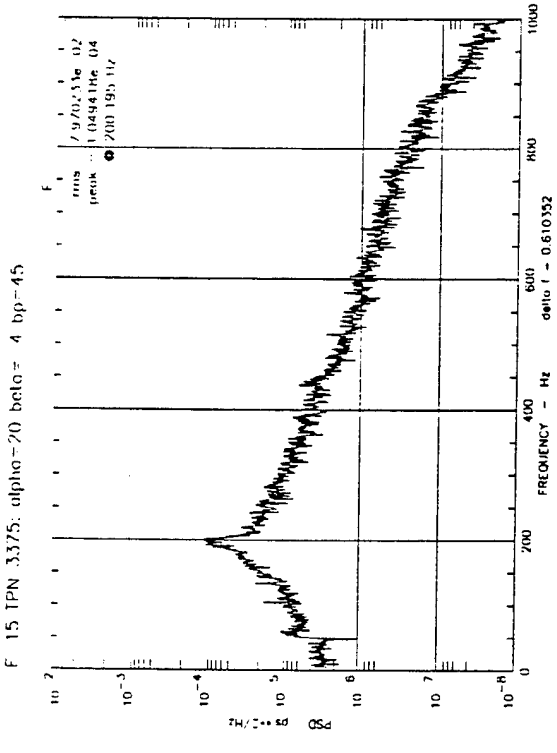

F 15 TPN .3375: alpha=20 beta= 4 bp=45
C
rms = 4.356493e 02
peak = 3.779666e 05
@ 202.026 Hz
PSD p9.**2/Hz
FREQUENCY - Hz
delta f = 0.610352

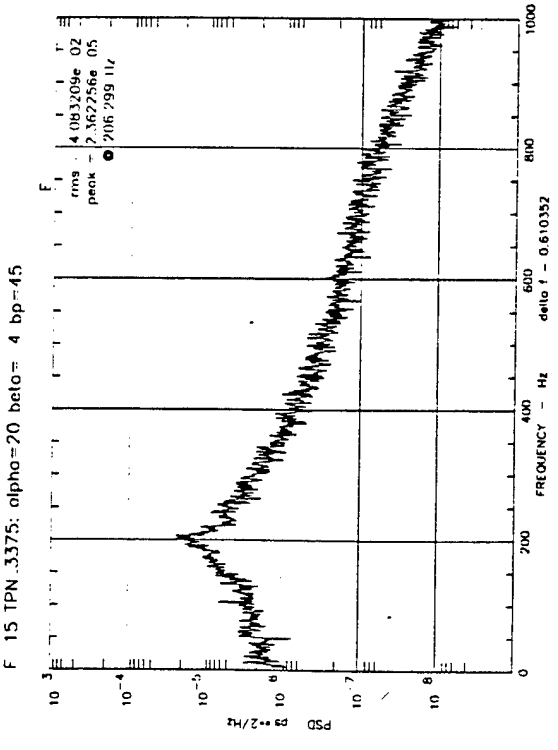

F 15 TPN 3375: alpha=20 beta= 4 bp=45
B
rms = 4.714923e 02
peak = 3.784792e 05
@ 202.026 Hz
PSD p9.**2/Hz
FREQUENCY - Hz
delta f = 0.610352

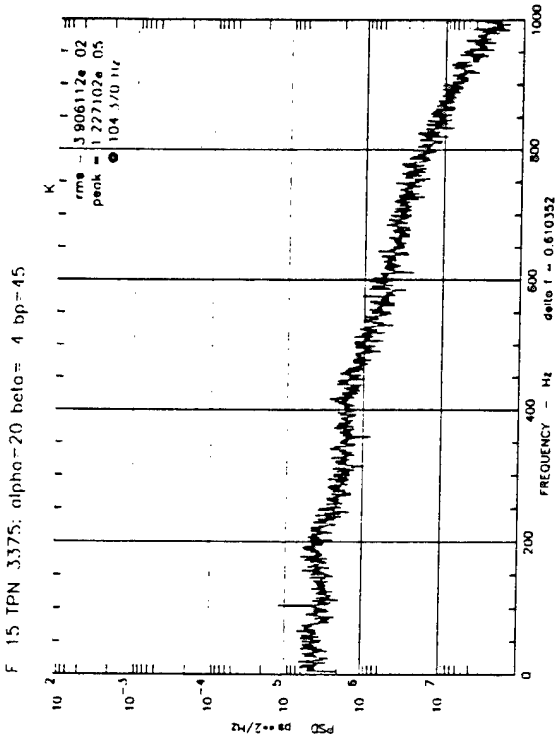

F 15 TPN 3375: alpha=20 beta= 4 bp=45
A
rms = 4.246590e 02
peak = 3.103716e 05
@ 202.026 Hz
PSD p9.**2/Hz
FREQUENCY - Hz
delta f = 0.610352

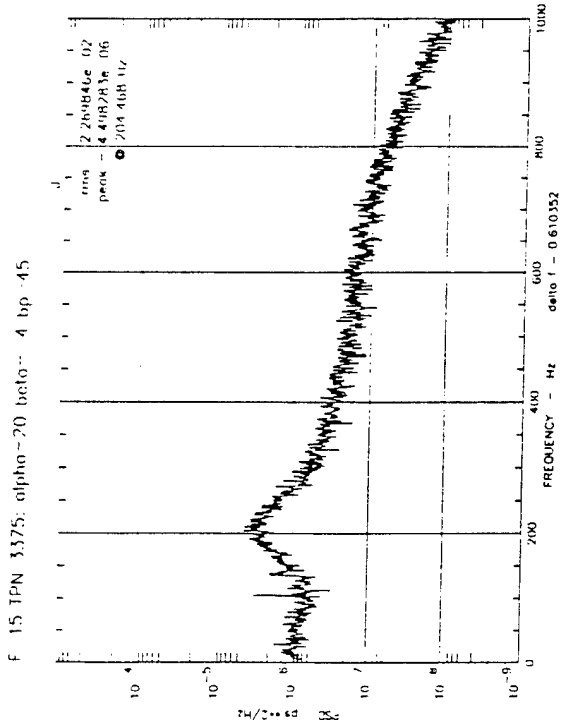

F 15 TPN .3375: alpha=20 beta= 4 bp=45
H
rms = 1.807421e 02
peak = 5.373009e 08
@ 120.259 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

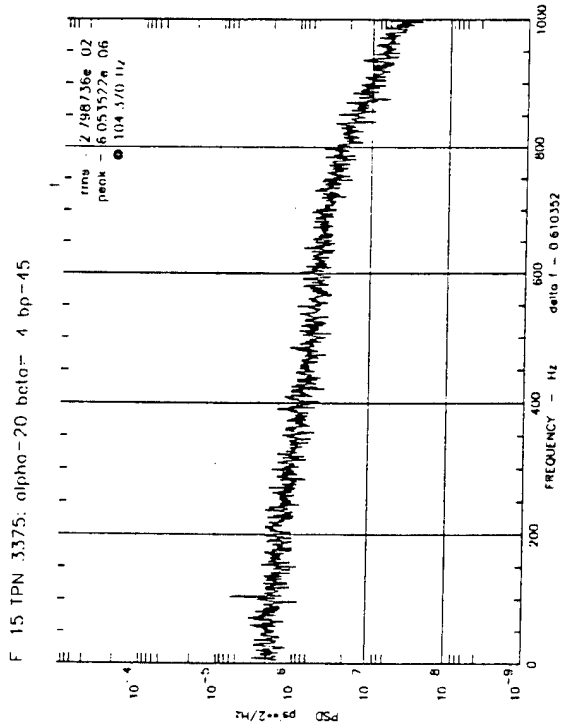

F 15 TPN .3375: alpha=20 beta= 4 bp=45
G
rms = 2.169527e 02
peak = 4.147591e 06
@ 210.571 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

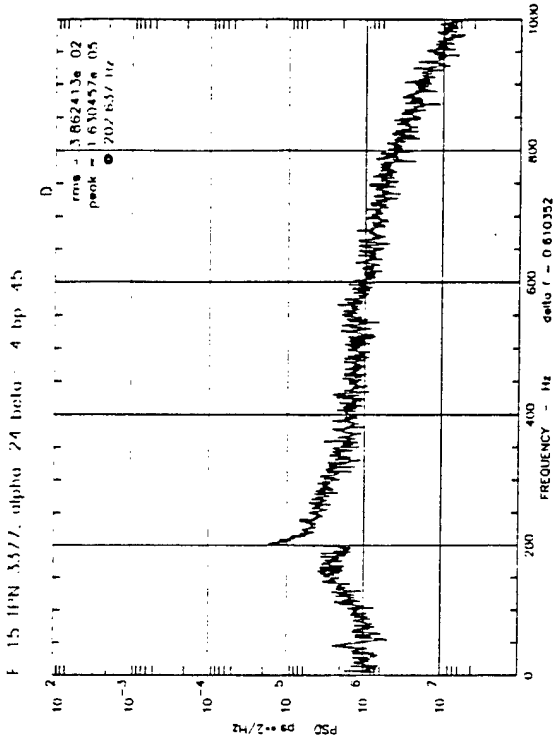

F 15 TPN .3375: alpha=20 beta= 4 bp=45
F
rms = 7.970251e 02
peak = 1.049411e 04
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

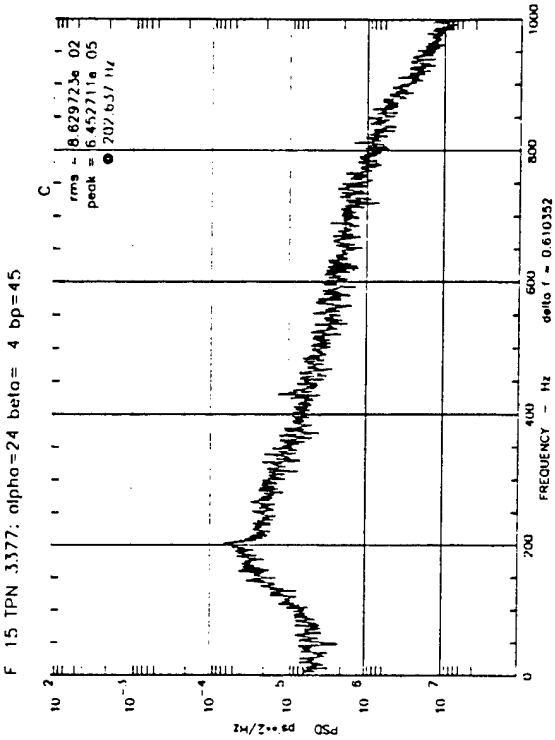

F 15 TPN .3375: alpha=20 beta= 4 bp=45
F
rms = 4.083209e 02
peak = 2.362256e 05
@ 206.299 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

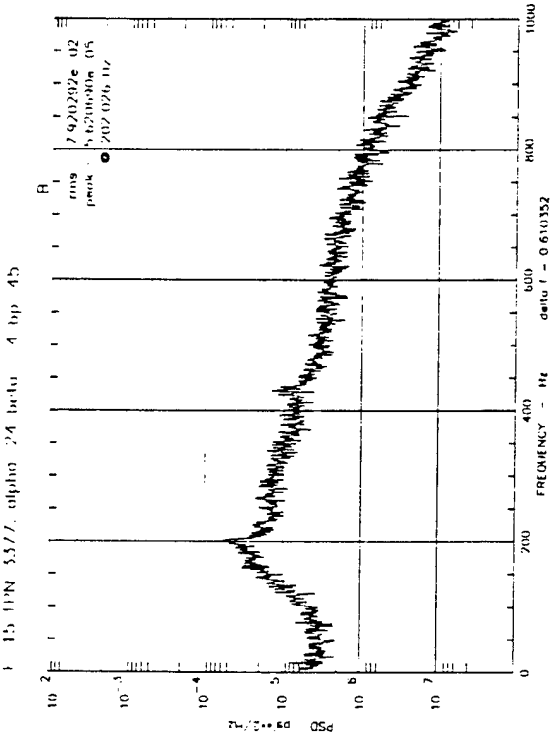

F 15 TPN 3375: alpha=20 beta= 4 bp=45
K
rms = 3.906112e 02
peak = 1.227102e 05
@ 104.370 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

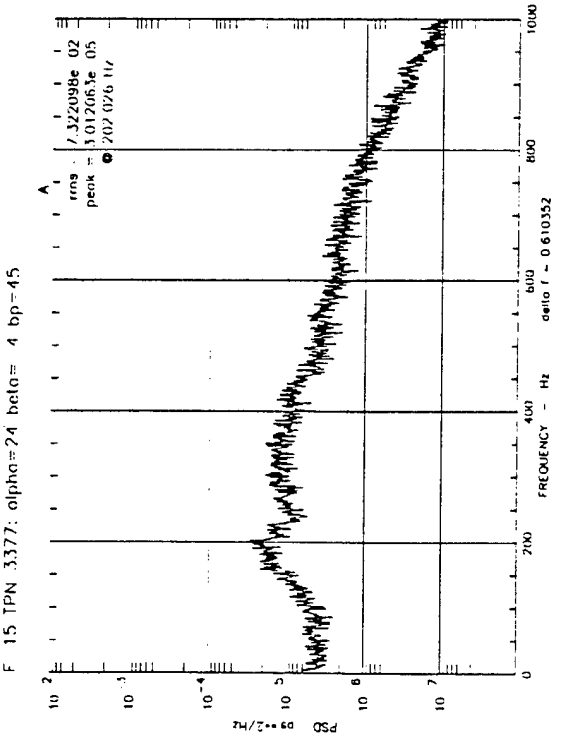

F 15 TPN 3375: alpha=20 beta= 4 bp=45
J
rms = 2.268846e 02
peak = 4.418283e 06
@ 104.468 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

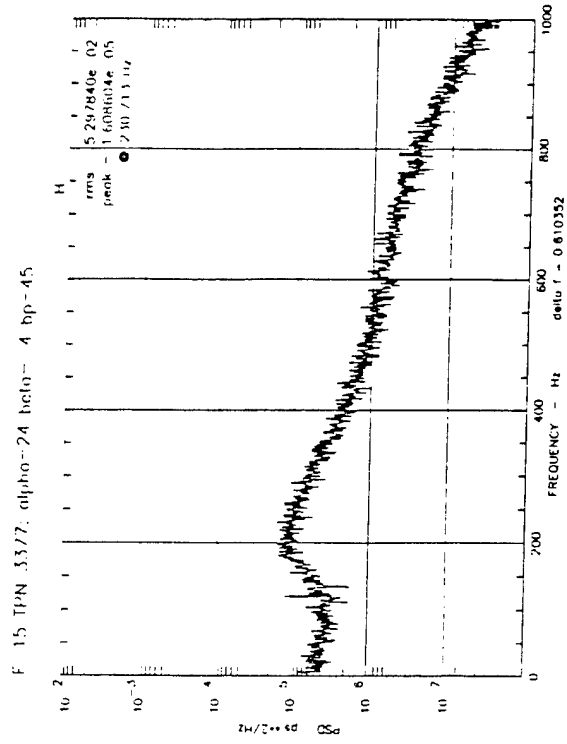

F 15 TPN 3375: alpha=20 beta= 4 bp=45
I
rms = 2.198736e 02
peak = 6.053522e 06
@ 104.370 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

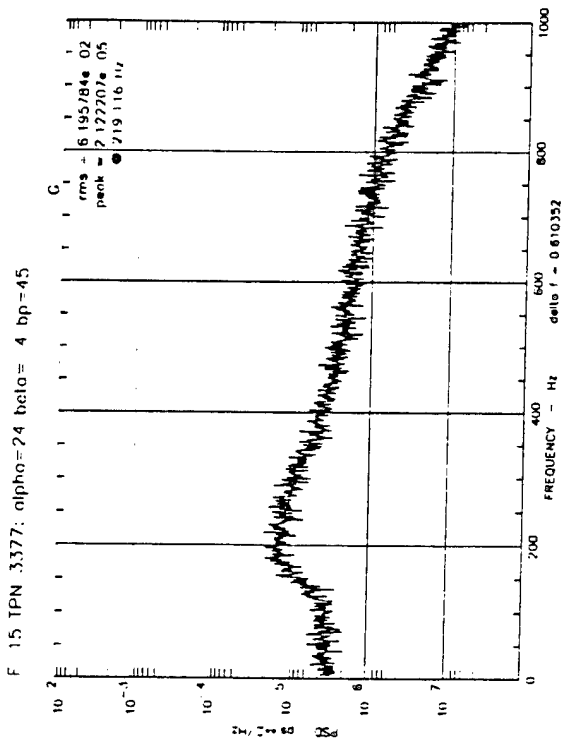

F 15 TPN 3377: alpha=24 beta= 4 bp=45
D
rms = 3.862413e 02
peak = 1.630457e 05
@ 202.637 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

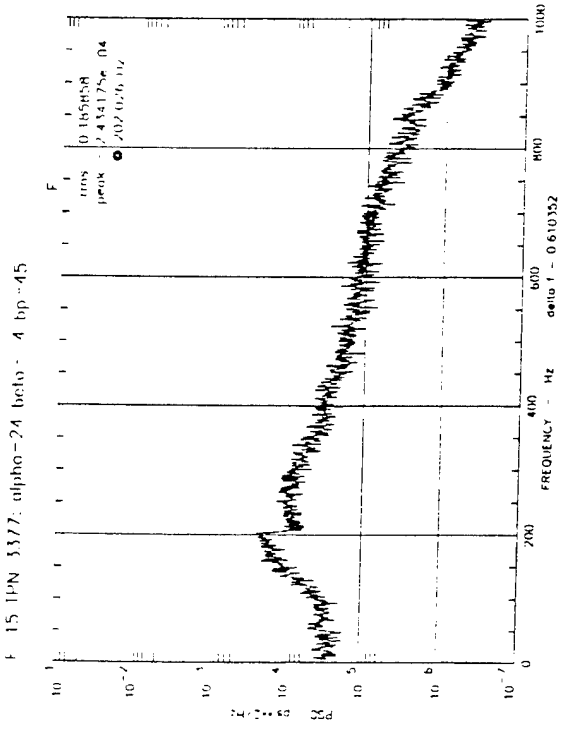

F 15 TPN 3377: alpha=24 beta= 4 bp=45
C
rms = 8.629723e 02
peak = 6.452711e 05
@ 202.637 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

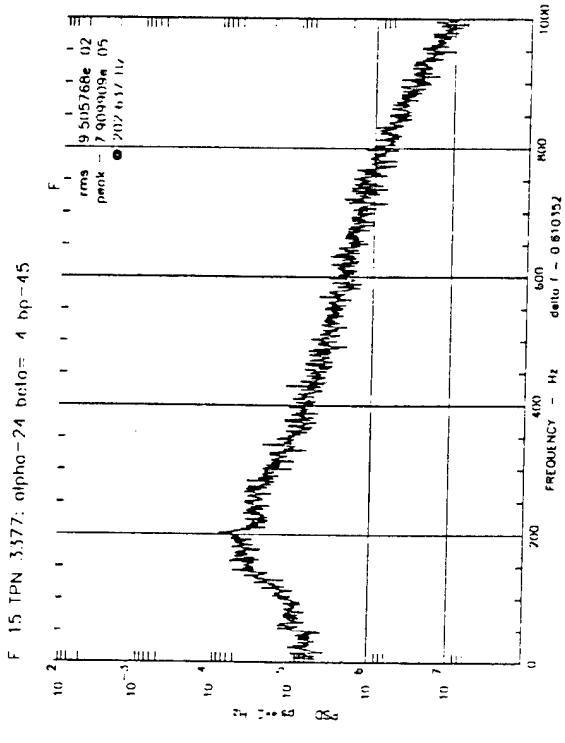

F 15 TPN 3377: alpha=24 beta= 4 bp=45
B
rms = 7.920292e 02
peak = 5.820080e 05
@ 202.026 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3377: alpha=24 beta= 4 bp=45
A
rms = 7.322098e 02
peak = 5.012063e 05
@ 202.026 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

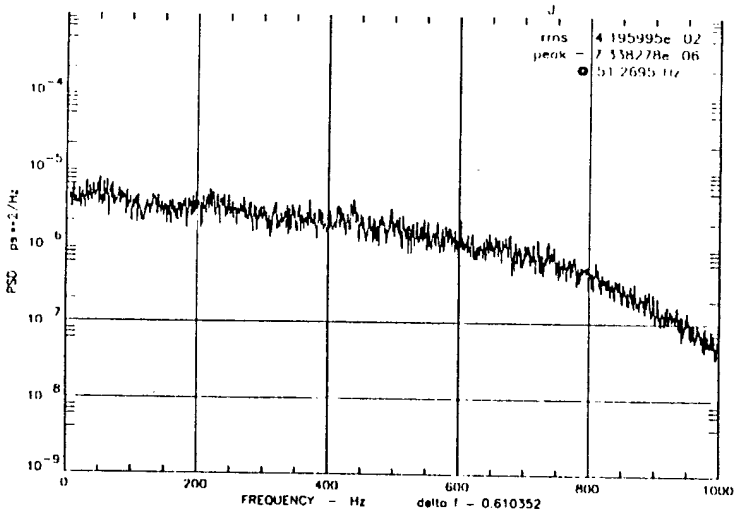

F 15 TPN 3377: alpha=24 beta= 4 bp=45
H
rms 5.297840e 02
peak - 1.608604e 05
@ 210.713 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN 3377: alpha=24 beta= 4 bp=45
G
rms ± 6.195784e 02
peak - 2.122207e 05
@ 219.116 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f - 0.610352

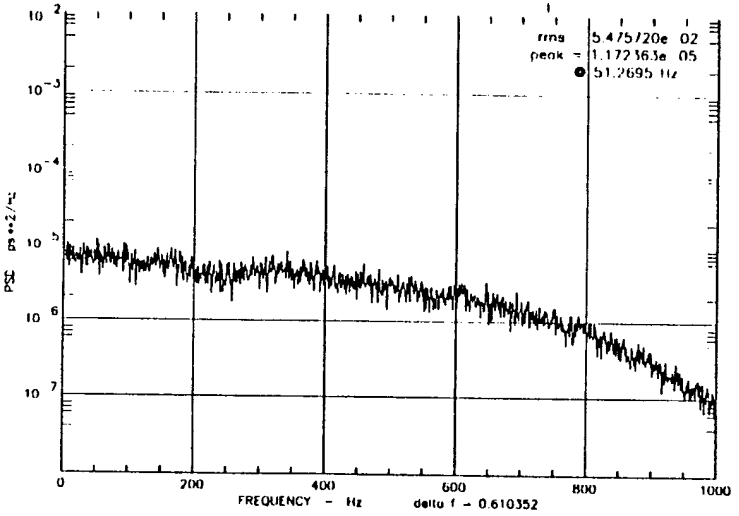

F 15 TPN 3377: alpha=24 beta= 4 bp=45
F
rms 0.185858
peak - 2.434175e 04
@ 202.026 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN 3377: alpha=24 beta= 4 bp=45
F
rms 9.505768e 02
peak - 7.909909e 05
@ 207.617 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f - 0.610352

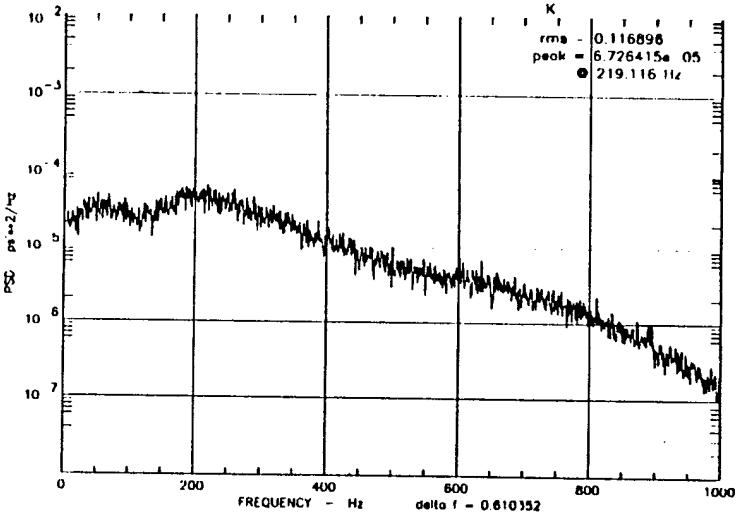
F 15 TPN 3377: alpha=24 beta= 4 bp=45

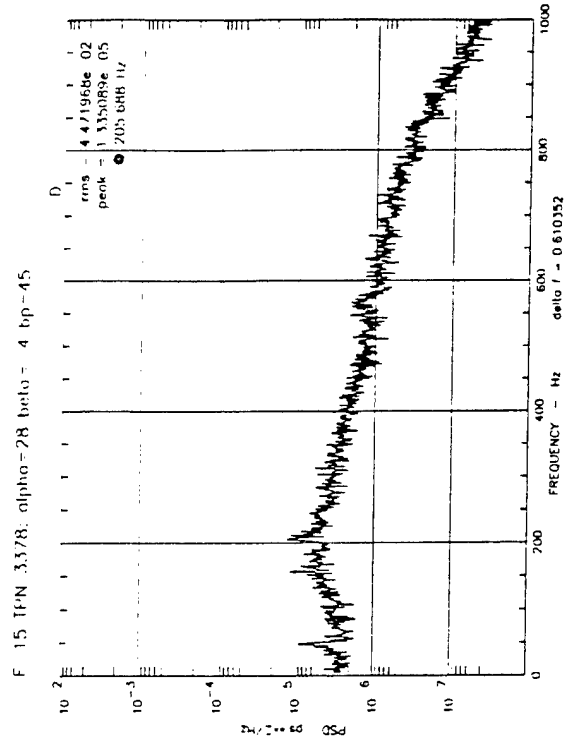


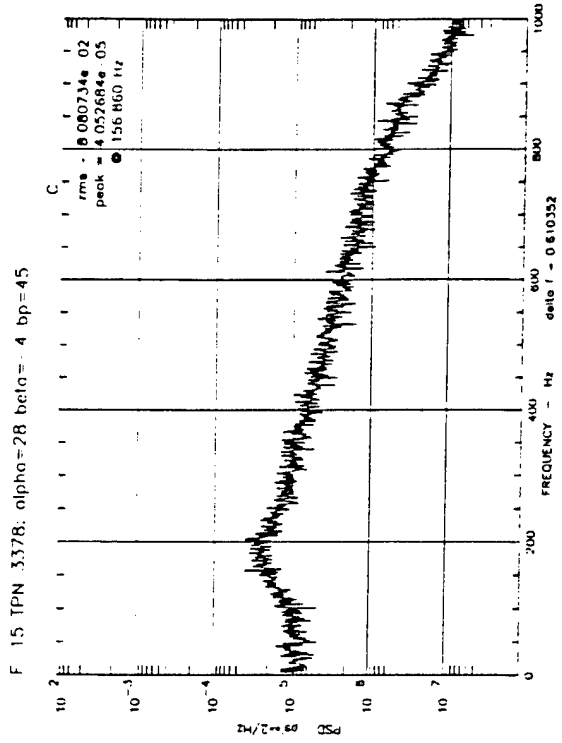
F 15 TPN 3377: alpha=24 beta= 4 bp=45

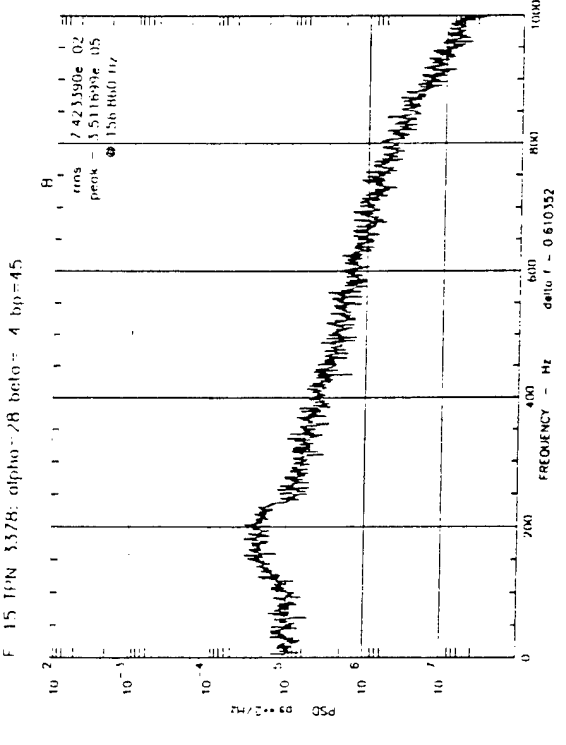


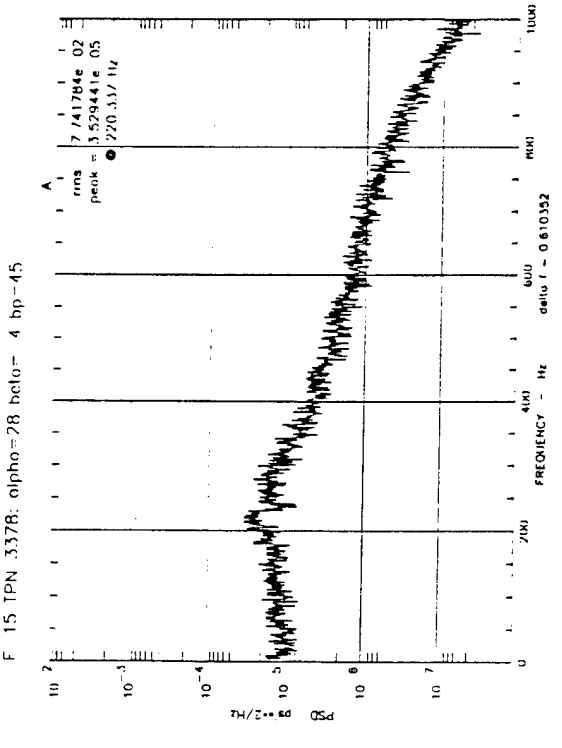
F 15 TPN 3377: alpha=24 beta= -4 bp=45

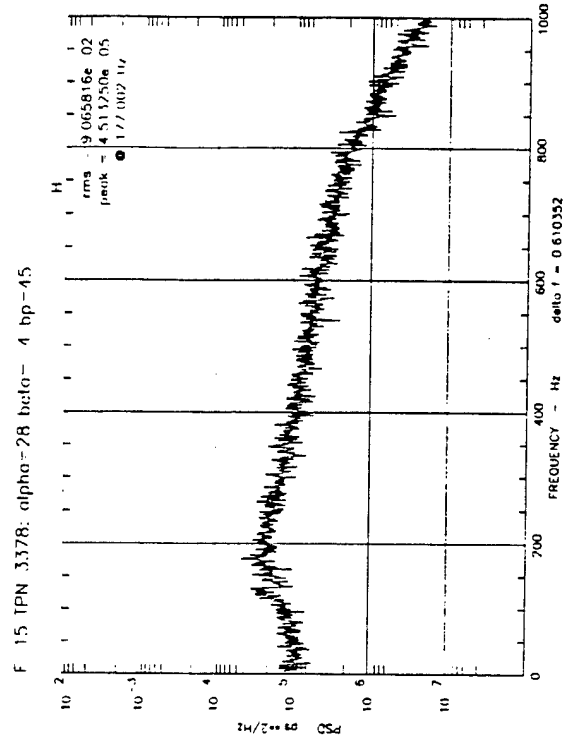


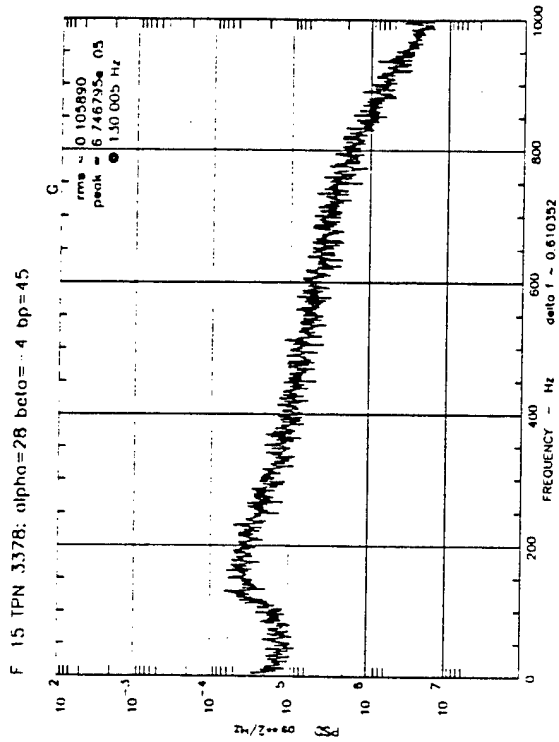

F 15 TPN 3378: alpha=28 beta= 4 bp=45
D
rms = 4.471968e 02
peak = 1.339089e 05
@ 205.6MB Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

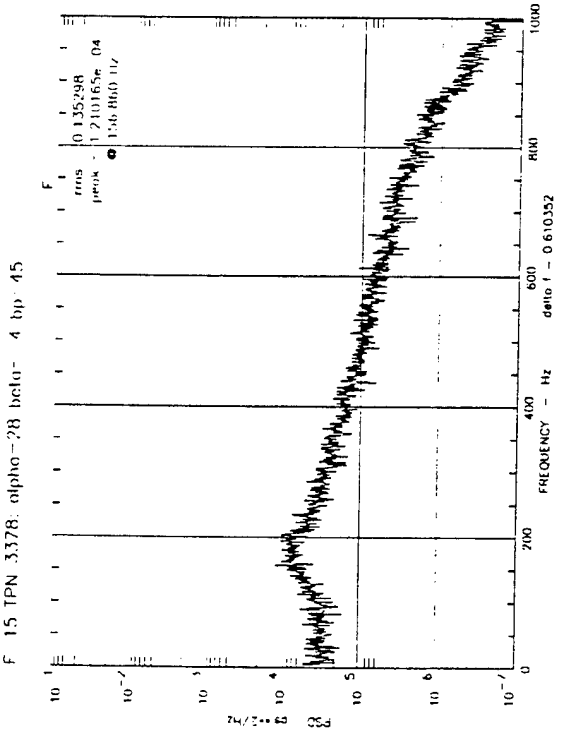

F 15 TPN 3378: alpha=28 beta= 4 bp=45
C
rms = 8.080734e 02
peak = 4.052684e 05
@ 156.860 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

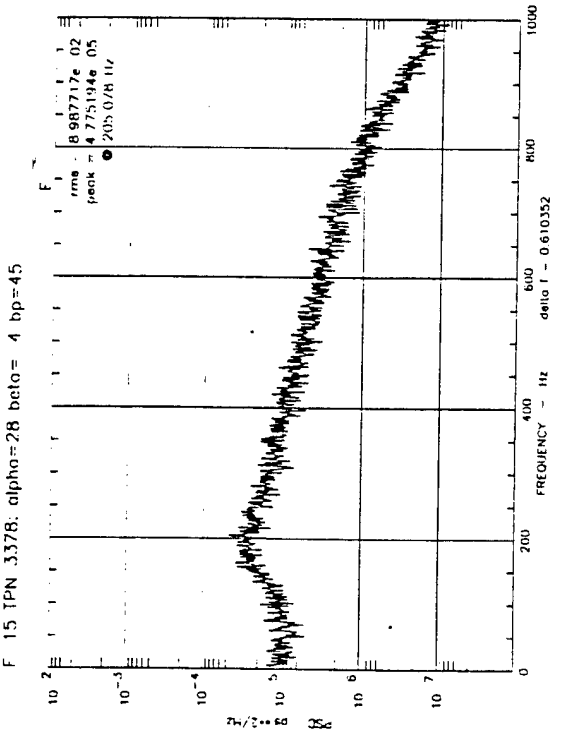

F 15 TPN 3378: alpha=28 beta= 4 bp=45
B
rms = 7.423390e 02
peak = 3.511699e 05
@ 156.860 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3378: alpha=28 beta= 4 bp=45
A
rms = 7.741784e 02
peak = 3.529441e 05
@ 220.337 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

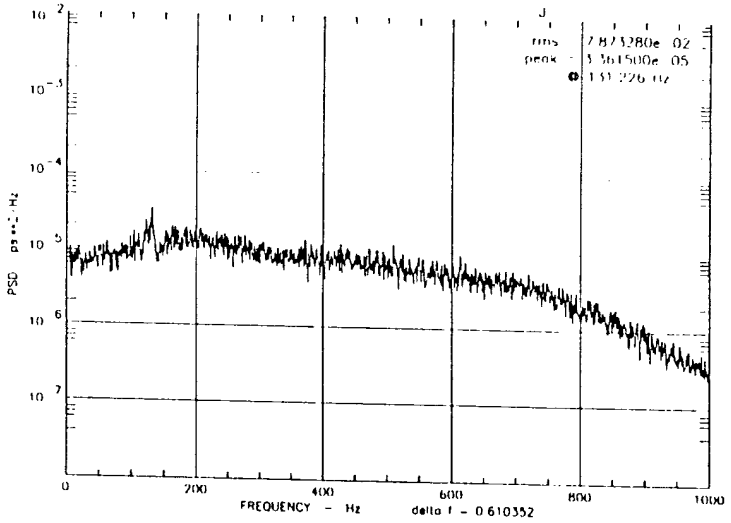

F 15 TPN 3378: alpha=28 beta= 4 bp=45
H
rms = 9.065816e 02
peak = 4.511250e 05
@ 177.002 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3378: alpha=28 beta= 4 bp=45
G
rms = 0.105890
peak = 6.746795e 05
@ 150.005 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

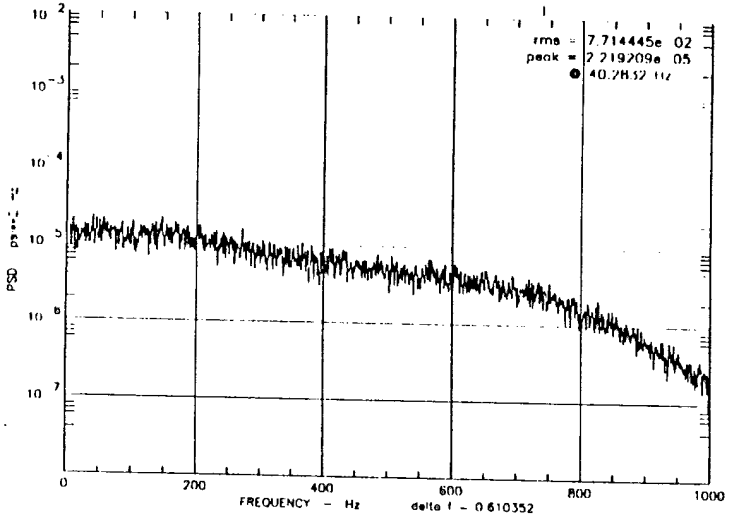

F 15 TPN 3378: alpha=28 beta= 4 bp=45
F
rms = 0.135298
peak = 1.210165e 04
@ 156.860 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3378: alpha=28 beta= 4 bp=45
F
rms = 8.987717e 02
peak = 4.775194e 05
@ 205.078 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

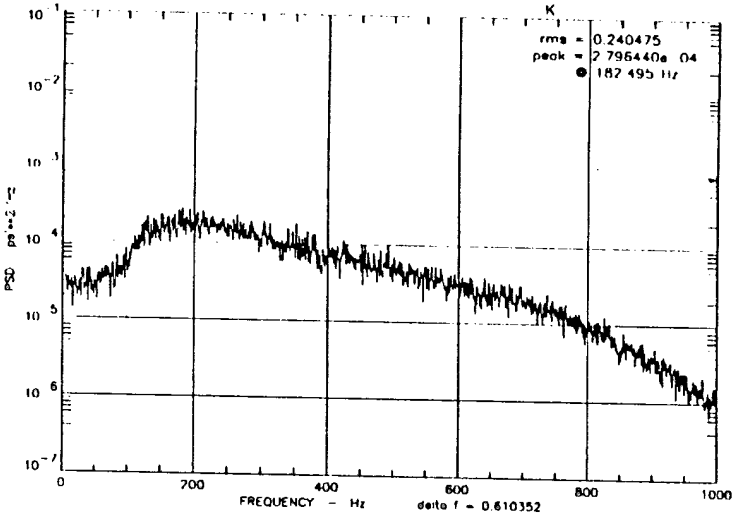
F 15 TPN 3378, alpha 28 beta 4 bp 45

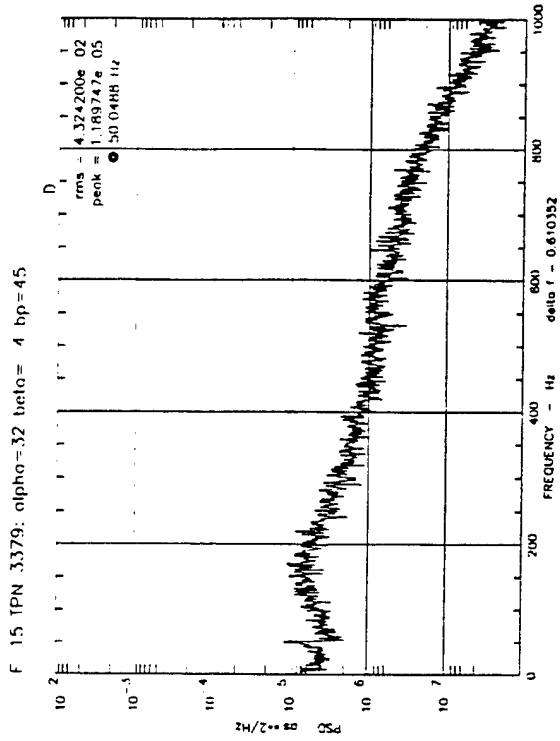


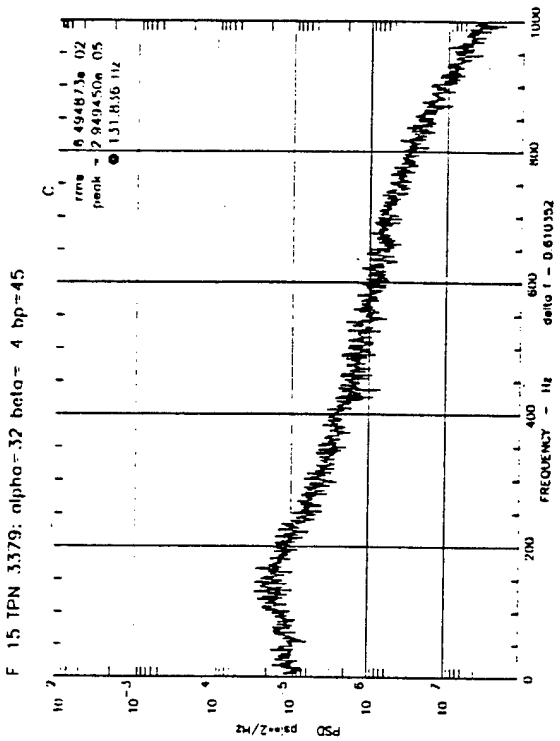
F 15 TPN 3378: alpha=28 beta= 4 bp=45

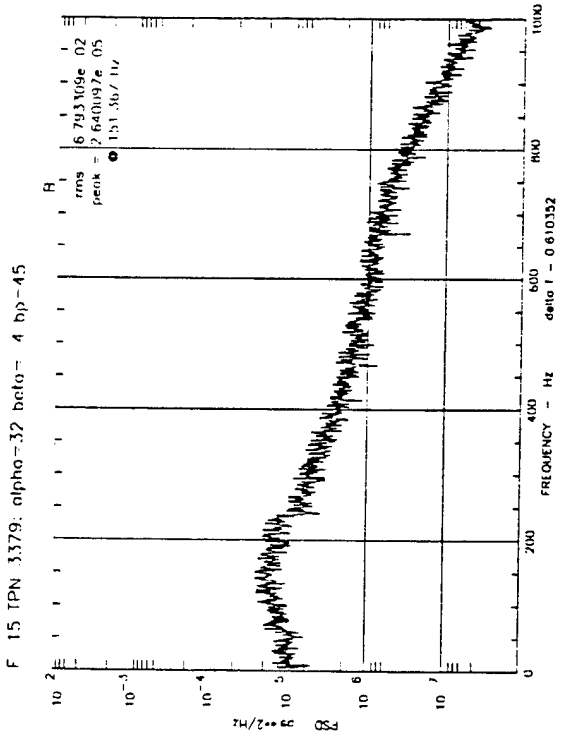


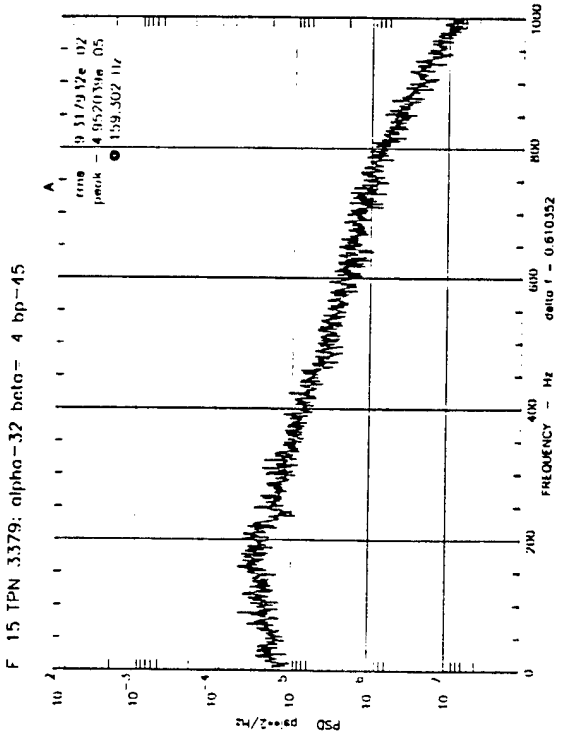
F 15 TPN 3378: alpha=28 beta= 4 bp=45

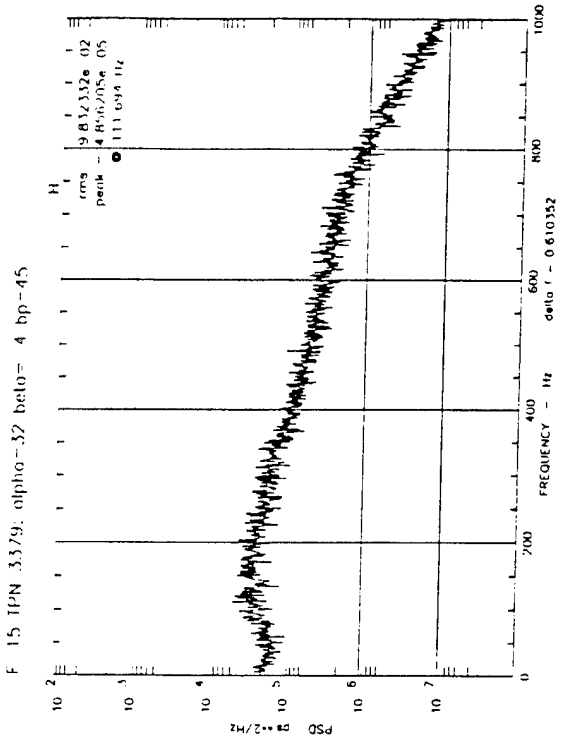


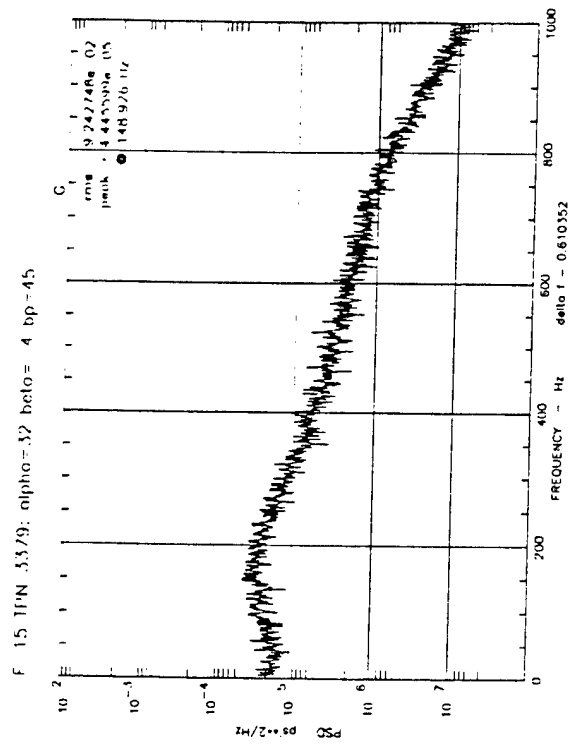

F 15 TPN 3379: alpha=.32 beta= 4 bp=45
D
rms = 4.324200e 02
peak = 1.189747e 05
@ 50.0488 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

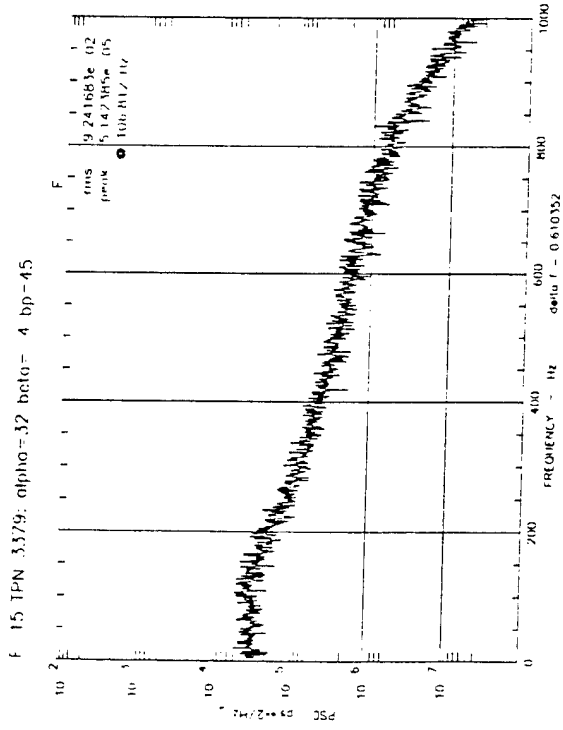

F 15 TPN 3379: alpha=.32 beta= 4 bp=45
C
rms = 6.494873e 02
peak = 2.949450e 05
@ 131.836 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

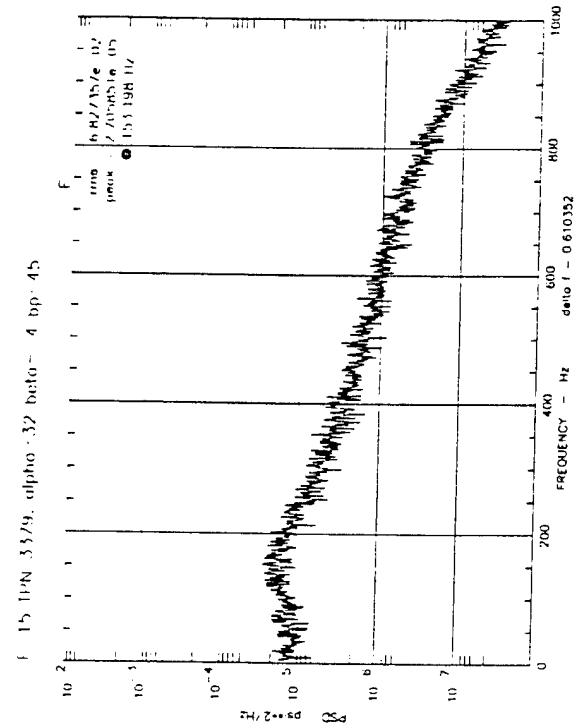

F 15 TPN 3379: alpha=.32 beta= 4 bp=45
B
rms = 6.793169e 02
peak = 2.640097e 05
@ 131.287 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3379: alpha=.32 beta= 4 bp=45
A
rms = 9.317912e 02
peak = 4.952035e 05
@ 159.302 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

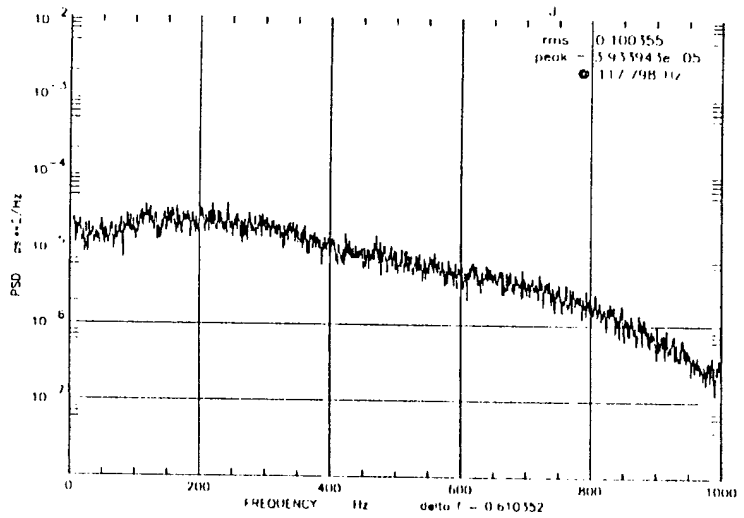

F 15 TPN 3379: alpha=.32 beta= 4 bp=45
PSD
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN 3379: alpha=.32 beta= 4 bp=45
PSD
FREQUENCY - Hz
delta f - 0.610352

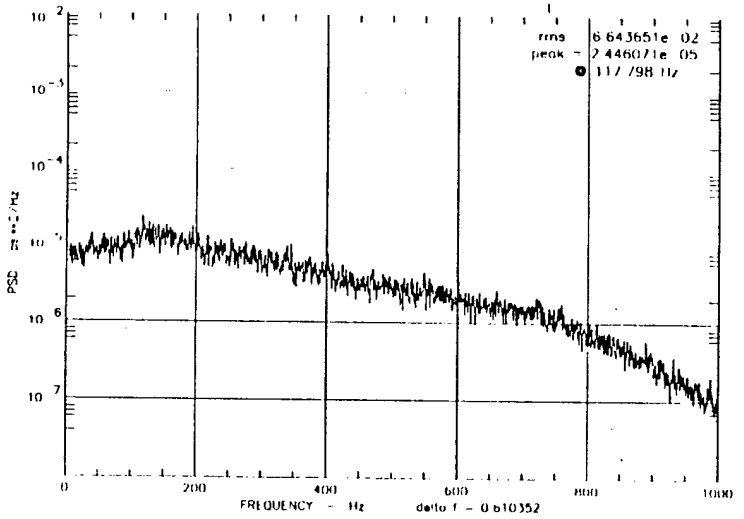

F 15 TPN 3379: alpha=.32 beta= 4 bp=45
PSD
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN 3379: alpha=.32 beta= 4 bp=45
PSD
FREQUENCY - Hz
delta f - 0.610352

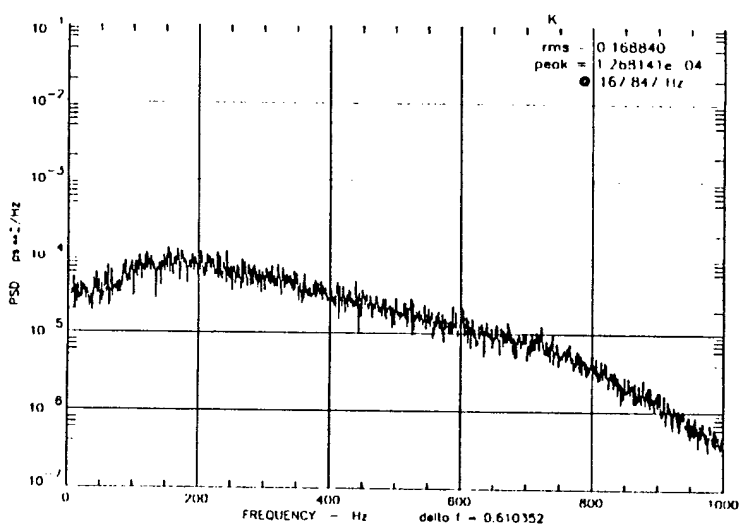
F 15 TPN 3379: alpha=32 beta= 4 bp=45

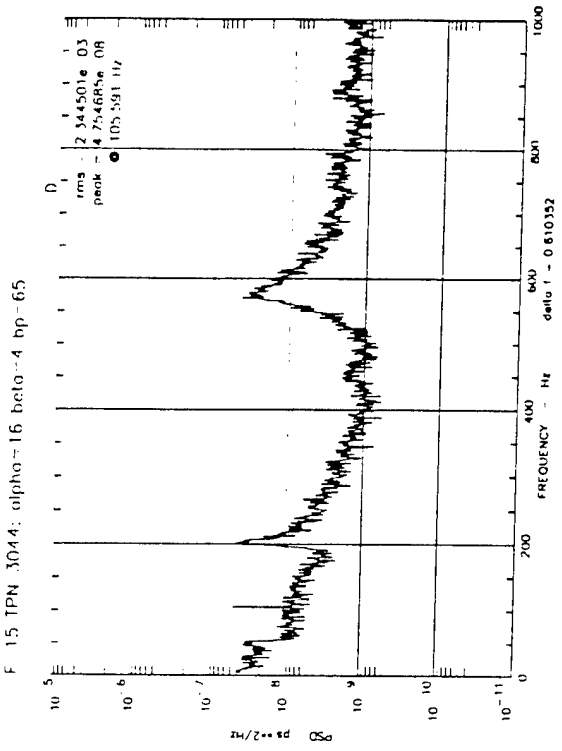


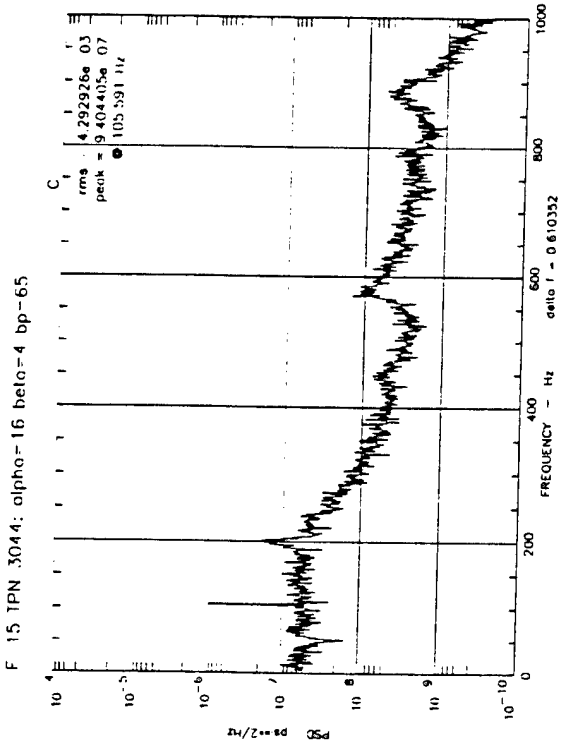
F 15 TPN 3379: alpha=32 beta= 4 bp=45

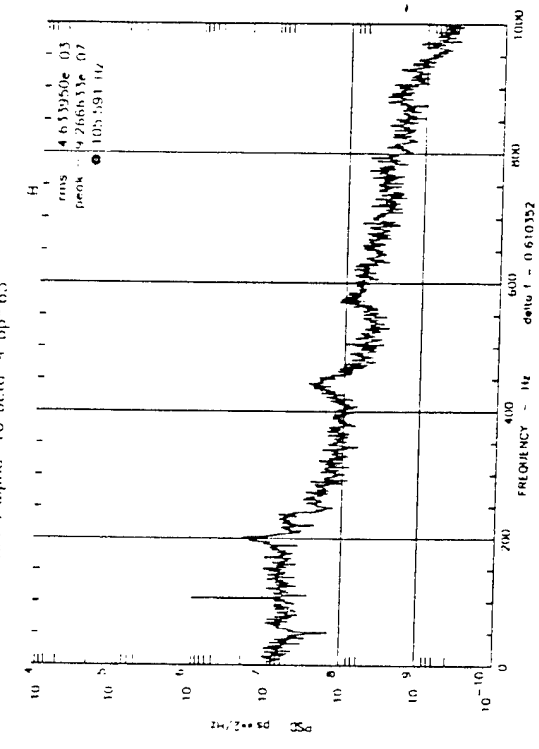


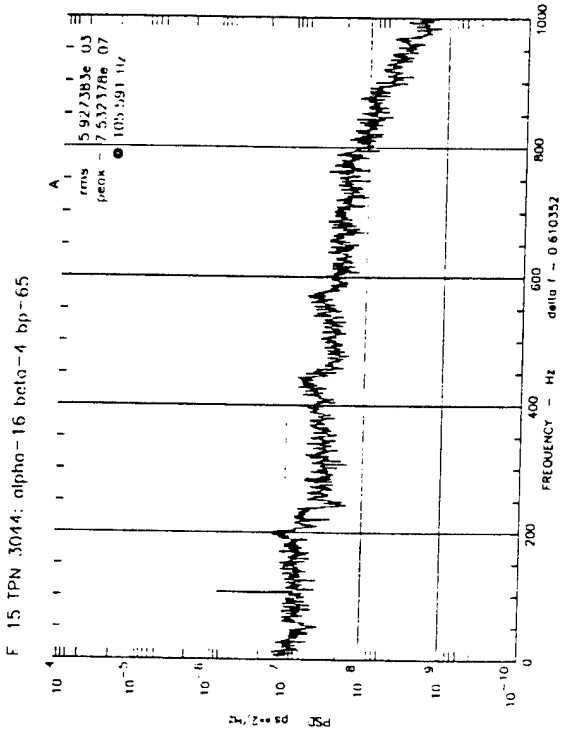
F 15 TPN 3379: alpha=32 beta= 4 bp=45

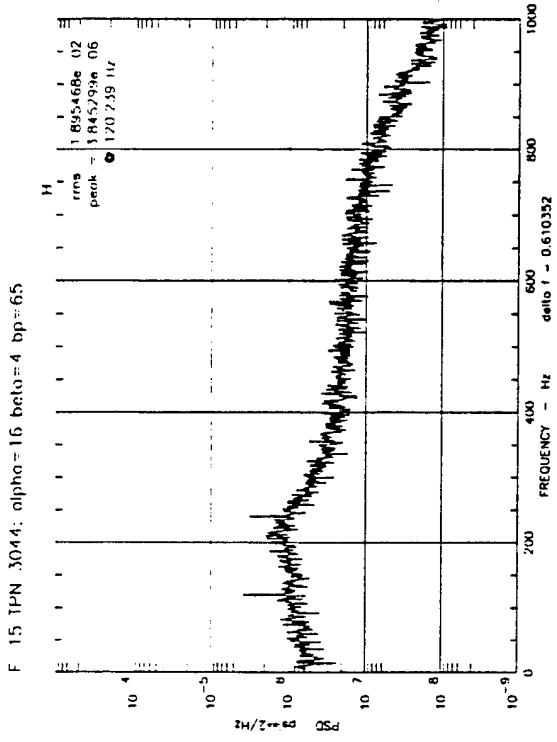


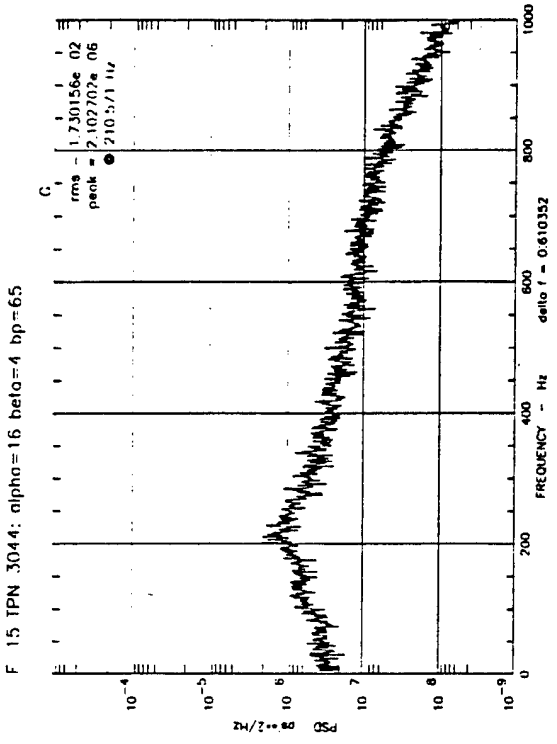

F 15 TPN 3044: alpha=16 beta=4 bp=65
D
rms = 2.344501e 03
peak = 4.754685e 08
@ 105.391 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

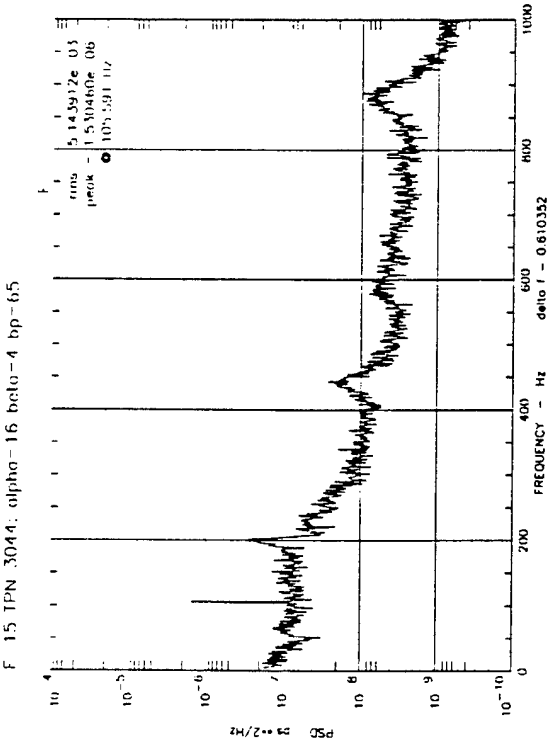

F 15 TPN 3044: alpha=16 beta=4 bp=65
C
rms = 4.292926e 03
peak = 9.404405e 07
@ 105.391 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

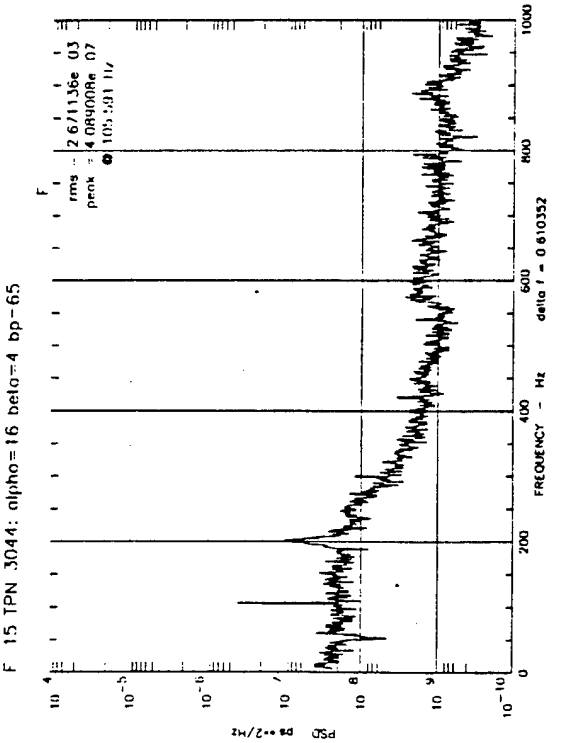

F 15 TPN 3044: alpha=16 beta=4 bp=65
H
rms = 4.633950e 03
peak = 4.266533e 07
@ 105.391 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

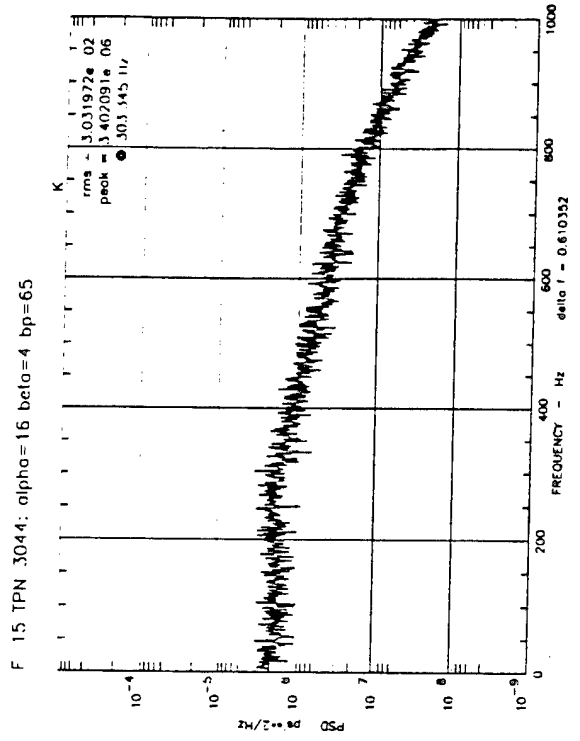

F 15 TPN 3044: alpha=16 beta=4 bp=65
A
rms = 5.927383e 03
peak = 7.532178e 07
@ 105.391 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

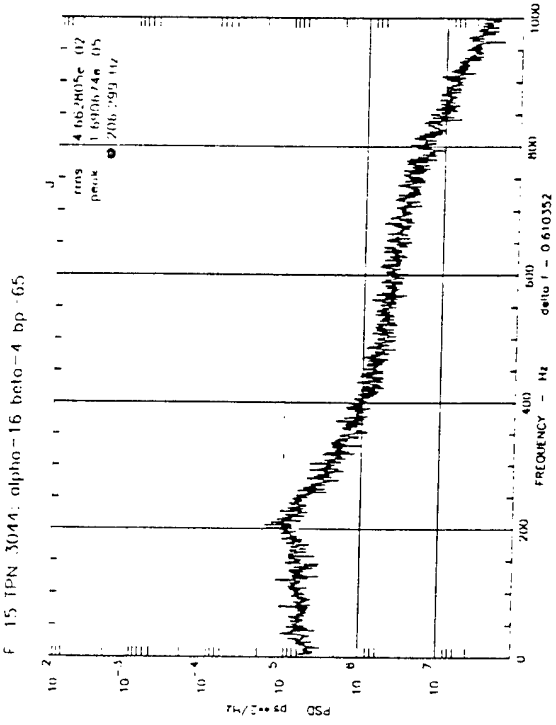

F 15 TPN 3044: alpha=16 beta=4 bp=65
H
rms = 1.895468e 02
peak = 1.845799e 06
@ 120.239 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

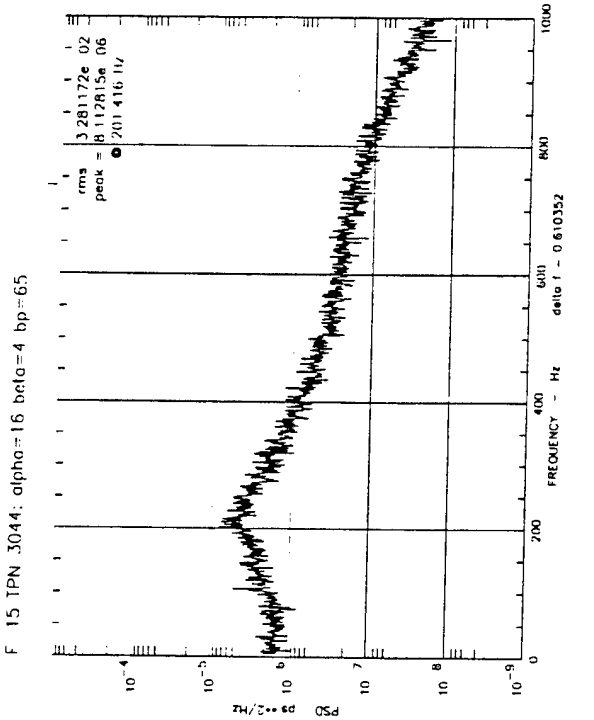

F 15 TPN 3044: alpha=16 beta=4 bp=65
G
rms = 1.730156e 02
peak = 2.102702e 06
@ 210.571 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

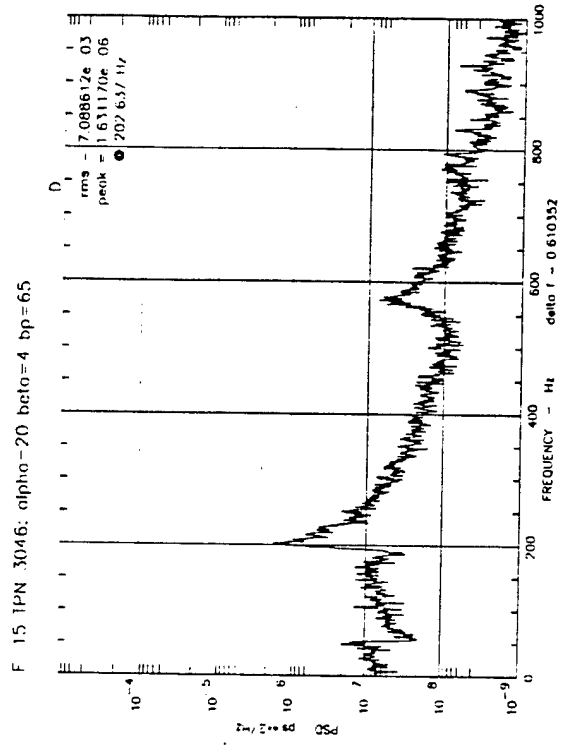

F 15 TPN 3044: alpha=16 beta=4 bp=65
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

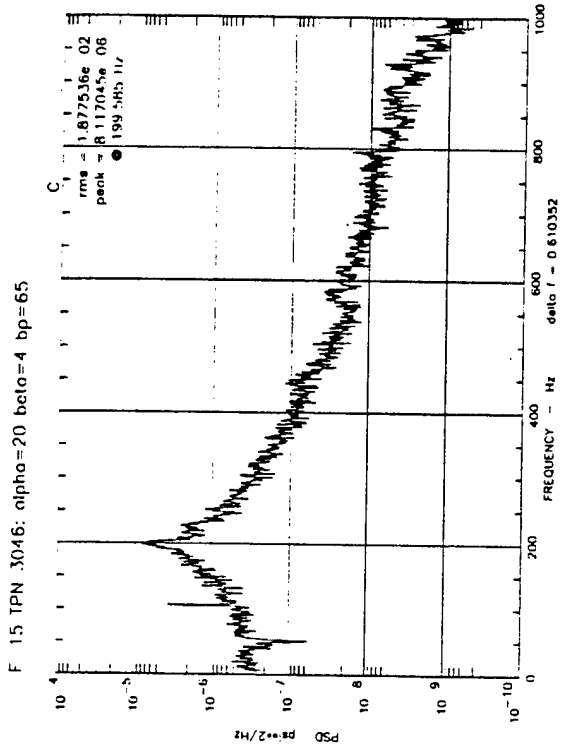

F 15 TPN 3044: alpha=16 beta=4 bp=65
F
rms = 2.671136e 03
peak = 4.089008e 07
@ 105.591 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

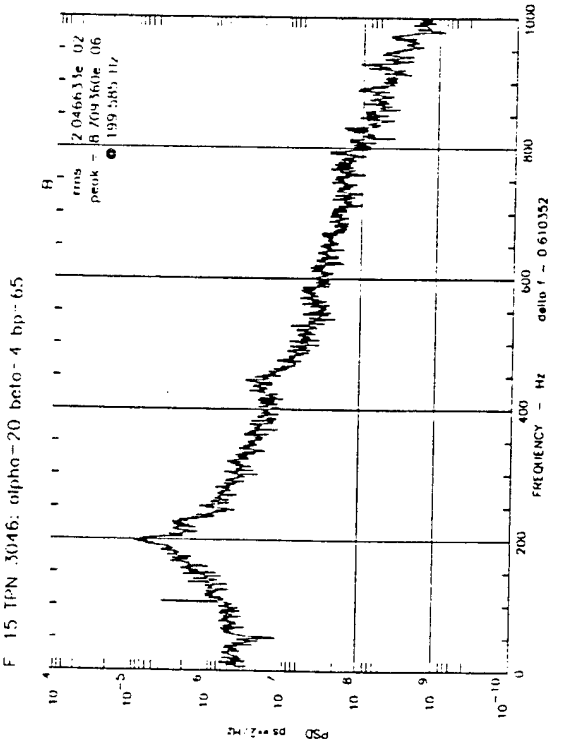

F 15 TPN 3044: alpha=16 beta=4 bp=65
K
rms = 3.031972e 02
peak = 3.402091e 06
@ 305.145 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

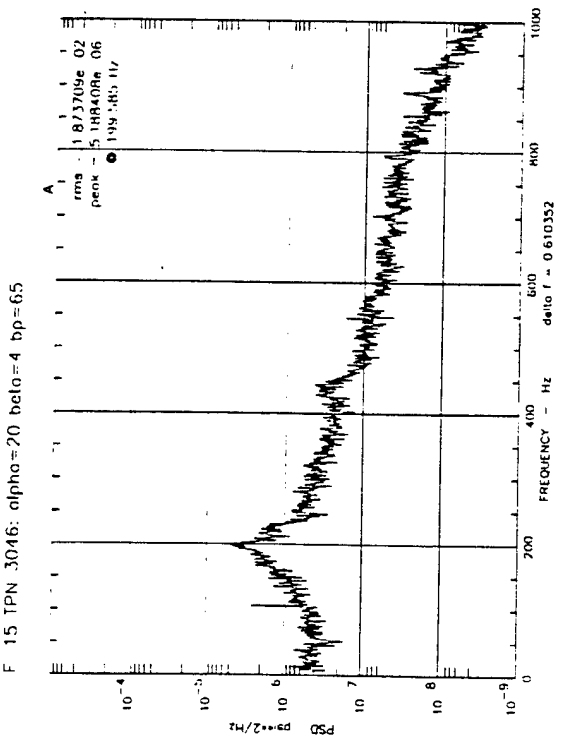

F 15 TPN 3044: alpha=16 beta=4 bp=65
J
rms = 4.662805e 02
peak = 1.690174e 05
@ 206.299 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

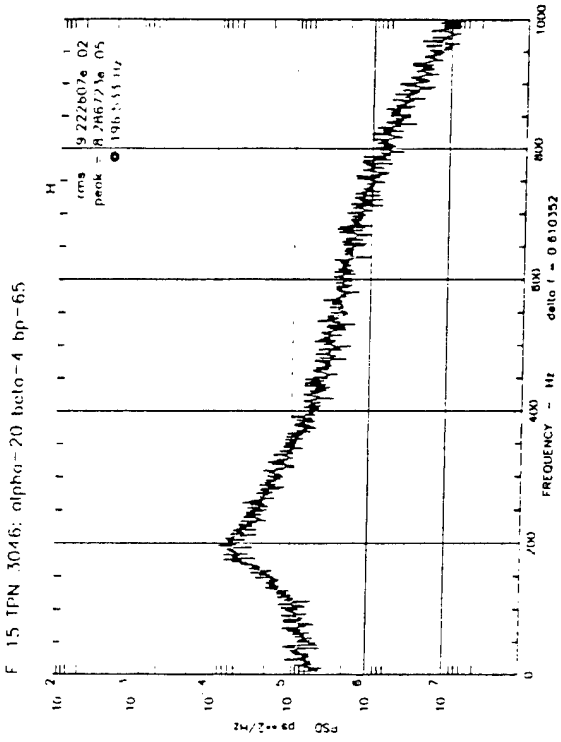

F 15 TPN 3044: alpha=16 beta=4 bp=65
I
rms = 3.281172e 02
peak = 8.112815e 06
@ 201.416 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

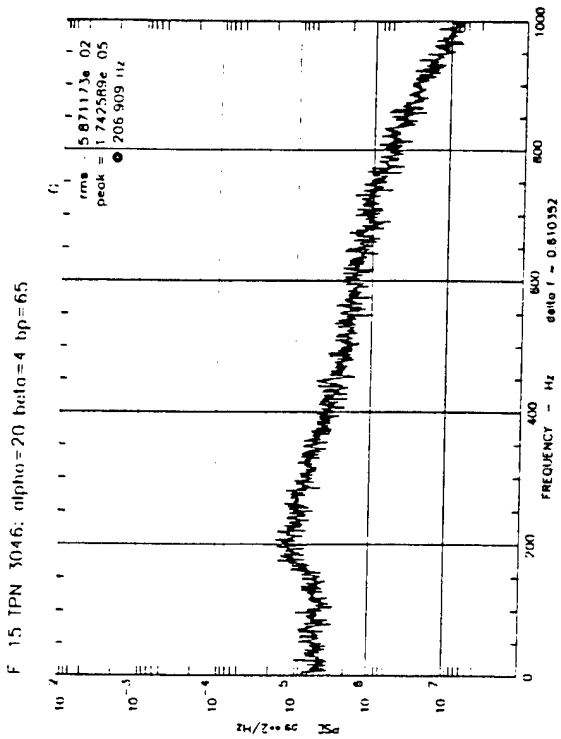

F 15 TPN 3046: alpha=20 beta=4 bp=65
D
rms = 7.088612e 03
peak = 1.631170e 06
@ 202.637 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

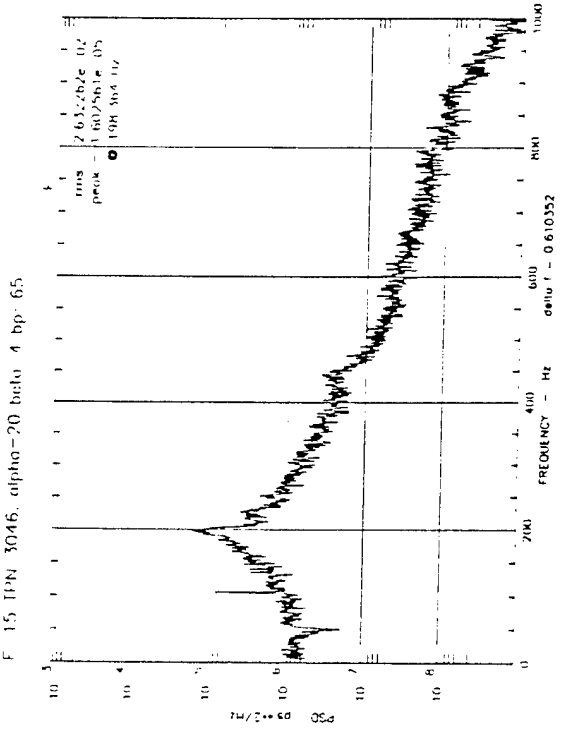

F 15 TPN 3046: alpha=20 beta=4 bp=65
C
rms = 1.877536e 02
peak = 8.117045e 06
@ 199.585 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

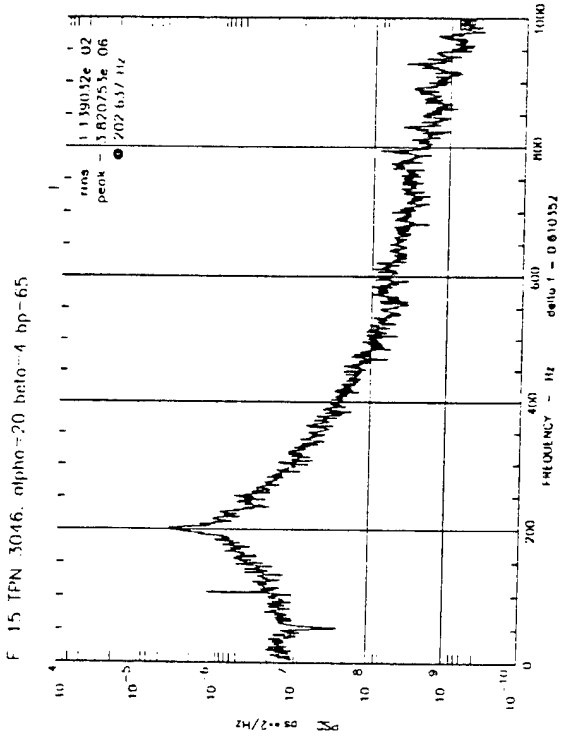

F 15 TPN 3046: alpha=20 beta=4 bp=65
B
rms = 2.046635e 02
peak = 8.709360e 06
@ 199.585 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

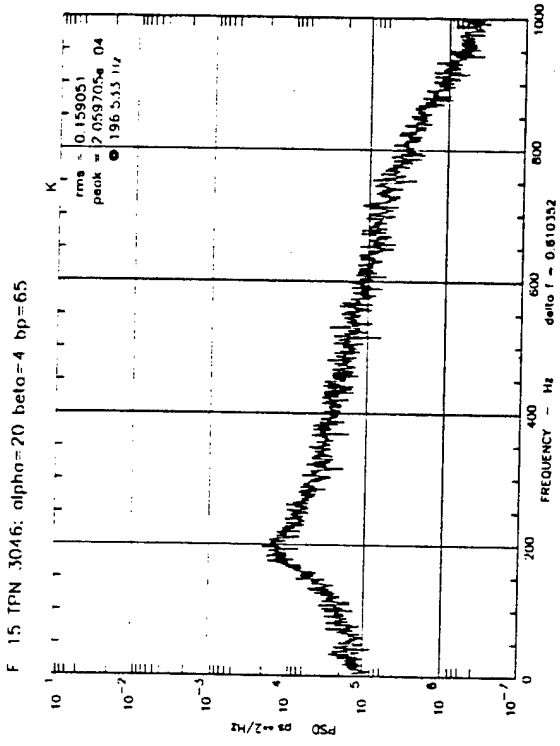

F 15 TPN 3046: alpha=20 beta=4 bp=65
A
rms = 1.873709e 02
peak = 5.148408e 06
@ 199.585 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

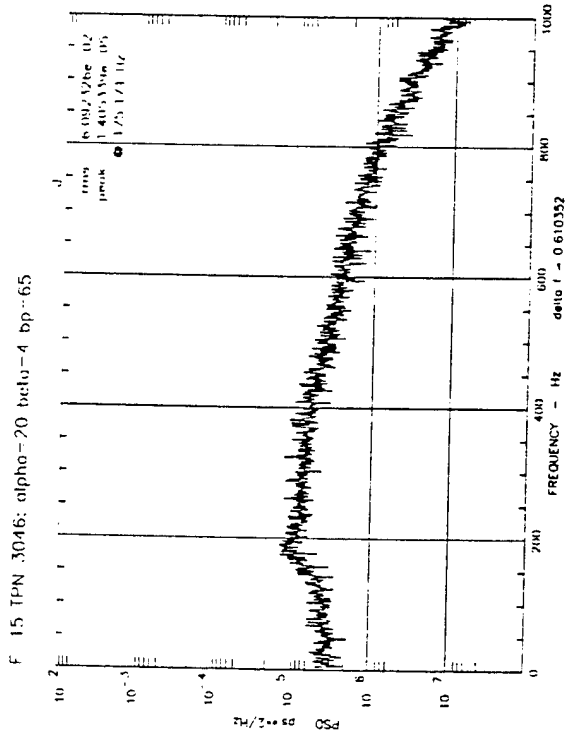

F 15 TPN 3046: alpha=20 beta=4 bp=65
H
rms 9.222b07e 02
peak = 8.786773e 05
@ 196.533 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

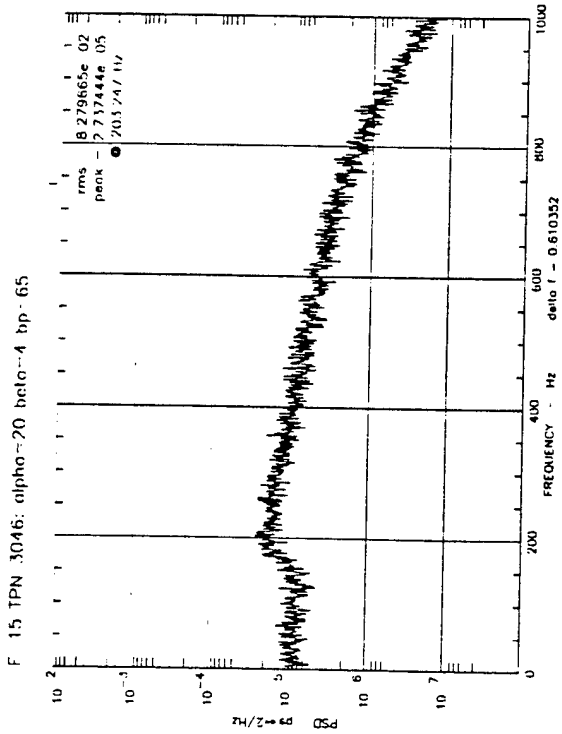

F 15 TPN 3046: alpha=20 beta=4 bp=65
G
rms 5.871173e 02
peak = 1.742589e 05
@ 206.909 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

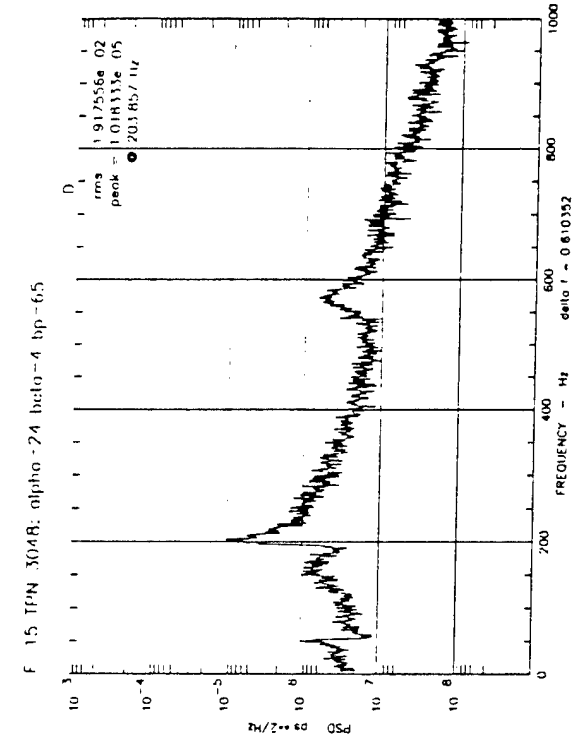

F 15 TPN 3046: alpha=20 beta=4 bp=65
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

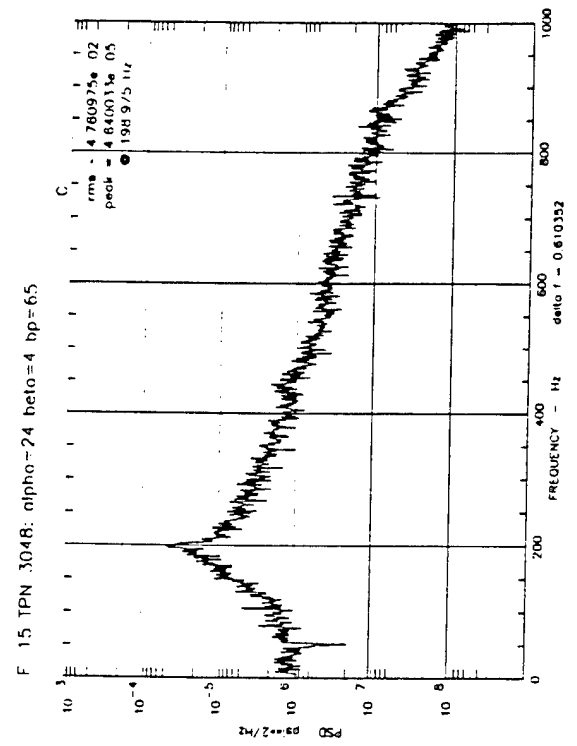

F 15 TPN 3046: alpha=20 beta=4 bp=65
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

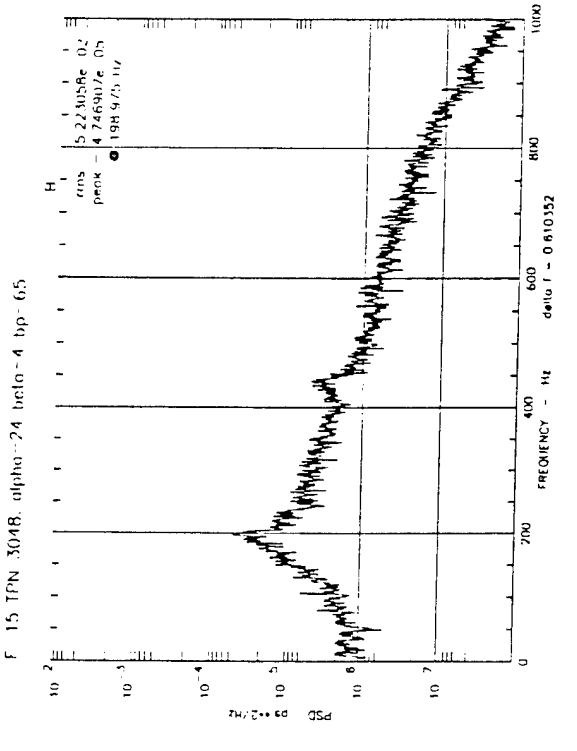

F 15 TPN 3046: alpha=20 beta=4 bp=65
rms = 0.159051
peak = 2.059705e 04
@ 196.533 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

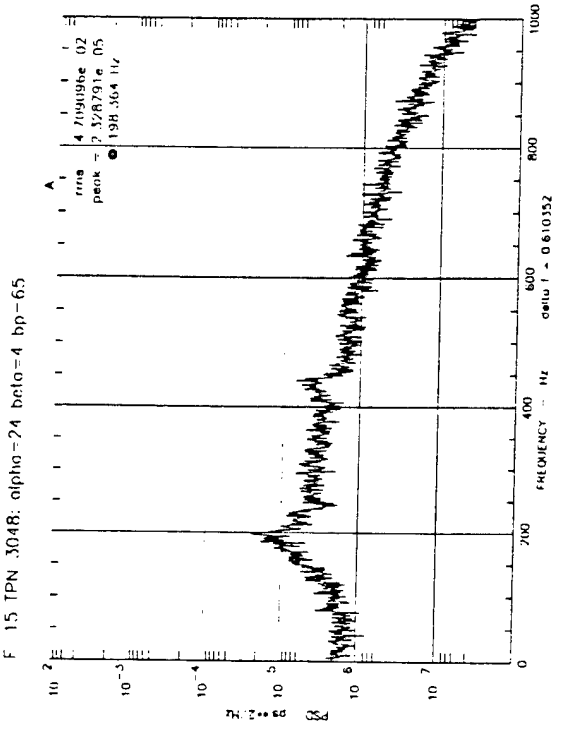

F 15 TPN 3046: alpha=20 beta=4 bp=65
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

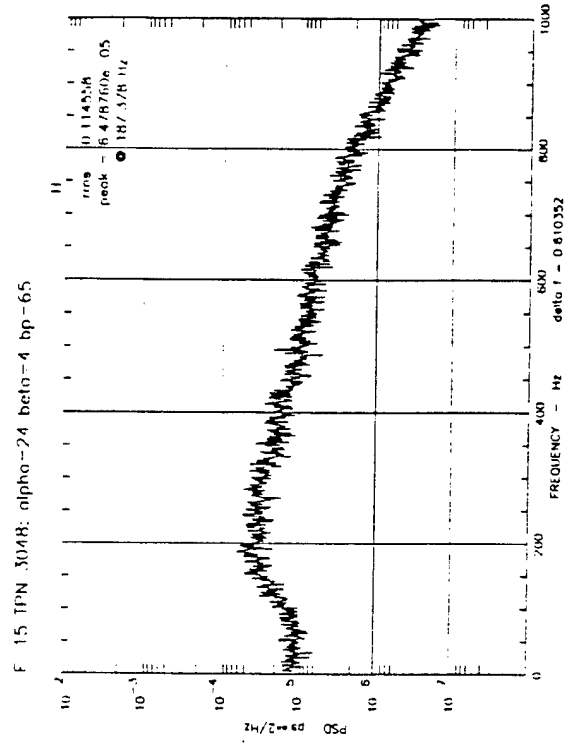

F 15 TPN 3046: alpha=20 beta=4 bp=65
rms = 8.279665e 02
peak = 2.717444e 05
@ 203.247 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

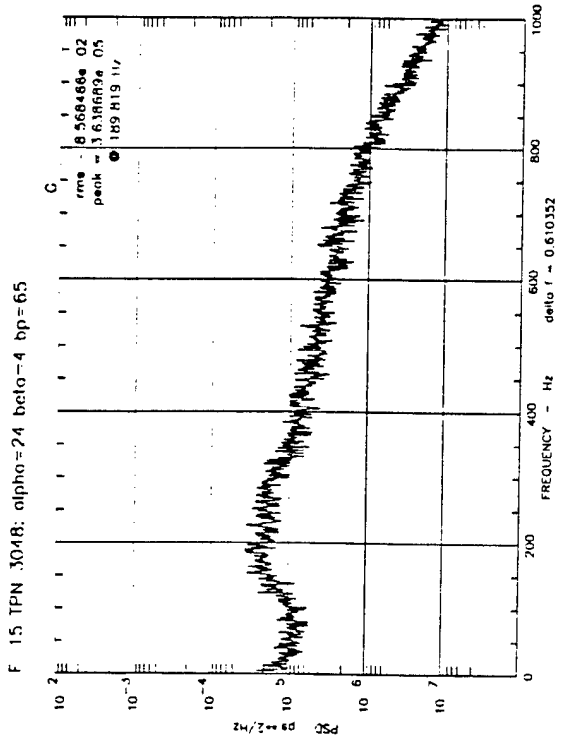

F 15 TPN 3048: alpha=24 beta=4 bp=65
D
rms = 1.917556e 02
peak = 1.018133e 05
@ 203.857 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

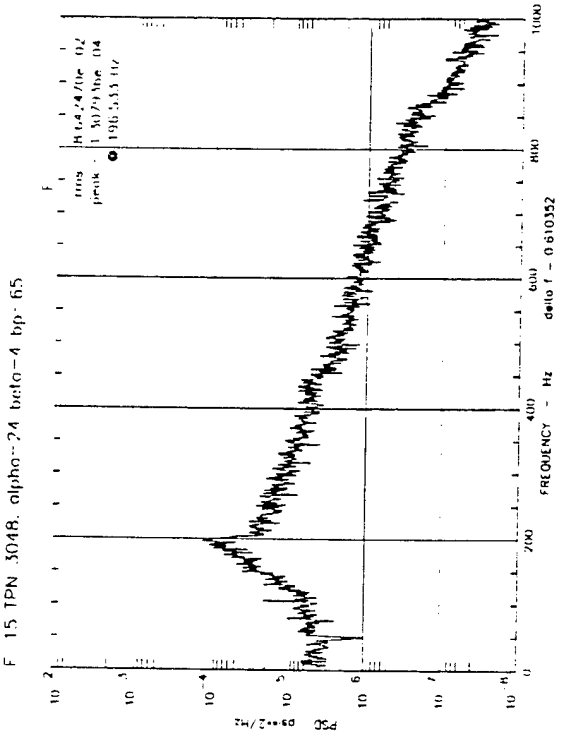

F 15 TPN 3048: alpha=24 beta=4 bp=65
C
rms = 4.780975e 02
peak = 4.840013e 05
@ 198.975 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

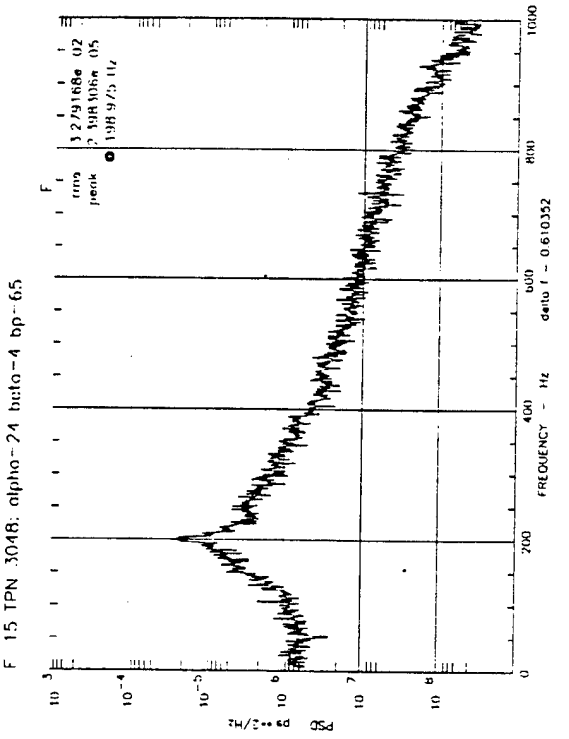

F 15 TPN 3048: alpha=24 beta=4 bp=65
H
rms = 5.223058e 02
peak = 4.746907e 05
@ 198.975 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3048: alpha=24 beta=4 bp=65
A
rms = 4.709196e 02
peak = 2.328791e 05
@ 198.364 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

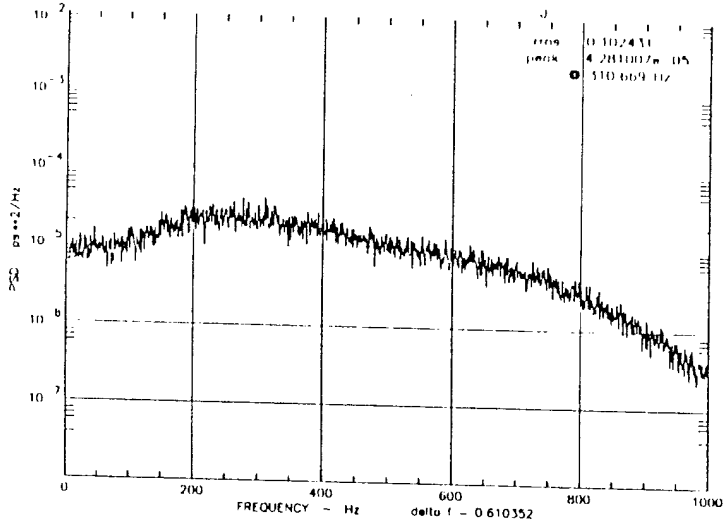

F 15 TPN 3048: alpha=24 beta=4 bp=65
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3048: alpha=24 beta=4 bp=65
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

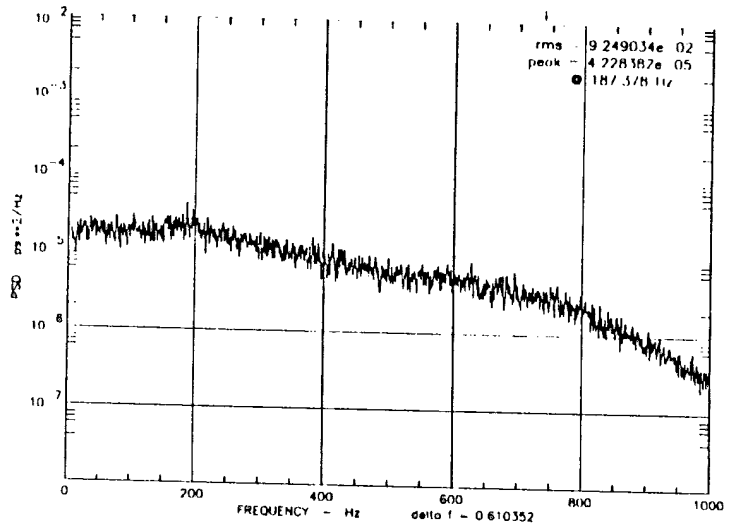

F 15 TPN 3048: alpha=24 beta=4 bp=65
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3048: alpha=24 beta=4 bp=65
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

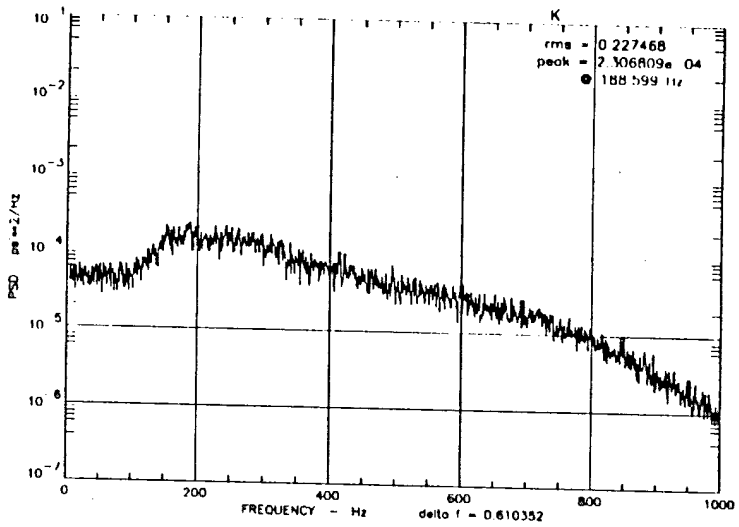
F 15 TPN 3048: alpha 24 beta 4 bp 65

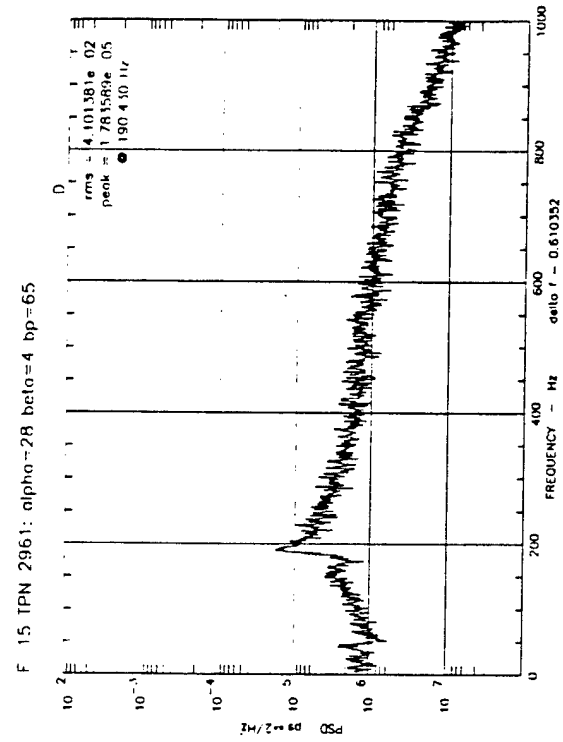


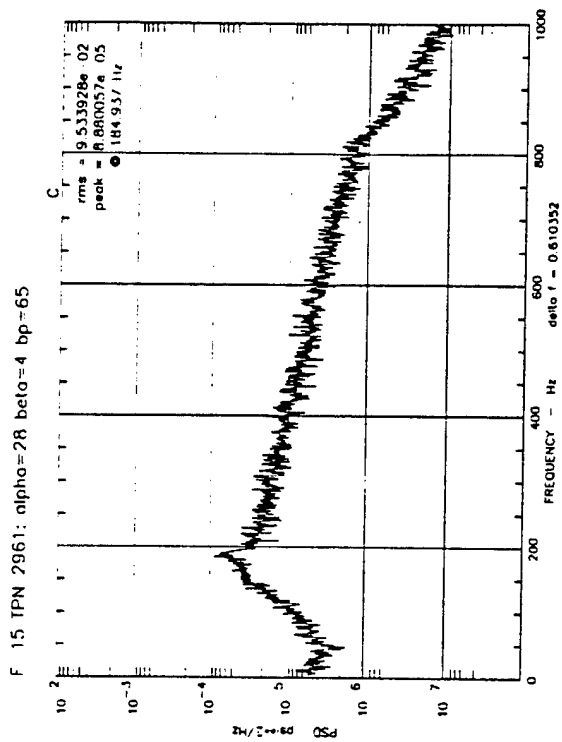
F 15 TPN 3048: alpha=24 beta=4 bp=65

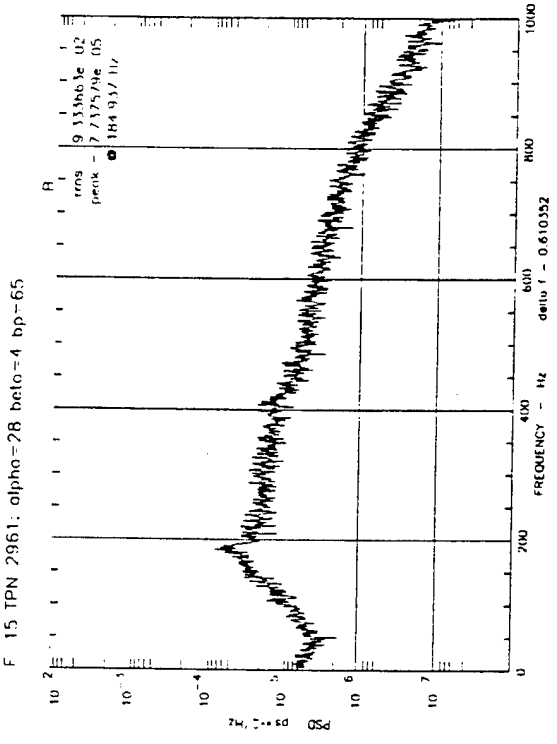


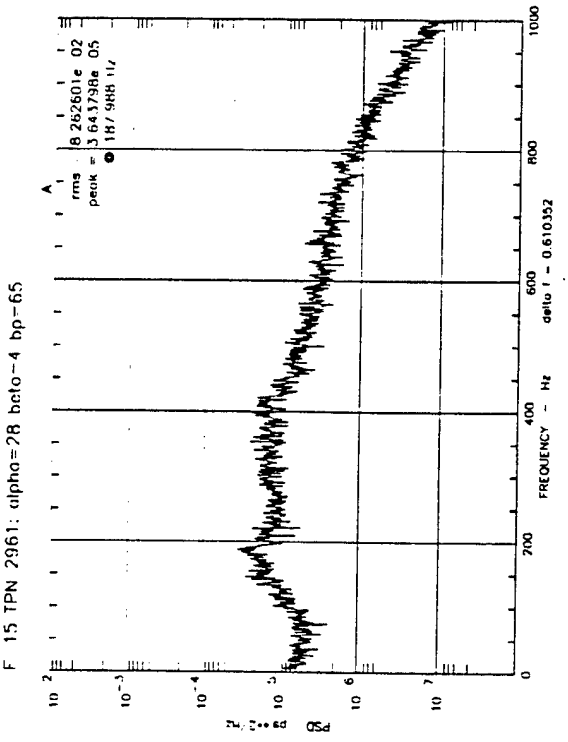
F 15 TPN 3048: alpha=24 beta=4 bp=65

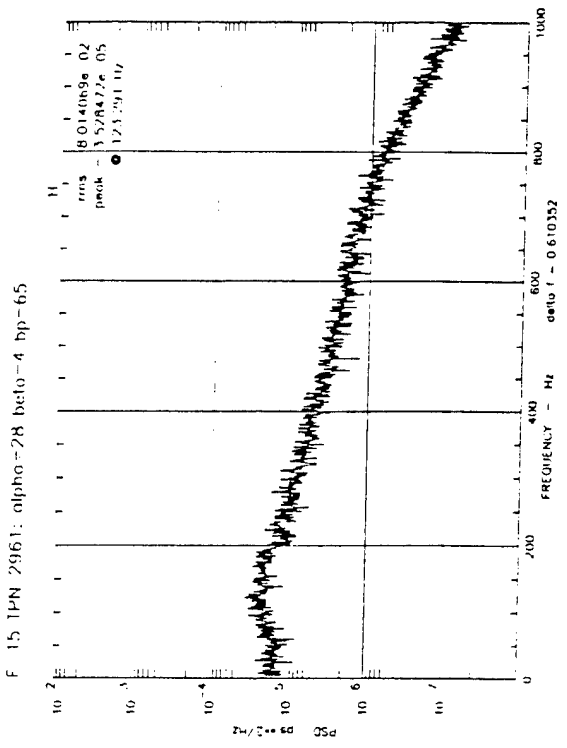


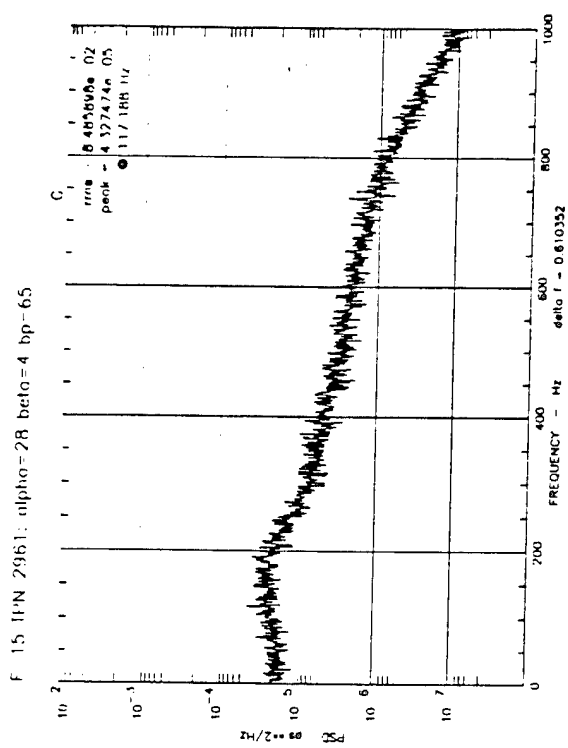

F 15 TPN 2961: alpha=28 beta=4 bp=65
D
rms = 4.101381e 02
peak = 1.781589e 05
@ 190.410 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

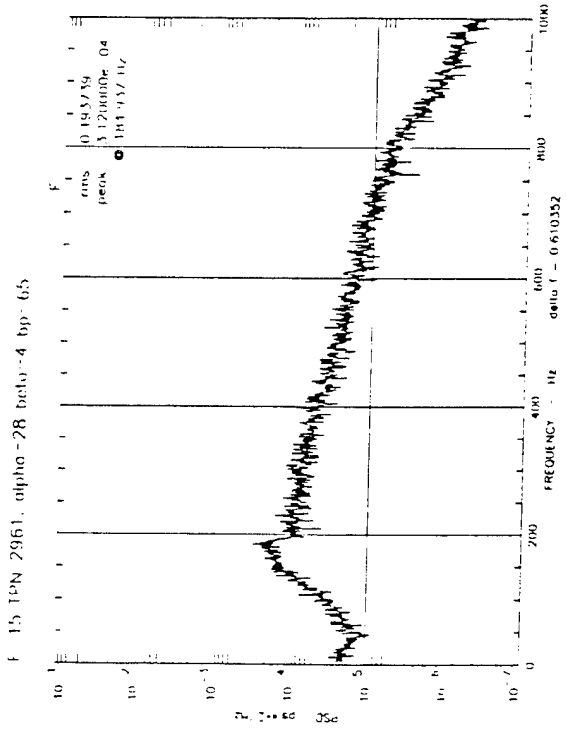

F 15 TPN 2961: alpha=28 beta=4 bp=65
C
rms = 9.533928e 02
peak = 8.880057e 05
@ 184.937 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

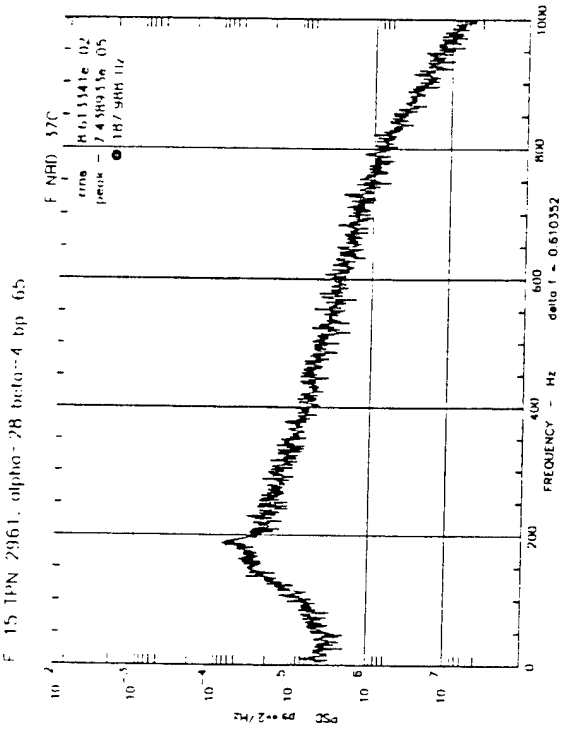

F 15 TPN 2961: alpha=28 beta=4 bp=65
B
rms = 9.533b6e 02
peak = 7.737594e 05
@ 184.937 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

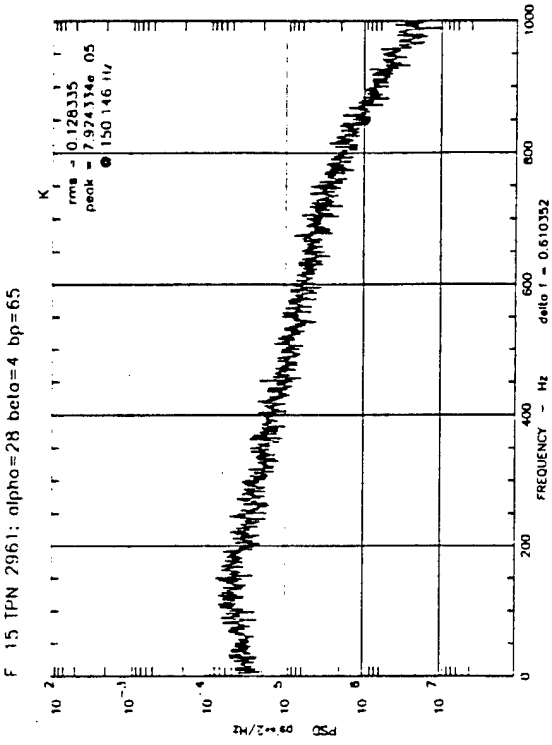

F 15 TPN 2961: alpha=28 beta=4 bp=65
A
rms = 8.262601e 02
peak = 3.641798e 05
@ 187.988 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

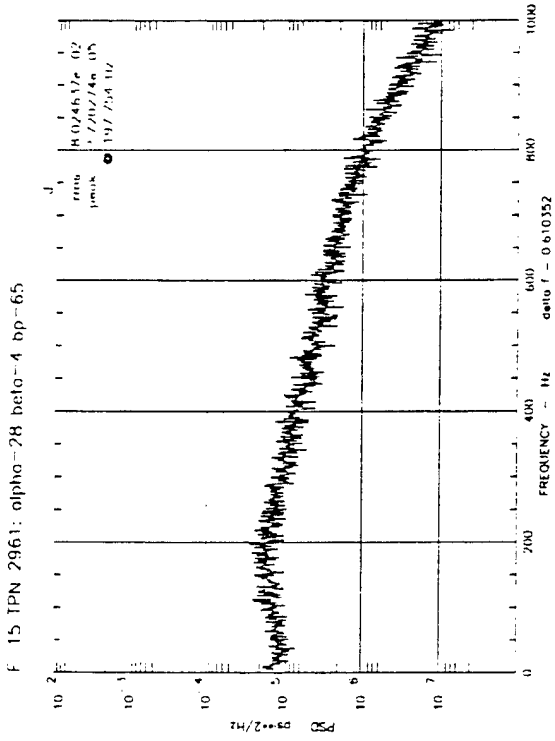

F 15 TPN 2961: alpha=28 beta=4 bp=65
H
rms
peak
FREQUENCY - Hz
delta f = 0.610352

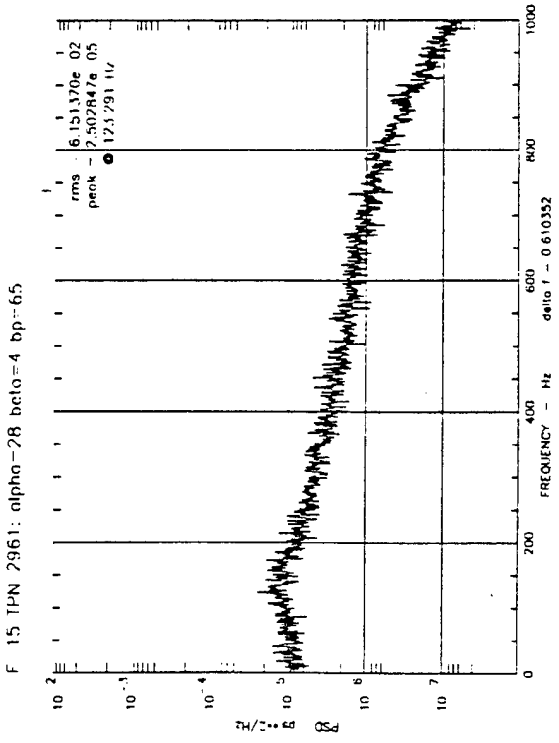

F 15 TPN 2961: alpha=28 beta=4 bp=65
G
rms
peak
FREQUENCY - Hz
delta f = 0.610352

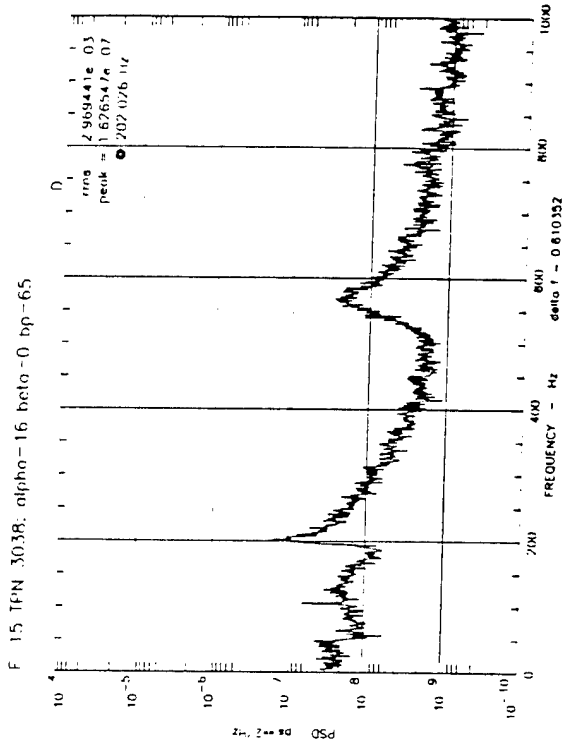

F 15 TPN 2961: alpha=28 beta=4 bp=65
F
rms
peak
FREQUENCY - Hz
delta f = 0.610352

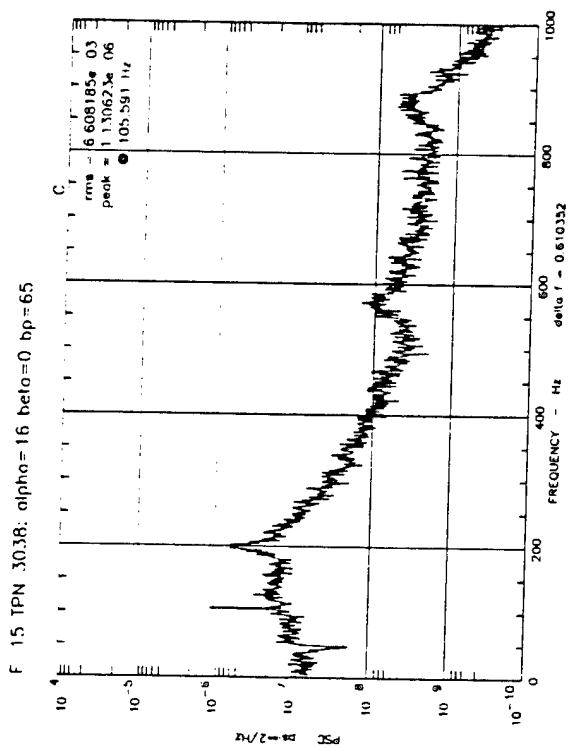

F 15 TPN 2961: alpha=28 beta=4 bp=65
F NAD 37C
rms
peak
FREQUENCY - Hz
delta f = 0.610352

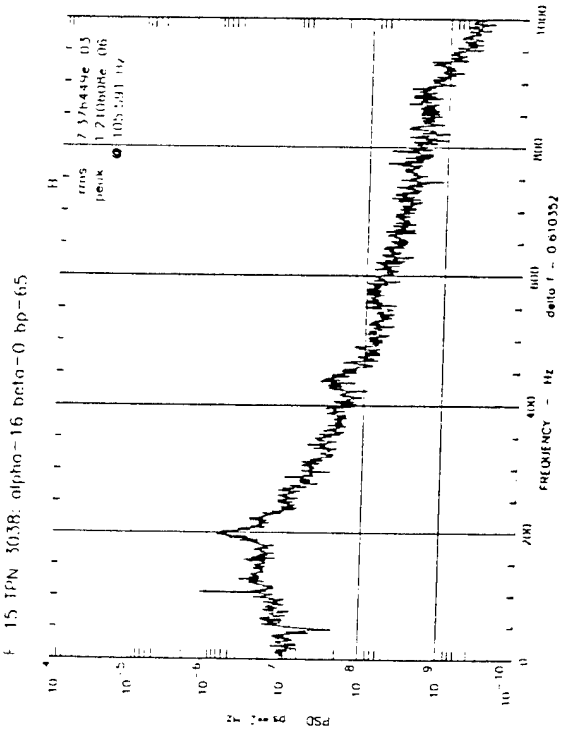

F 15 TPN 2961: alpha=28 beta=4 bp=65
FREQUENCY - Hz
delta f = 0.610352

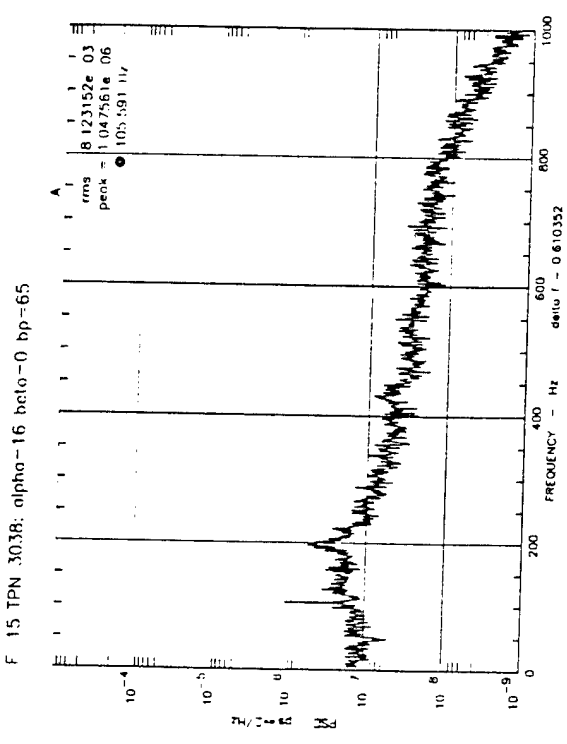

F 15 TPN 2961: alpha=28 beta=4 bp=65
FREQUENCY - Hz
delta f = 0.610352

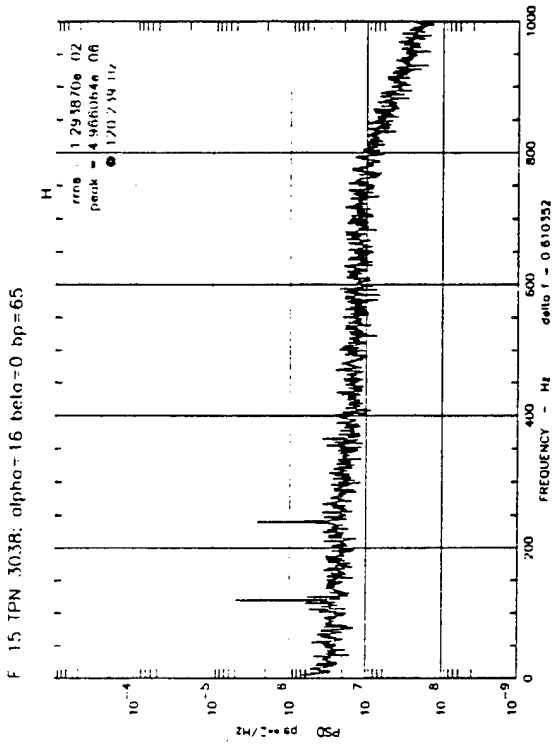

F 15 TPN 2961: alpha=28 beta=4 bp=65
FREQUENCY - Hz
delta f = 0.610352

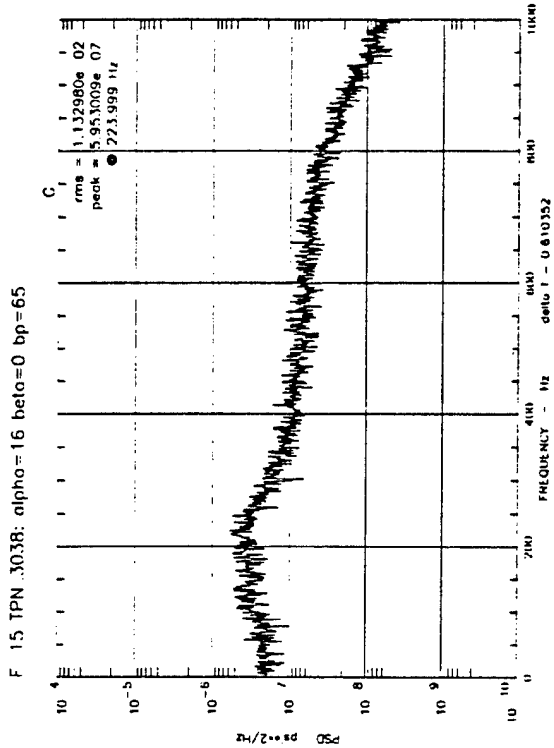

F 15 TPN 3038: alpha=16 beta=0 bp=65
D
rms = 2.969441e 03
peak = 1.676547e 07
@ 202.026 Hz
PSD DB**2/Hz
FREQUENCY - Hz
delta f = 0.610352

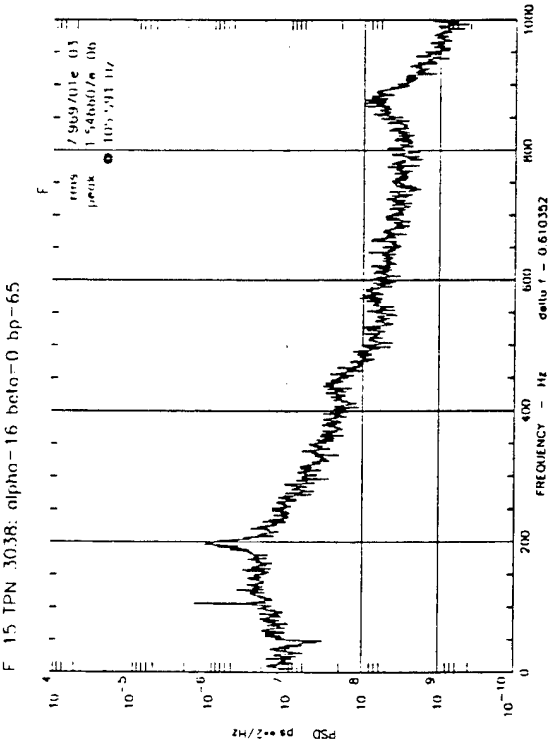

F 15 TPN 3038: alpha=16 beta=0 bp=65
C
rms = 6.608185e 03
peak = 1.130623e 06
@ 105.591 Hz
PSD DB**2/Hz
FREQUENCY - Hz
delta f = 0.610352

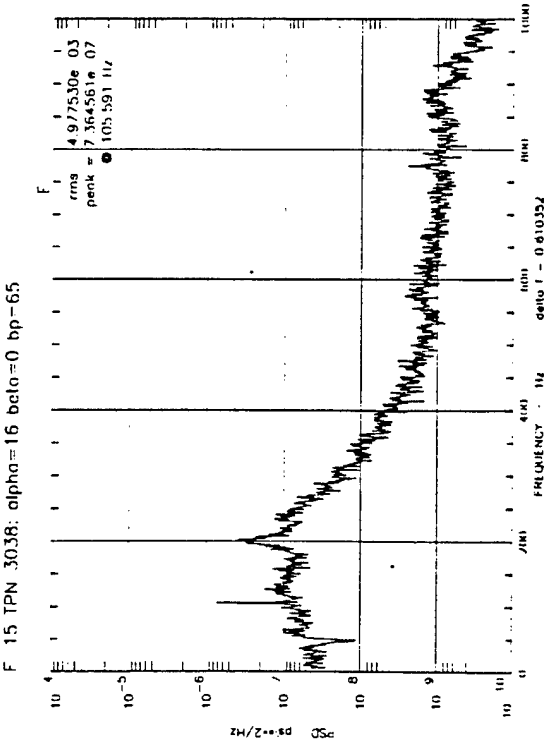

F 15 TPN 3038: alpha=16 beta=0 bp=65
H
rms = 2.737449e 03
peak = 1.210808e 06
@ 105.591 Hz
PSD DB**2/Hz
FREQUENCY - Hz
delta f = 0.610352

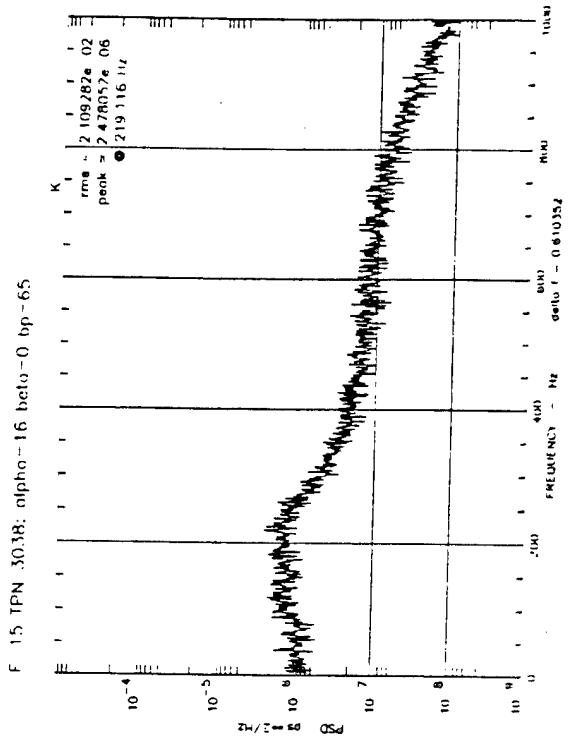

F 15 TPN 3038: alpha=16 beta=0 bp=65
A
rms = 8.123152e 03
peak = 1.047561e 06
@ 105.591 Hz
PSD DB**2/Hz
FREQUENCY - Hz
delta f = 0.610352

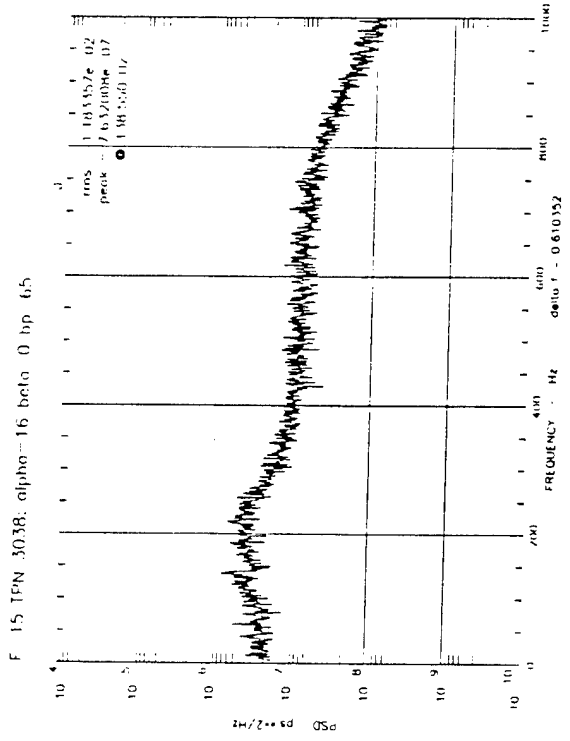

F 15 TPN 3038: alpha=16 beta=0 bp=65
H
rms = 1.298708e 02
peak = 4.966064e 06
@ 120.794 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

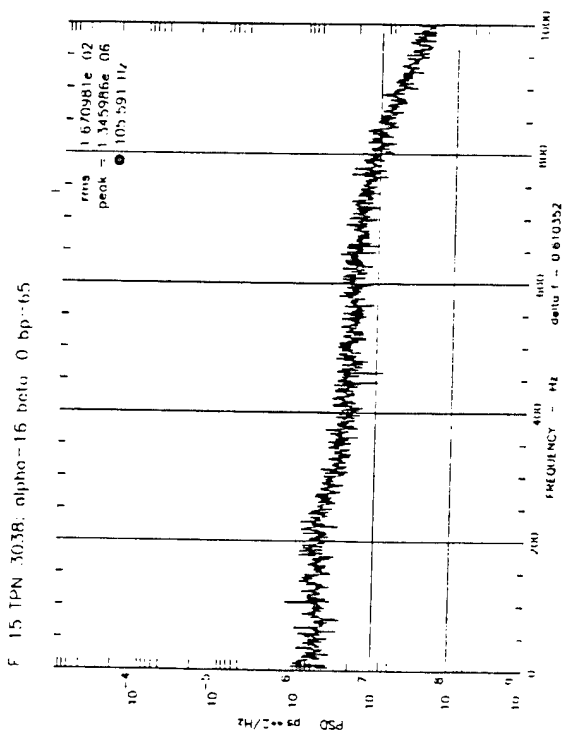

F 15 TPN 3038: alpha=16 beta=0 bp=65
C
rms = 1.132980e 02
peak = 5.951009e 07
@ 223.999 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

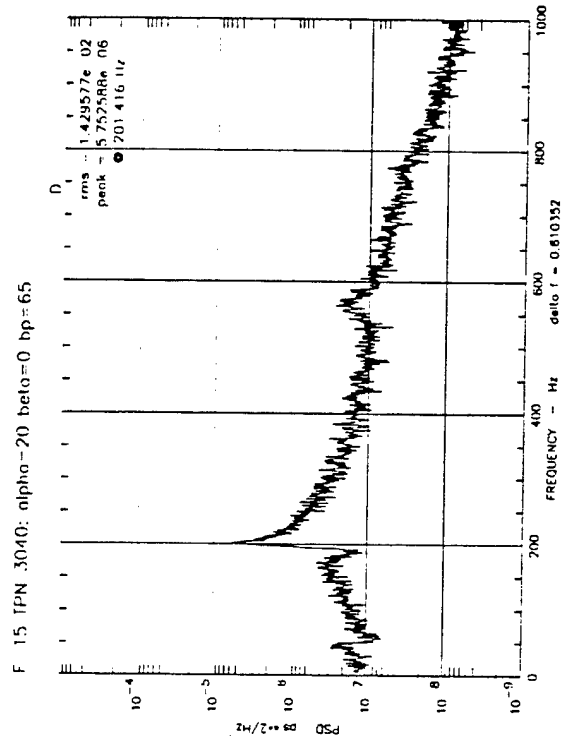

F 15 TPN 3038: alpha=16 beta=0 bp=65
F
rms = 7.969701e 03
peak = 1.548661e 06
@ 103.211 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

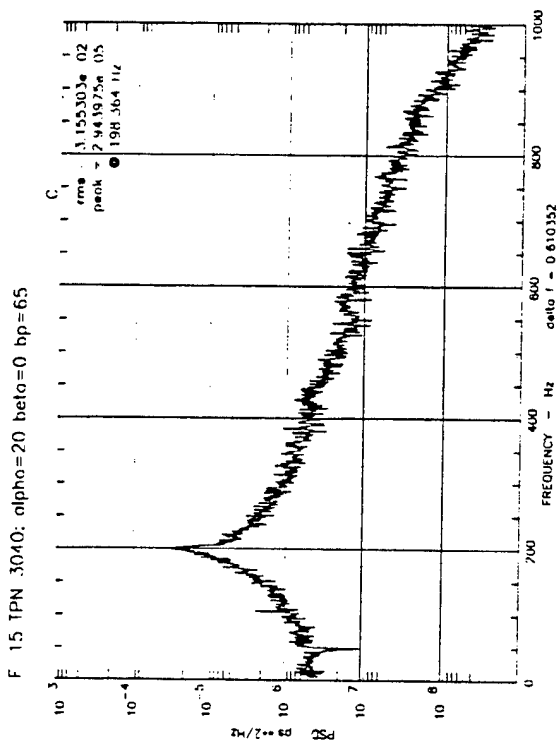

F 15 TPN 3038: alpha=16 beta=0 bp=65
F
rms = 4.977530e 03
peak = 7.364561e 07
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

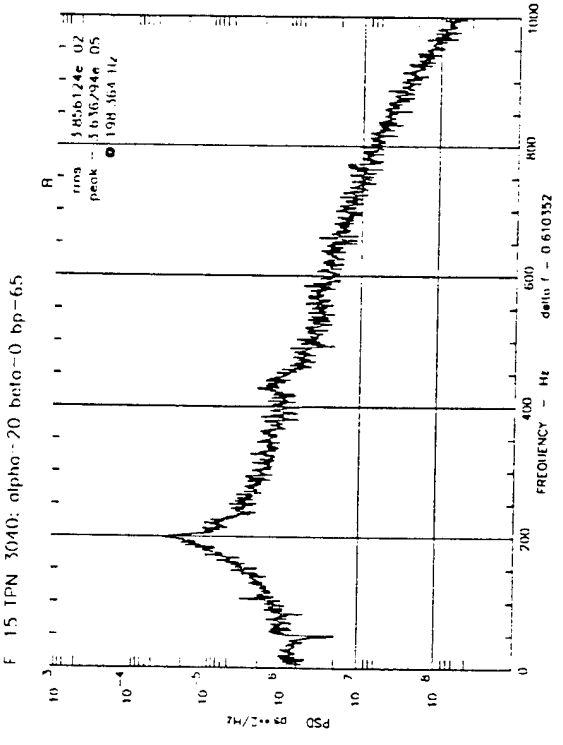

F 15 TPN 3038: alpha-16 beta-0 bp-65
rms = 2.109282e 02
peak = 2.478057e 06
@ 219.116 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

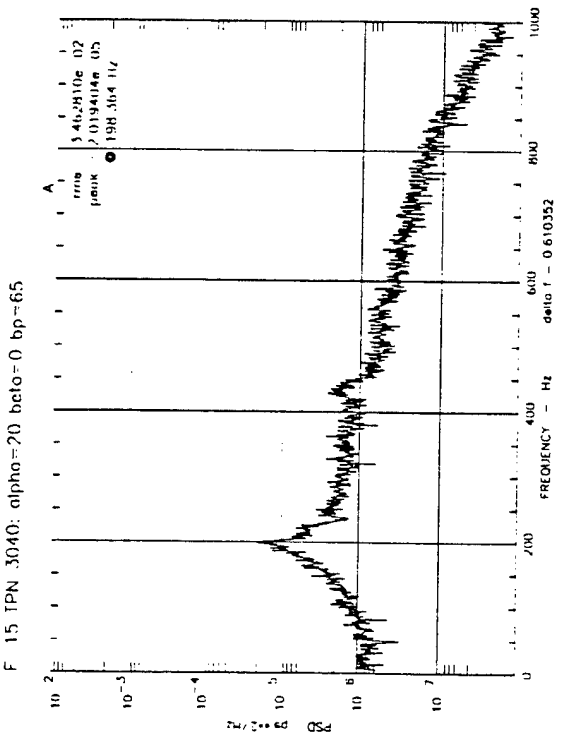

F 15 TPN 3038: alpha-16 beta 0 bp-65
rms = 1.670981e 02
peak = 1.345986e 06
@ 105.591 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

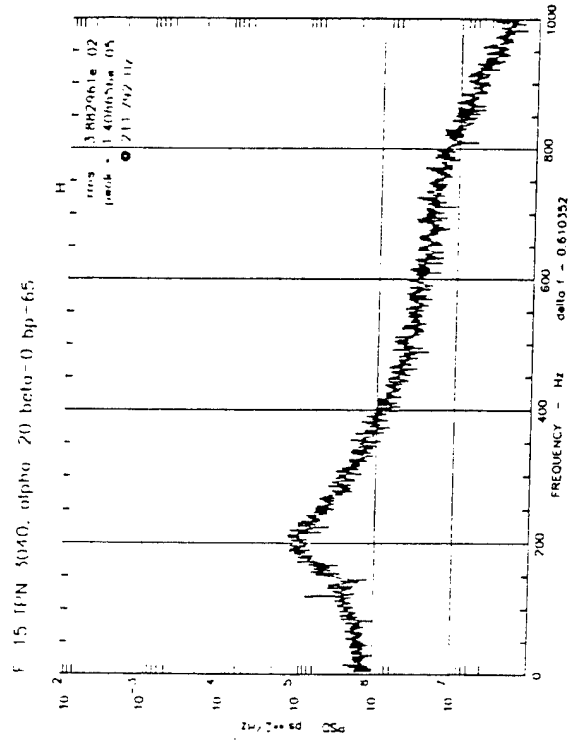

F 15 TPN 3038: alpha-16 beta 0 bp-65
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

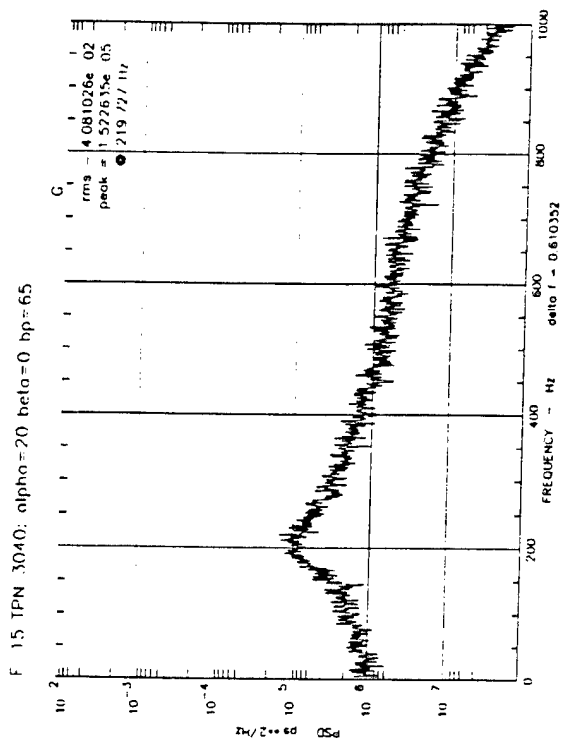

F 15 TPN 3040: alpha=20 beta=0 bp=65
D
rms = 1.429577e 02
peak = 5.752588e 06
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

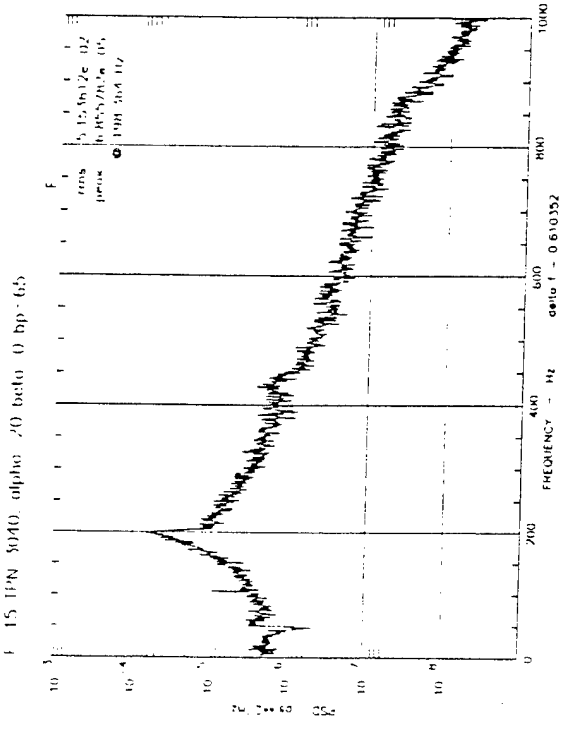

F 15 TPN 3040: alpha=20 beta=0 bp=65
C
rms = 3.155303e 02
peak = 2.443975e 05
@ 198.364 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

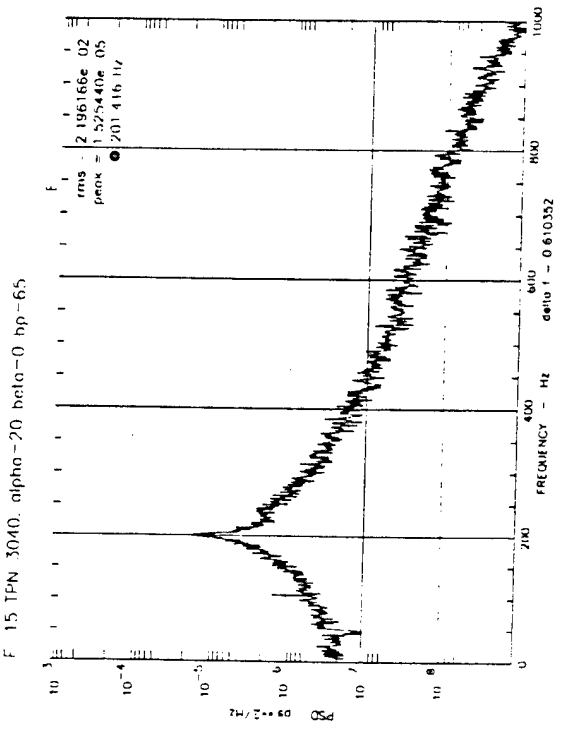

F 15 TPN 3040: alpha=20 beta=0 bp=65
B
rms = 3.856124e 02
peak = 3.136794e 05
@ 198.364 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

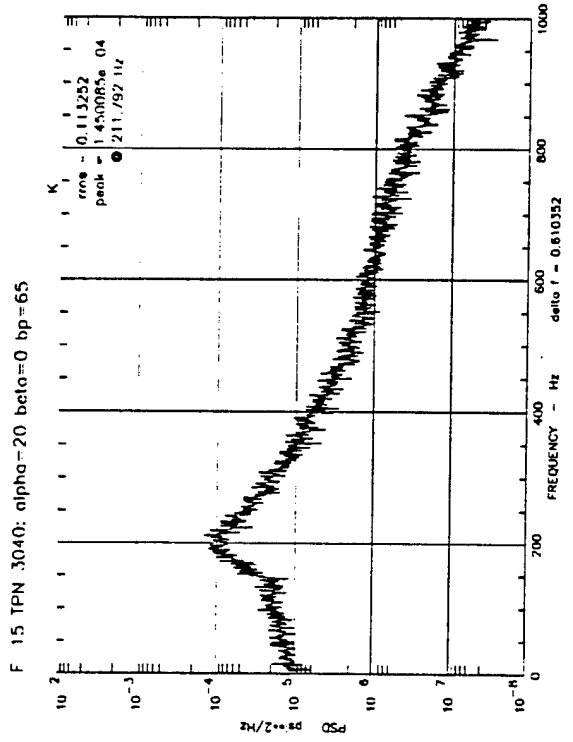

F 15 TPN 3040: alpha=20 beta=0 bp=65
A
rms = 3.462810e 02
peak = 2.819441e 05
@ 198.364 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

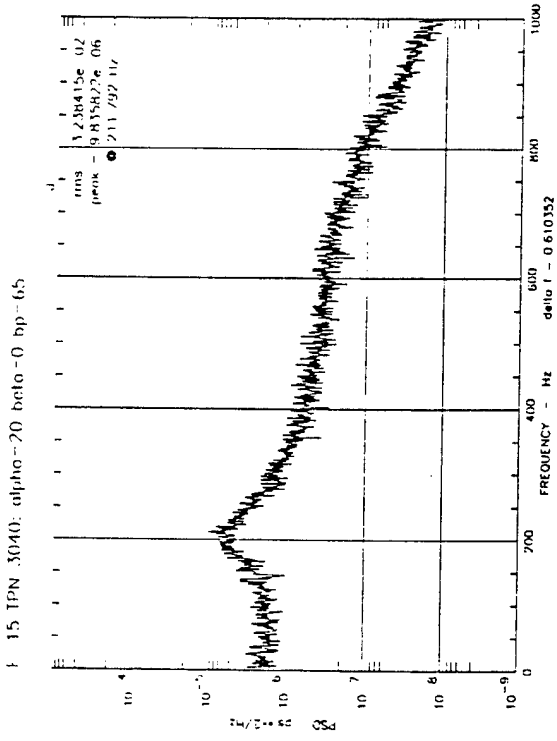

F 15 TPN 3040: alpha=20 beta=0 bp=65
H
rms = 3.882961e 02
peak = 1.400656e 05
@ 211.792 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

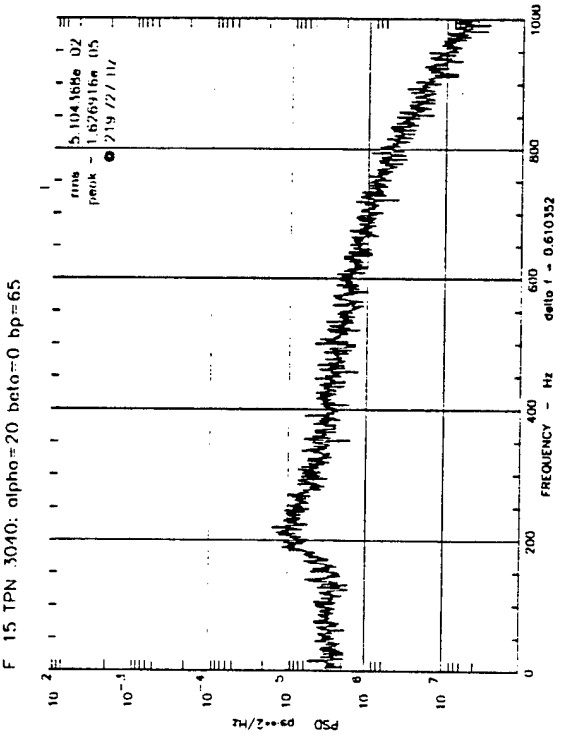

F 15 TPN 3040: alpha=20 beta=0 bp=65
G
rms = 4.081026e 02
peak = 1.522615e 05
@ 219.727 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

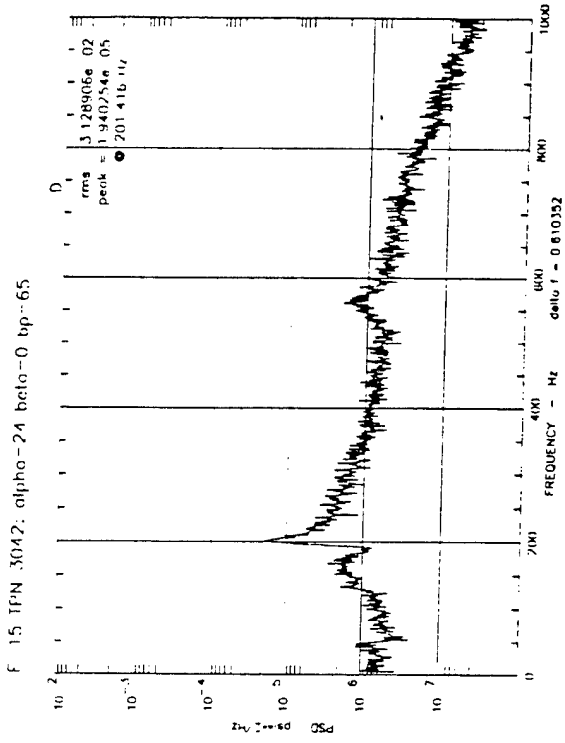

F 15 TPN 3040: alpha=20 beta=0 bp=65
F
rms = 2.196166e 02
peak = 1.525440e 05
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

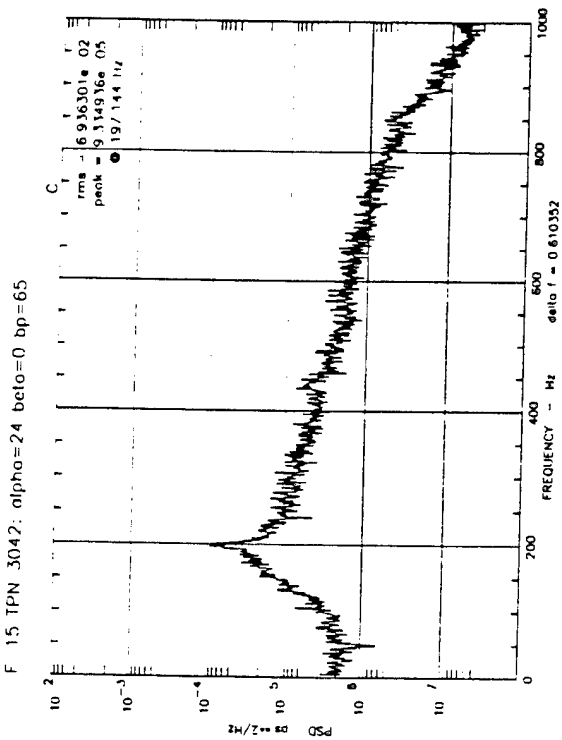

F 15 TPN 3040: alpha=20 beta=0 bp=65
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

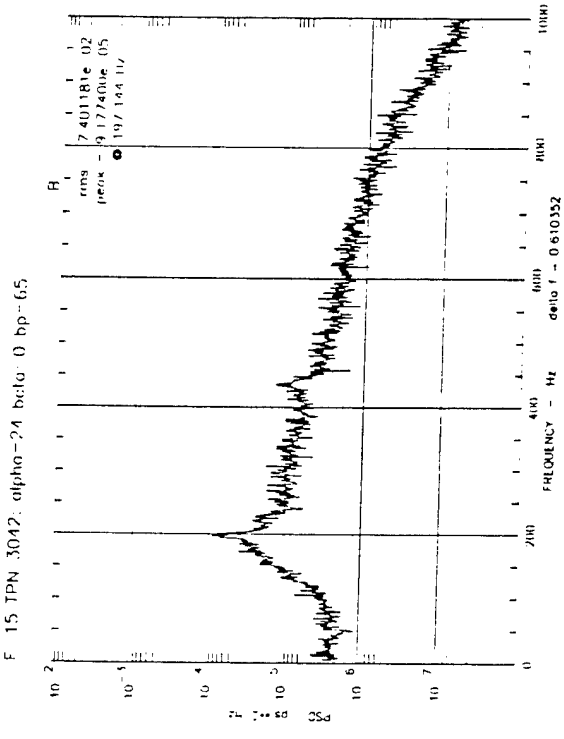

F 15 TPN 3040: alpha=20 beta=0 bp=65
FREQUENCY - Hz
delta f = 0.610352

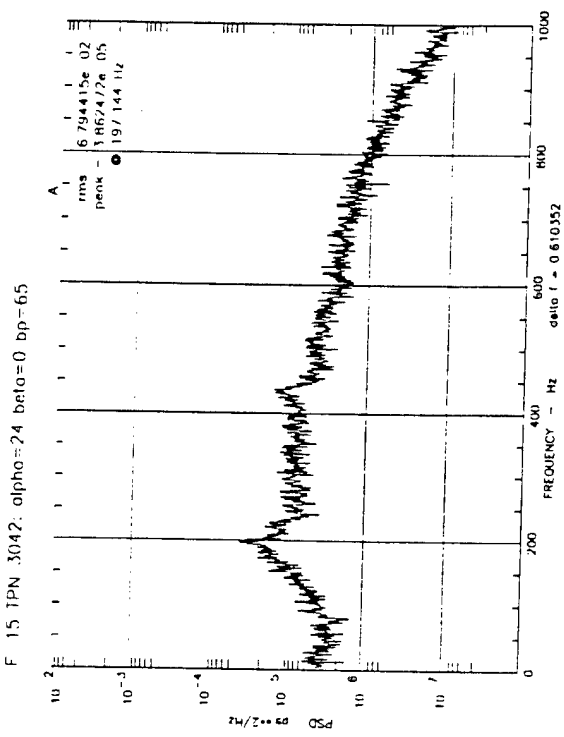

F 15 TPN 3040: alpha=20 beta=0 bp=65
FREQUENCY - Hz
delta f = 0.610352

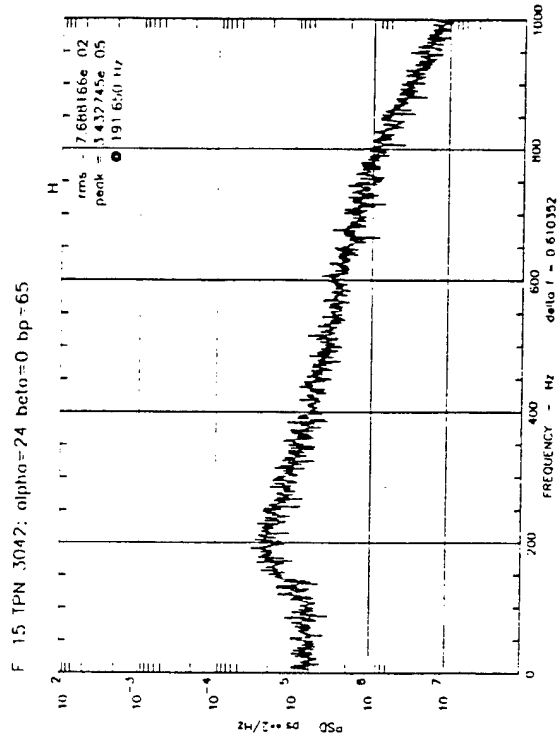

F 15 TPN 3040: alpha=20 beta=0 bp=65
FREQUENCY - Hz
delta f = 0.610352

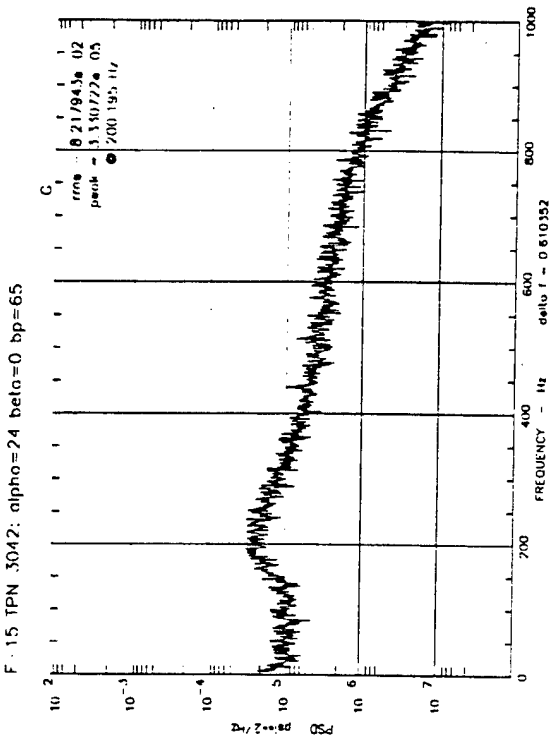

F 15 TPN 3042: alpha=24 beta=0 bp=65
D
rms = 3.128906e 02
peak = 1.940254e 05
@ 201.416 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

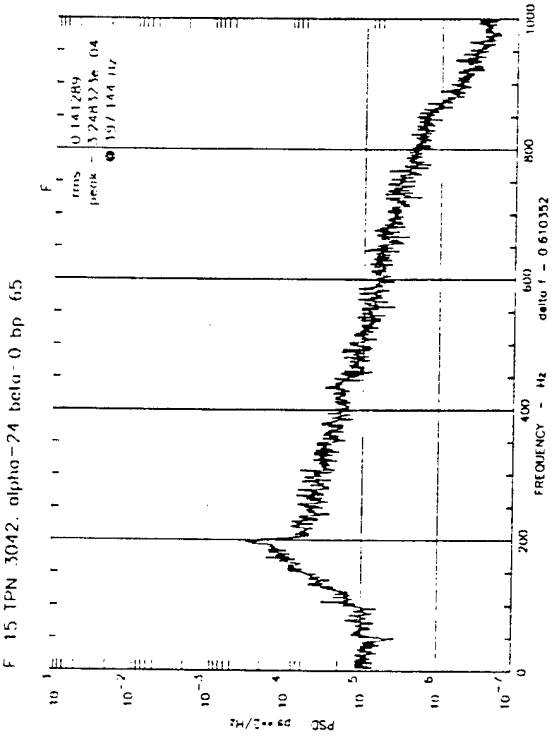

F 15 TPN 3042: alpha=24 beta=0 bp=65
C
rms = 6.936301e 02
peak = 9.314916e 05
@ 197.144 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

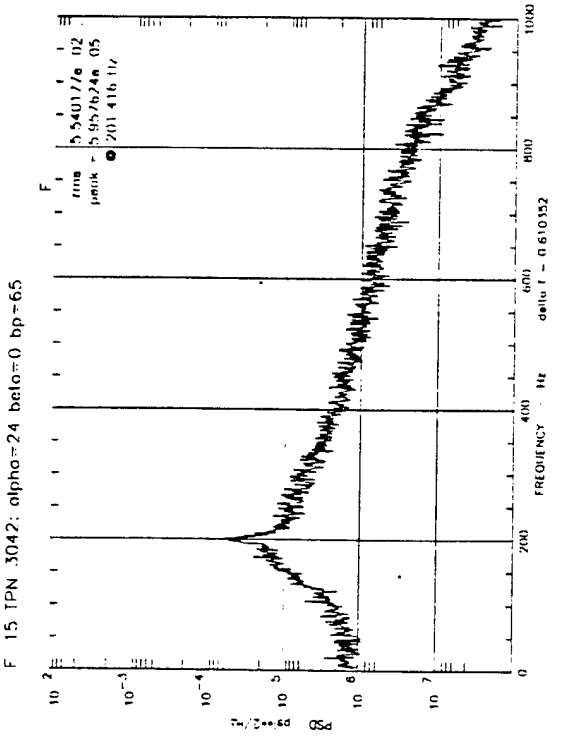

F 15 TPN 3042: alpha=24 beta=0 bp=65
B
rms = 7.401181e 02
peak = 9.177480e 05
@ 197.144 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

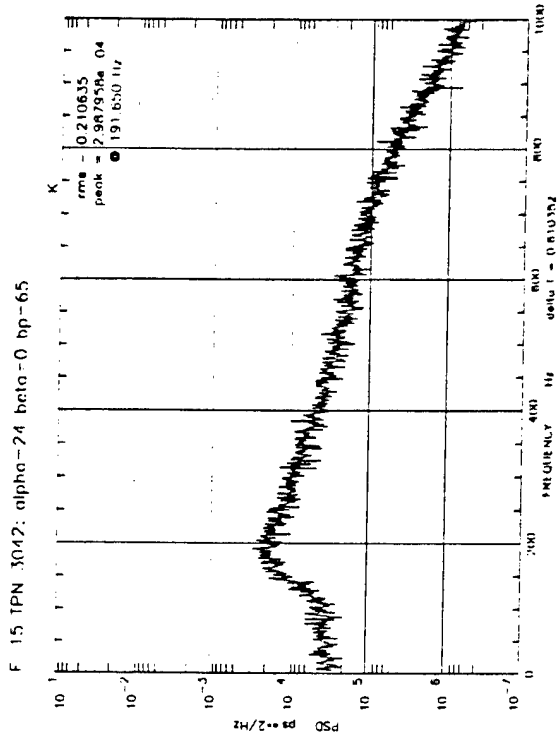

F 15 TPN 3042: alpha=24 beta=0 bp=65
A
rms = 6.794415e 02
peak = 1.186472e 05
@ 197.144 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

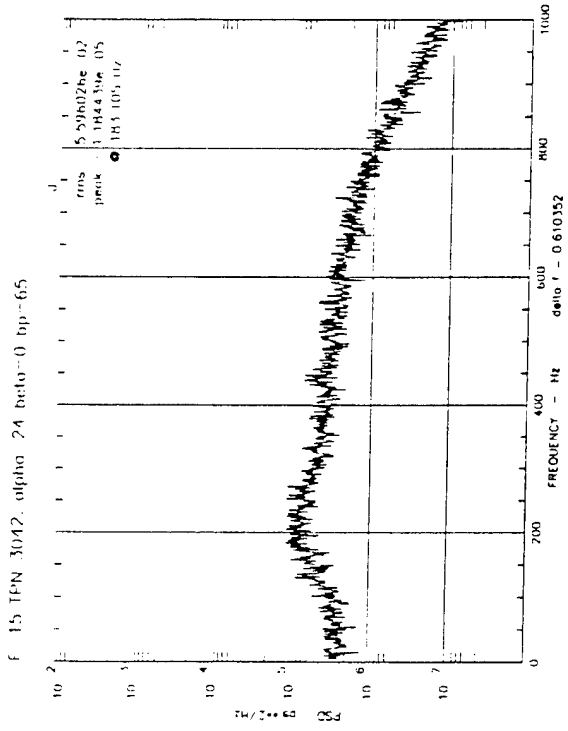

F 15 TPN 3042: alpha=24 beta=0 bp=65
H
rms = 7.688166e 02
peak = 3.437745e 05
@ 191.640 Hz
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

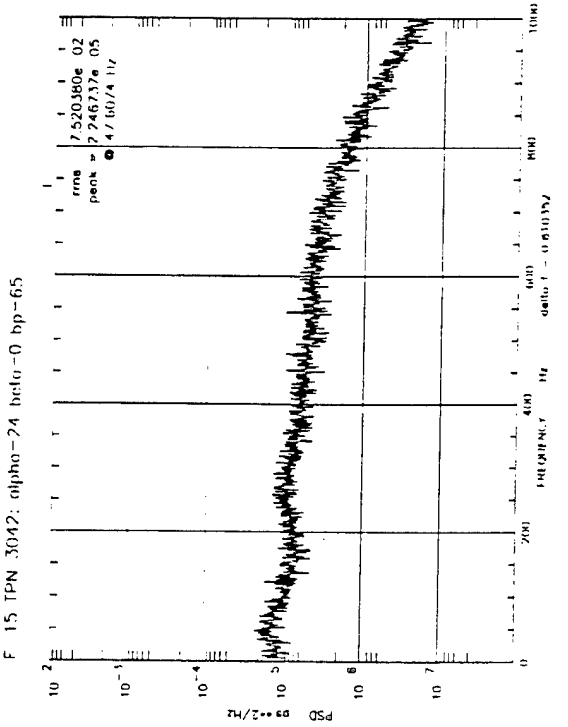

F 15 TPN 3042: alpha=24 beta=0 bp=65
G
rms = 8.219943e 02
peak = 3.350772e 05
@ 200.195 Hz
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

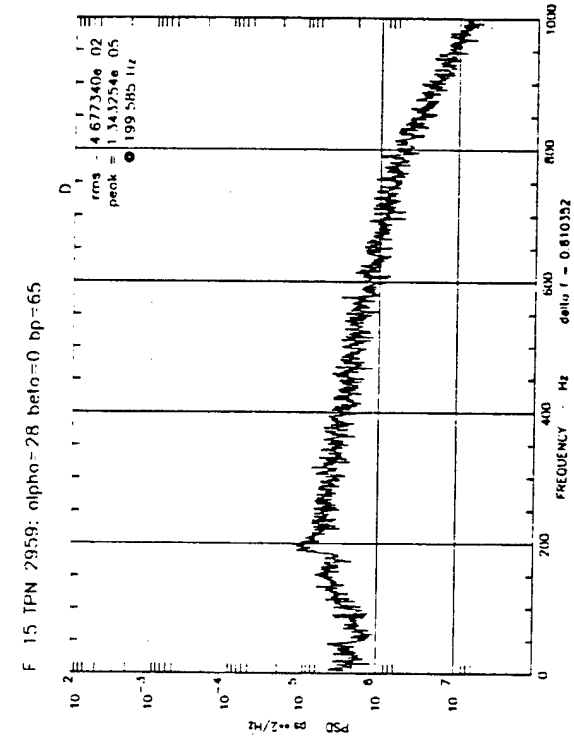

F 15 TPN 3042: alpha=24 beta=0 bp=65
F
rms = 9.141289
peak = 3.248332e 04
@ 191.144 Hz
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

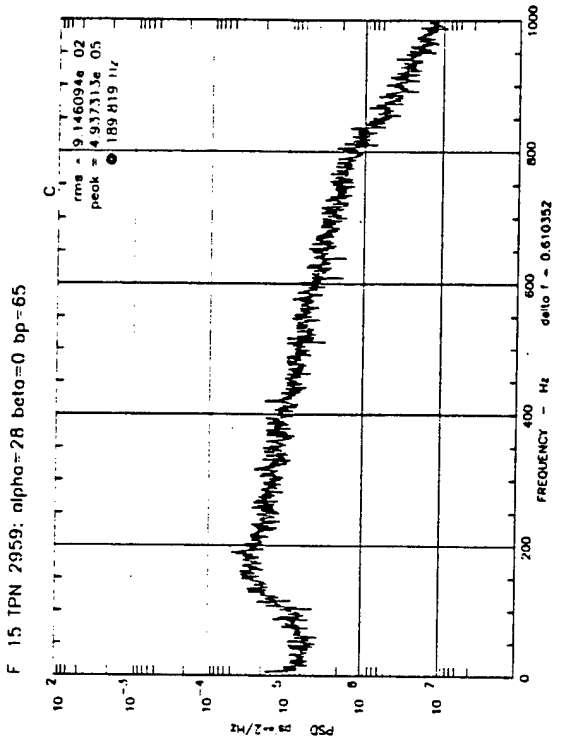

F 15 TPN 3042: alpha=24 beta=0 bp=65
F
rms = 5.540117e 02
peak = 5.957624e 05
@ 201.416 Hz
PSD pz**2/Hz
FREQUENCY - Hz
delta f = 0.610352

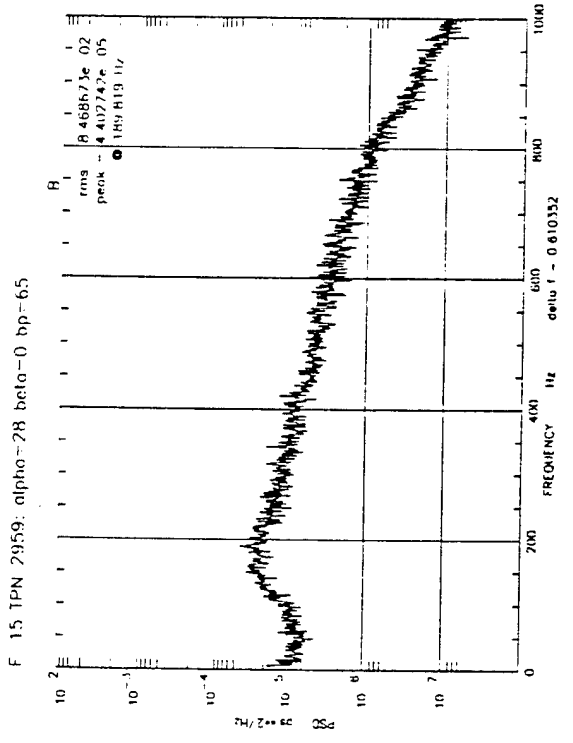

F 15 TPN 3042: alpha-24 beta-0 bp-65
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

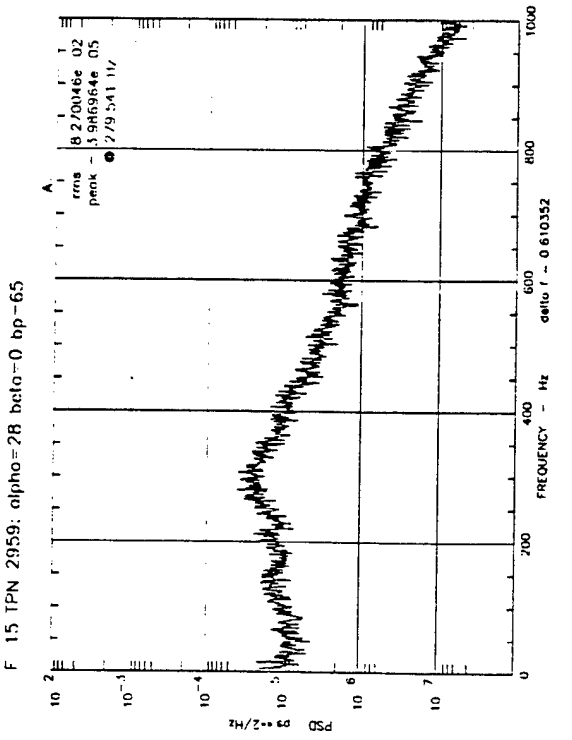

F 15 TPN 3042: alpha-24 beta-0 bp-65
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

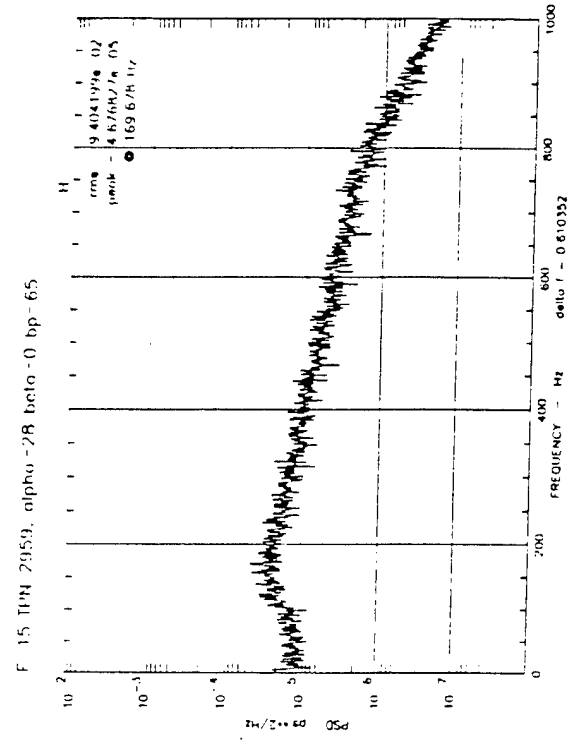

F 15 TPN 3042: alpha-24 beta-0 bp-65
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

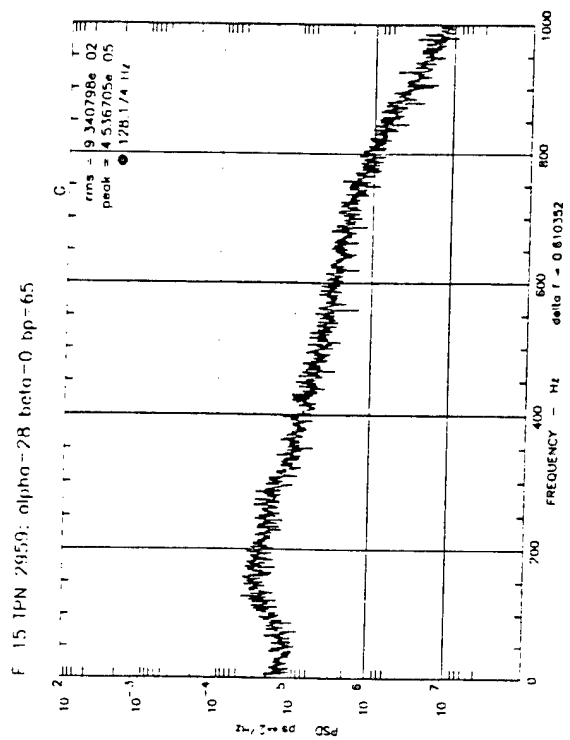

F 15 TPN 2959: alpha=28 beta=0 bp=65
D
rms = 4.677340e 02
peak = 1.343254e 05
@ 199.585 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

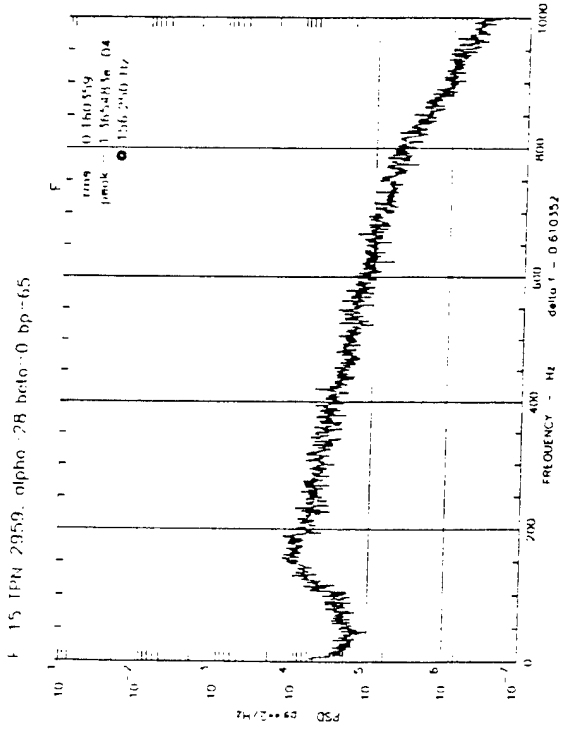

F 15 TPN 2959: alpha=28 beta=0 bp=65
C
rms = 9.146094e 02
peak = 4.937313e 05
@ 189.819 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

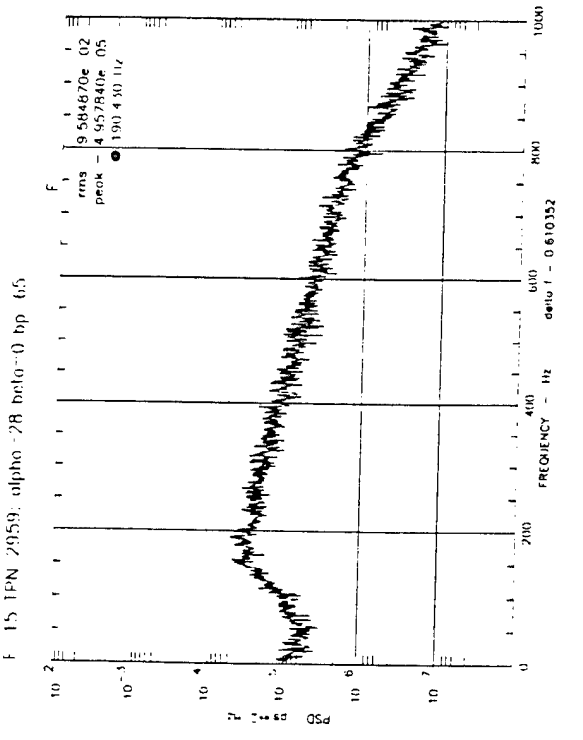

F 15 TPN 2959: alpha=28 beta=0 bp=65
B
rms = 8.468673e 02
peak = 4.407747e 05
@ 189.819 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

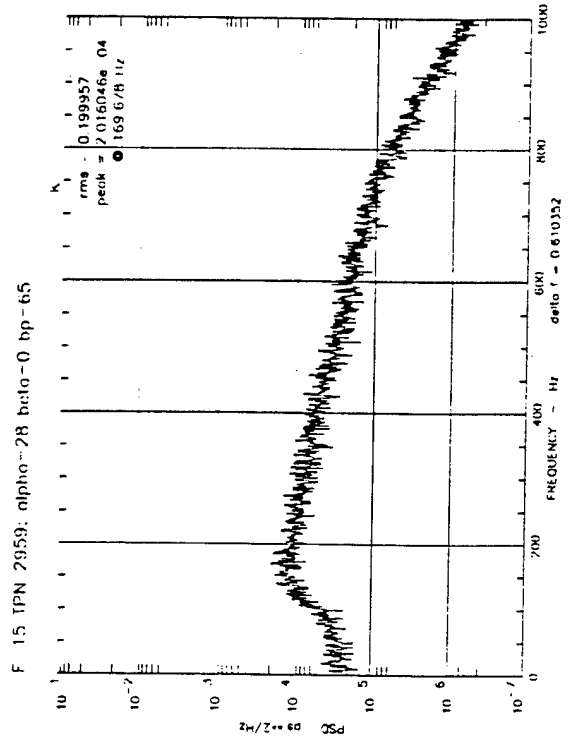

F 15 TPN 2959: alpha=28 beta=0 bp=65
A
rms = 8.270046e 02
peak = 3.986964e 05
@ 279.541 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

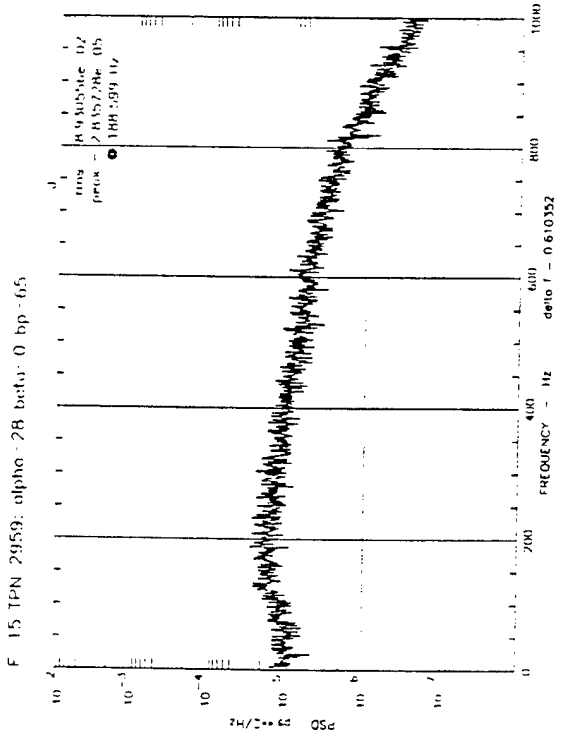

F 15 TPN 2959: alpha=28 beta=0 bp=65
PSD
FREQUENCY - Hz
delta f = 0.610352

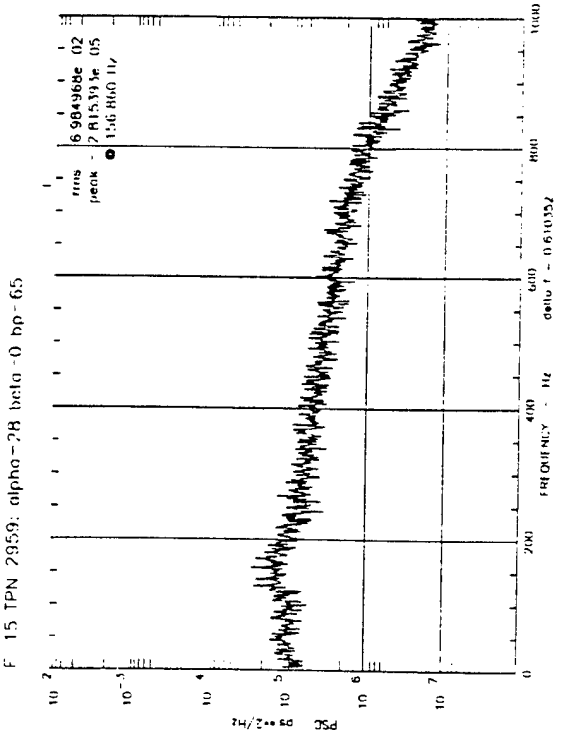

F 15 TPN 2959: alpha=28 beta=0 bp=65
PSD
FREQUENCY - Hz
delta f = 0.610352

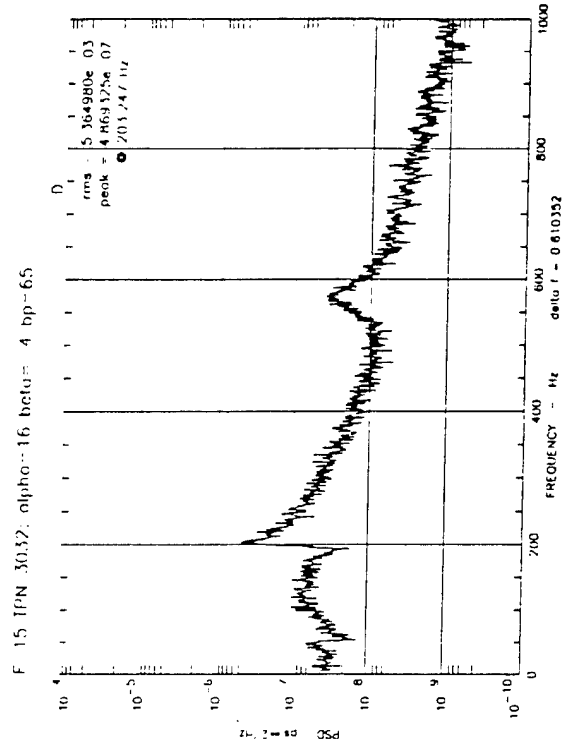

F 15 TPN 2959: alpha=28 beta=0 bp=65
PSD
FREQUENCY - Hz
delta f = 0.610352

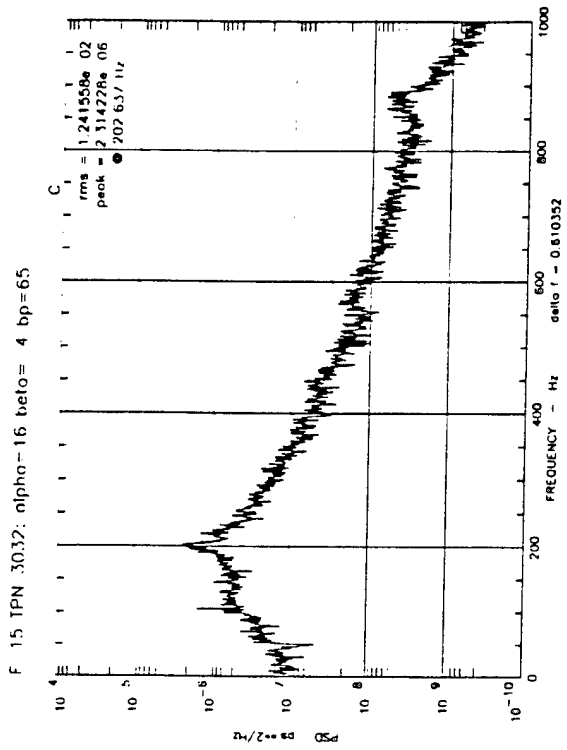

F 15 TPN 2959: alpha=28 beta=0 bp=65
PSD
FREQUENCY - Hz
delta f = 0.610352

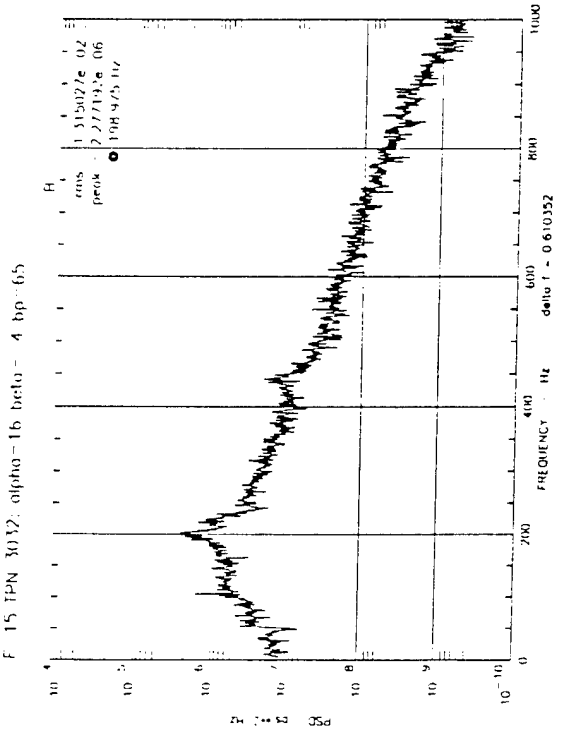

F 15 TPN 2959: alpha=28 beta=0 bp=65
rms = 0.199957
peak = 7.016046e 04
@ 169.678 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

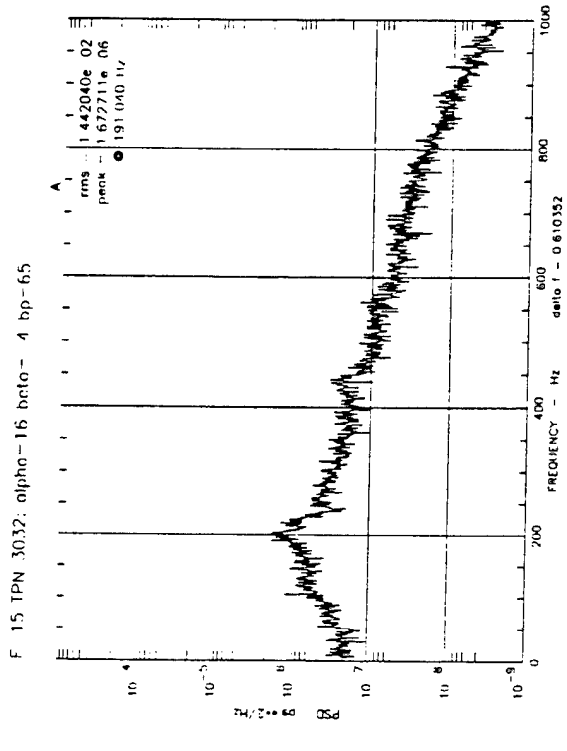

F 15 TPN 2959: alpha=28 beta=0 bp=65
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

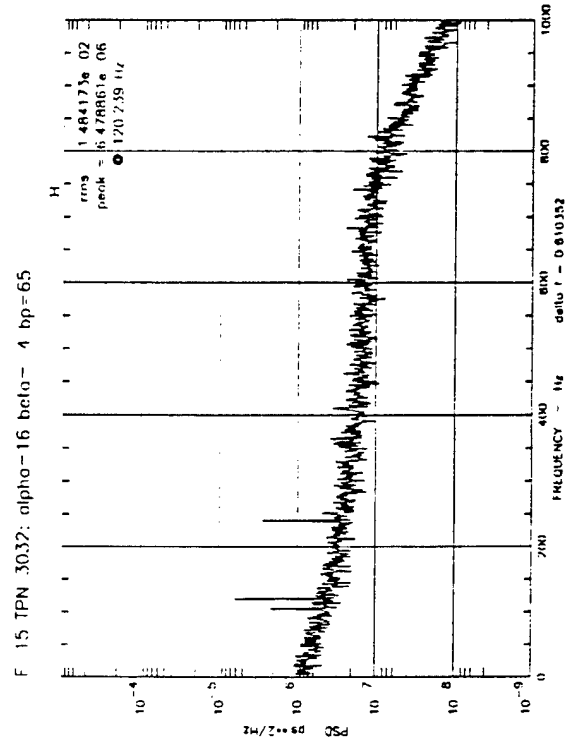

F 15 TPN 2959: alpha=28 beta=0 bp=65
rms = 6.984968e 02
peak = 7.815994e 05
@ 156.860 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

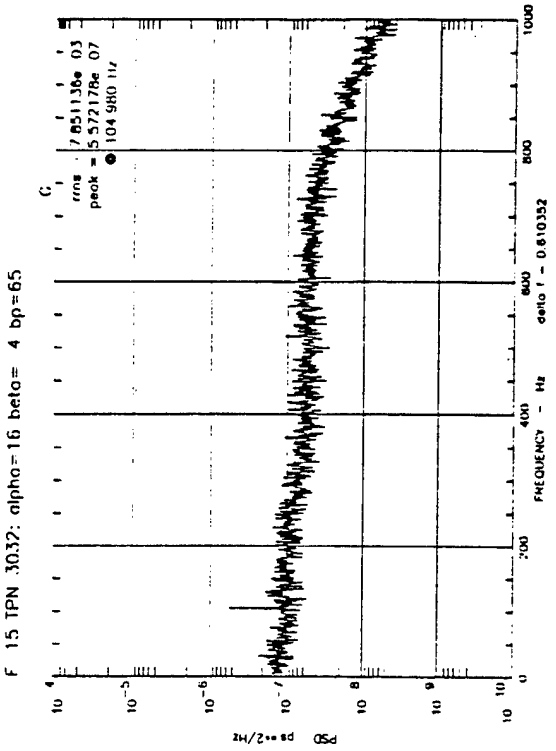

F 15 TPN 3032: alpha=16 beta= 4 bp=65
D
rms = 5.364980e 03
peak = 4.869325e 07
@ 203.247 Hz
FREQUENCY - Hz
delta f = 0.610352

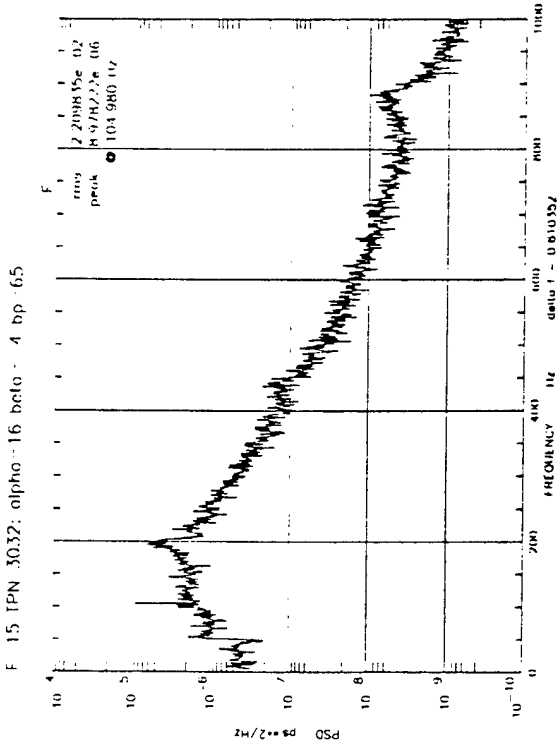

F 15 TPN 3032: alpha=16 beta= 4 bp=65
C
rms = 1.241558e 02
peak = 2.514228e 06
@ 202.637 Hz
FREQUENCY - Hz
delta f = 0.610352

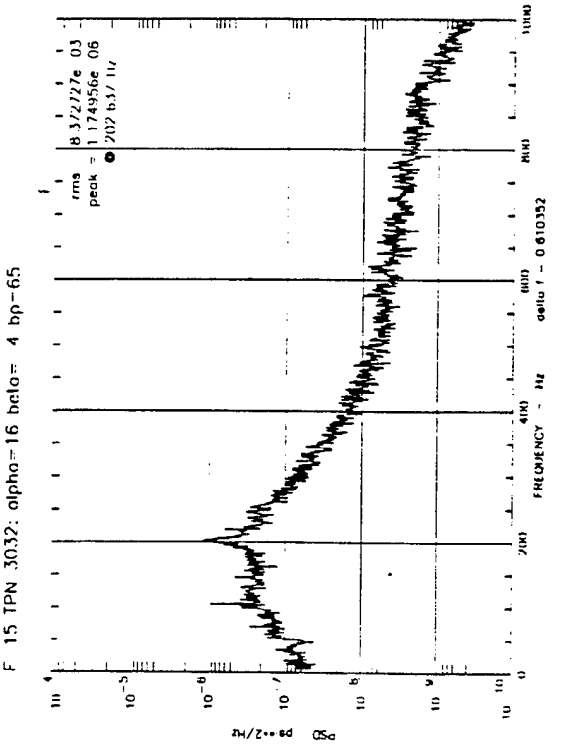

F 15 TPN 3032: alpha=16 beta= 4 bp=65
H
FREQUENCY - Hz
delta f = 0.610352

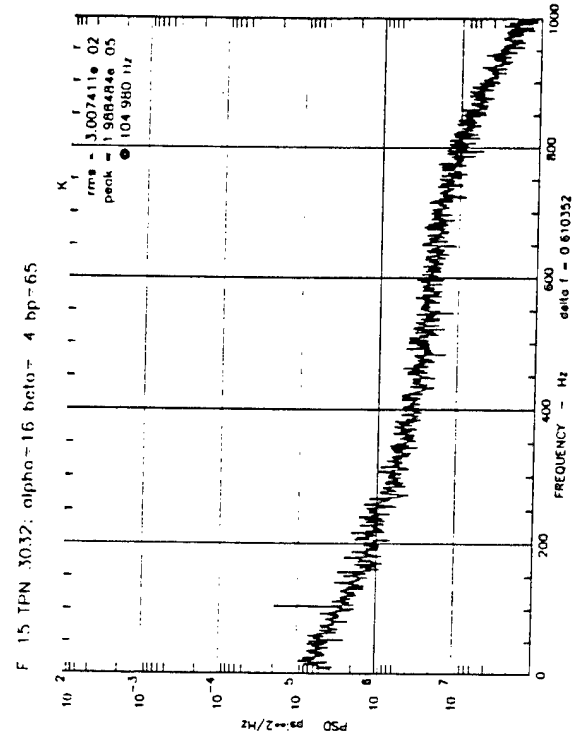

F 15 TPN 3032: alpha=16 beta= 4 bp=65
A
rms = 1.442040e 02
peak = 1.677711e 06
@ 191.040 Hz
FREQUENCY - Hz
delta f = 0.610352

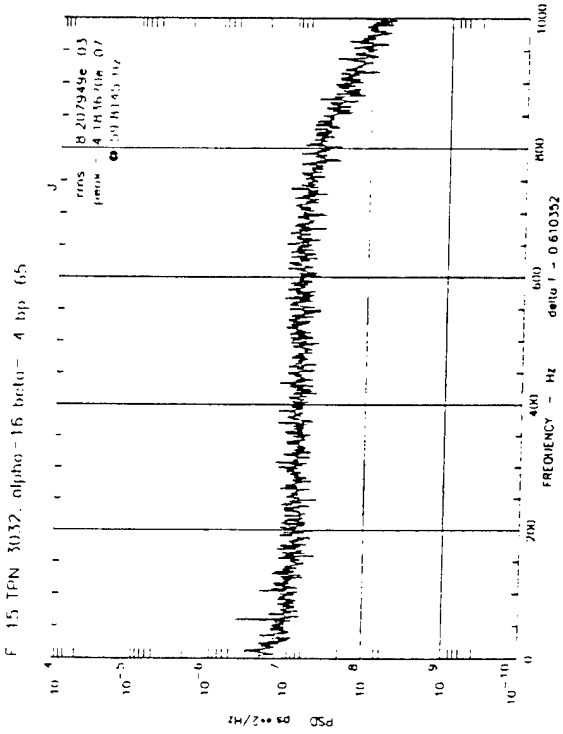

F 15 TPN 3032: alpha=16 beta= 4 bp=65
H
rms = 1.484173e 02
peak = 6.478861e 06
@ 120.259 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

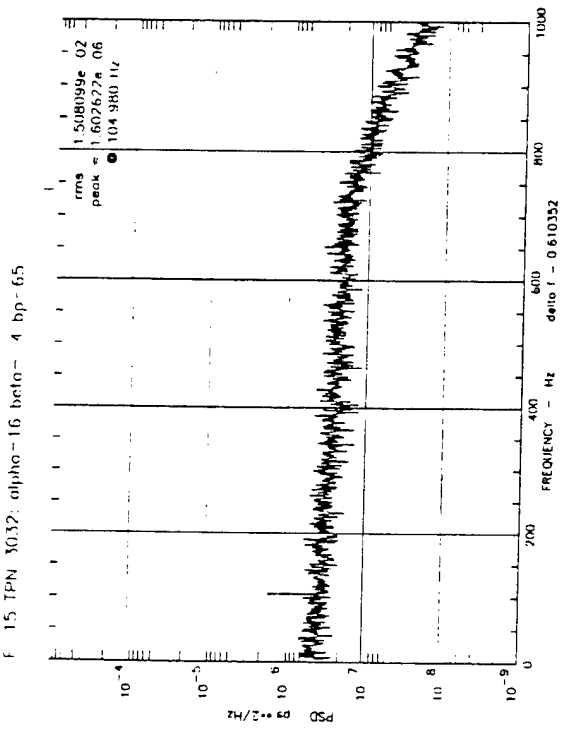

F 15 TPN 3032: alpha=16 beta= 4 bp=65
G
rms = 7.851138e 03
peak = 5.572178e 07
@ 104.980 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

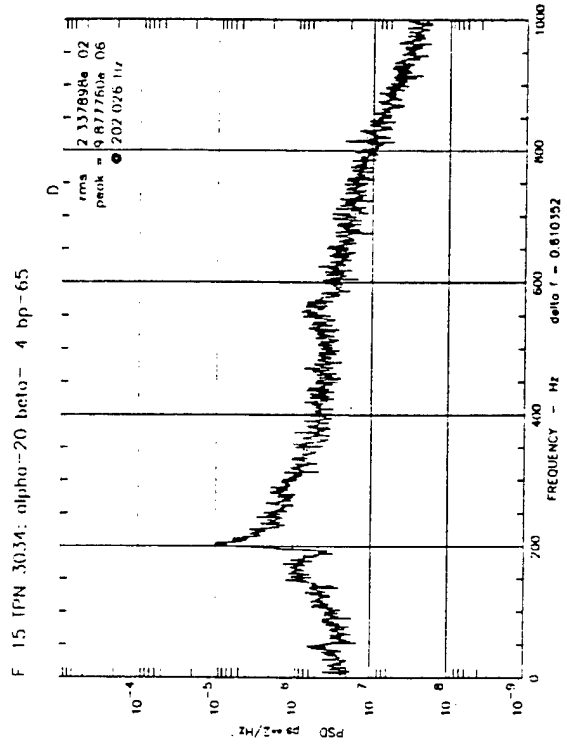

F 15 TPN 3032: alpha=16 beta= 4 bp=65
F
rms = 2.209855e 02
peak = 9.978222e 06
@ 104.980 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

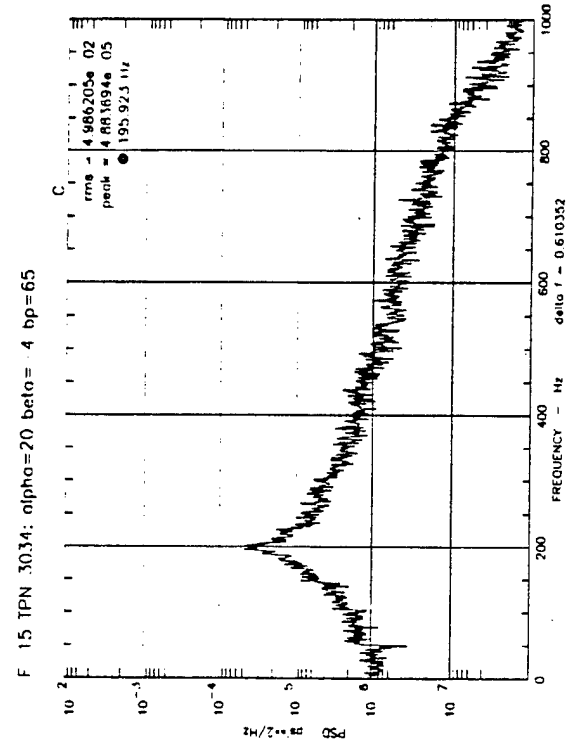

F 15 TPN 3032: alpha=16 beta= 4 bp=65
E
rms = 8.372727e 03
peak = 1.174956e 06
@ 202.637 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

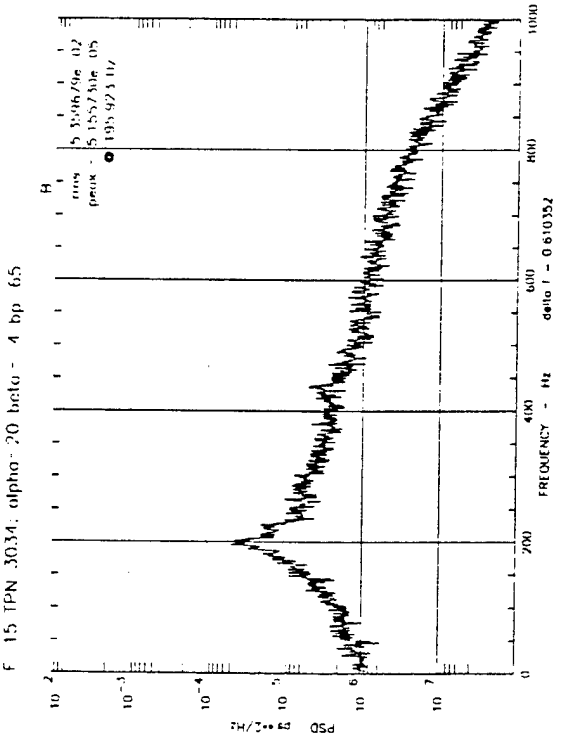

F 15 TPN 3032: alpha=16 beta= 4 bp=65
K
rms = 3.007411e 02
peak = 1.988484e 05
@ 104.980 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

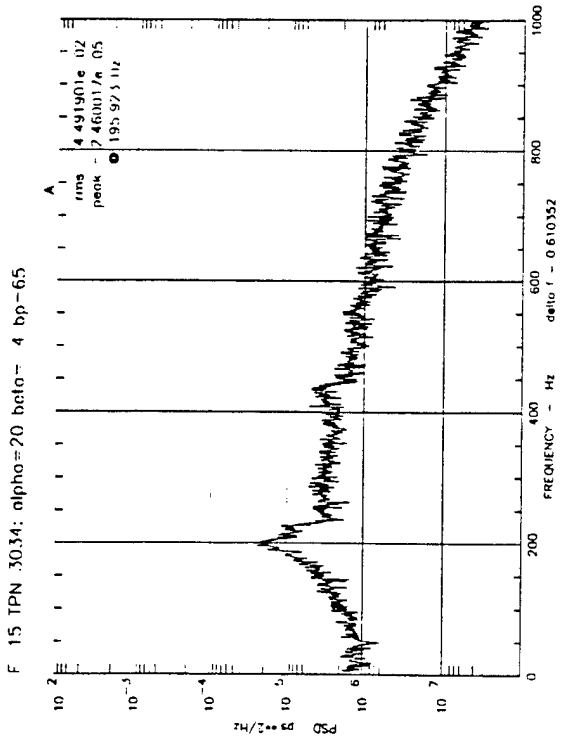

F 15 TPN 3032: alpha=16 beta= 4 bp=65
J
rms = 8.207945e 03
@ 104.980 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

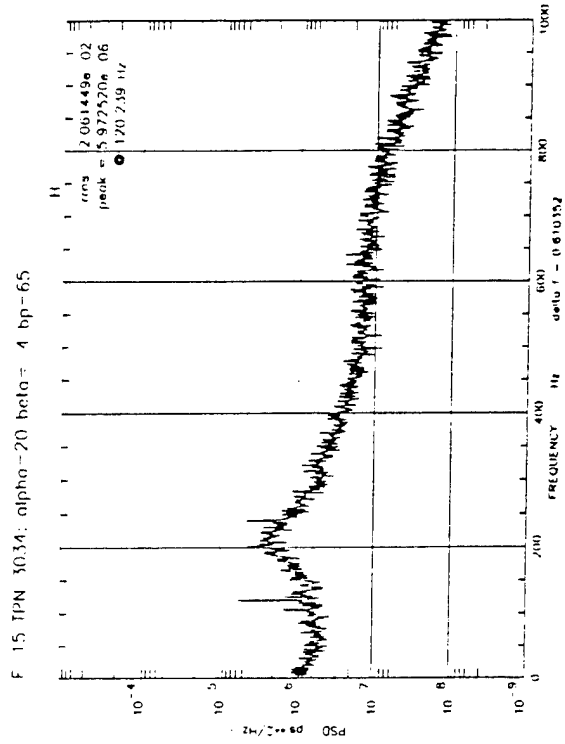

F 15 TPN 3032: alpha=16 beta= 4 bp=65
rms = 1.508099e 02
peak = 1.602672e 06
@ 104.980 Hz
PSD p3**2/Hz
FREQUENCY - Hz
delta f = 0.610352

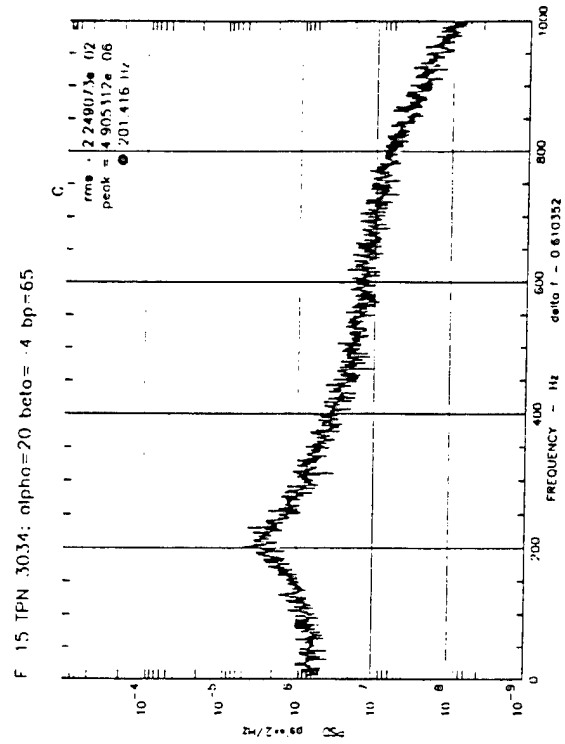

F 15 TPN 3034: alpha=20 beta= 4 bp=65
D
rms = 2.337898e 02
peak = 9.877610e 06
@ 202.026 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

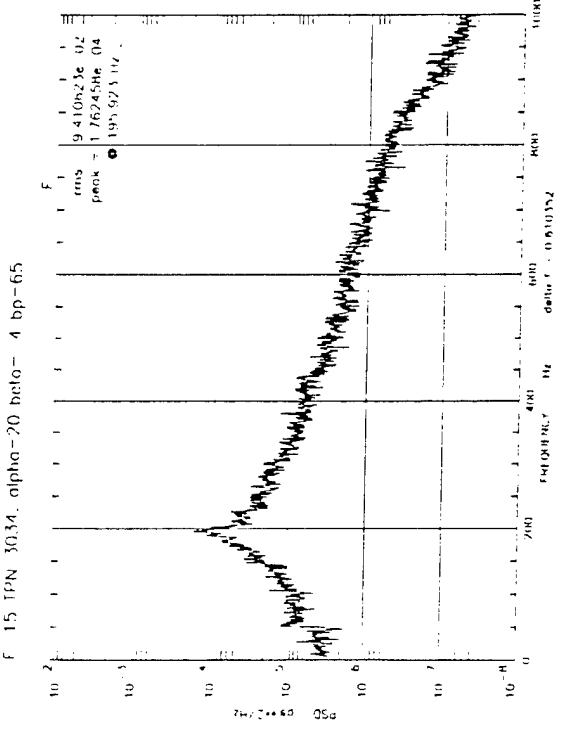

F 15 TPN 3034: alpha=20 beta= 4 bp=65
C
rms = 4.986205e 02
peak = 4.881694e 05
@ 195.923 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

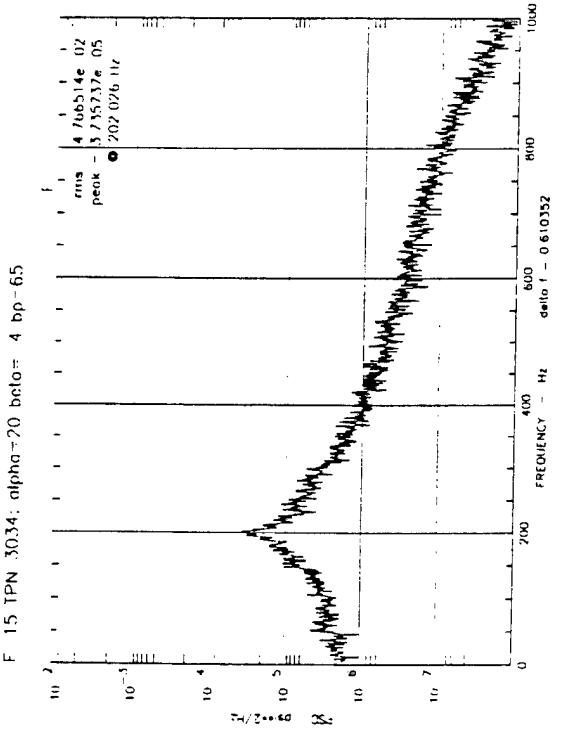

F 15 TPN 3034: alpha=20 beta= 4 bp 65
H
rms = 5.350796e 02
peak = 5.155758e 05
@ 195.923 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

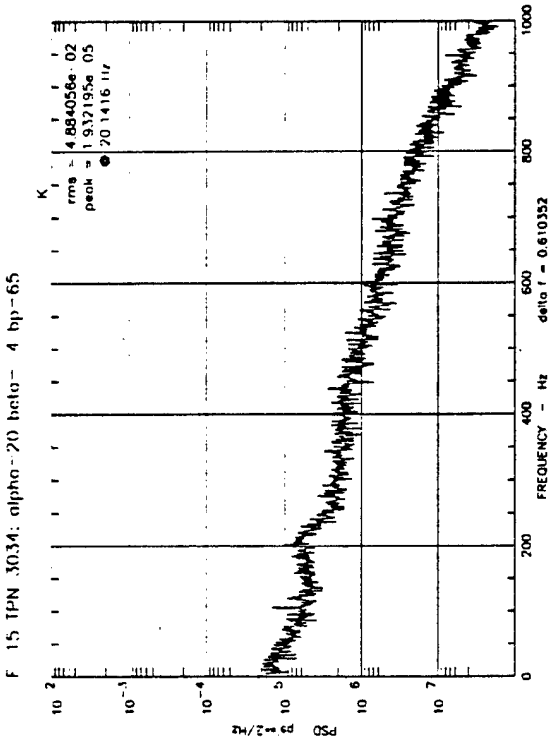

F 15 TPN 3034: alpha=20 beta= 4 bp=65
A
rms = 4.491901e 02
peak = 7.460017e 05
@ 195.923 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

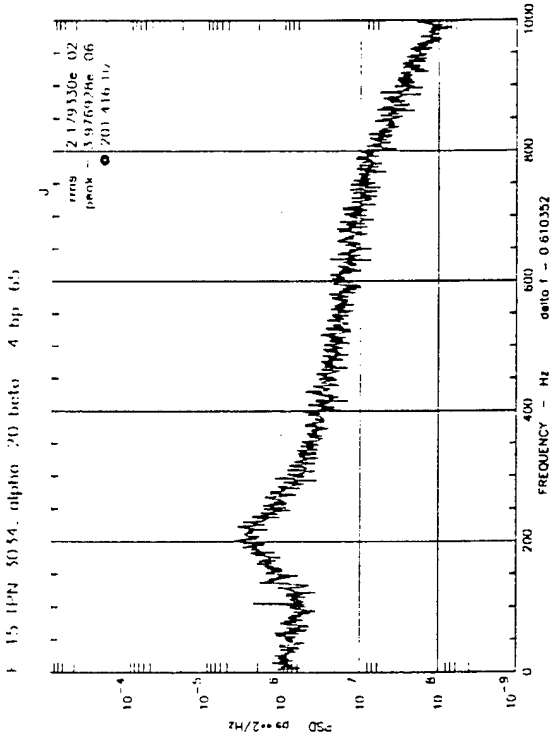

F 15 TPN 3034: alpha=20 beta= 4 bp=65
H
rms 2.061449e 02
peak = 5.972520e 06
@ 120.239 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

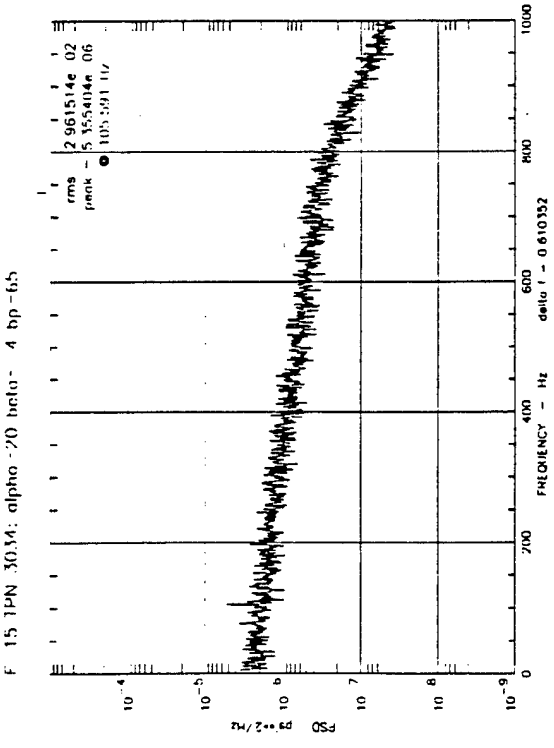

F 15 TPN 3034: alpha=20 beta= 4 bp=65
G
rms = 2.249073e 02
peak = 4.905112e 06
@ 201.416 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

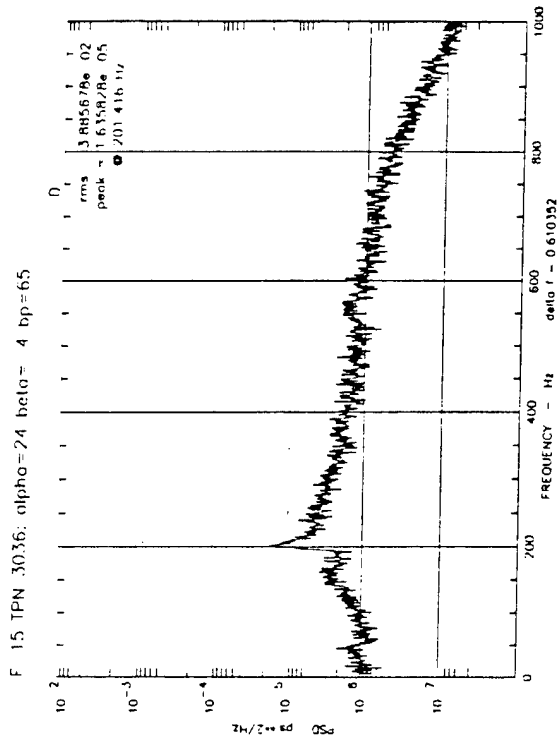

F 15 TPN 3034: alpha=20 beta= 4 bp=65
F
rms 9.410623e 02
peak = 1.762458e 04
@ 195.923 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

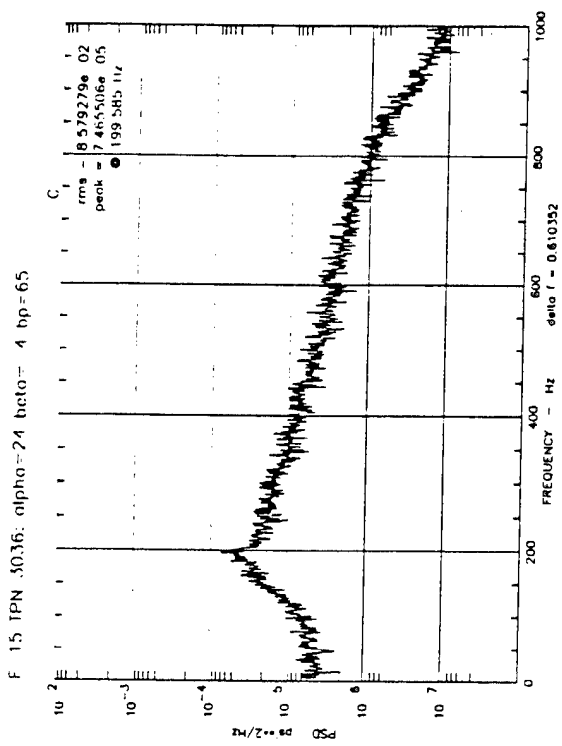

F 15 TPN 3034: alpha=20 beta= 4 bp=65
I
rms 4.766514e 02
peak = 3.755737e 05
@ 202.026 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

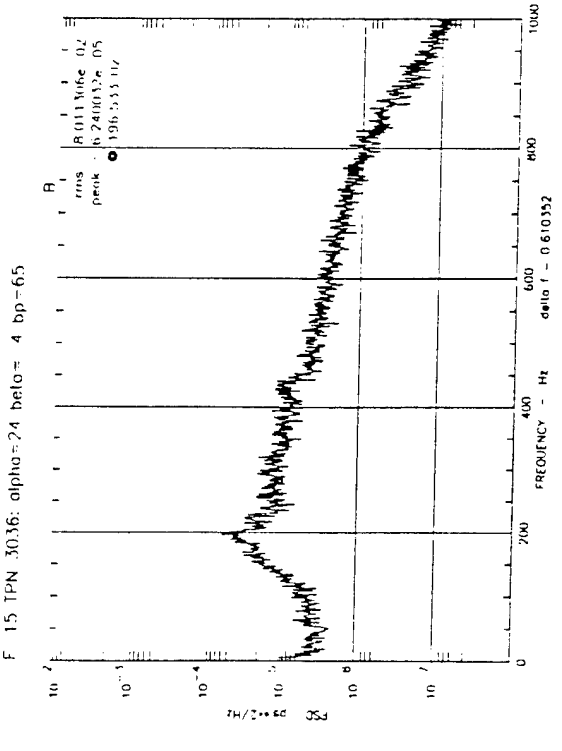

F 15 TPN 30.34: alpha=20 beta= 4 bp=65
K
rms = 4.884058e 02
peak = 1.932195e 05
@ 20.1416 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

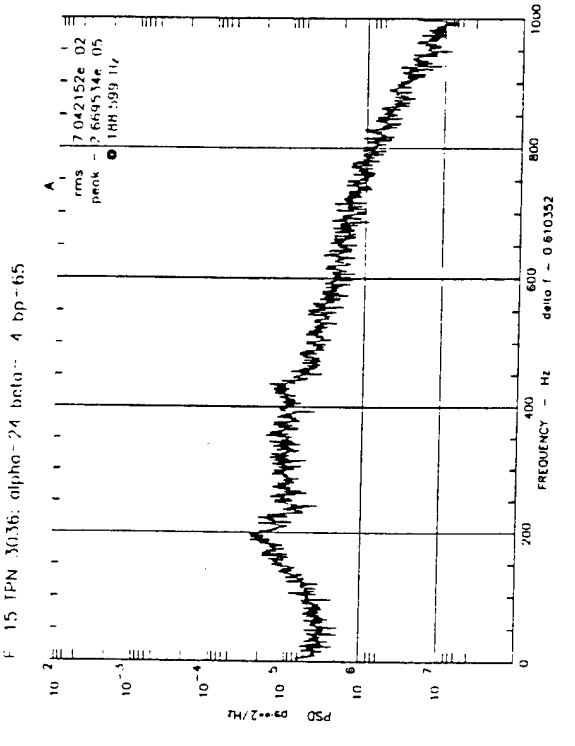

F 15 TPN 30.34: alpha=20 beta= 4 bp=65
J
rms = 2.179530e 02
peak = 3.976928e 06
@ 20.1416 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

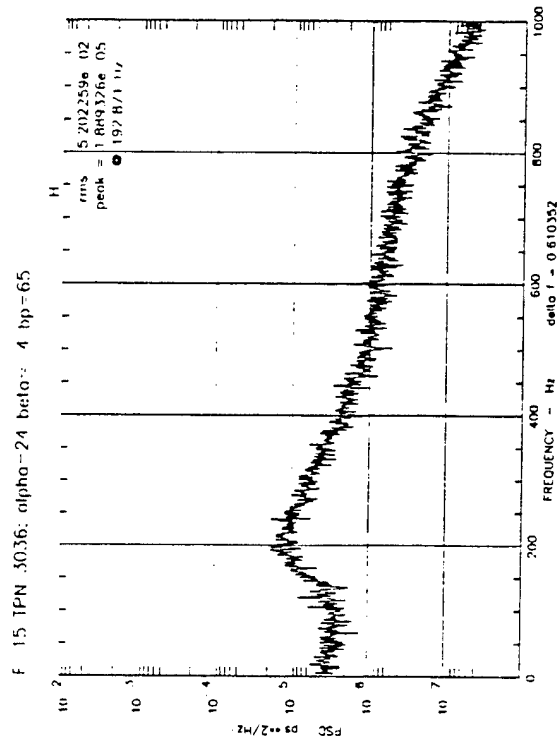

F 15 TPN 30.34: alpha=20 beta= 4 bp=65
I
rms = 2.961514e 02
peak = 5.554044e 06
@ 105.591 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

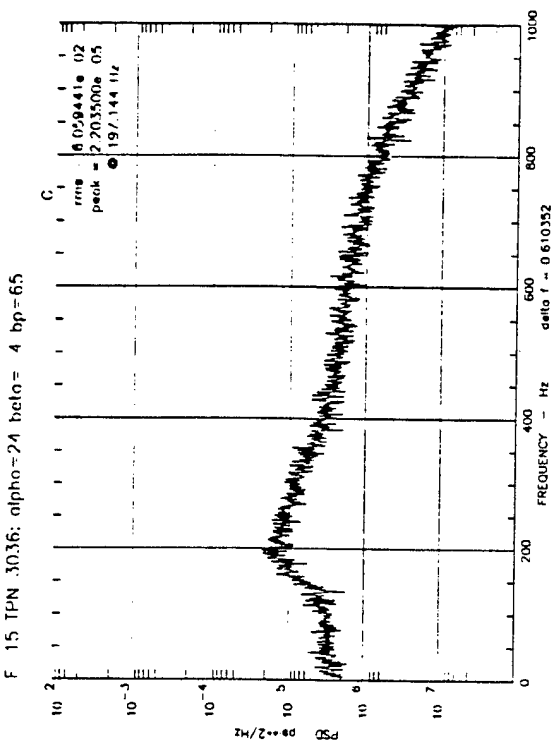

F 15 TPN 3036: alpha=24 beta= 4 bp=65
D
rms = 3.885678e 02
peak = 1.615978e 05
@ 201.416 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

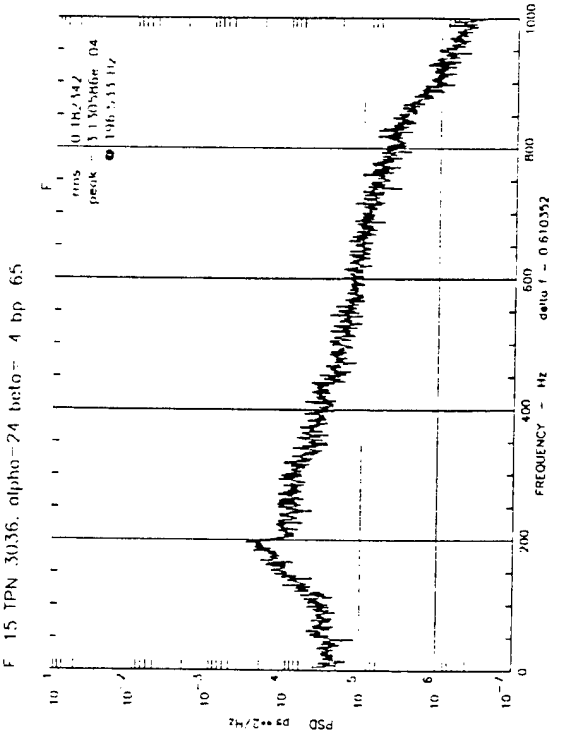

F 15 TPN 3036: alpha=24 beta= 4 bp=65
C
rms = 8.579279e 02
peak = 7.465506e 05
@ 199.585 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

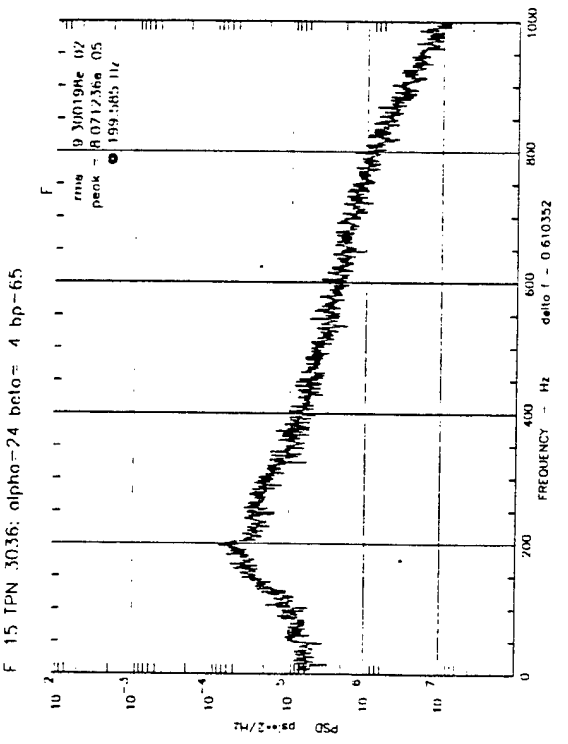

F 15 TPN 3036: alpha=24 beta= 4 bp=65
B
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

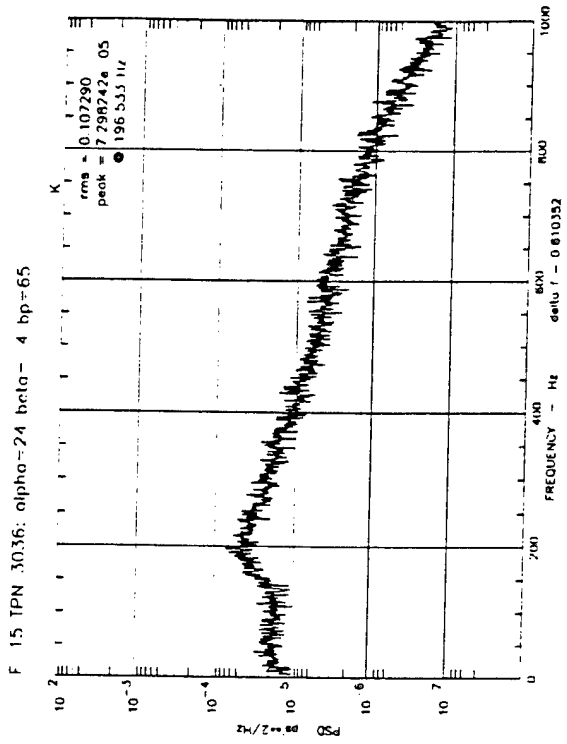

F 15 TPN 3036: alpha=24 beta= 4 bp=65
A
rms = 7.042152e 02
peak = 7.669514e 05
@ 188.599 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

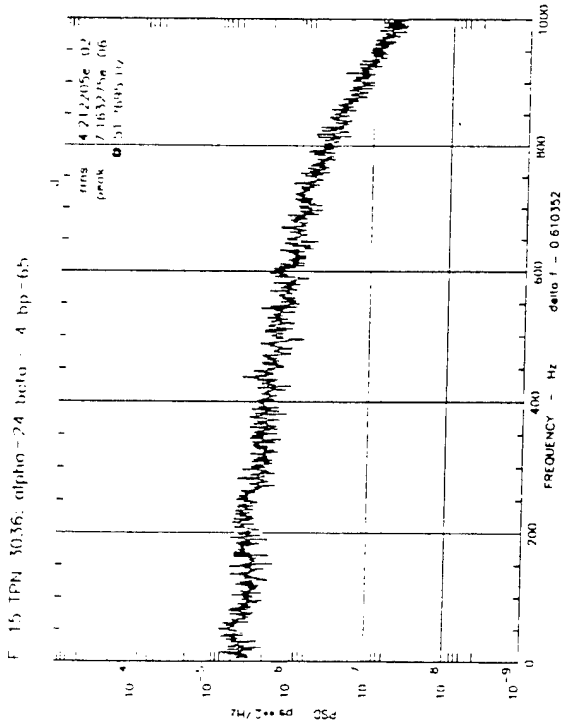

F 15 TPN .3036: alpha=24 beta= 4 bp=65
H
rms = 5.2122596e 02
peak = 1.8493726e 05
@ 192.8711 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

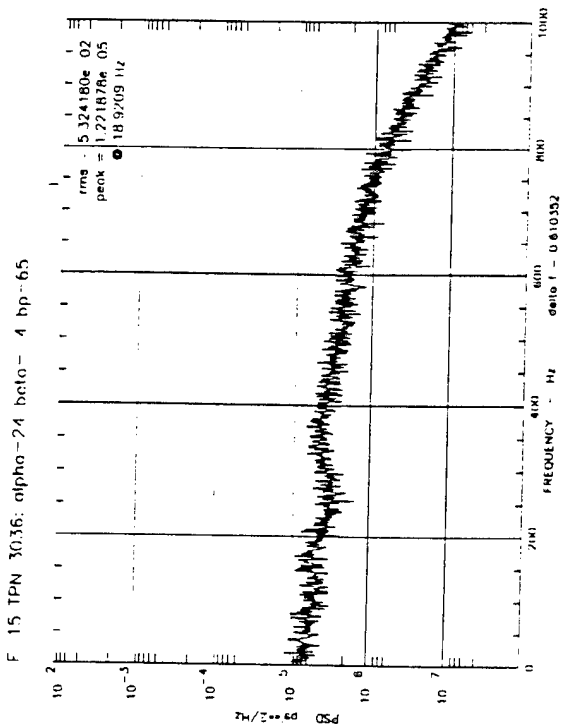

F 15 TPN .3036: alpha=24 beta= 4 bp=65
G
rms = 6.0504416e 02
peak = 2.2035006e 05
@ 197.1441 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

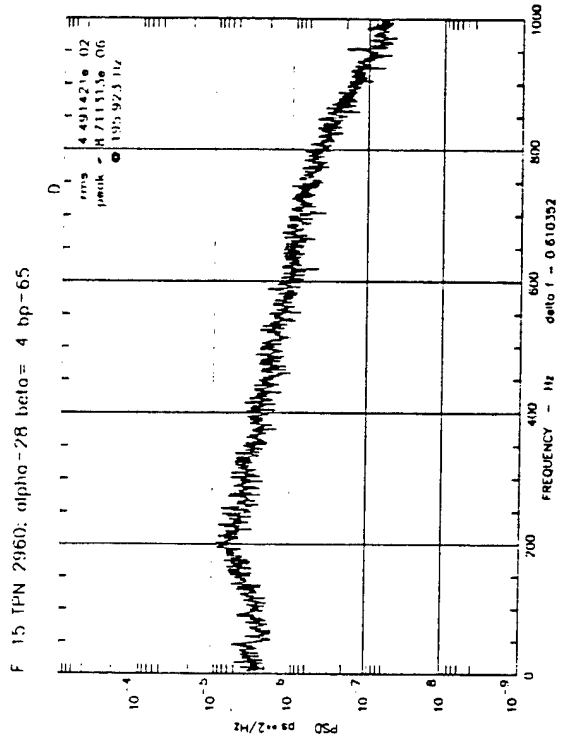

F 15 TPN .3036: alpha=24 beta= 4 bp 65
F
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

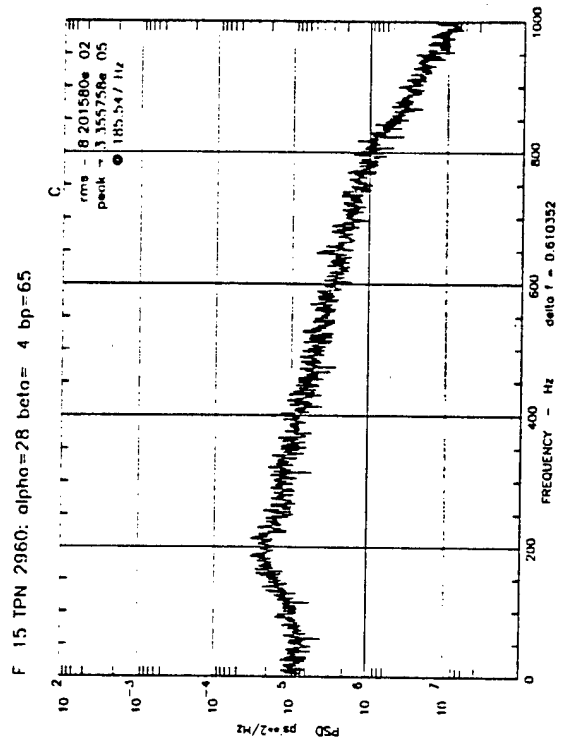

F 15 TPN .3036: alpha=24 beta= 4 bp=65
F
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

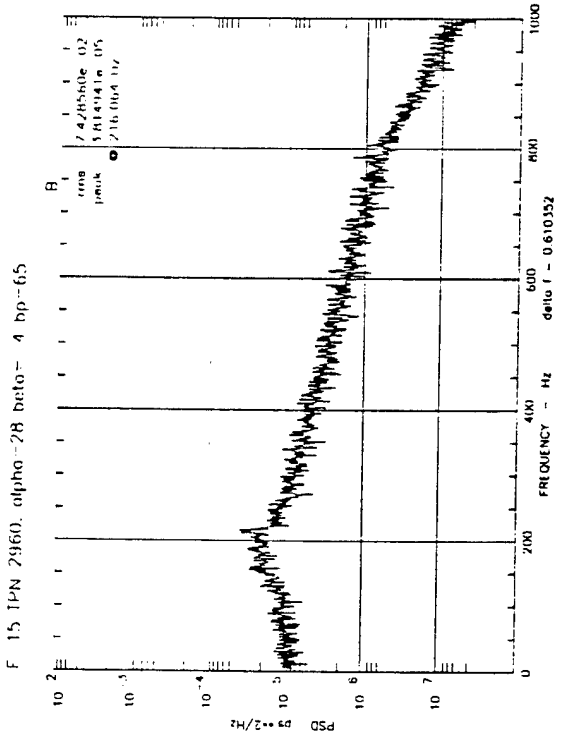

F 15 TPN 3036: alpha=24 beta= 4 bp=65
rms = 0.107290
peak = 7.298742e 05
@ 196.533 Hz
FREQUENCY - Hz
delta f = 0.610352

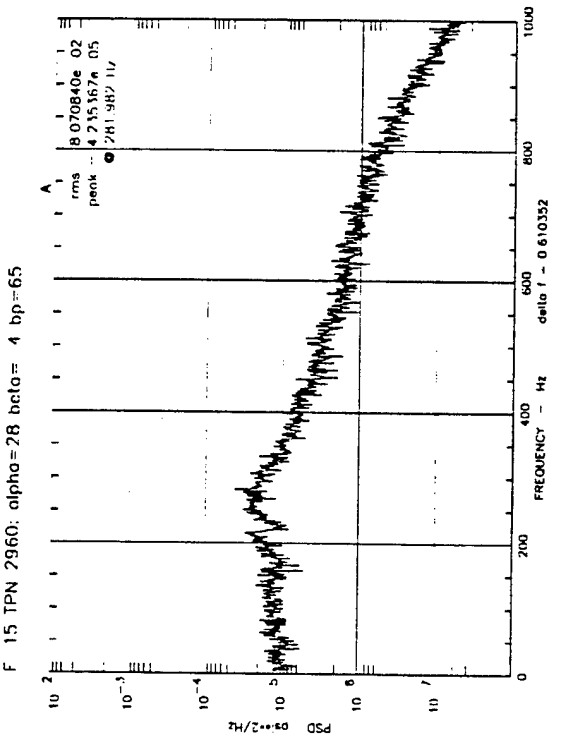

F 15 TPN 3036: alpha=24 beta= 4 bp=65
FREQUENCY - Hz
delta f = 0.610352

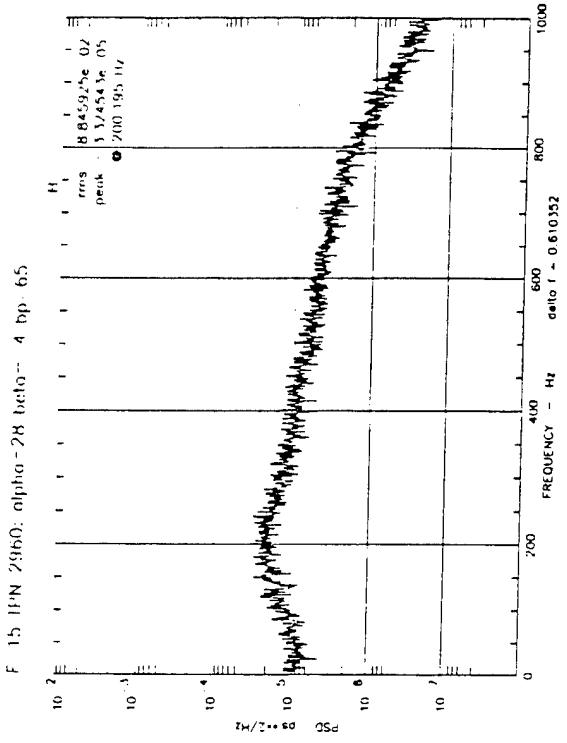

F 15 TPN 3036: alpha=24 beta= 4 bp=65
rms = 5.324180e 02
peak = 1.221878e 05
@ 18.9209 Hz
FREQUENCY - Hz
delta f = 0.610352

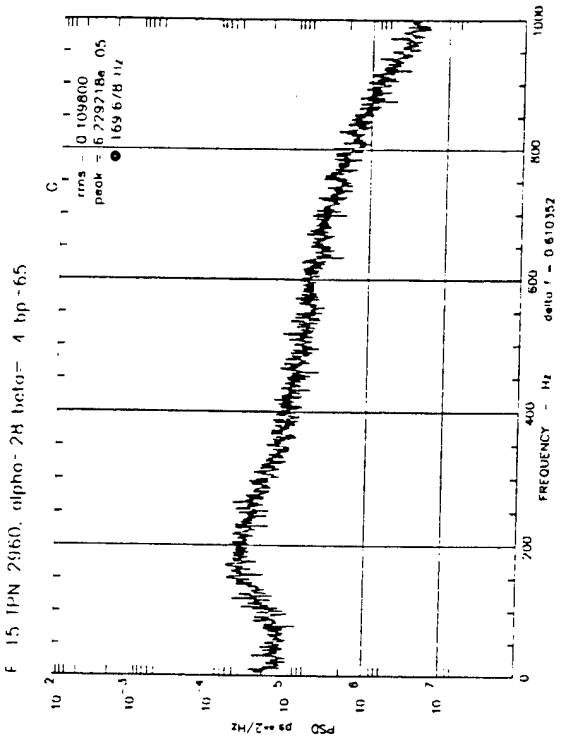

F 15 TPN 2960: alpha=28 beta= 4 bp=65
D
FREQUENCY - Hz
delta f = 0.610352
PSD ps**2/Hz

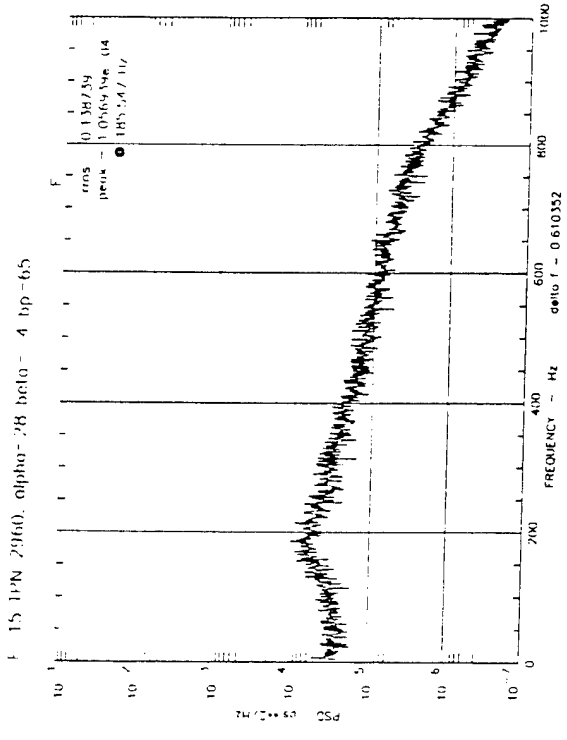

F 15 TPN 2960: alpha=28 beta= 4 bp=65
C
FREQUENCY - Hz
delta f = 0.610352
PSD ps**2/Hz

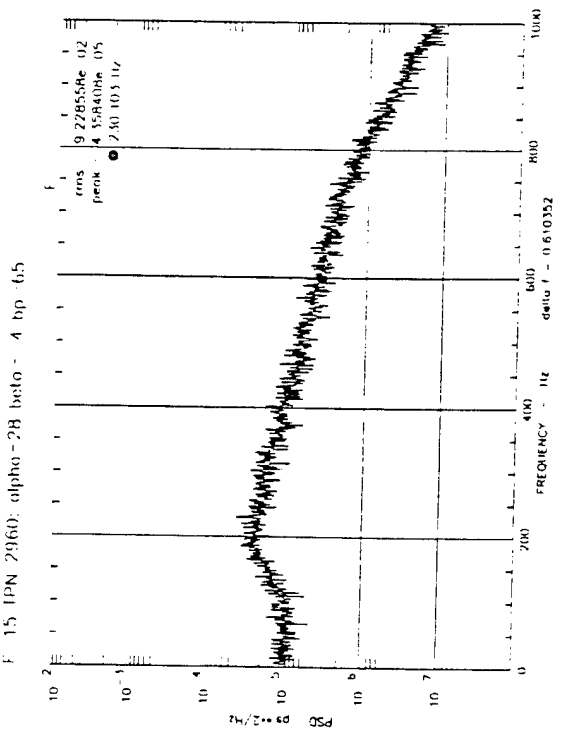

F 15 TPN 2960: alpha=28 beta= 4 bp=65
B
FREQUENCY - Hz
delta f = 0.610352
PSD ps**2/Hz

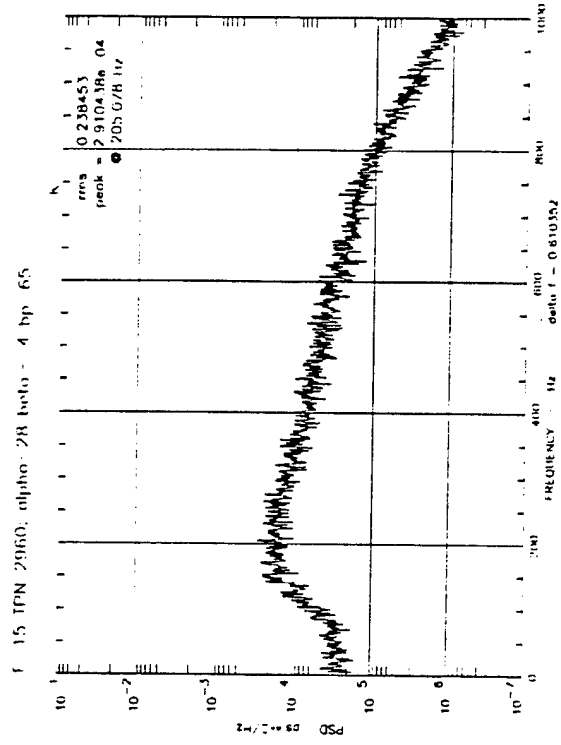

F 15 TPN 2960: alpha=28 beta= 4 bp=65
A
FREQUENCY - Hz
delta f = 0.610352
PSD ps**2/Hz

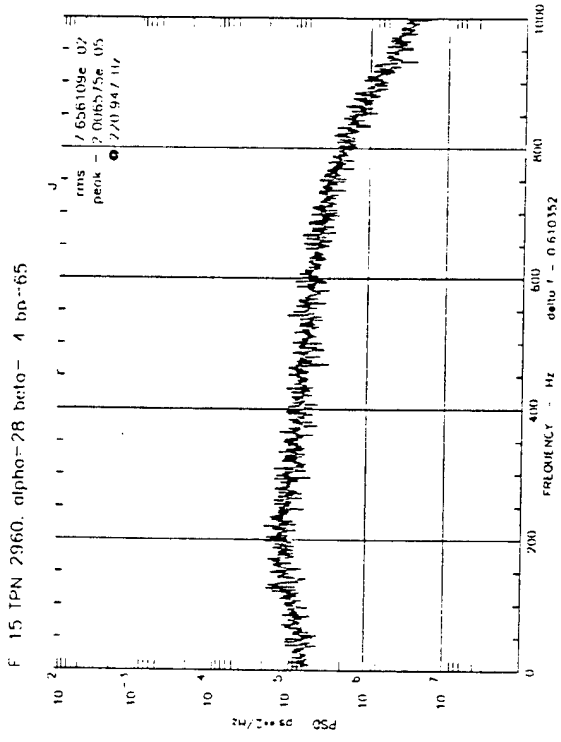

F 15 IFN 2960: alpha-2B beta= 4 bp-65
H
rms = 8.845928e 02
peak = 1.124534e 05
@ 200.195 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

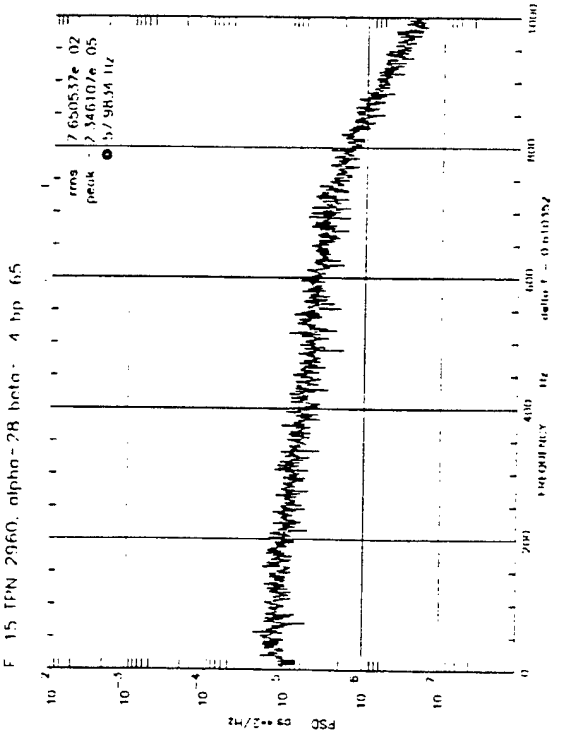

F 15 IFN 2960: alpha-2B beta= 4 bp-65
G
rms = 0.109800
peak = 6.229218e 05
@ 169.678 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 IFN 2960: alpha-2B beta= 4 bp-65
F
rms = 0.138739
peak = 1.056434e 04
@ 185.547 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 IFN 2960: alpha-2B beta= 4 bp-65
F
rms = 9.228558e 02
peak = 4.958408e 05
@ 260.193 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2960, alpha=28 beta= 4 bp 65
rms = 0.238453
peak = 2.910438e 04
@ 205.678 Hz
delta f = 0.610352
FREQUENCY Hz
PSD g**2/Hz

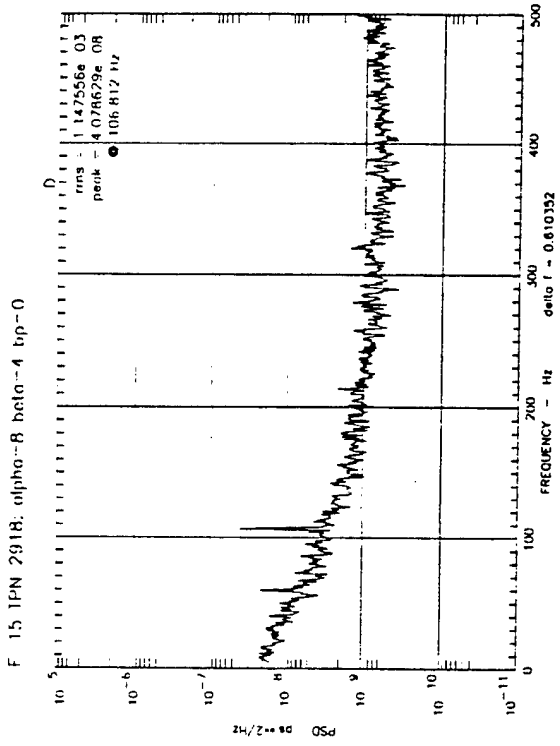

F 15 TPN 2960, alpha=28 beta= 4 bp 65
rms = 7.656109e 02
peak = 2.006575e 05
@ 220.947 Hz
delta f = 0.610352
FREQUENCY Hz
PSD g**2/Hz

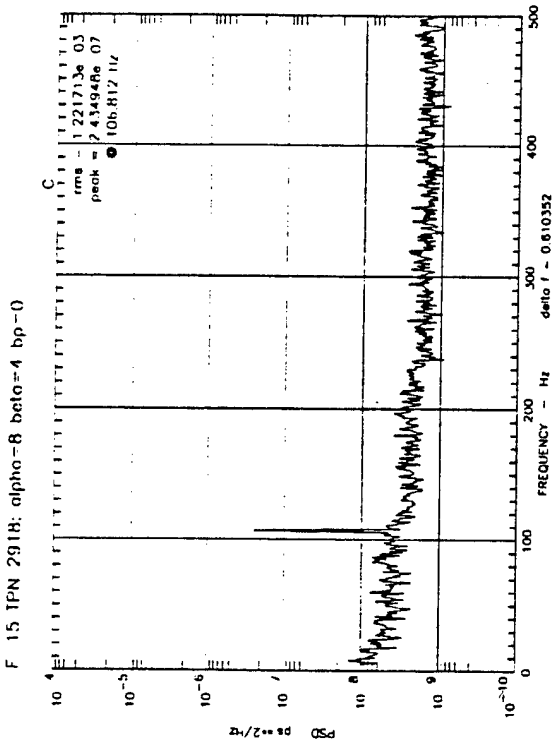

F 15 TPN 2960, alpha=28 beta= 4 bp 65
rms = 7.650537e 02
peak = 3.346107e 05
@ 57.983 Hz
delta f = 0.610352
FREQUENCY Hz
PSD g**2/Hz

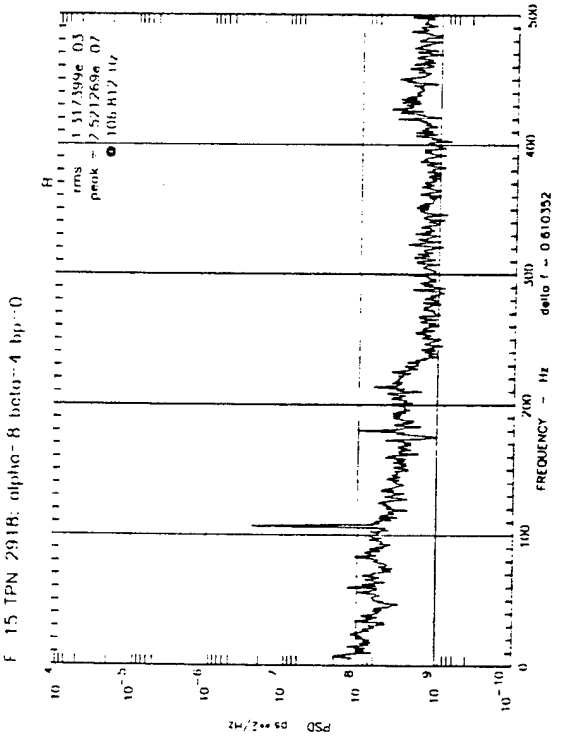
PRESSURE PSD's

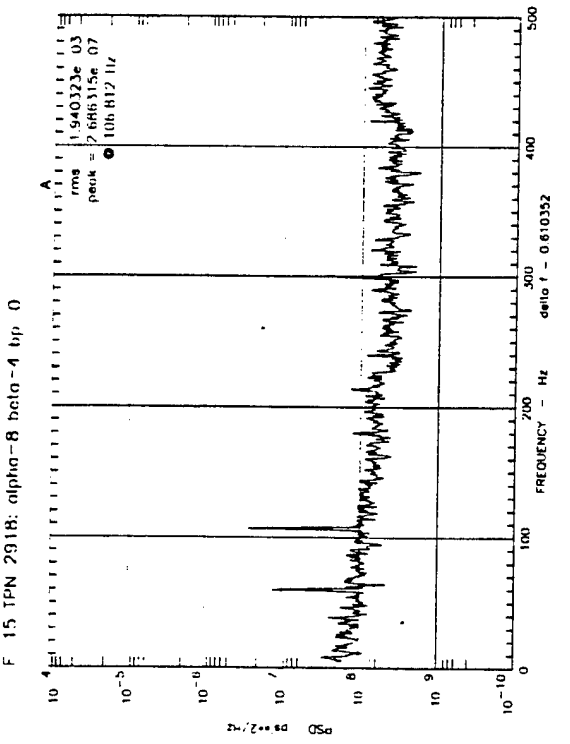
Q=56 PSF

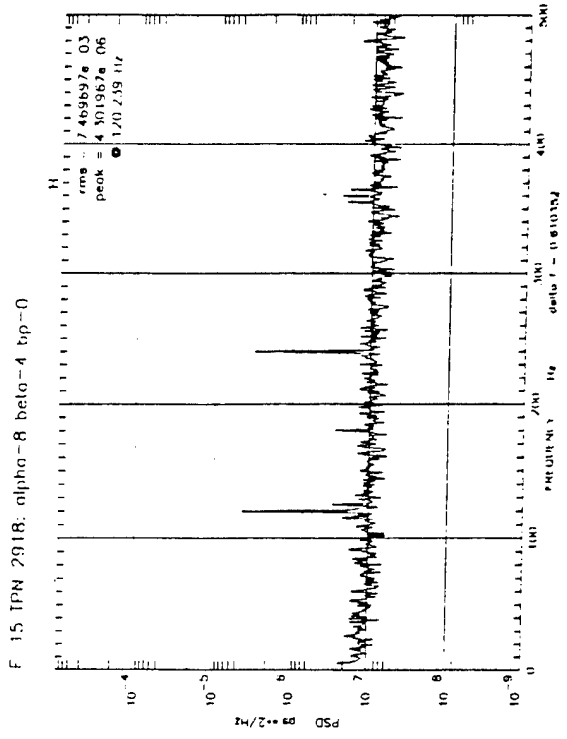
2.1.2.1 PSD GRAPHS(5- 500 Hz), wbp = 0,45, 65, Beta = 0, +4, -4 Deg, Alpha = 8...32 Deg

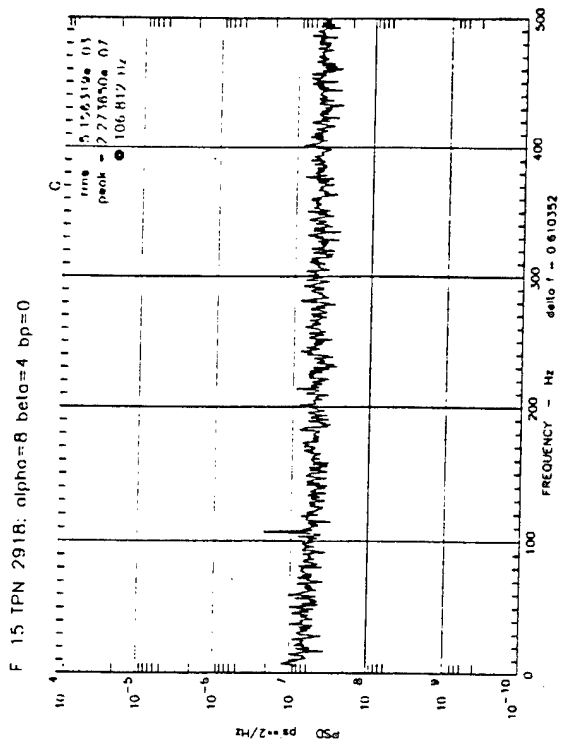

F 15 TPN 2918: alpha-8 beta-4 bp-0
D
rms = 1.147556e 03
peak = 4.078629e 08
@ 106.812 Hz
PSD
FREQUENCY - Hz
delta f ~ 0.610352

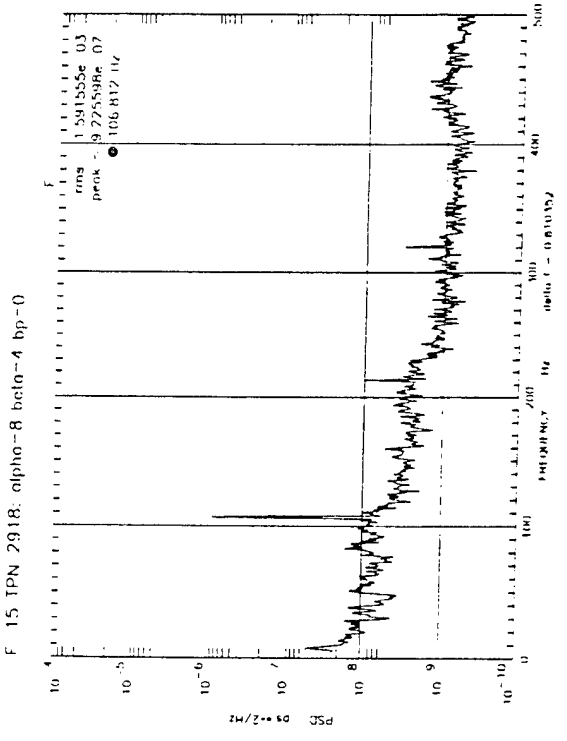

F 15 TPN 2918: alpha-8 beta-4 bp-0
C
rms = 1.221713e 03
peak = 2.434946e 07
@ 106.812 Hz
PSD
FREQUENCY - Hz
delta f ~ 0.610352

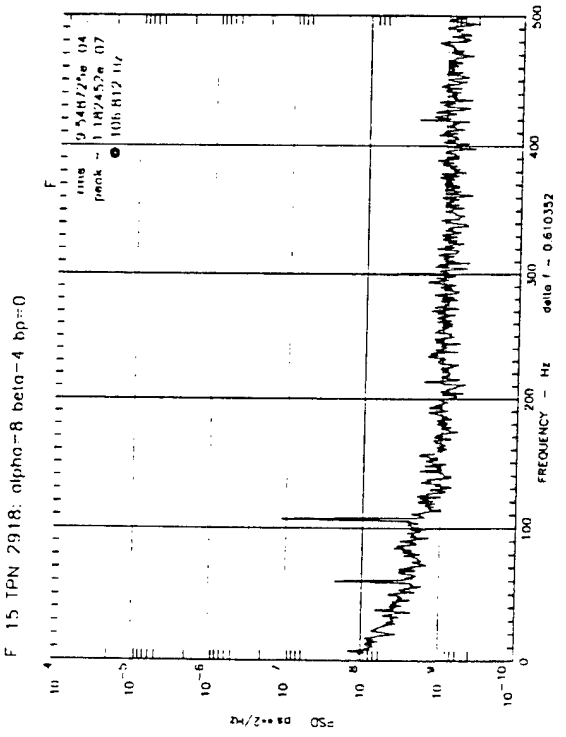

F 15 TPN 2918: alpha-8 beta-4 bp-0
B
rms = 1.317394e 03
peak = 7.521769e 07
@ 106.812 Hz
PSD
FREQUENCY - Hz
delta f ~ 0.610352


F 15 TPN 2918: alpha-8 beta-4 bp-0
A
rms = 1.940323e 03
peak = 7.686315e 07
@ 106.812 Hz
PSD
FREQUENCY - Hz
delta f ~ 0.610352

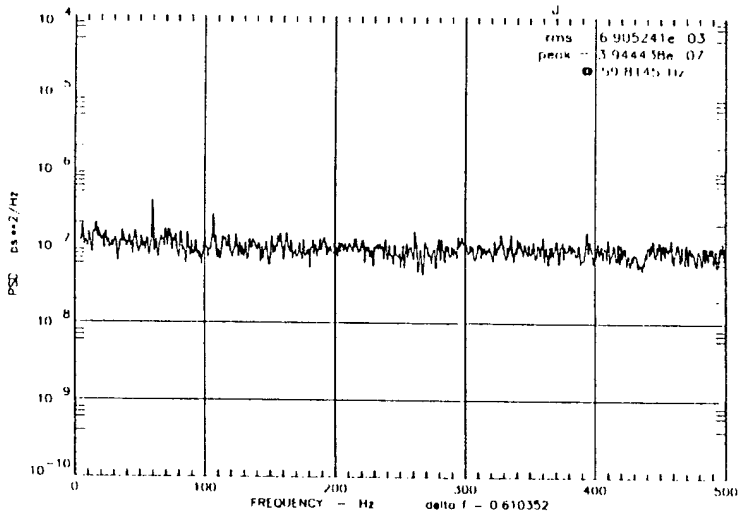

F 15 TPN 2918: alpha=8 beta=4 bp=0
H
rms = 7.469697e 03
peak = 4.301967e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2918: alpha=8 beta=4 bp=0
G
rms = 5.156319e 03
peak = 2.776950e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

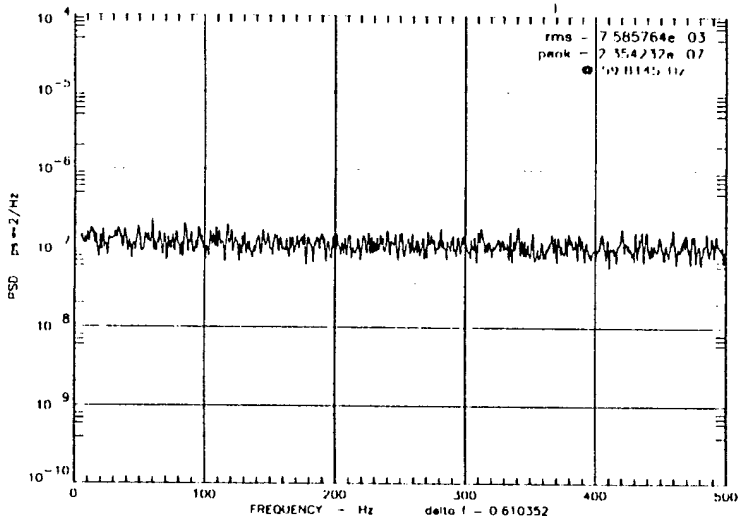

F 15 TPN 2918: alpha=8 beta=4 bp=0
F
rms = 1.591555e 03
peak = 9.225598e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2918: alpha=8 beta=4 bp=0
F
rms = 9.548727e 04
peak = 1.182452e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

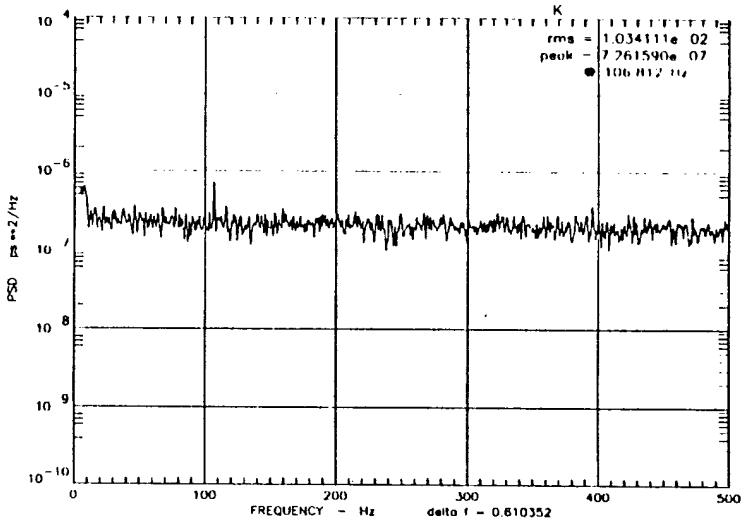
F 15 TPN 2918: alpha=8 beta=4 bp=0

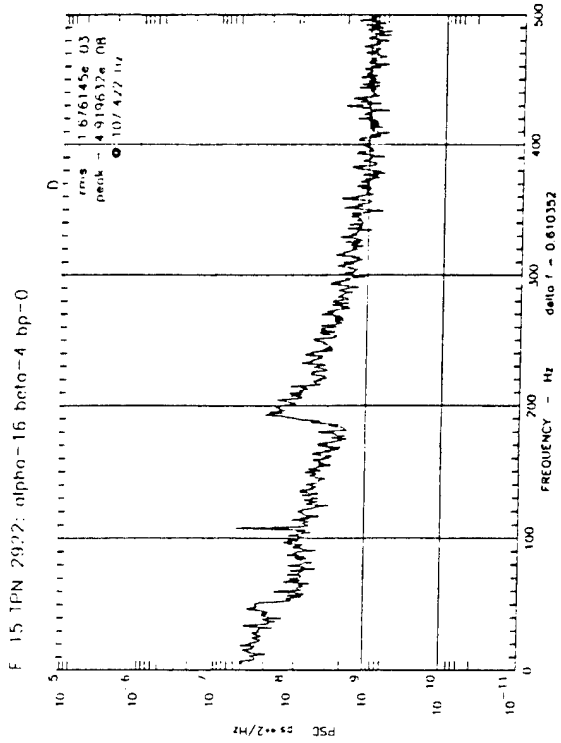


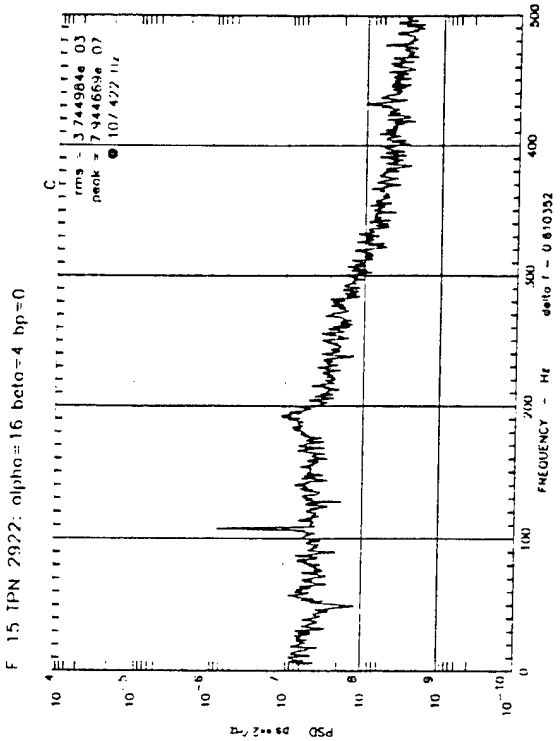
F 15 TPN 2918: alpha=8 beta=4 bp=0

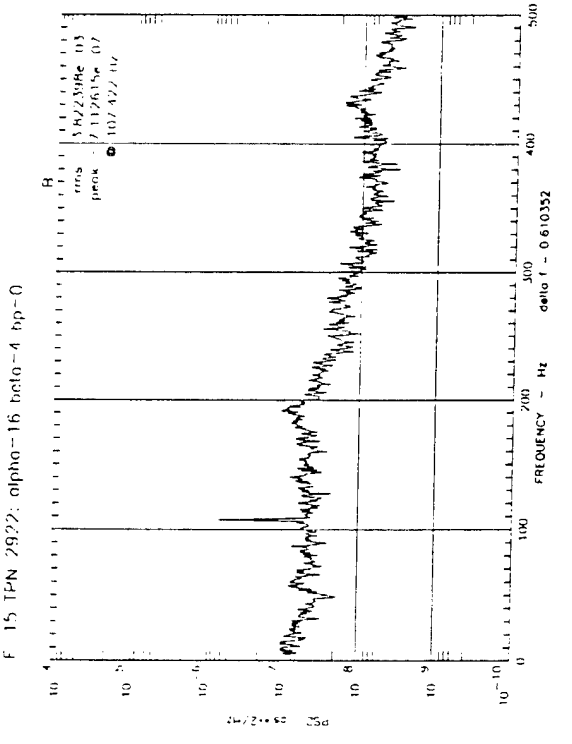


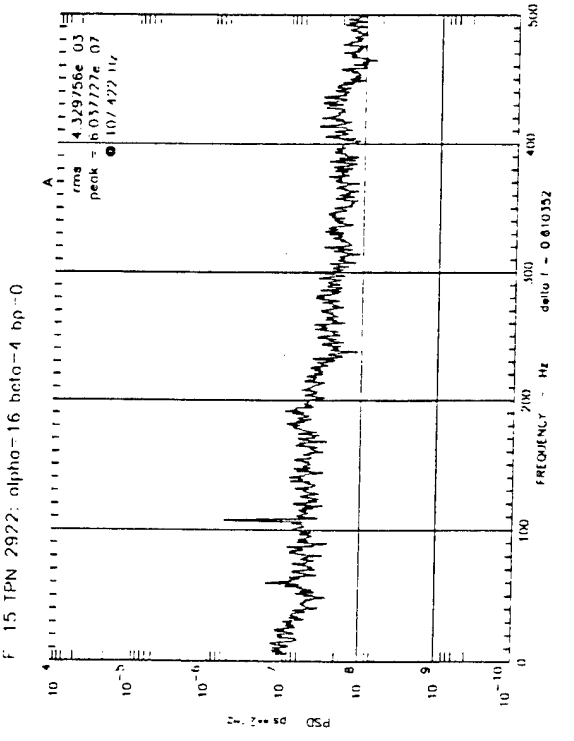
F 15 TPN 2918: alpha=8 beta=4 bp=0

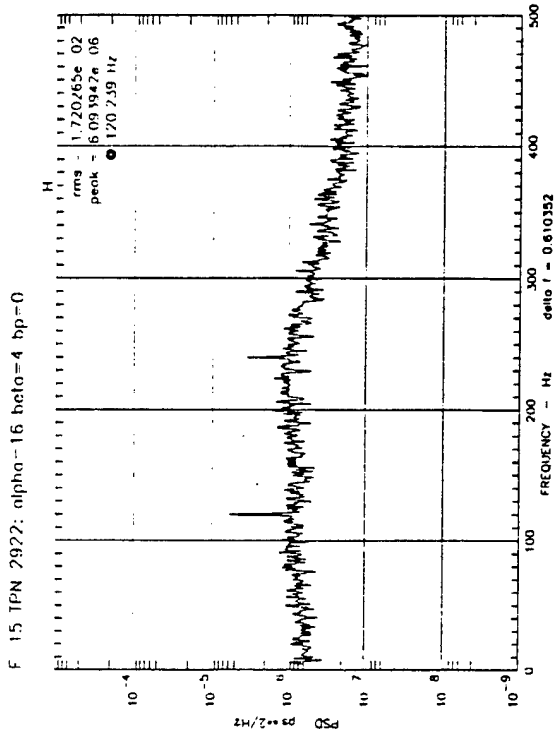


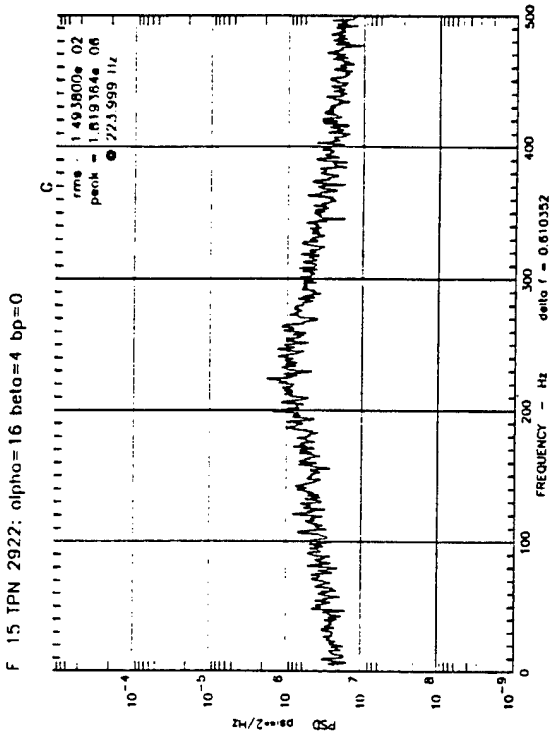

F 15 TPN 2922: alpha=16 beta=4 bp=0
D
rms = 1.676145e 03
peak = 4.919637e 08
@ 10/ 422 Hz
FREQUENCY - Hz
delta f = 0.610352

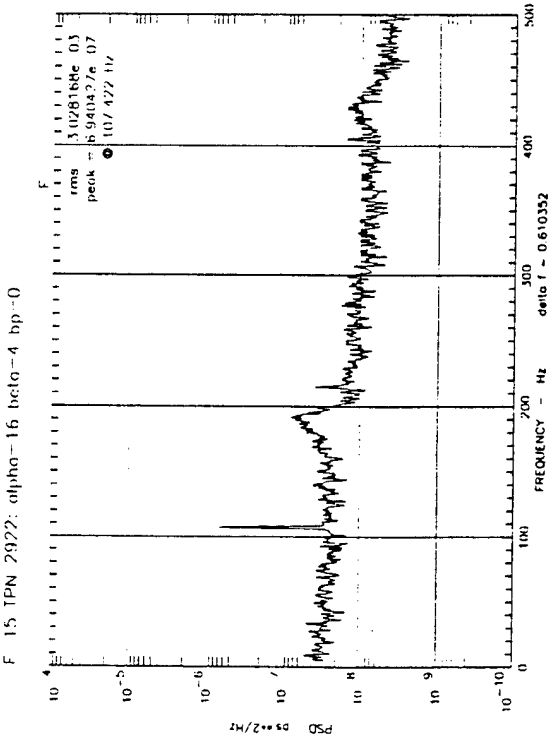

F 15 TPN 2922: alpha=16 beta=4 bp=0
C
rms = 3.744984e 03
peak = 7.444669e 07
@ 10/ 422 Hz
FREQUENCY - Hz
delta f = 0.610352

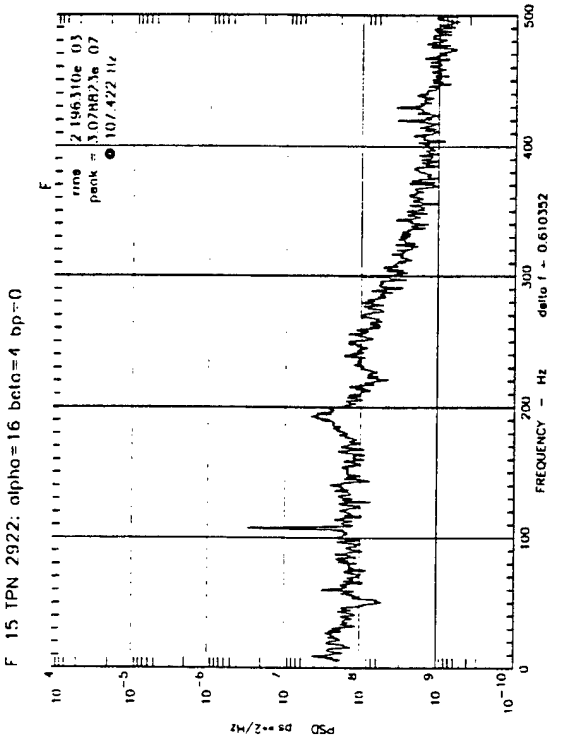

F 15 TPN 2922: alpha=16 beta=4 bp=0
B
rms = 3.842398e 03
peak = 7.112615e 07
@ 10/ 422 Hz
FREQUENCY - Hz
delta f = 0.610352

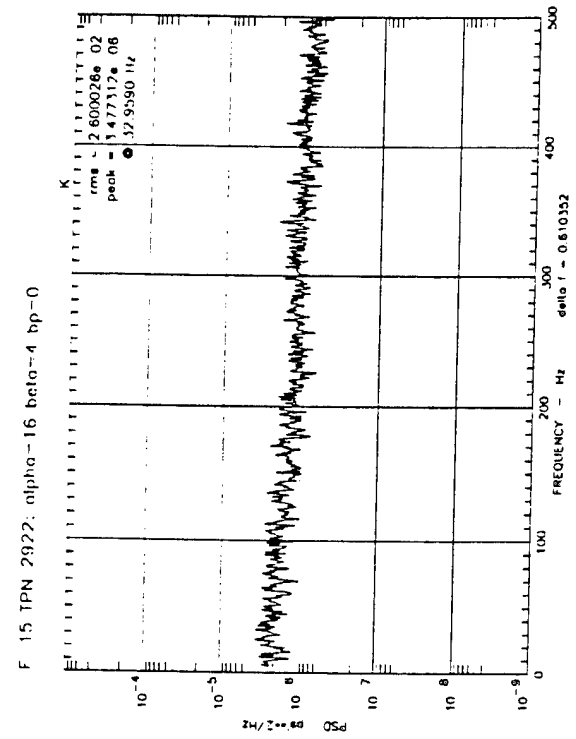

F 15 TPN 2922: alpha=16 beta=4 bp=0
A
rms = 4.329756e 03
peak = 8.057727e 07
@ 10/ 422 Hz
FREQUENCY - Hz
delta f = 0.610352

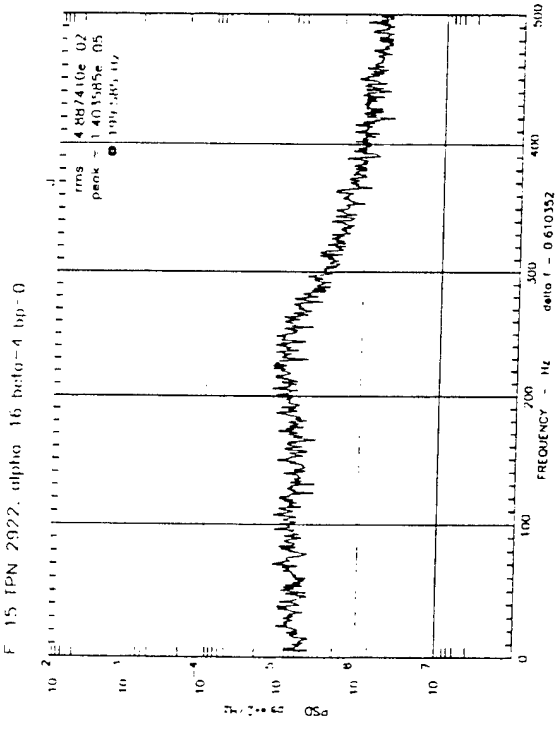

F 15 TPN 2922: alpha=16 beta=4 bp=0
H
rms = 1.720765e 02
peak = 6.099947e 06
@ 120.739 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

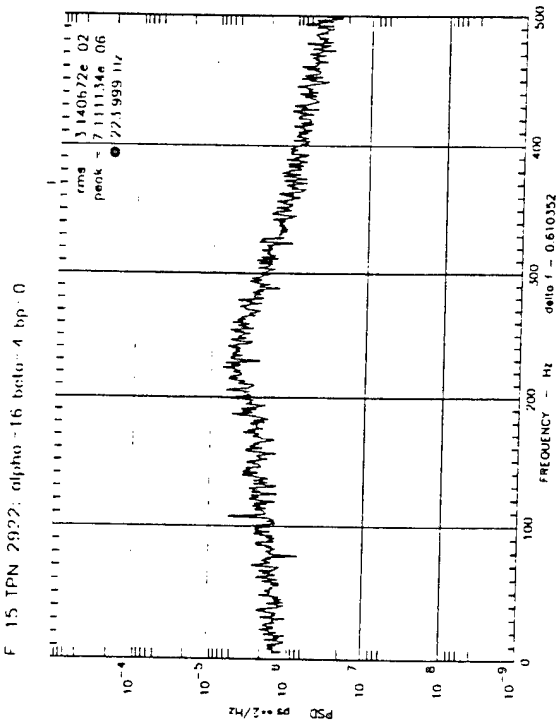

F 15 TPN 2922: alpha=16 beta=4 bp=0
G
rms = 1.493800e 02
peak = 1.819364e 06
@ 223.999 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2922: alpha=16 beta=4 bp=0
F
rms = 3.028168e 03
peak = 6.940437e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

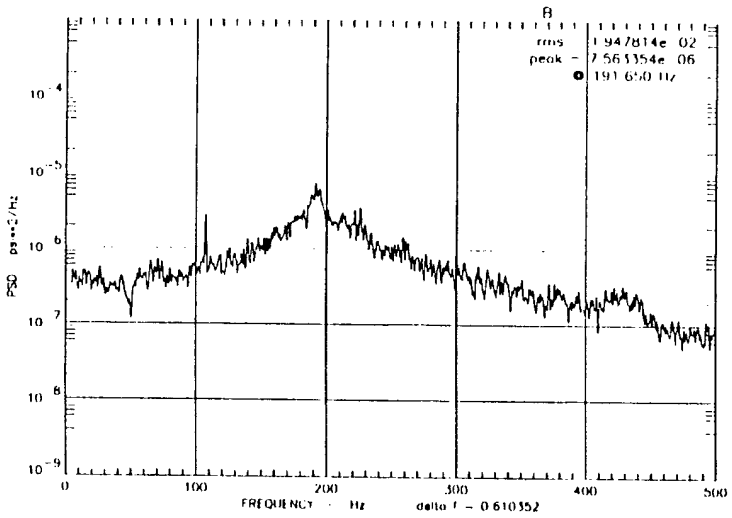

F 15 TPN 2922: alpha=16 beta=4 bp=0
F
rms = 2.196310e 03
peak = 5.078823e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2922: alpha-16 beta-4 bp-0
K
rms = 2.8090286e 02
peak = 1.4777112e 06
@ 32.9590 Hz
PSD gs**2/Hz
FREQUENCY - Hz
delta f = 0.610352

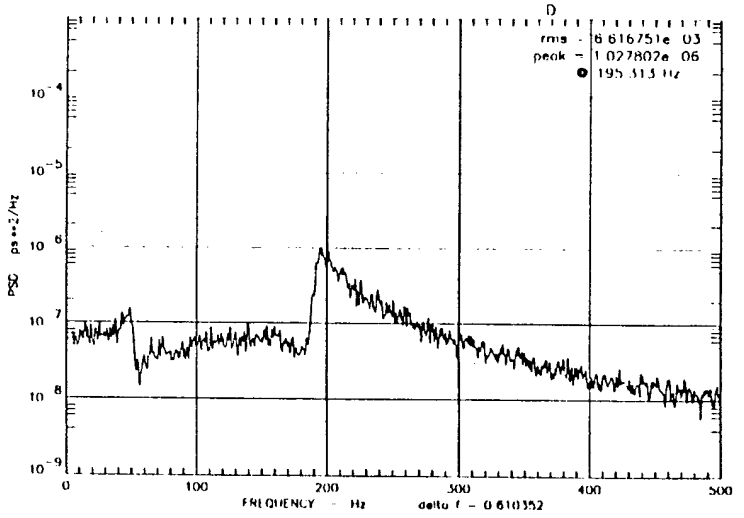

F 15 TPN 2922: alpha-16 beta-4 bp-0
J
rms = 4.8874106e 02
peak = 1.4015985e 05
PSD gs**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2922: alpha-16 beta-4 bp-0
J
rms = 3.1406772e 02
peak = 7.1111134e 06
@ 223.999 Hz
PSD gs**2/Hz
FREQUENCY - Hz
delta f = 0.610352

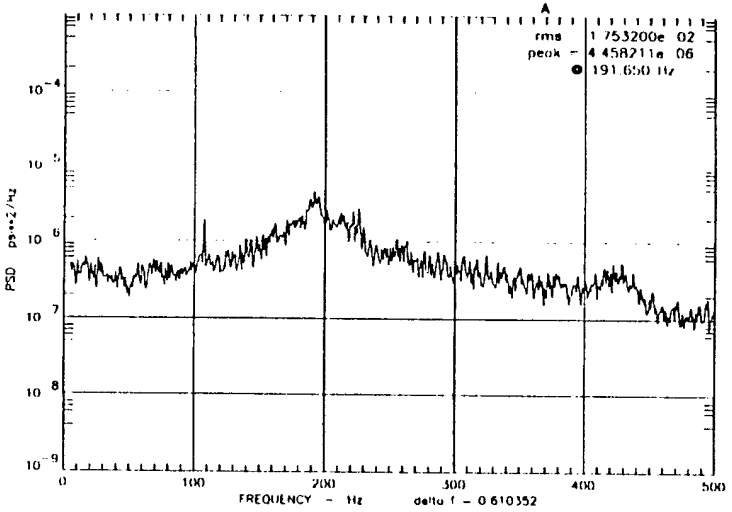
F 15 TPN 2924: alpha 20 beta=4 bp 0



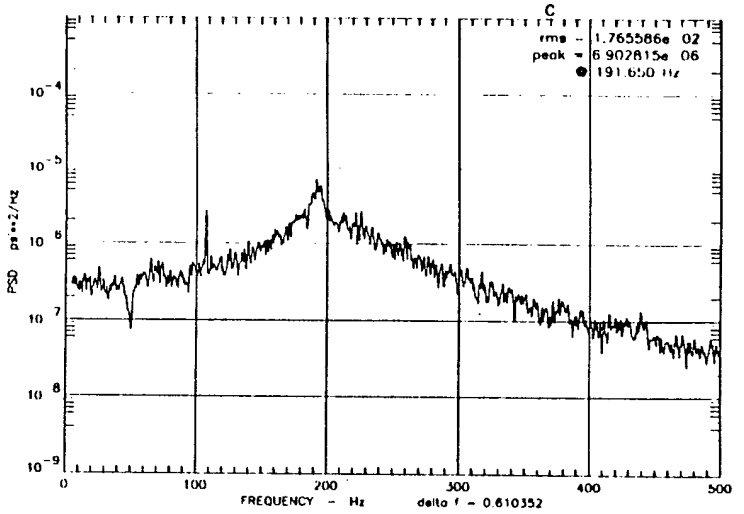
F 15 TPN 2924: alpha=20 beta=4 bp=0



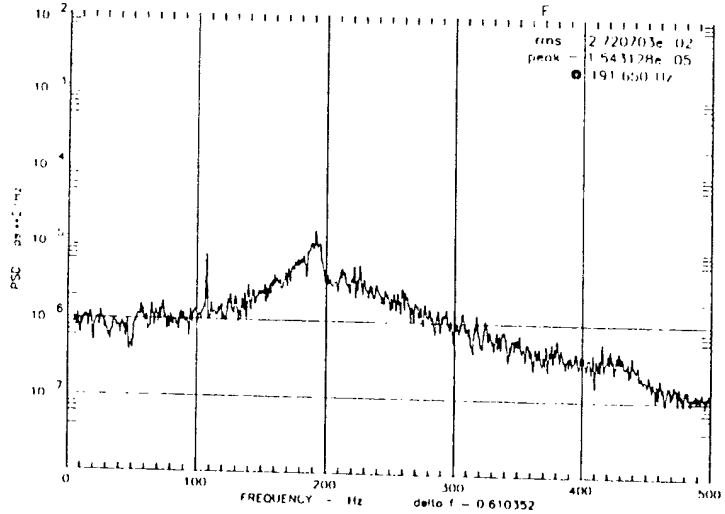
F 15 TPN 2924: alpha=20 beta=4 bp=0



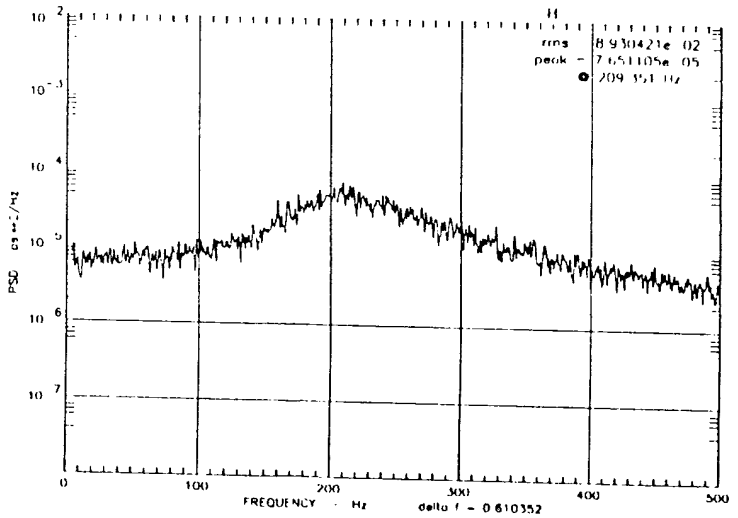
F 15 TPN 2924: alpha=20 beta=4 bp=0



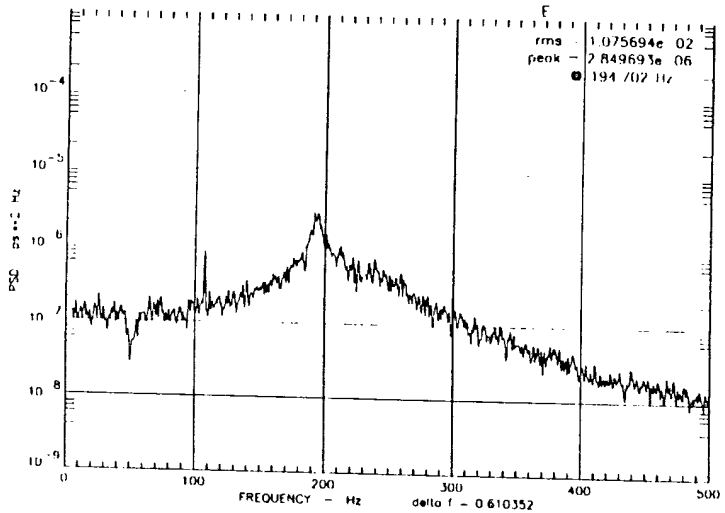
F 15 TPN 2924: alpha=20 beta=4 bp=0



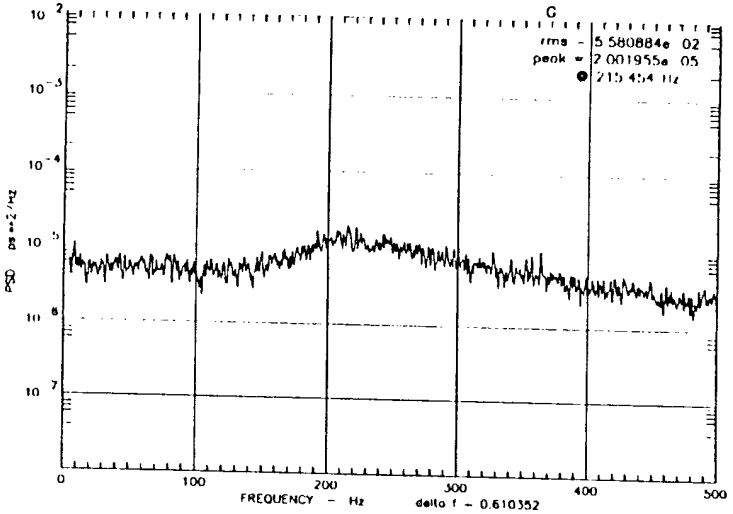
F 15 TPN 2924: alpha=20 beta=4 bp=0

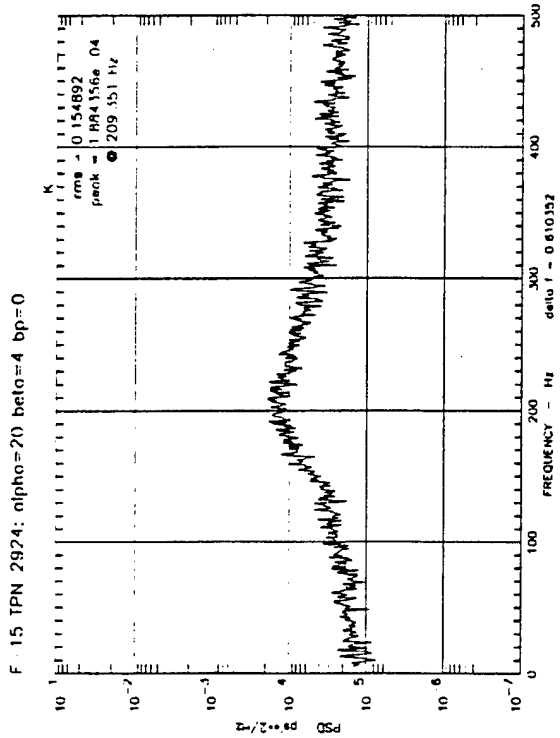


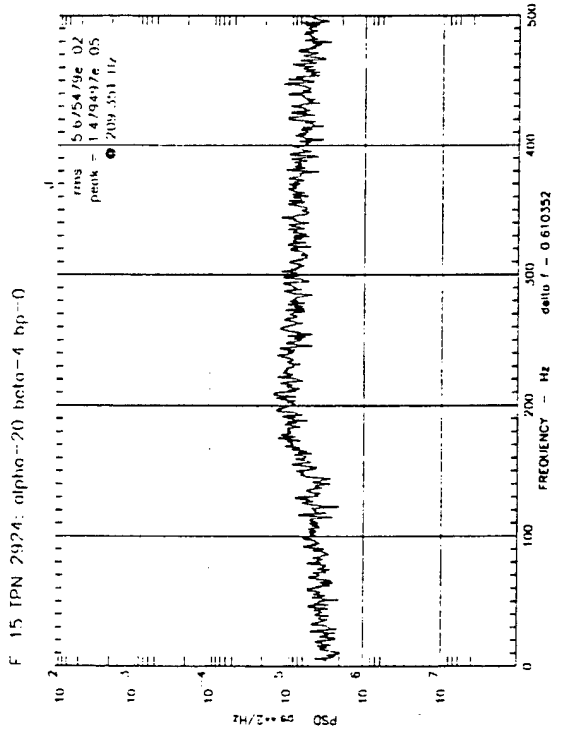
F 15 TPN 2924: alpha=20 beta=4 bp=0

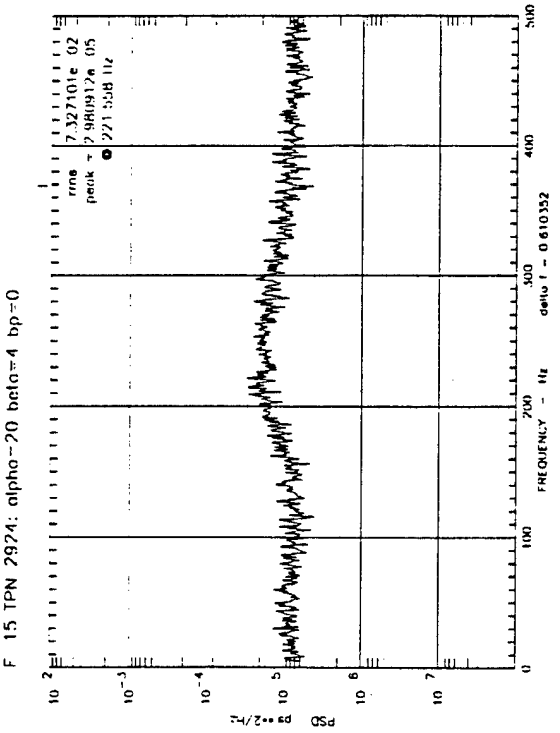


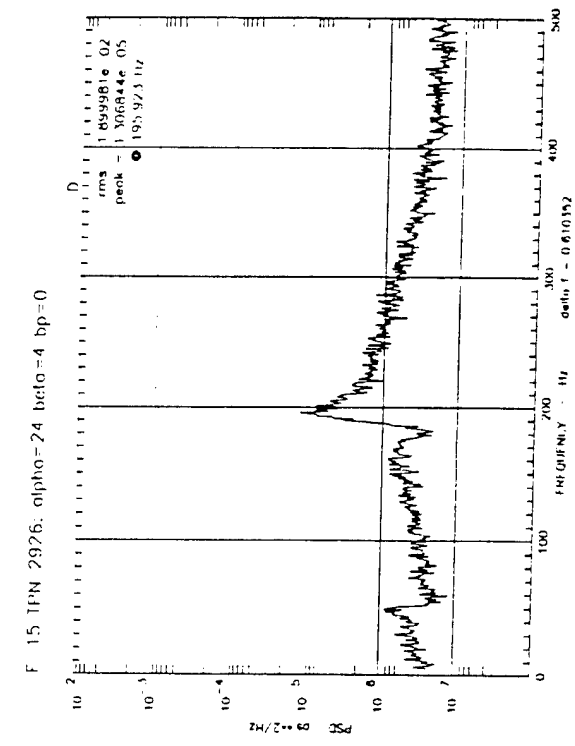
F 15 TPN 2924: alpha=20 beta=4 bp=0

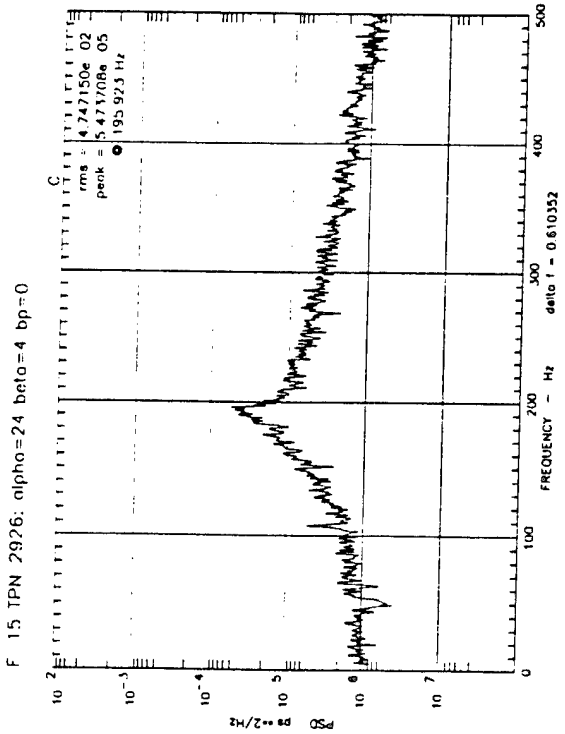


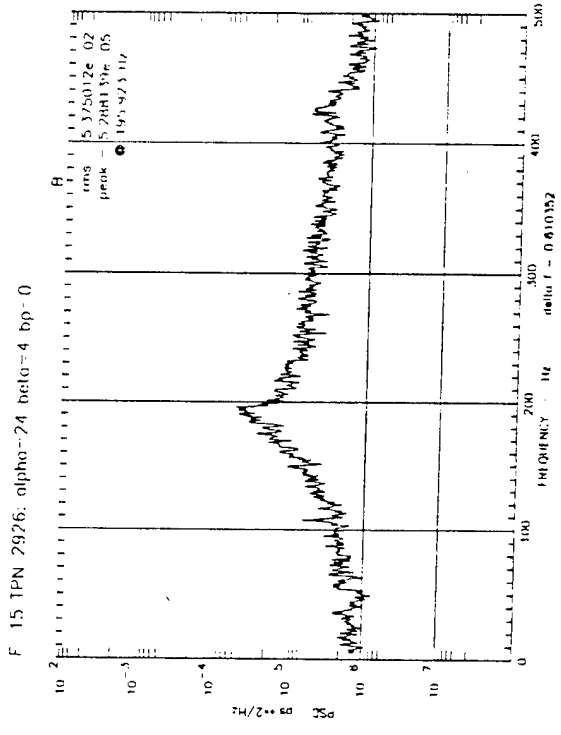

F 15 TPN 2924: alpha=20 beta=4 bp=0
rms = 0.154892
peak = 1.884356e 04
@ 209.351 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

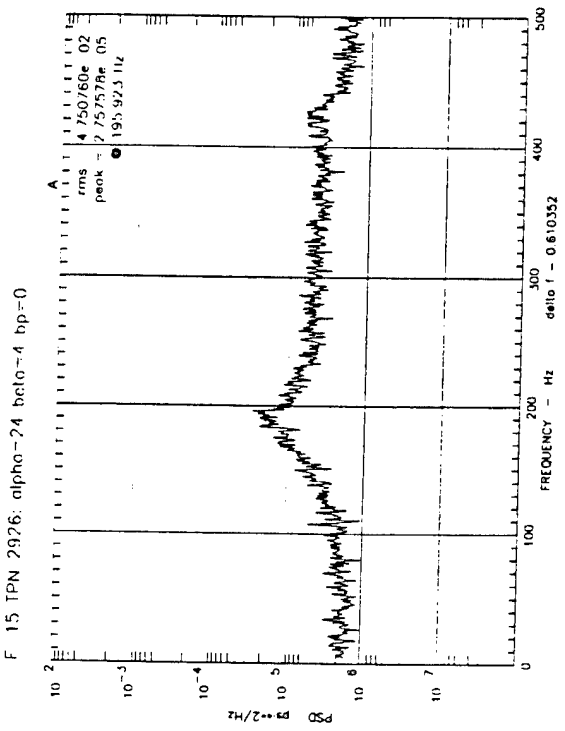

F 15 TPN 2924: alpha=20 beta=4 bp=0
rms = 5.675479e 02
peak = 1.479497e 05
@ 209.351 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2924: alpha=20 beta=4 bp=0
rms = 7.327101e 02
peak = 2.986912e 05
@ 221.558 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

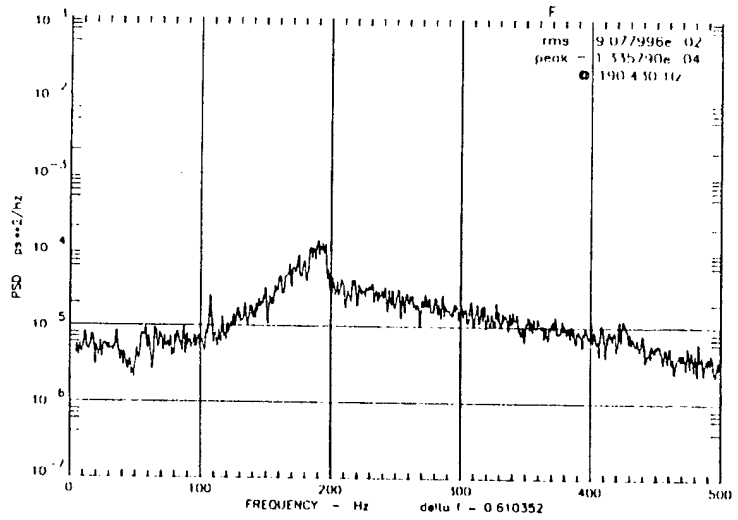

F 15 TPN 2926: alpha=24 beta=4 bp=0
D
rms = 1.099816e 02
peak = 1.306844e 05
@ 193.923 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2926: alpha=24 beta=4 bp=0
C
rms = 4.747150e 02
peak = 5.471708e 05
@ 193.923 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

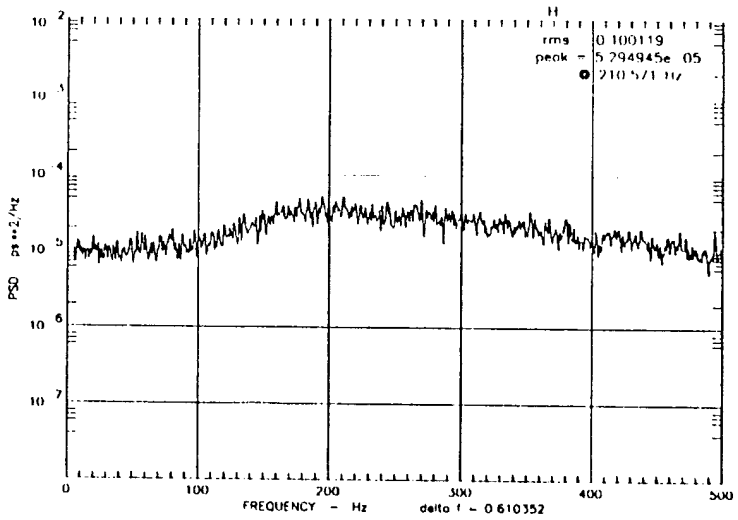

F 15 TPN 2926: alpha=24 beta=4 bp=0
B
rms = 5.350012e 02
peak = 5.288159e 05
@ 193.923 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2926: alpha=24 beta=4 bp=0
A
rms = 4.750760e 02
peak = 2.757578e 05
@ 193.923 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

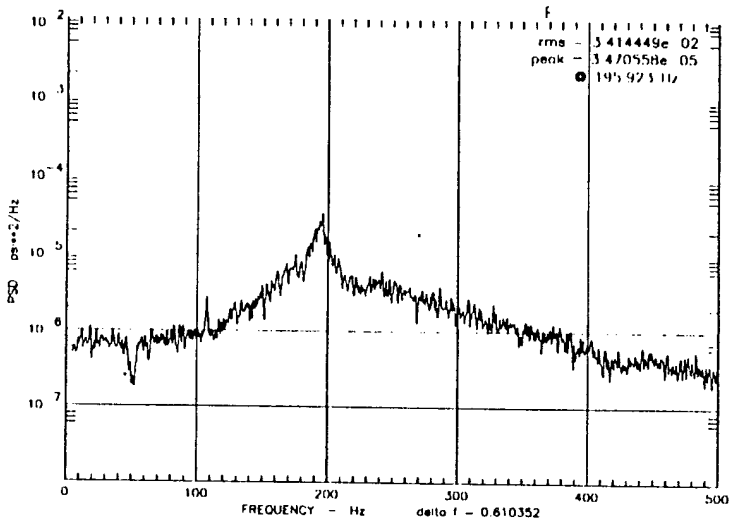
F 15 TPN 2926: alpha=24 beta=4 bp=0



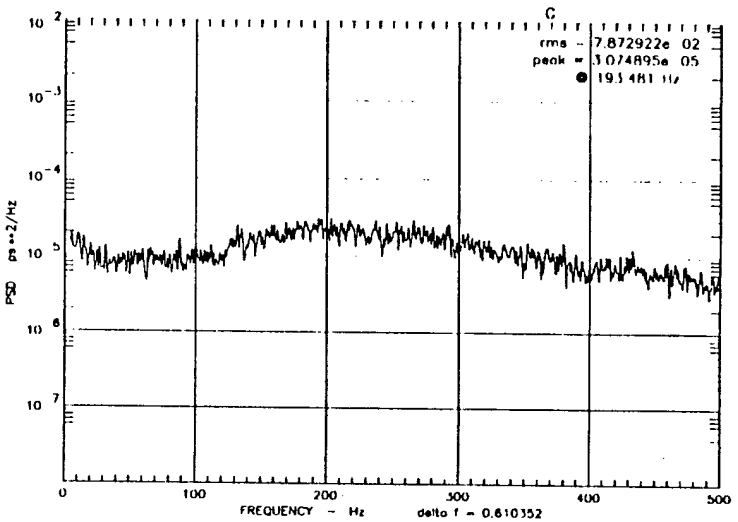
F 15 TPN 2926: alpha=24 beta=4 bp=0



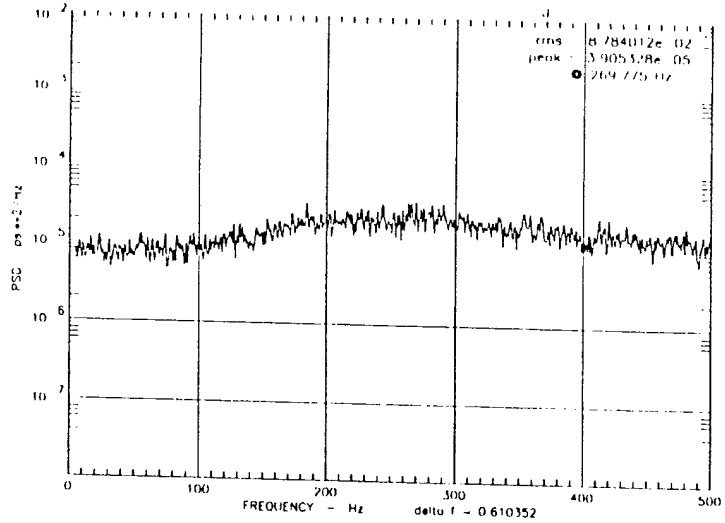
F 15 TPN 2926: alpha=24 beta=4 bp=0



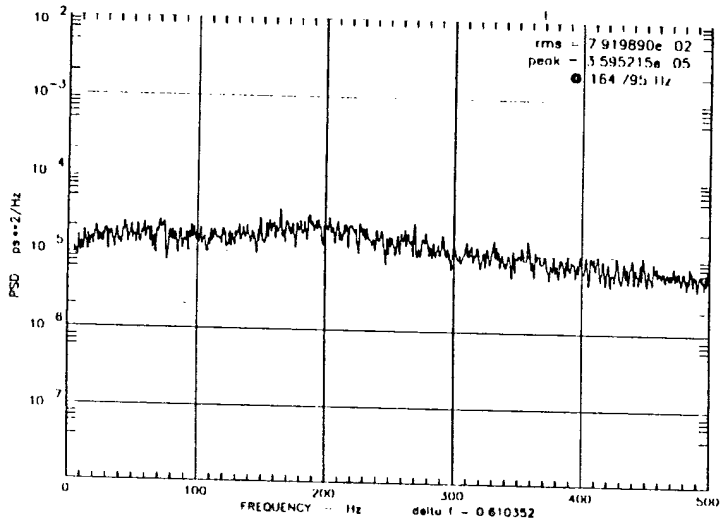
F 15 TPN 2926: alpha=24 beta=4 bp=0



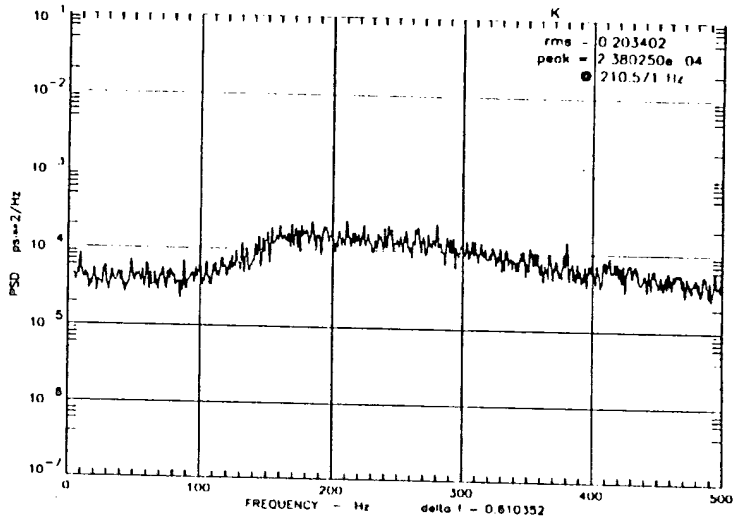
F 15 TPN 2926: alpha=24 beta=4 bp=0

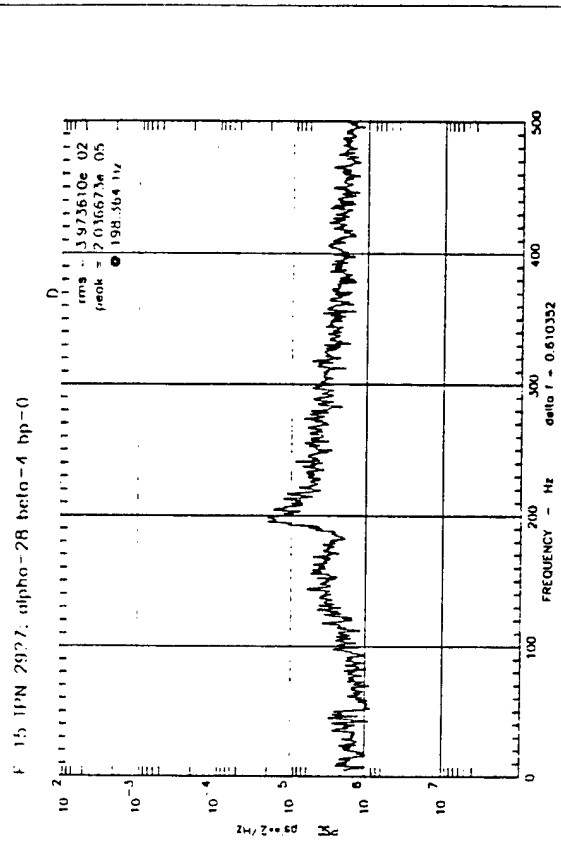


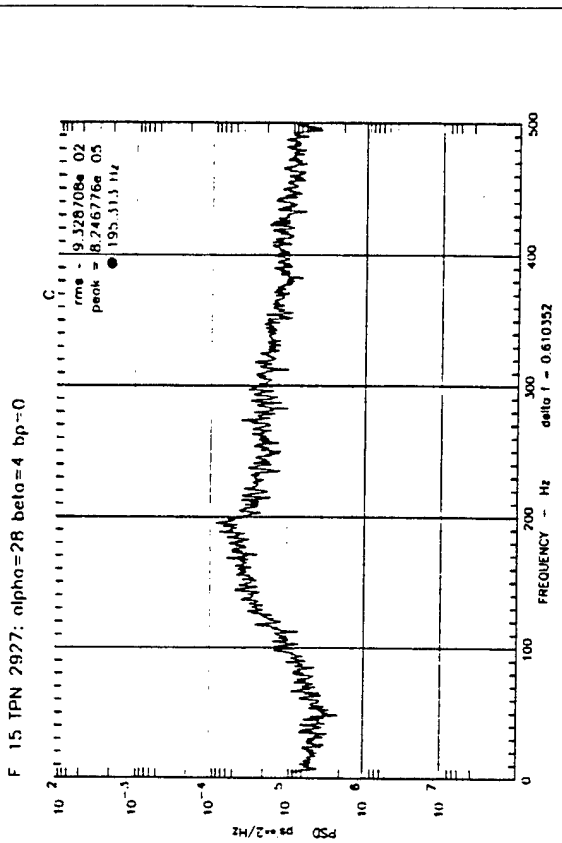
F 15 TPN 2926: alpha=24 beta=4 bp=0

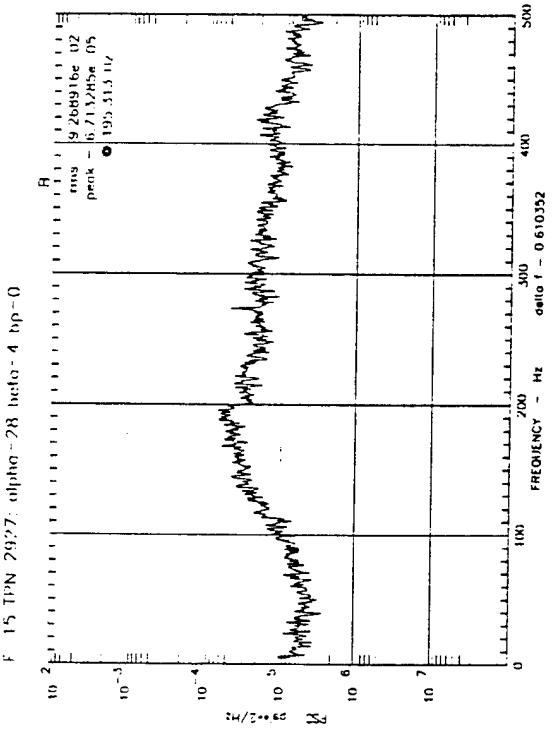


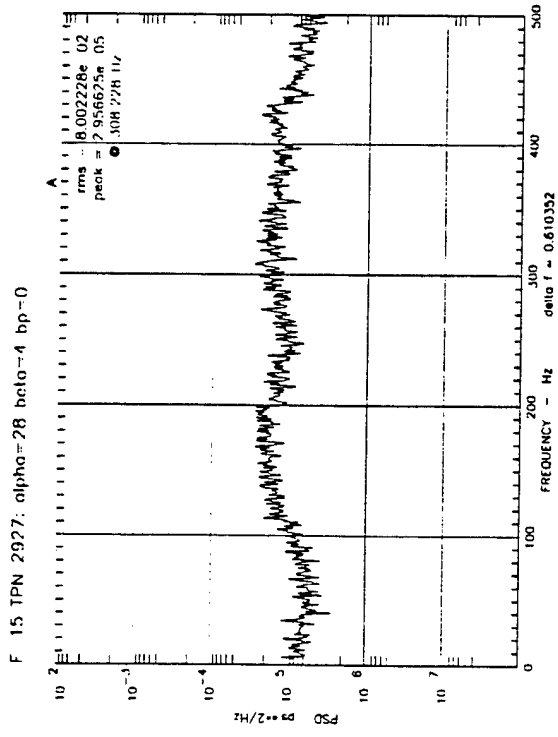
F 15 TPN 2926: alpha=24 beta=4 bp=0

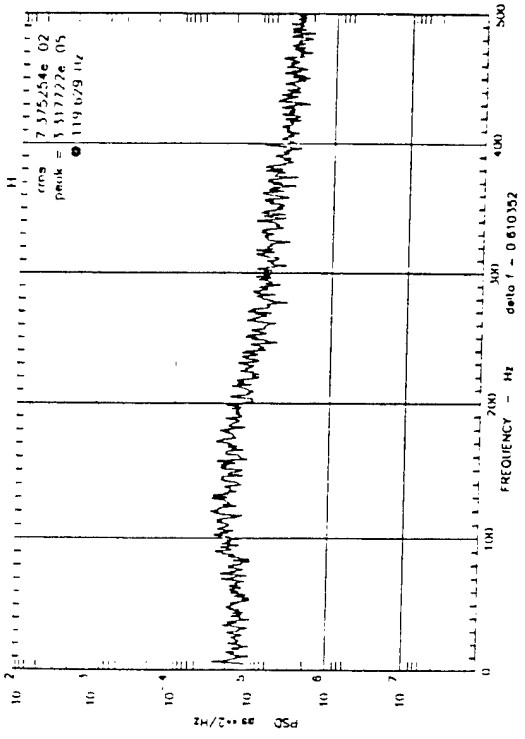


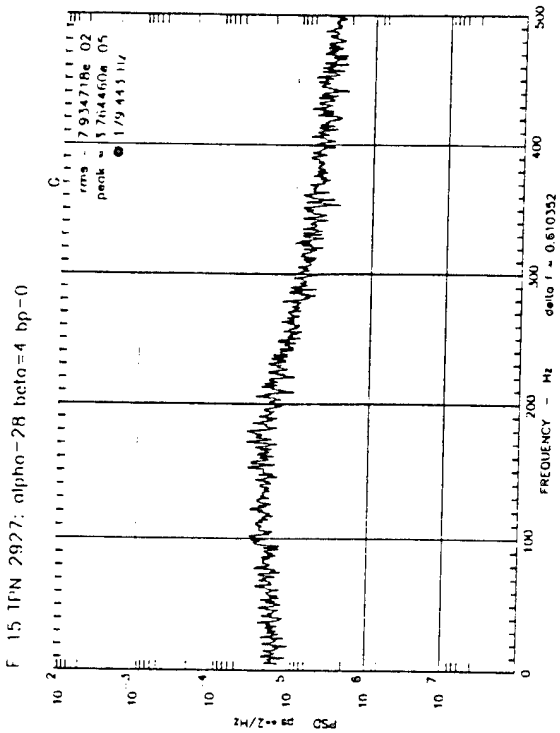

F 15 TPN 2927: alpha=28 beta=4 bp=0
D
rms = 3.973610e 02
peak = 2.016673e 05
@ 198.364 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

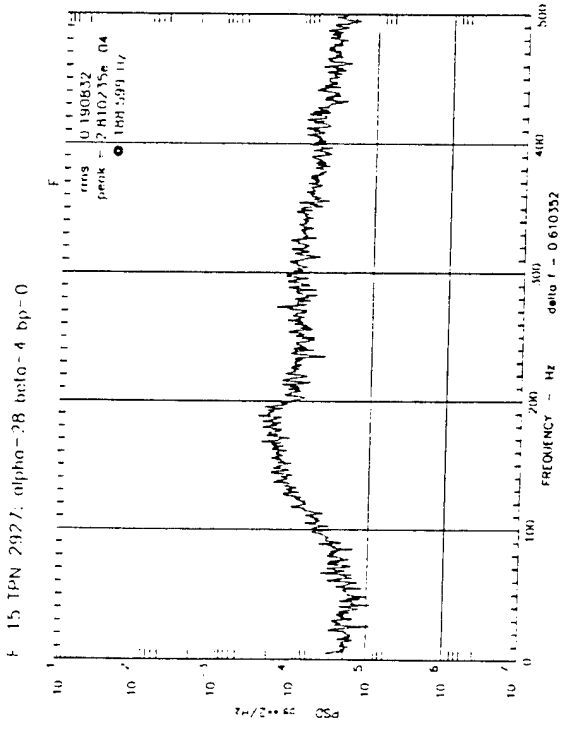

F 15 TPN 2927: alpha=28 beta=4 bp=0
C
rms = 9.328708e 02
peak = 8.246776e 05
@ 195.313 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

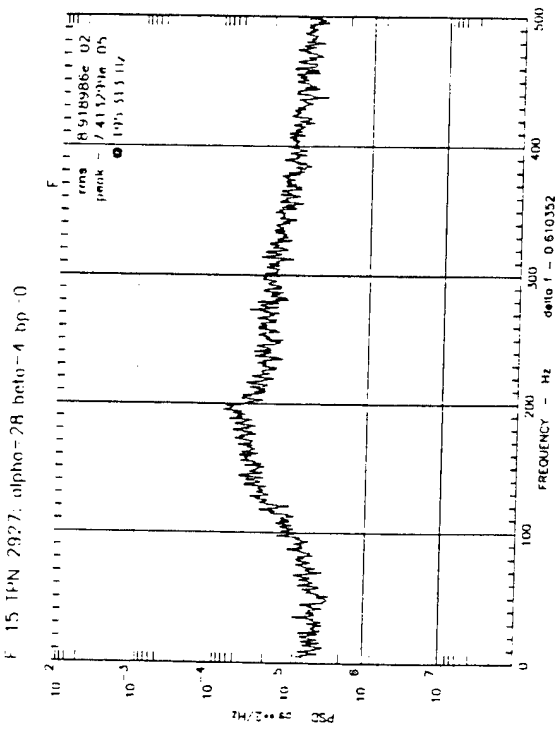

F 15 TPN 2927: alpha=28 beta=4 bp=0
B
rms = 9.268916e 02
peak = 6.713285e 05
@ 195.313 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2927: alpha=28 beta=4 bp=0
A
rms = 8.002228e 02
peak = 2.956625e 05
@ 308.228 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

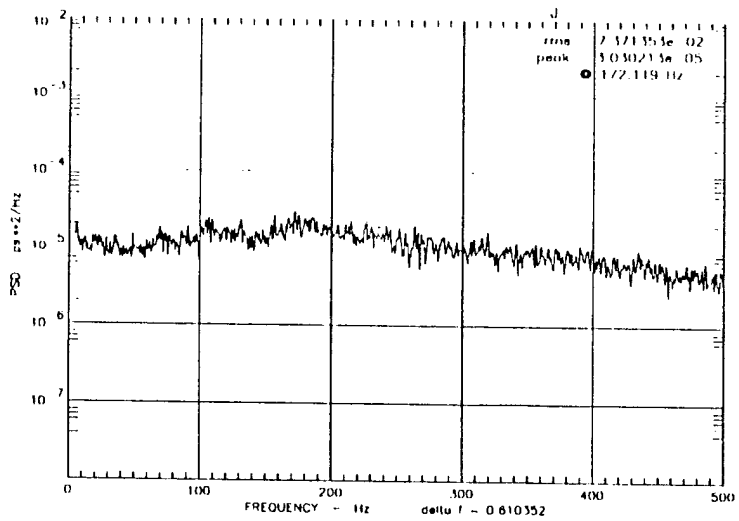

F 15 IPN 2927: alpha-28 beta-4 bp-0
H
rms 7.375254e 02
peak = 1.117772e 05
@ 119.679 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352


F 15 IPN 2927: alpha-28 beta=4 bp-0
G
rms 7.934718e 02
peak = 1.764460e 05
@ 179.443 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

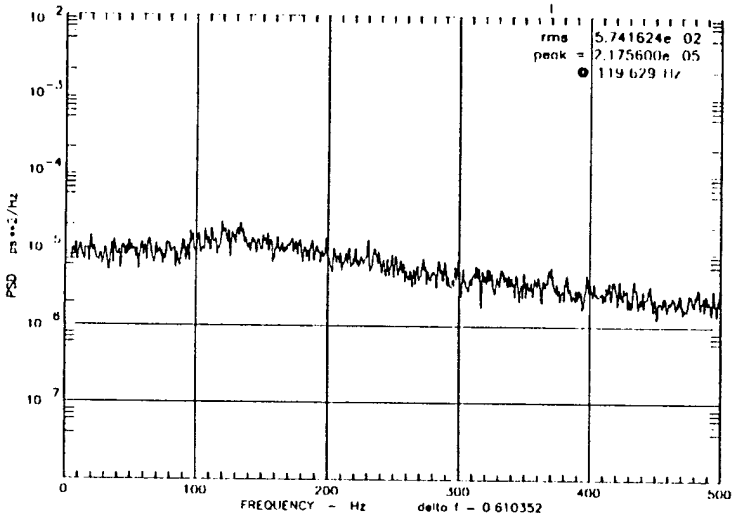

F 15 IPN 2927: alpha-28 beta-4 bp-0
F
rms 8.190832e 04
peak = 2.810215e 06
@ 189.209 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352


F 15 IPN 2927: alpha-28 beta-4 bp-0
F
rms 8.918986e 02
peak = 1.412994e 05
@ 119.513 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

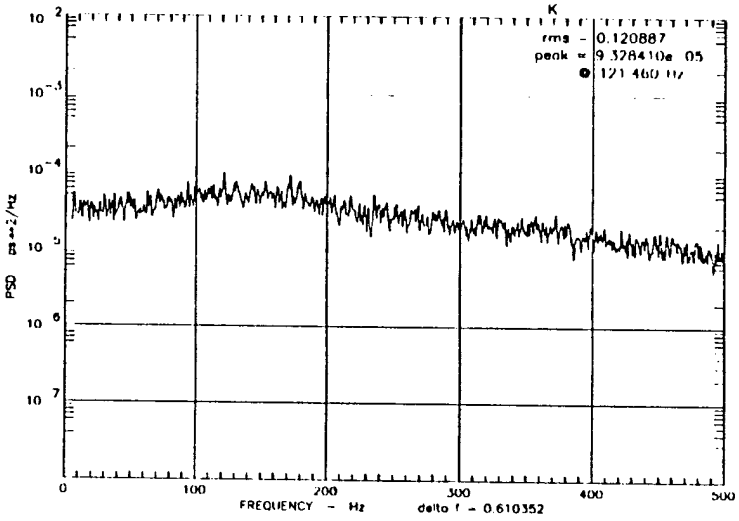
F 15 TPN 2927: alpha=28 beta=4 bp=0

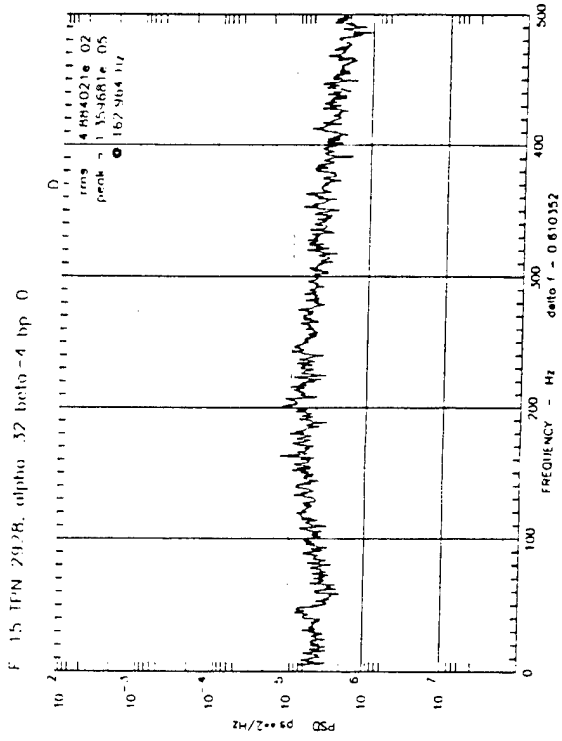


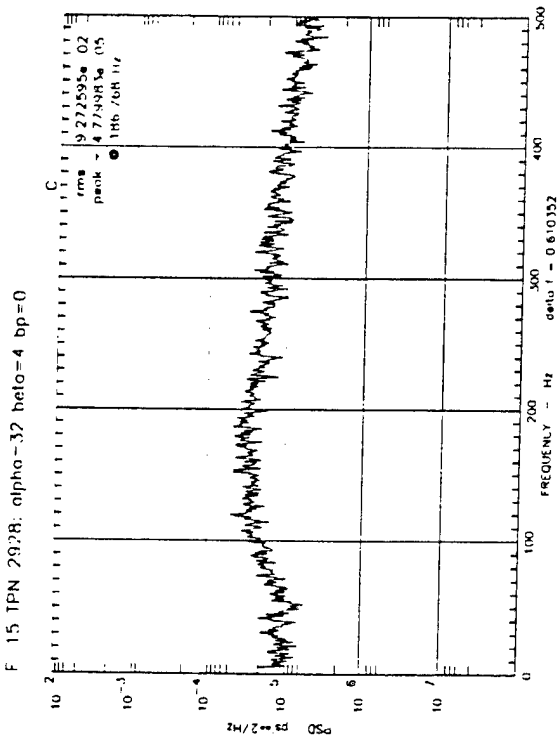
F 15 TPN 2927: alpha=28 beta=4 bp=0

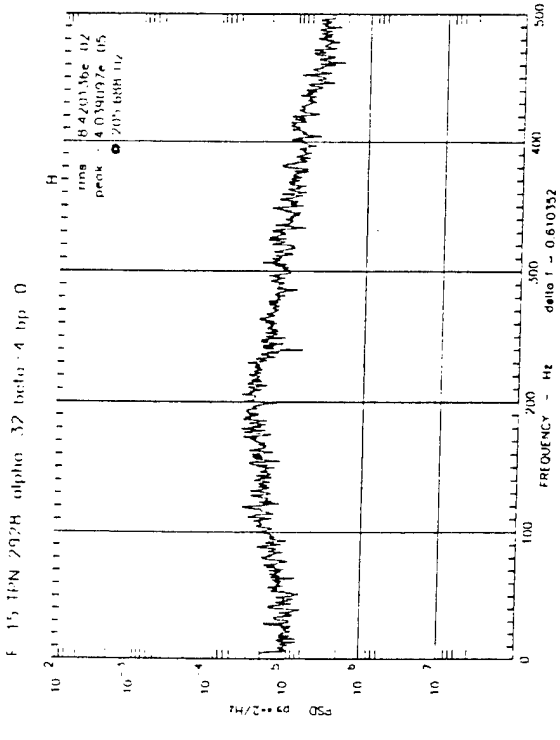


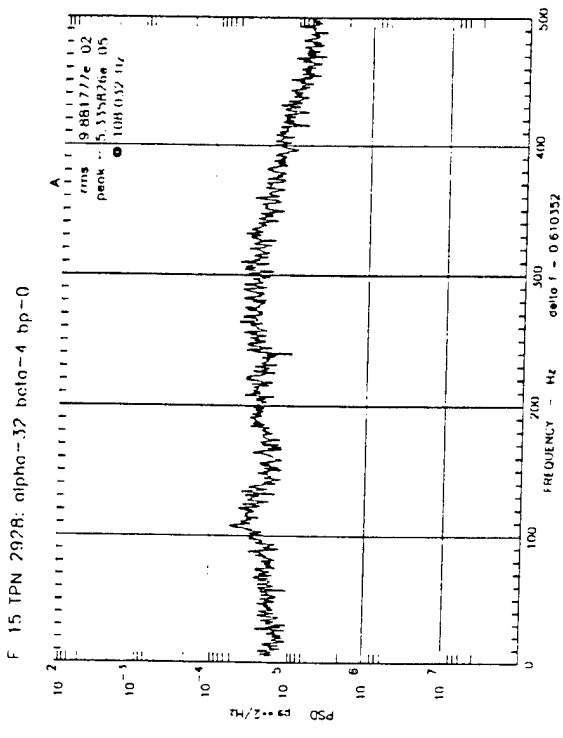
F 15 TPN 2927: alpha=28 beta=4 bp=0

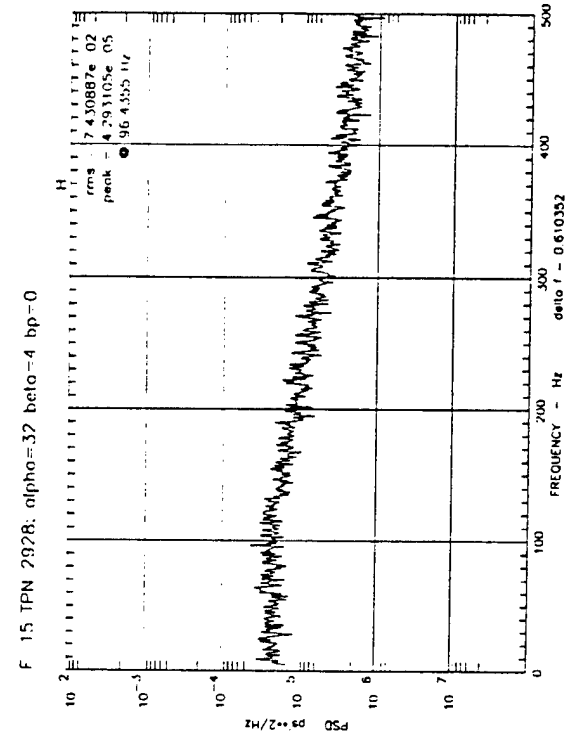


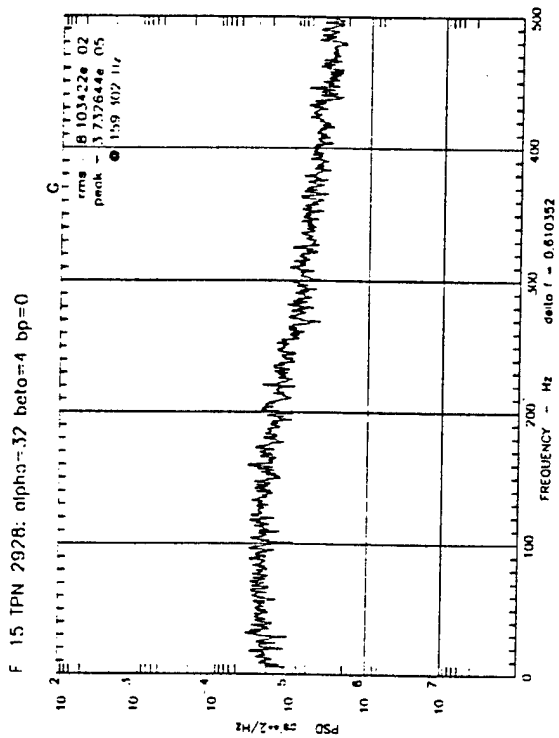

F 15 TPN 2928: alpha=32 beta=4 bp=0
D
rms 4.884021e 02
peak 1.354681e 05
@ 167.964 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

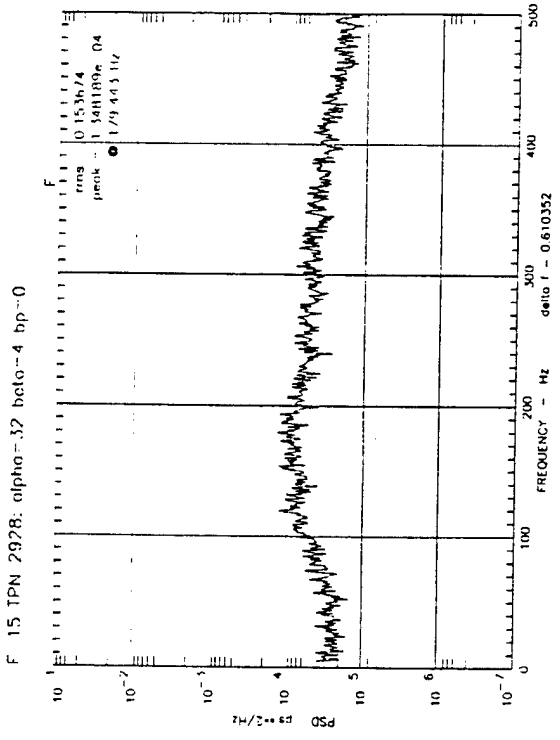

F 15 TPN 2928: alpha=32 beta=4 bp=0
C
rms 9.272595e 02
peak 4.774983e 05
@ 186.768 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

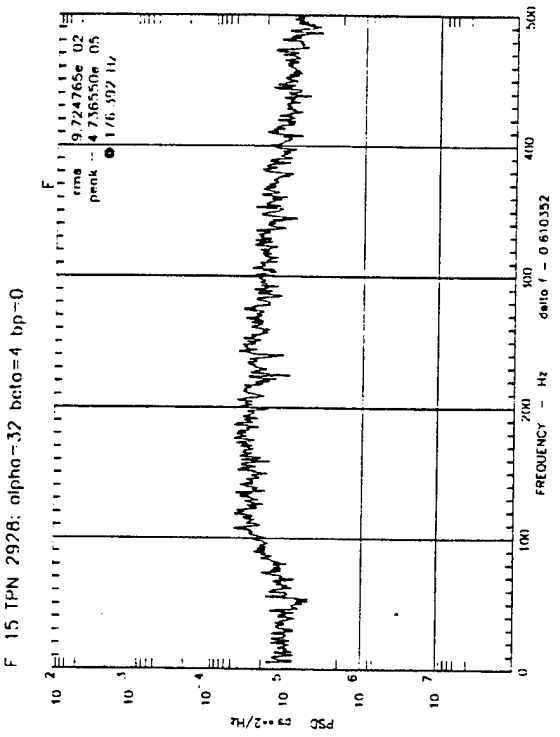

F 15 TPN 2928: alpha=32 beta=4 bp=0
H
rms 8.420136e 02
peak 4.034097e 05
@ 207.888 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

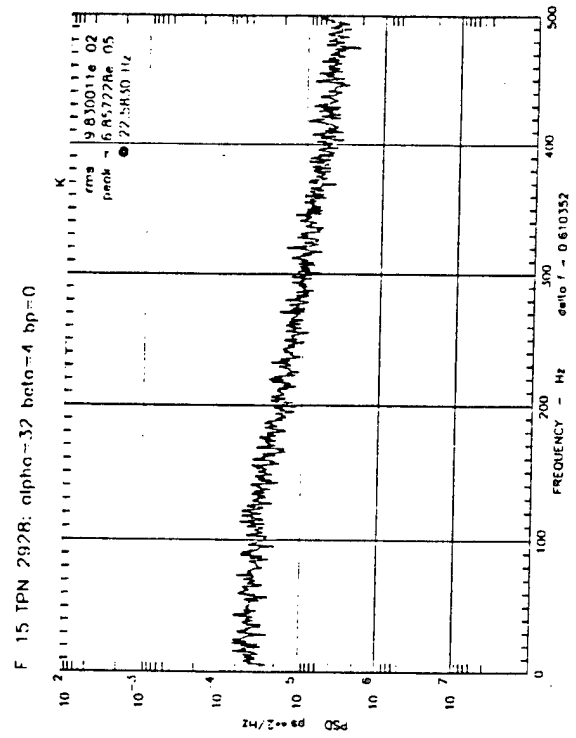

F 15 TPN 2928: alpha=32 beta=4 bp=0
A
rms 9.881777e 02
peak 5.335826e 05
@ 108.032 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

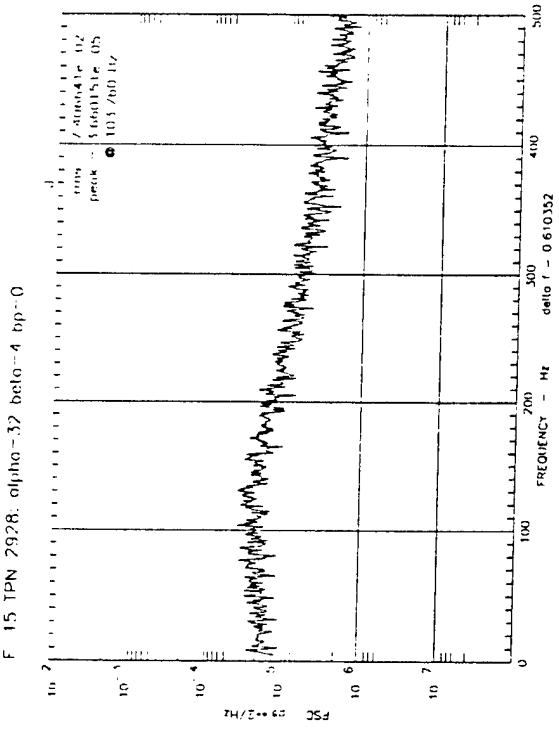

F 15 TPN 2928: alpha=32 beta=4 bp=0
H
rms = 7.430887e 02
peak = 4.293105e 05
@ 96.4355 Hz
PSD p9**2/Hz
FREQUENCY = Hz
delta f = 0.610352

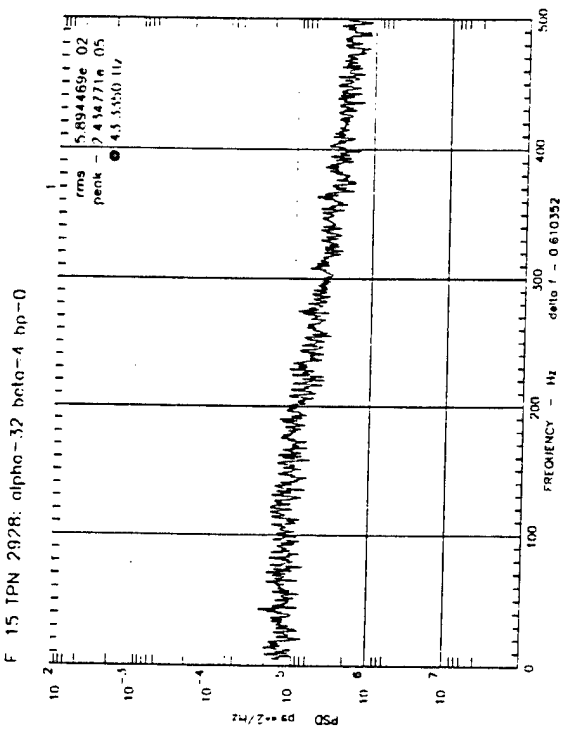

F 15 TPN 2928: alpha=32 beta=4 bp=0
G
rms = 8.103422e 02
peak = 3.737644e 05
@ 159.302 Hz
PSD p9**2/Hz
FREQUENCY = Hz
delta f = 0.610352


F 15 TPN 2928: alpha=32 beta=4 bp=0
F
rms = 0.153674
peak = 1.401189e 04
@ 179.443 Hz
PSD p9**2/Hz
FREQUENCY = Hz
delta f = 0.610352

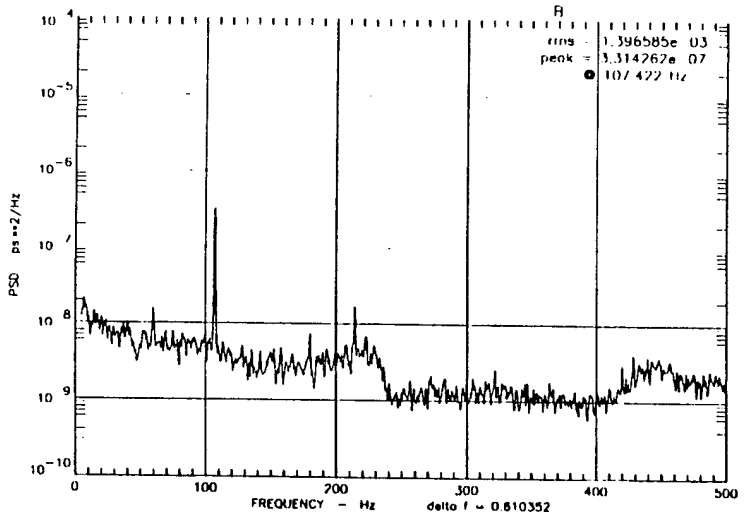

F 15 TPN 2928: alpha=32 beta=4 bp=0
F
rms = 9.724765e 02
peak = 4.736550e 05
@ 176.392 Hz
PSD p9**2/Hz
FREQUENCY = Hz
delta f = 0.610352


F 15 TPN 2928: alpha=32 beta=4 bp=0
K
rms 9.830011e 02
peak - 6.847778e 05
@ 22.5850 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f - 0.610352

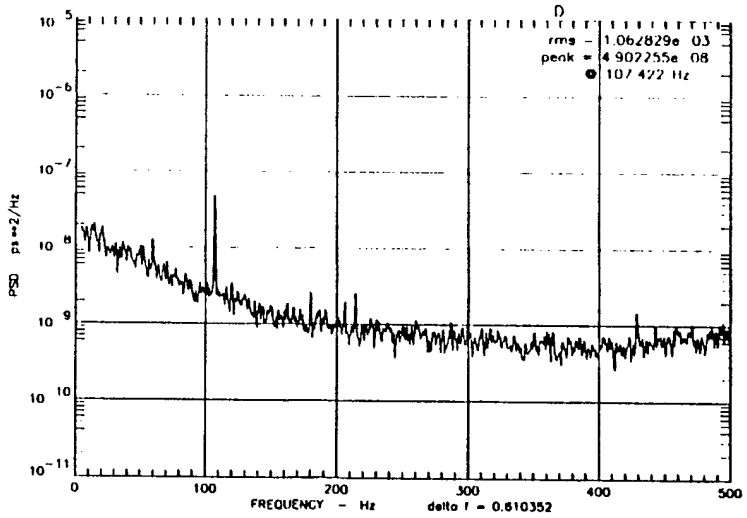

F 15 TPN 2928: alpha=32 beta=4 bp=0
PSD p9 **2/Hz
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN 2928: alpha=32 beta=4 bp=0
rms 5.894469e 02
peak - 7.414771e 05
@ 45.5350 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f - 0.610352

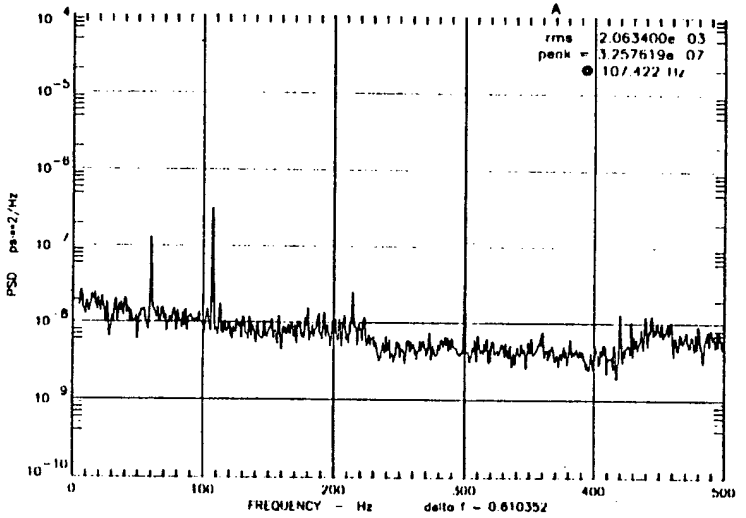
F 15 TPN 2844: alpha=8 beta=0 bp=0



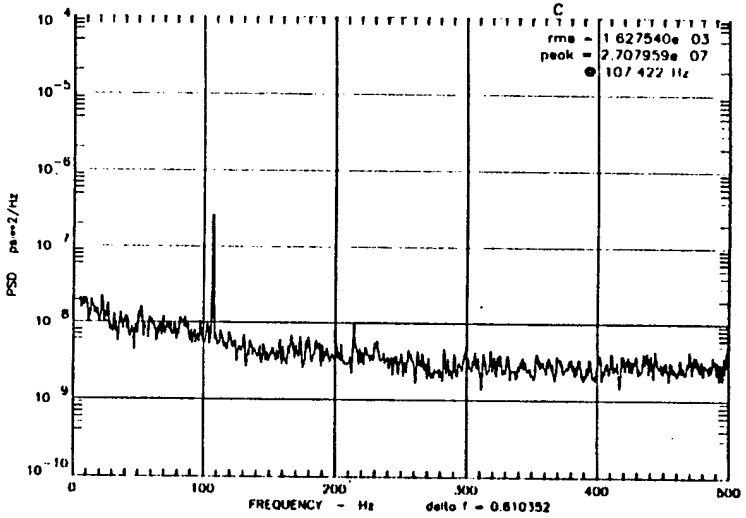
F 15 TPN 2844: alpha=8 beta=0 bp=0

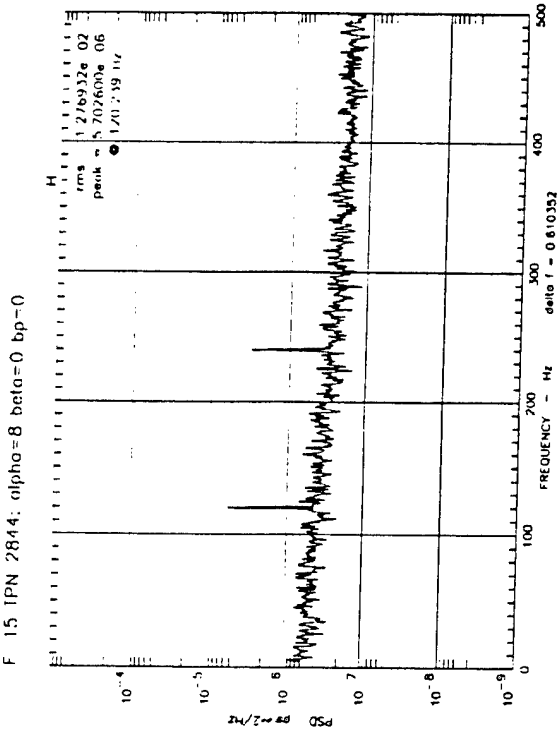


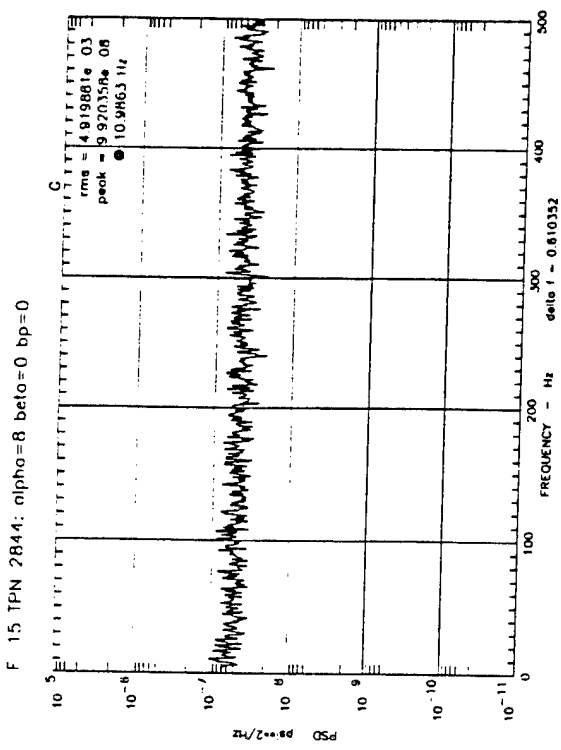
F 15 TPN 2844: alpha=8 beta=0 bp=0

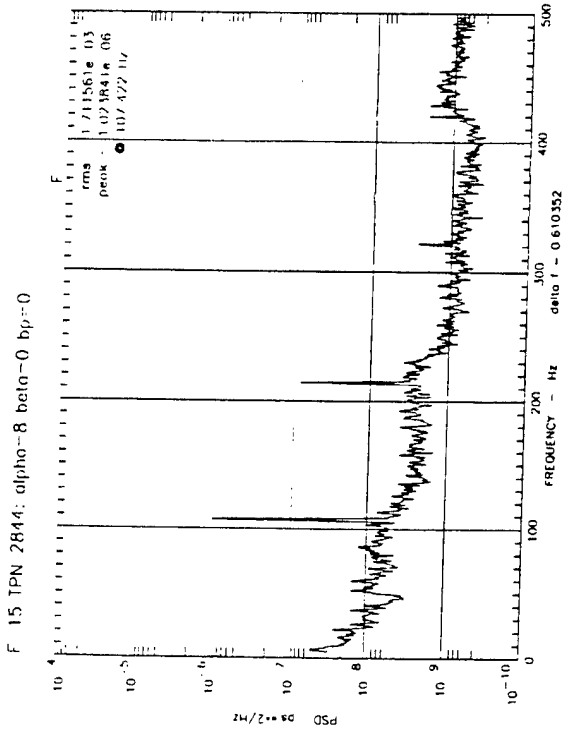


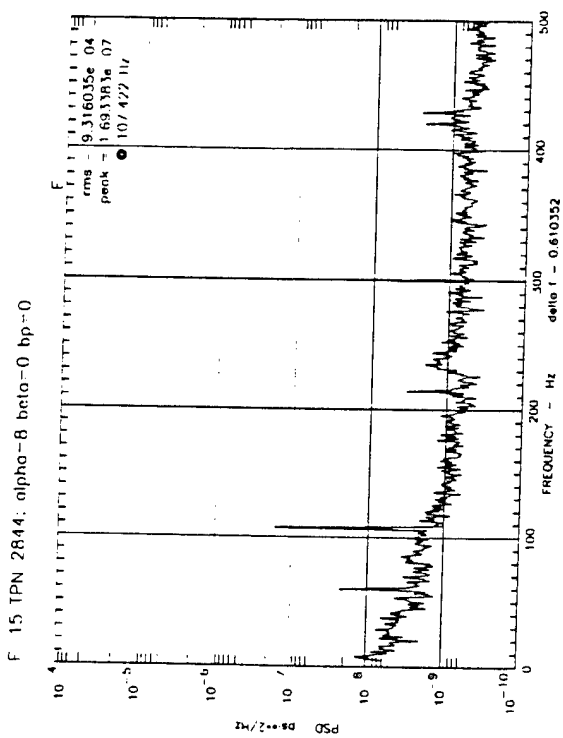
F-15 TPN 2844: alpha=8 beta=0 bp=0

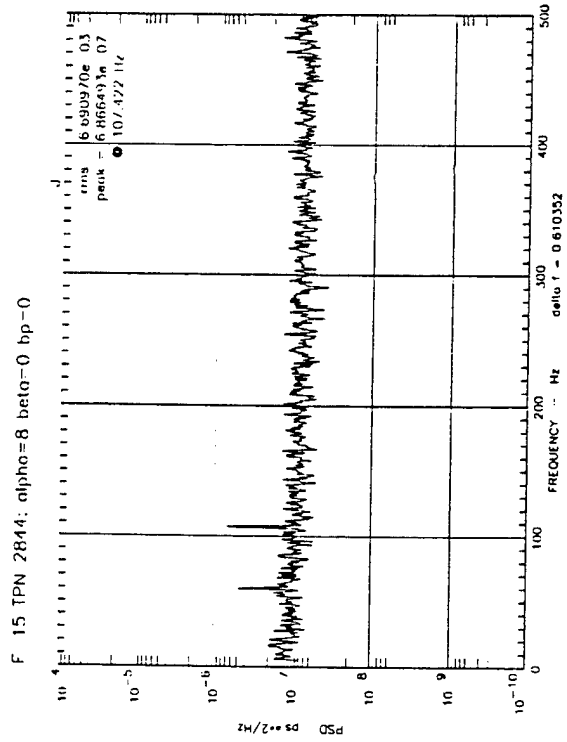


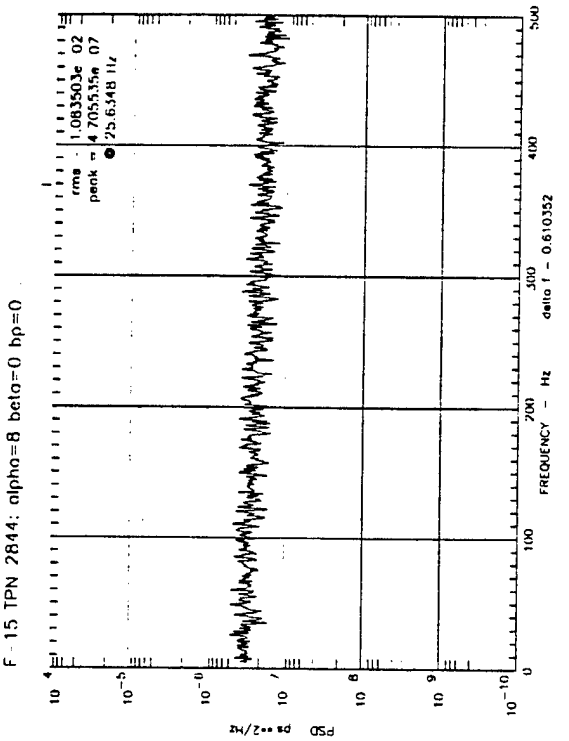

F 15 TPN 2844: alpha=8 beta=0 bp=0
H
rms = 1.269932e 02
peak = 5.702608e 06
@ 101.219 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

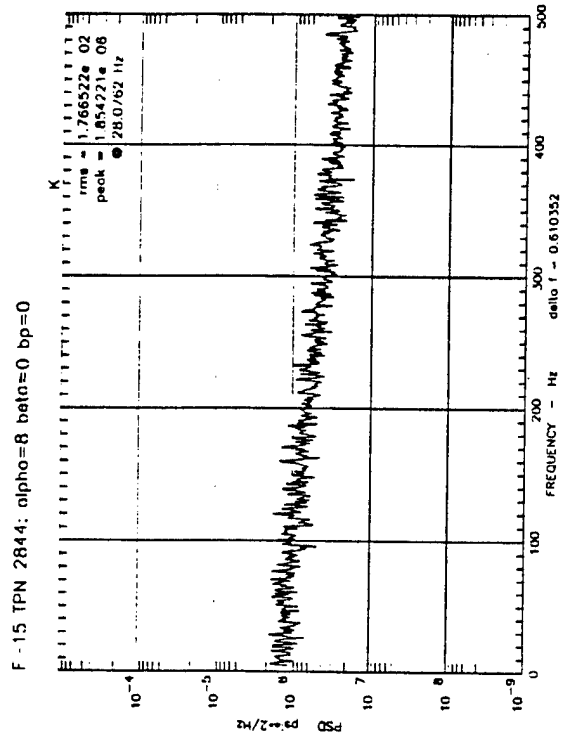

F 15 TPN 2844: alpha=8 beta=0 bp=0
G
rms = 4.919881e 03
peak = 9.920358e 08
@ 10.9863 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2844: alpha=8 beta=0 bp=0
F
rms = 1.711561e 03
peak = 1.023841e 06
@ 101.422 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

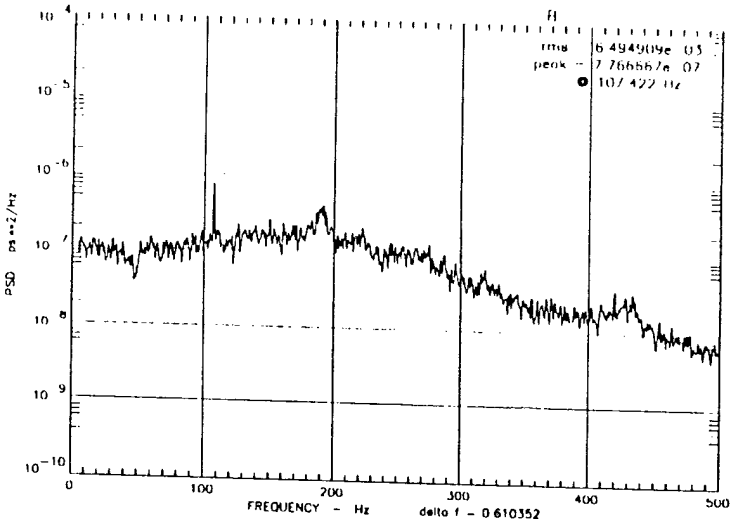

F 15 TPN 2844: alpha=8 beta=0 bp=0
F
rms = 9.316035e 04
peak = 1.691383e 07
@ 101.422 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2844: alpha=8 beta=0 bp=0
J
rms = 6.090970e 03
peak = 6.866493e 07
@ 107.422 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

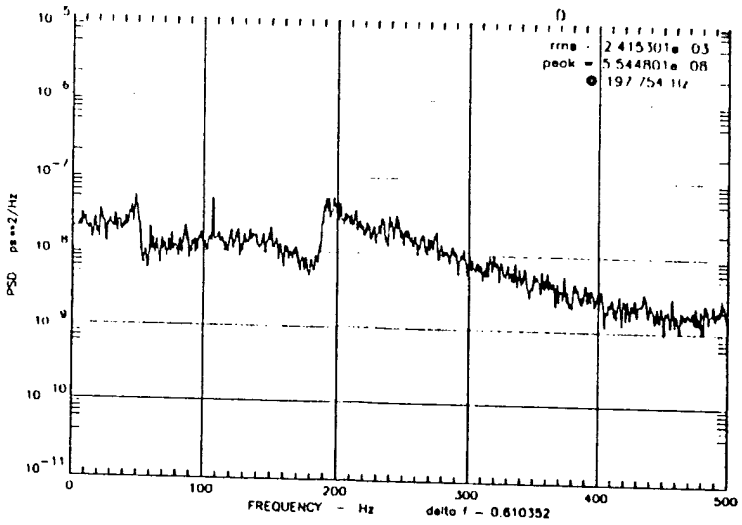

F 15 TPN 2844: alpha=8 beta=0 bp=0
I
rms = 1.083503e 02
peak = 4.705535e 07
@ 25.6348 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2844: alpha=8 beta=0 bp=0
K
rms = 1.766522e 02
peak = 1.854721e 08
@ 28.0762 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

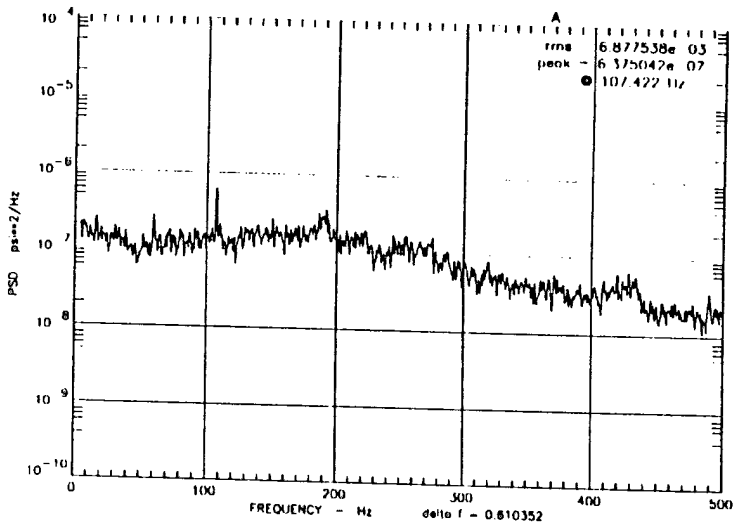
F 15 TPN 2848: alpha=16 beta=0 bp=0



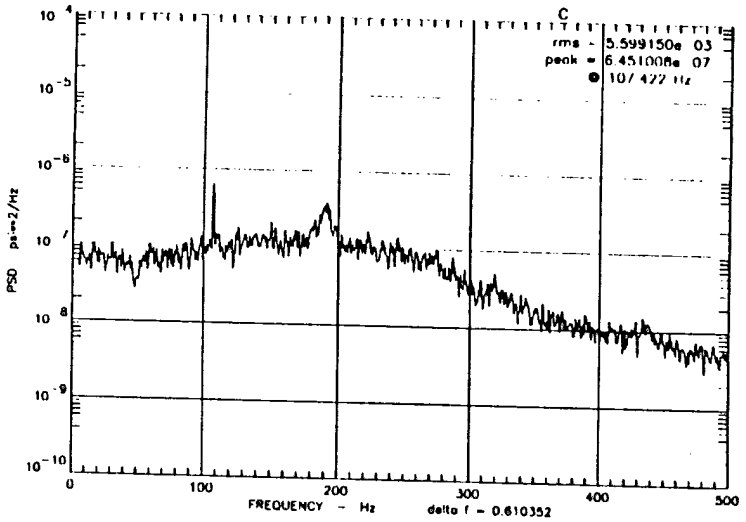
F 15 TPN 2848: alpha=16 beta=0 bp=0



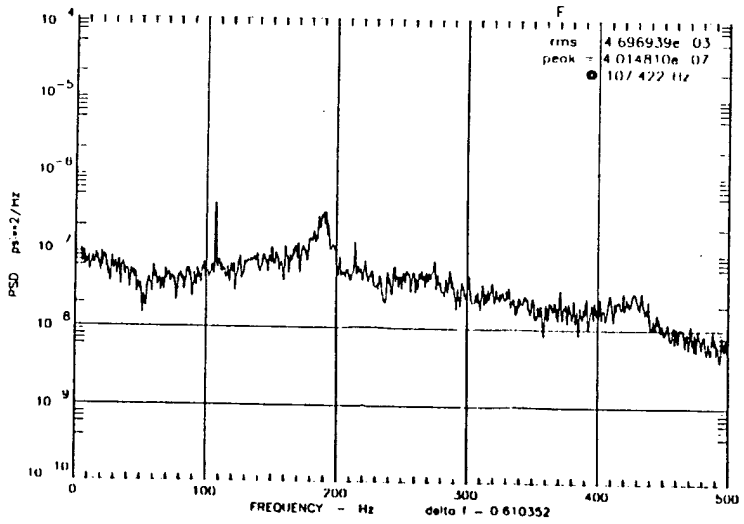
F 15 TPN 2848: alpha=16 beta=0 bp=0



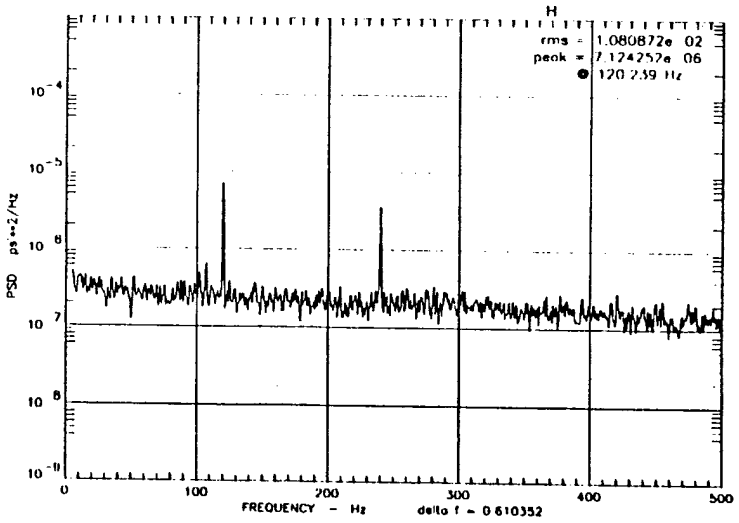
F 15 TPN 2848: alpha=16 beta=0 bp=0



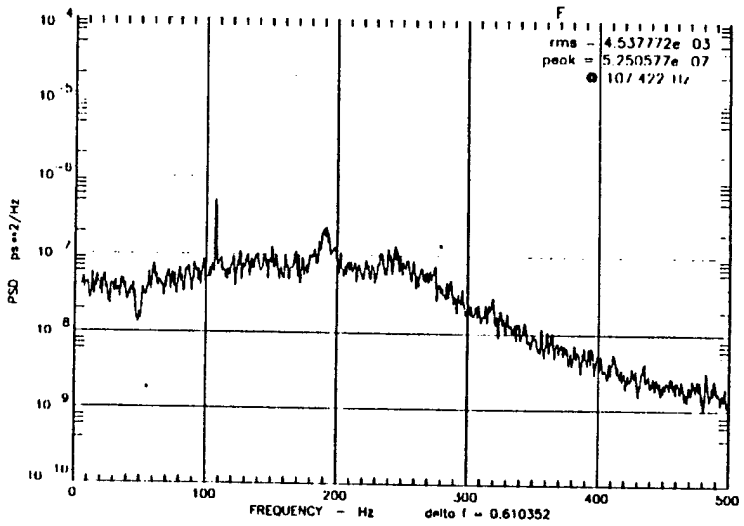
F 15 TPN 2848: alpha=16 beta=0 bp=0



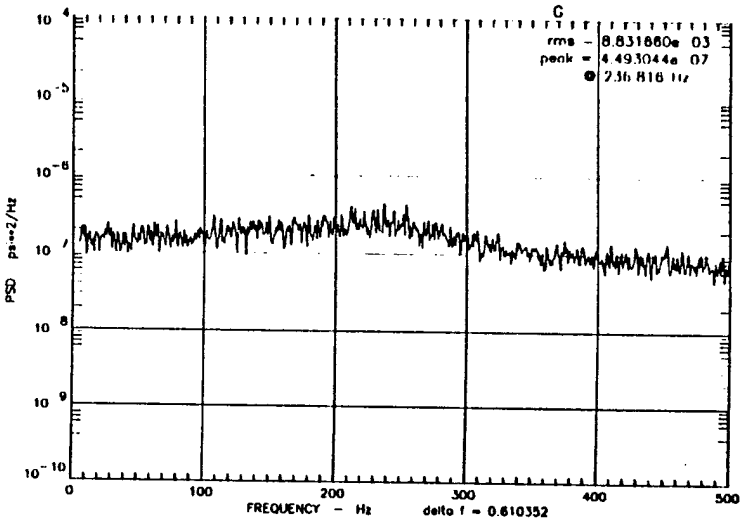
F 15 TPN 2848: alpha=16 beta=0 bp=0



F 15 TPN 2848: alpha=16 beta=0 bp=0

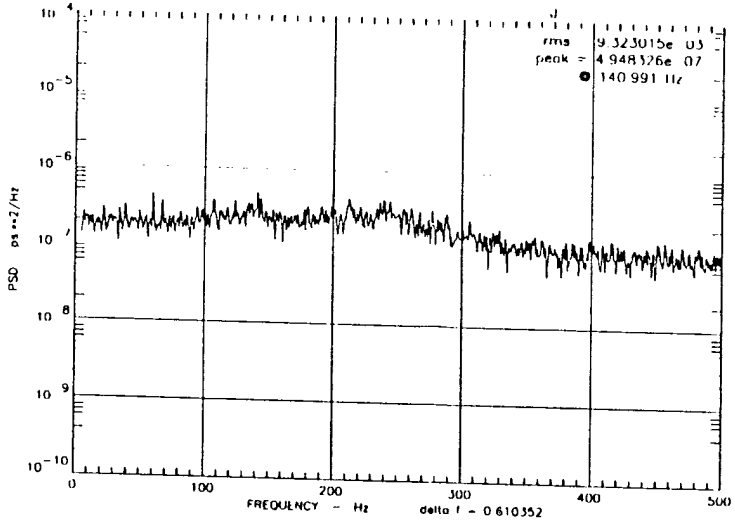


F 15 TPN 2848: alpha=16 beta=0 bp=0

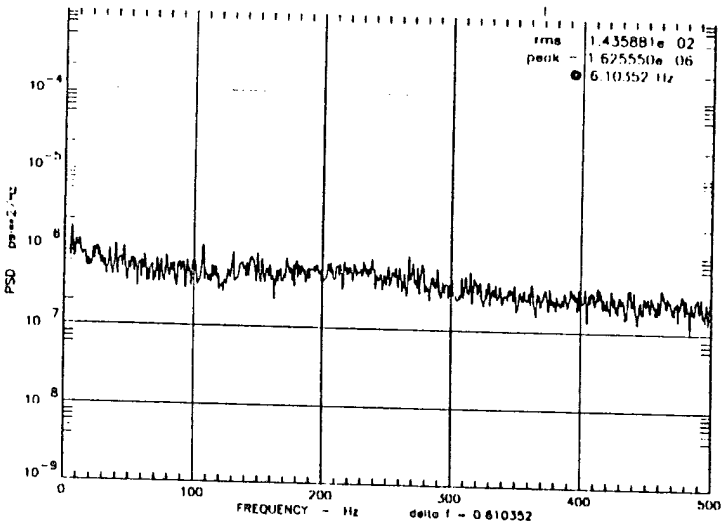


177

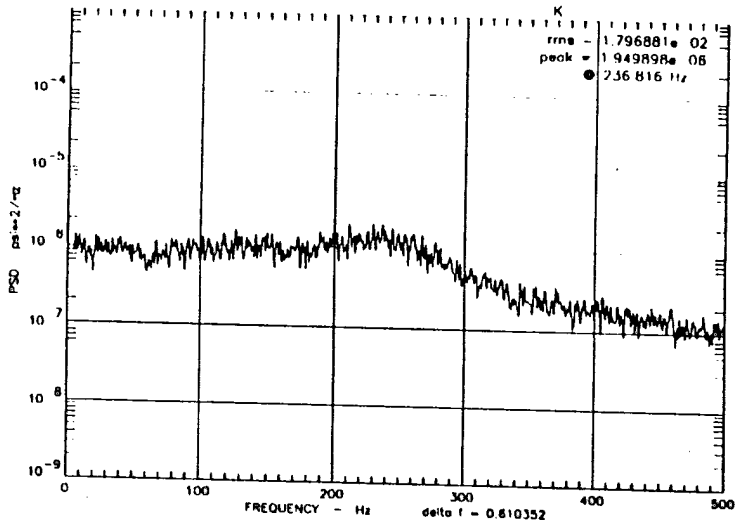
F 15 TPN 2848: alpha=16 beta=0 bp=0

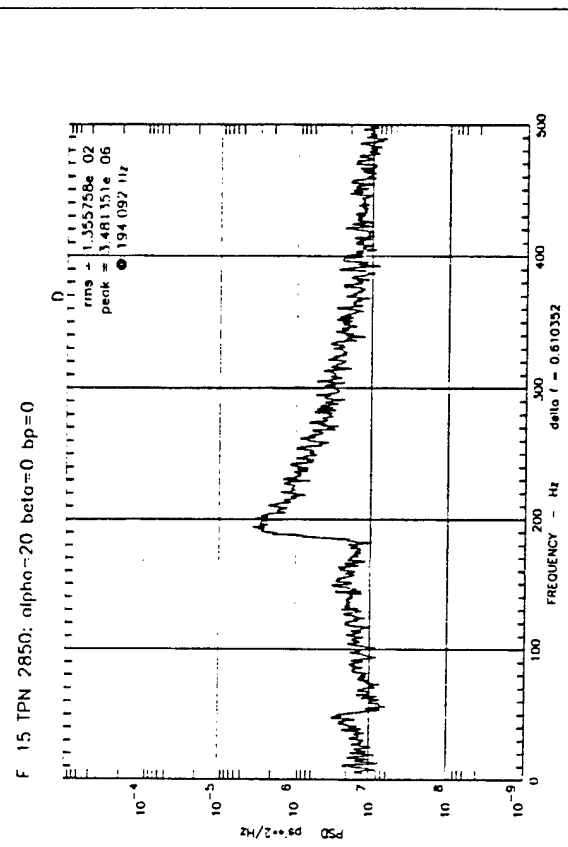


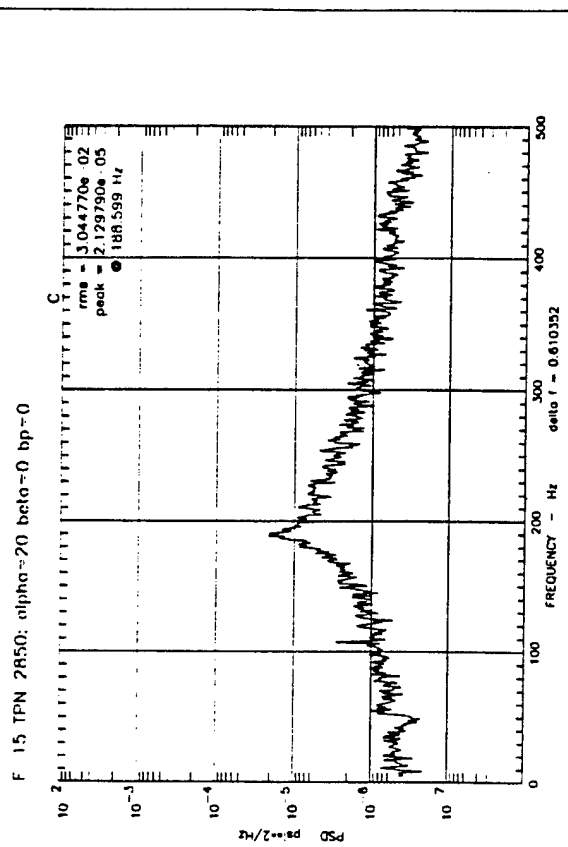
F 15 TPN 2848: alpha=16 beta=0 bp=0

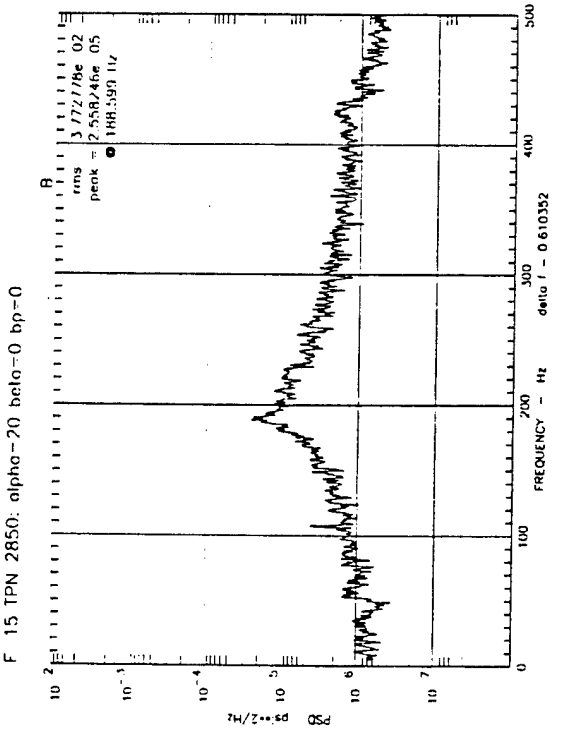


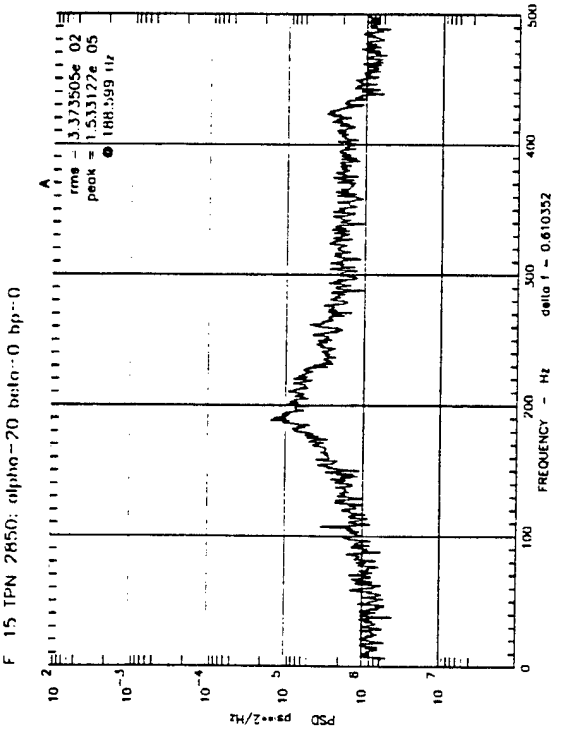
F 15 TPN 2848: alpha=16 beta=0 bp=0



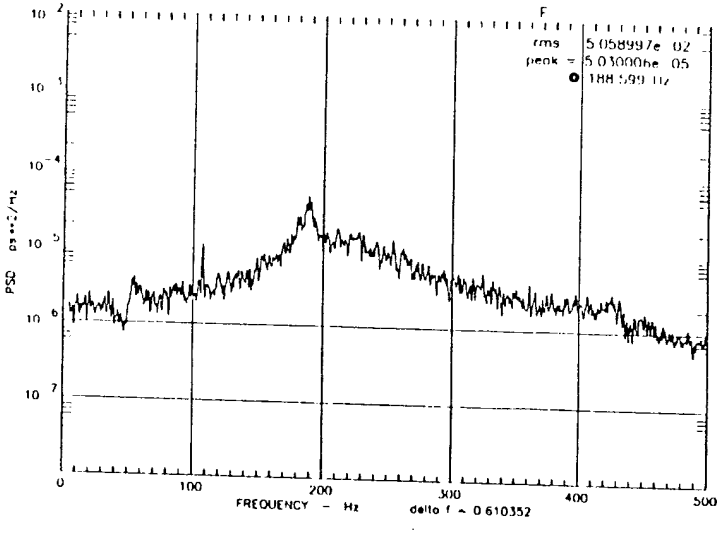

F 15 TPN 2850: alpha=20 beta=0 bp=0
D
rms = 1.355758e 02
peak = 3.481151e 06
@ 194.097 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2850: alpha=20 beta=0 bp=0
C
rms = 3.044770e 02
peak = 2.129790e 05
@ 188.599 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

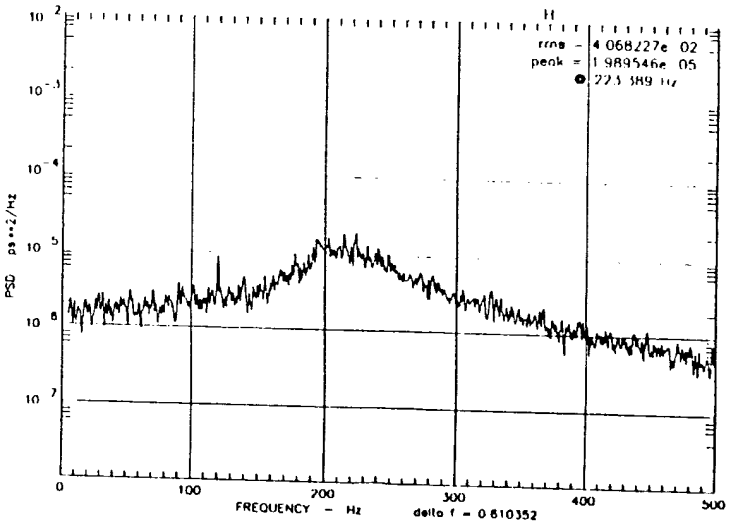

F 15 TPN 2850: alpha=20 beta=0 bp=0
B
rms = 3.772778e 02
peak = 2.558246e 05
@ 188.599 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2850: alpha=20 beta=0 bp=0
A
rms = 3.373505e 02
peak = 1.533127e 05
@ 188.599 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

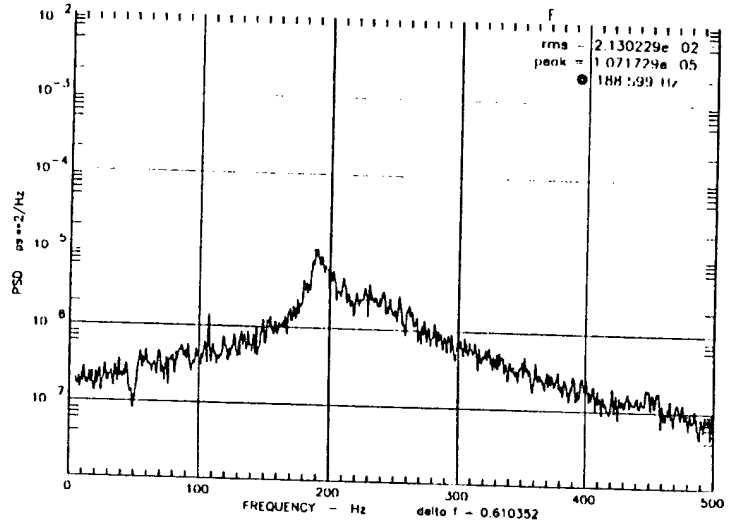
F 15 TPN 2850: alpha=20 beta=0 bp=0



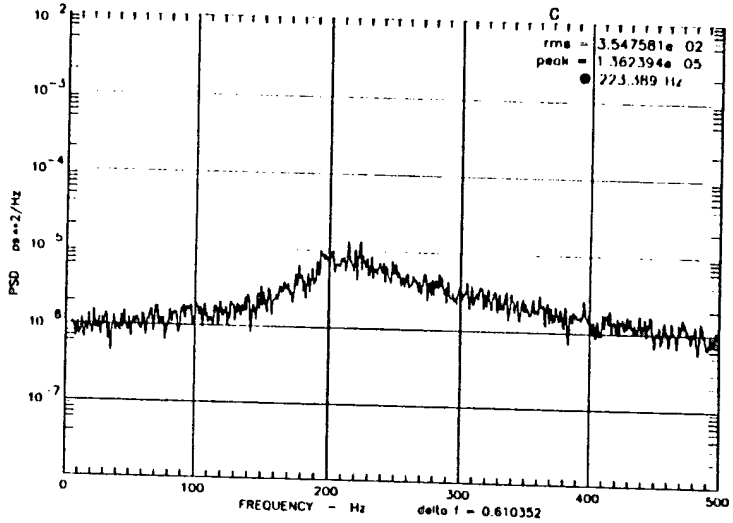
F 15 TPN 2850: alpha=20 beta=0 bp=0



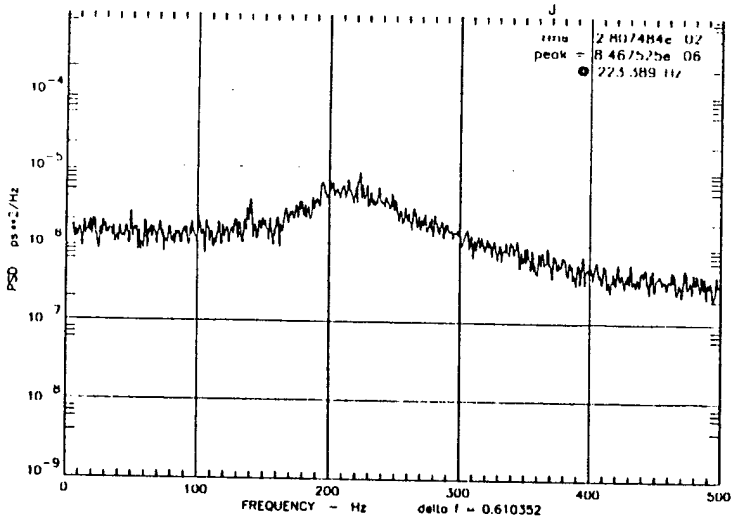
F 15 TPN 2850: alpha=20 beta=0 bp=0



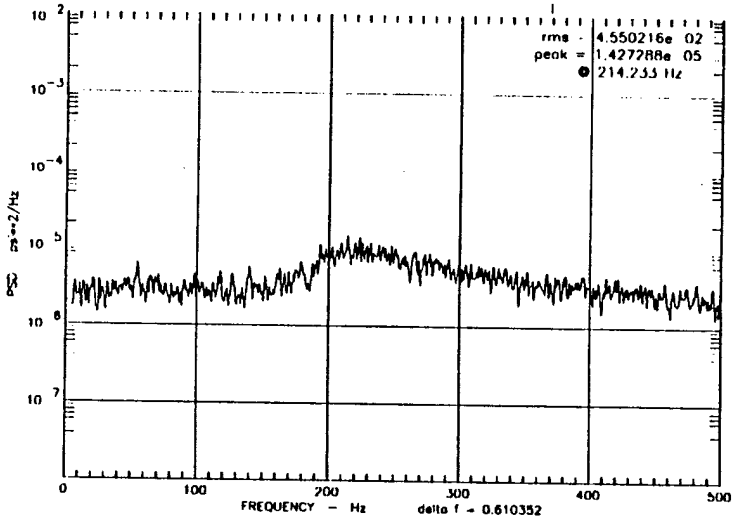
F 15 TPN 2850: alpha=20 beta=0 bp=0



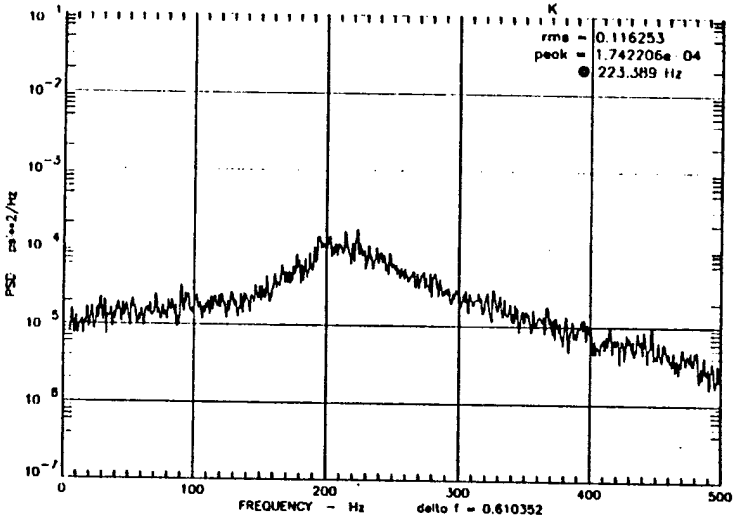
F 15 TPN 2850: alpha=20 beta=0 bp=0

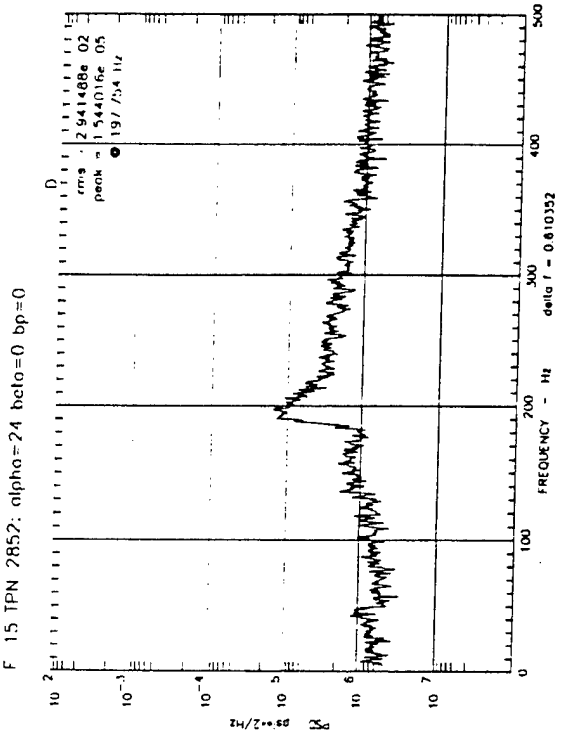


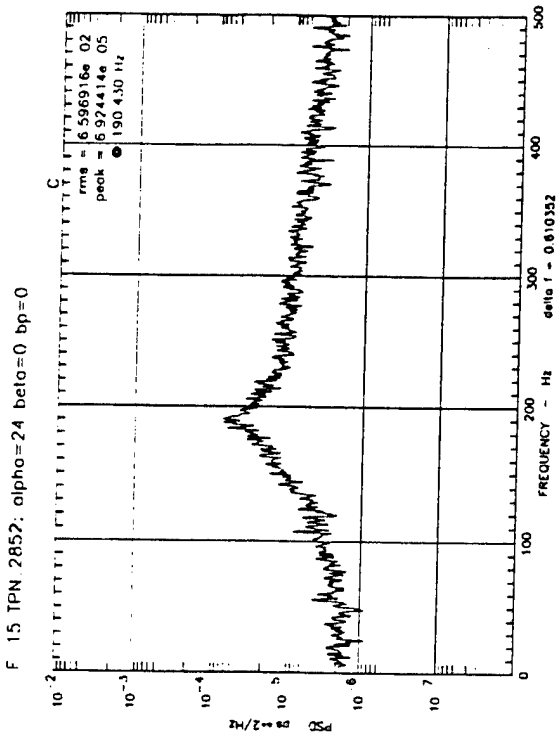
F 15 TPN 2850: alpha=20 beta=0 bp=0

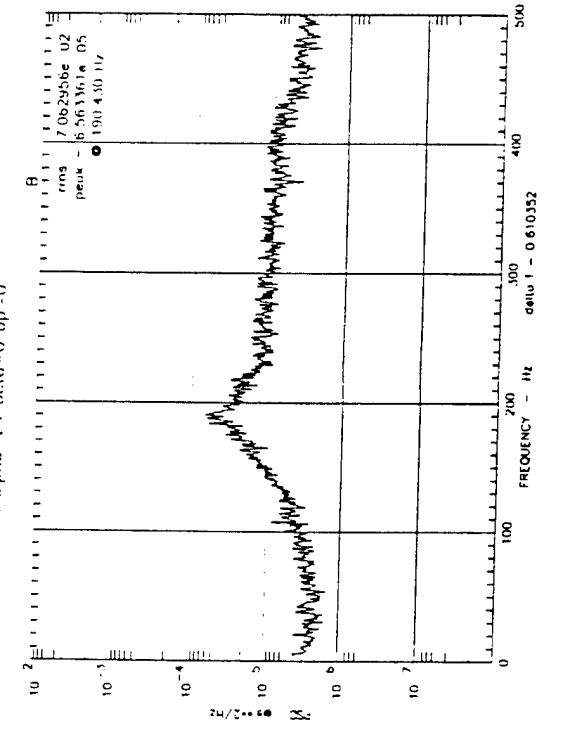


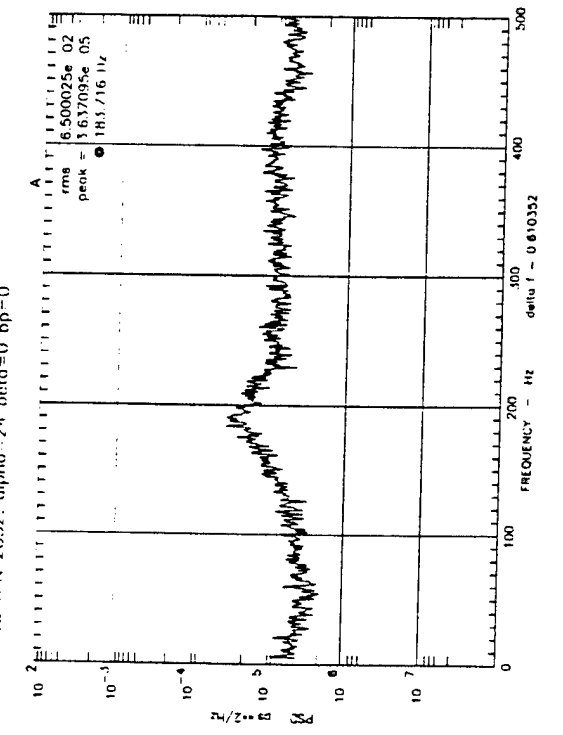
F 15 TPN 2850: alpha=20 beta=0 bp=0



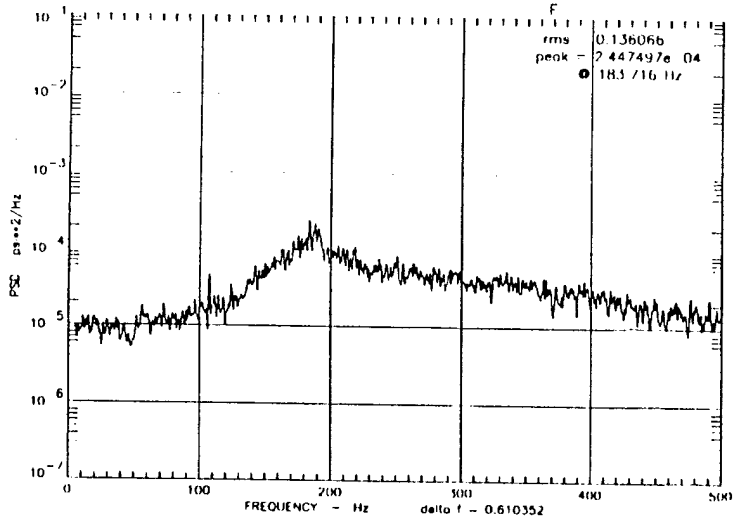

F 15 TPN 2852: alpha=24 beta=0 bp=0
D
rms = 2.941488e 02
peak = 1.544016e 05
@ 197.754 Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2852: alpha=24 beta=0 bp=0
C
rms = 6.596916e 02
peak = 6.924414e 05
@ 190.430 Hz
FREQUENCY - Hz
delta f = 0.610352

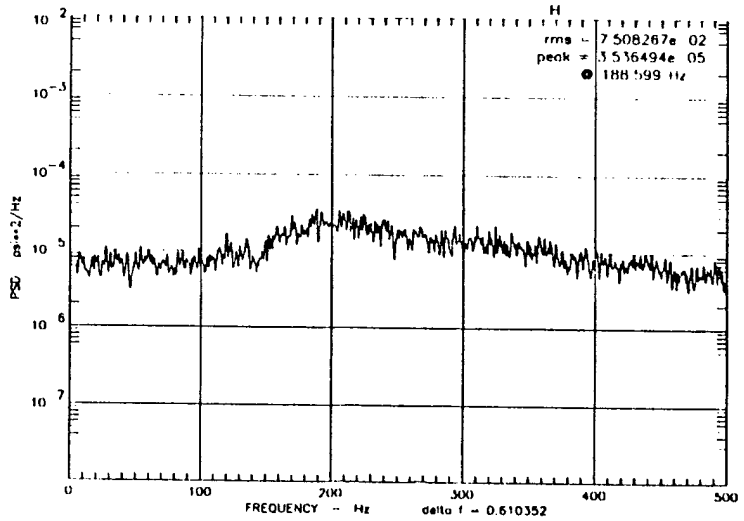

F 15 TPN 2852: alpha=24 beta=0 bp=0
B
rms = 7.062956e 02
peak = 6.563161e 05
@ 190.430 Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2852: alpha=24 beta=0 bp=0
A
rms = 6.500025e 02
peak = 5.637095e 05
@ 185.716 Hz
FREQUENCY - Hz
delta f = 0.610352

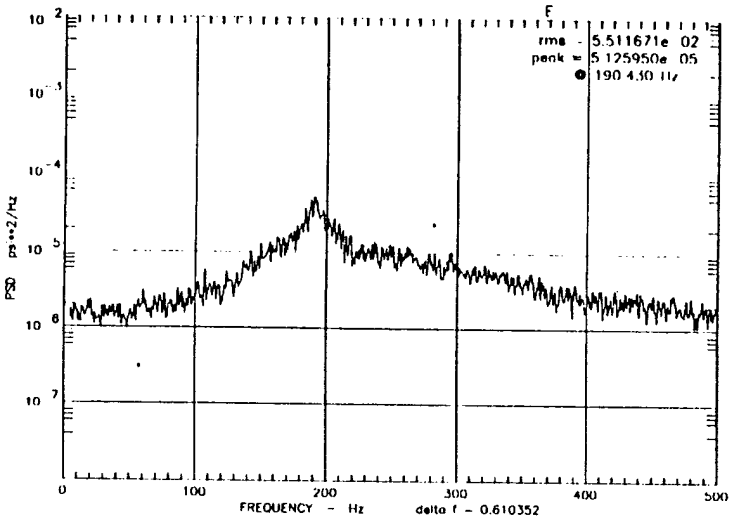
F 15 TPN 2852: alpha=24 beta=0 bp=0



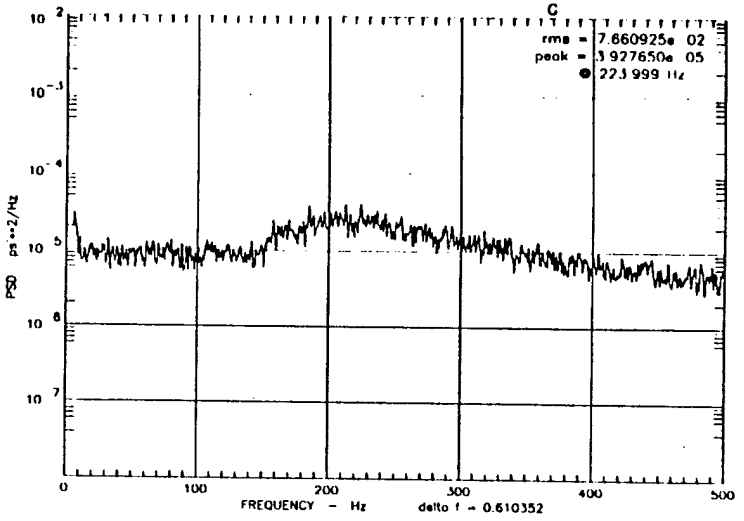
F 15 TPN 2852: alpha=24 beta=0 bp=0



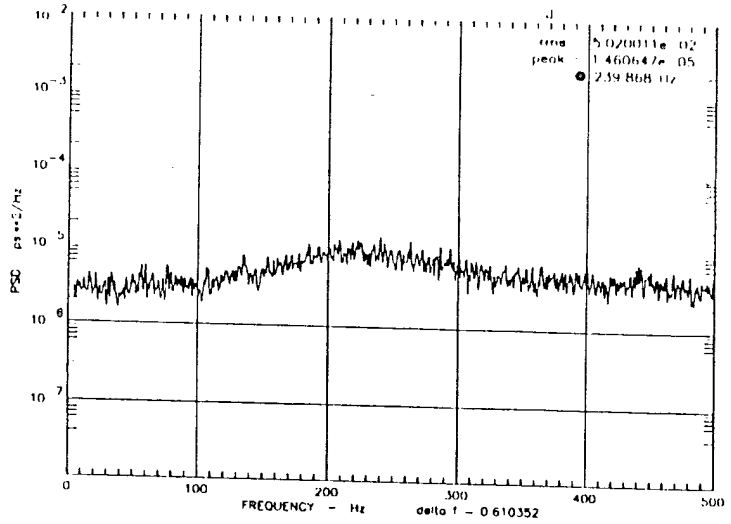
F 15 TPN 2852: alpha=24 beta=0 bp=0



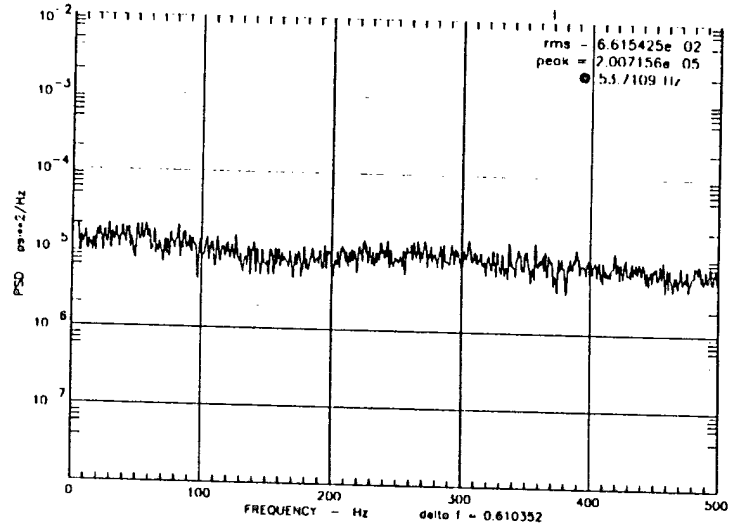
F 15 TPN 2852: alpha=24 beta=0 bp=0



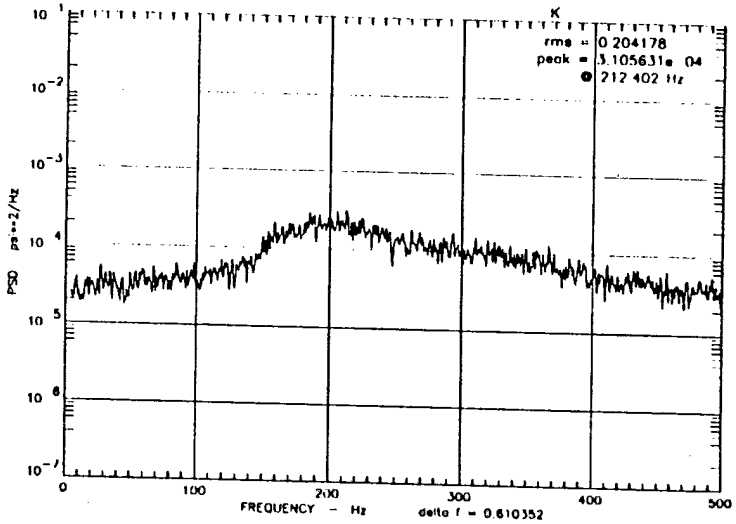
F 15 TPN 2852: alpha=24 beta=0 bp=0



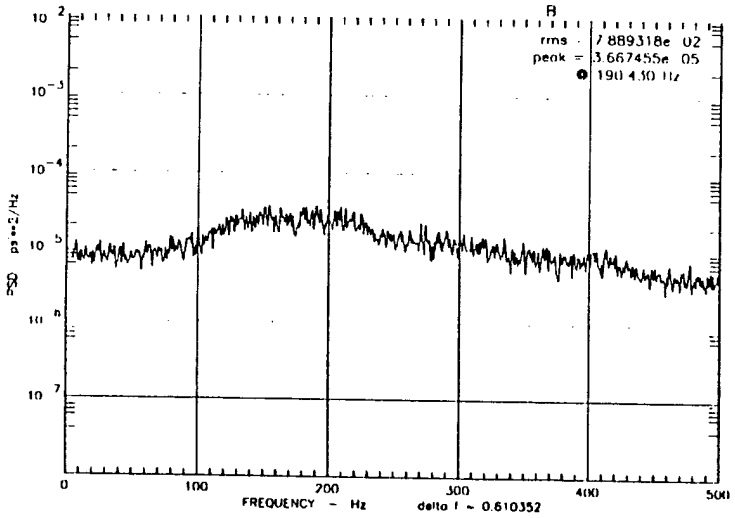
F 15 TPN 2852: alpha=24 beta=0 bp=0



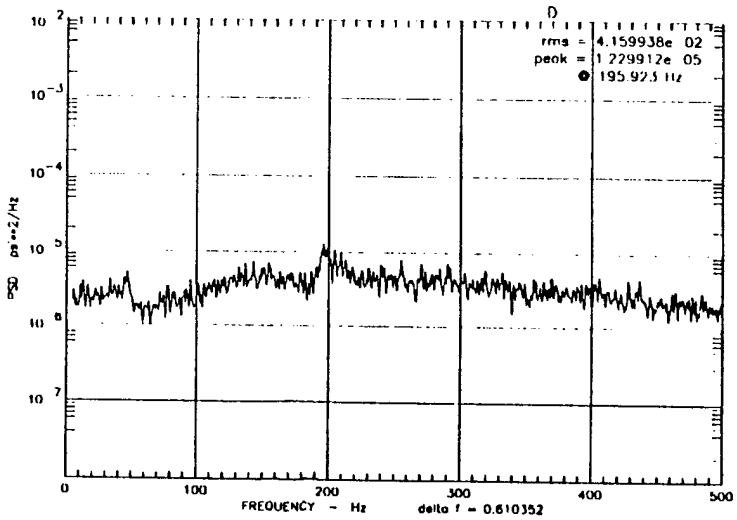
F 15 TPN 2852: alpha=24 beta=0 bp=0



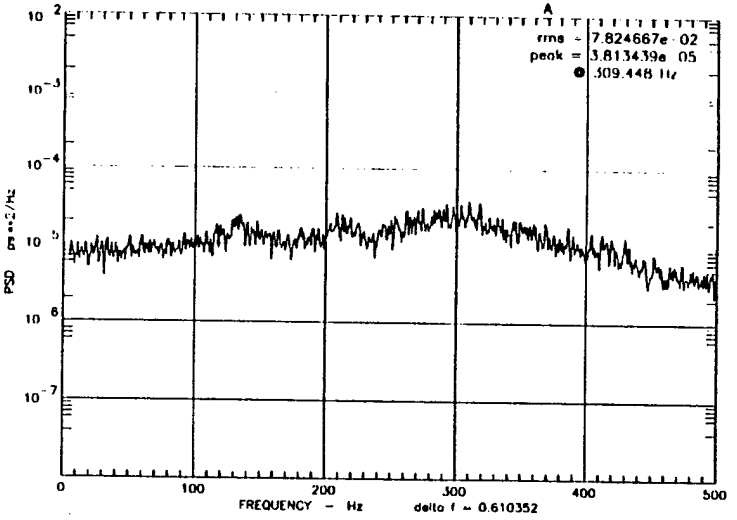
F 15 TPN 2853: alpha=28 beta=0 bp=0



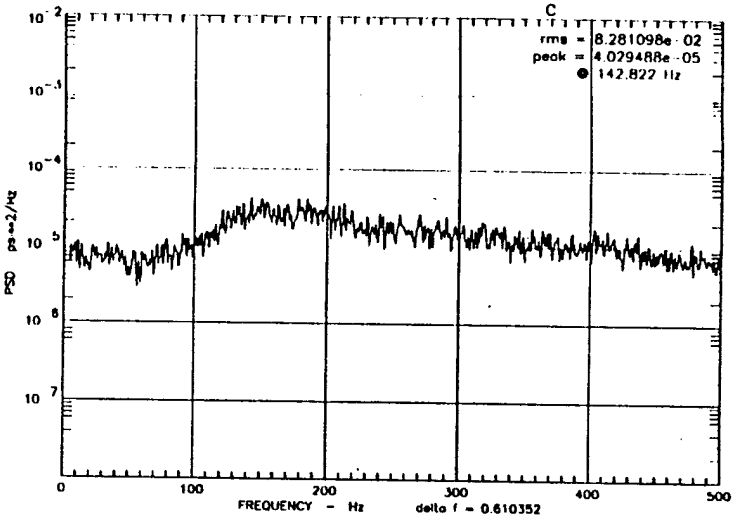
F 15 TPN 2853: alpha=28 beta=0 bp=0

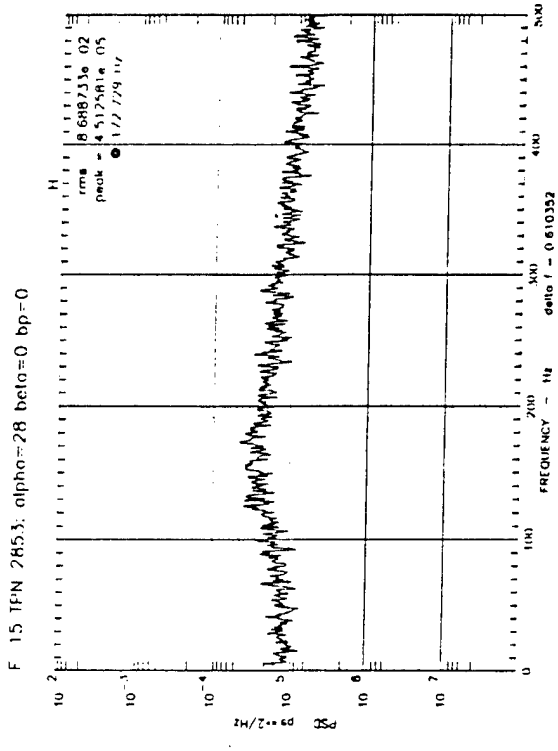


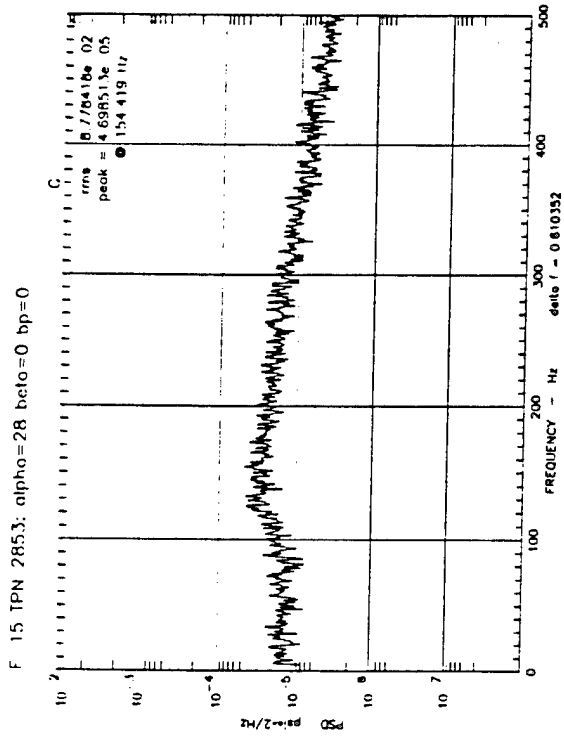
F 15 TPN 2853: alpha=28 beta=0 bp=0

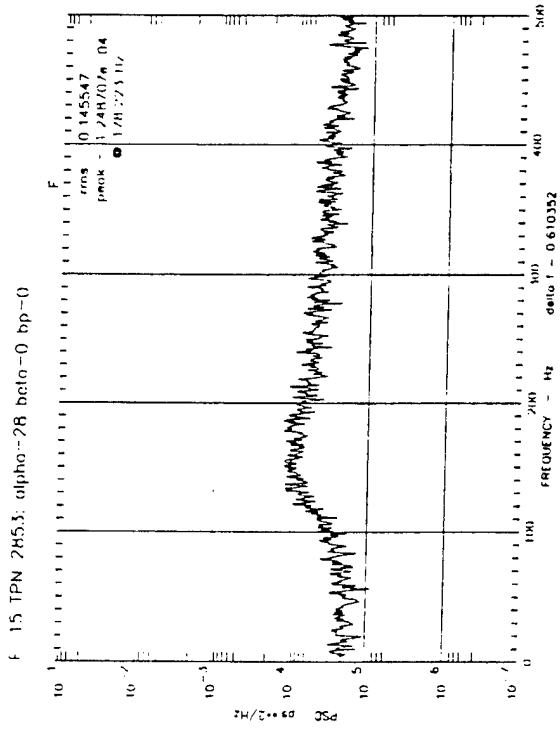


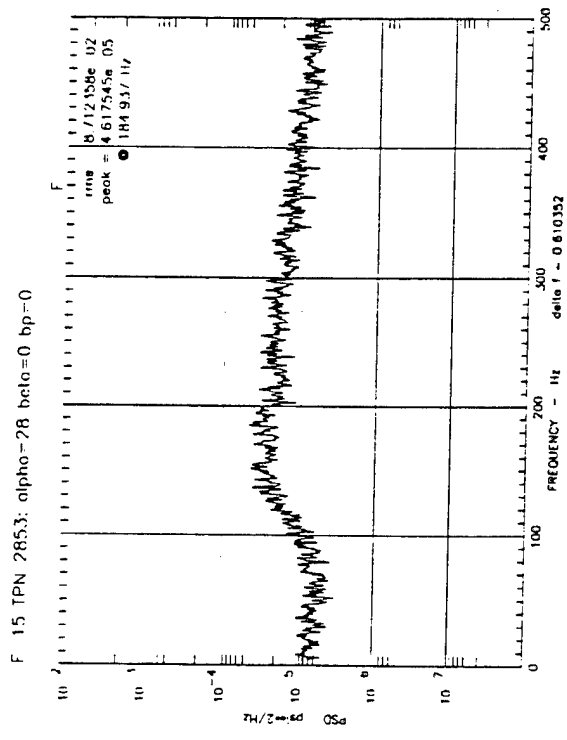
F 15 TPN 2853: alpha=28 beta=0 bp=0

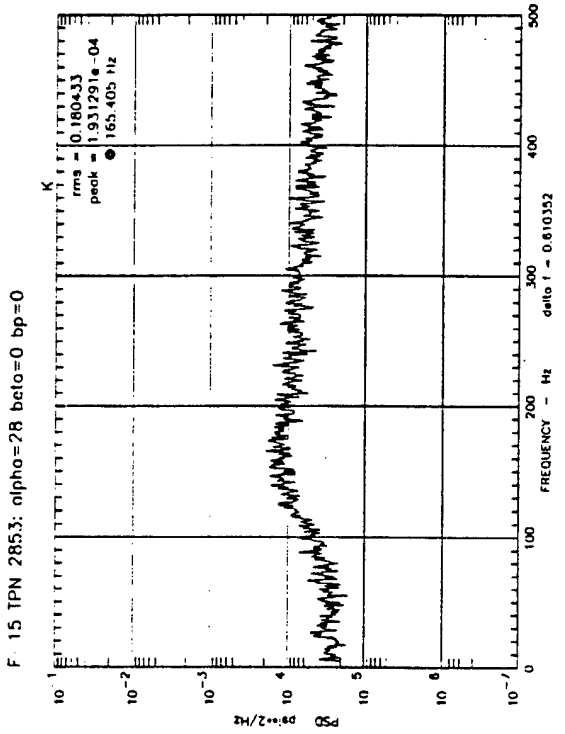


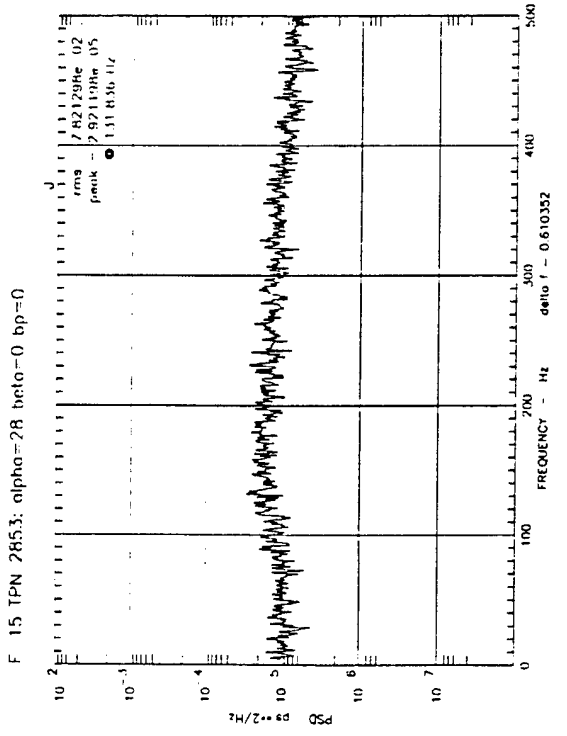

F 15 TPN 285.3: alpha=28 beta=0 bp=0
H
rms 8.688733e 02
peak = 4.512581e 05
@ 177.779 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

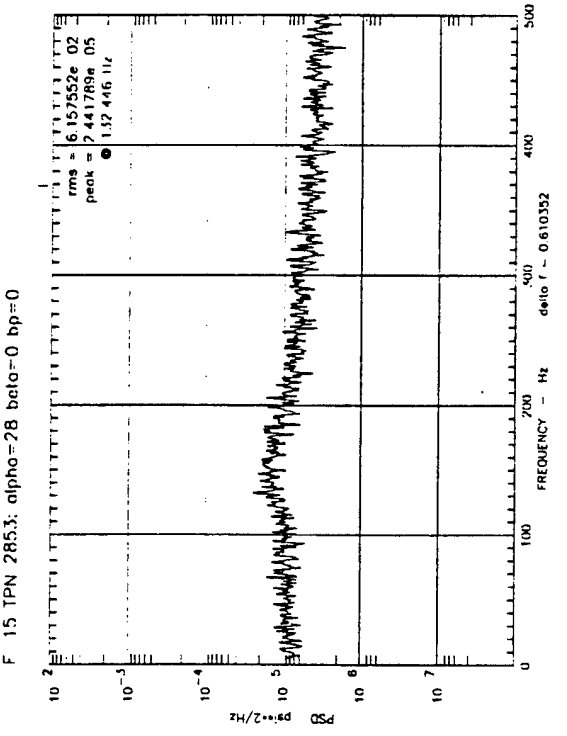

F 15 TPN 285.3: alpha=28 beta=0 bp=0
C
rms 8.778418e 02
peak = 4.698513e 05
@ 154.419 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 285.3: alpha=28 beta=0 bp=0
F
rms 8.712158e 02
peak = 4.617545e 05
@ 184.935 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

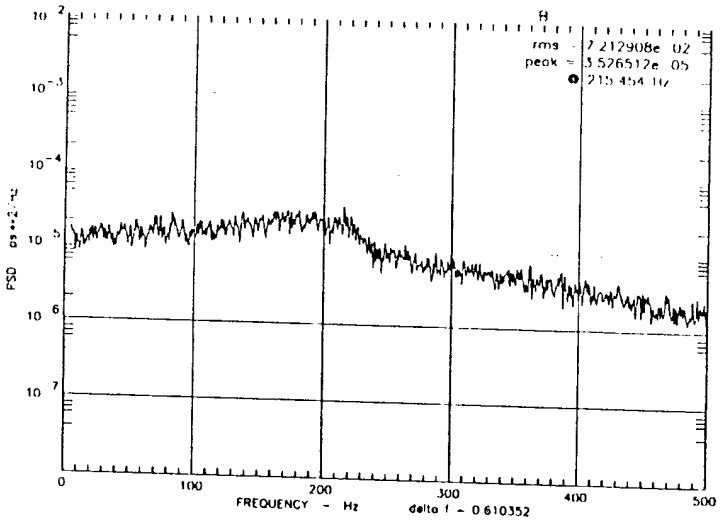

F 15 TPN 285.3: alpha=28 beta=0 bp=0
F
rms 0.145547
peak = 1.248107e 04
@ 178.223 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2853: alpha=28 beta=0 bp=0
K
rms = 0.180433
peak = 1.931291e-04
@ 165.405 Hz
PSD p9:**2/Hz
FREQUENCY - Hz
delta f = 0.610352

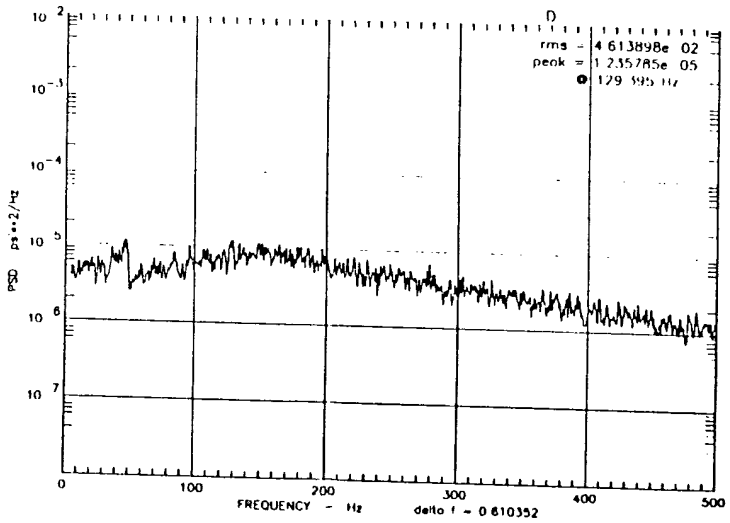

F 15 TPN 2853: alpha=28 beta=0 bp=0
J
rms = 7.821298e 02
peak = 7.921198e 05
@ 1.51 856 Hz
PSD p9:**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2853: alpha=28 beta=0 bp=0
I
rms = 6.157552e 02
peak = 7.441789e 05
@ 1.52 446 Hz
PSD p9:**2/Hz
FREQUENCY - Hz
delta f = 0.610352

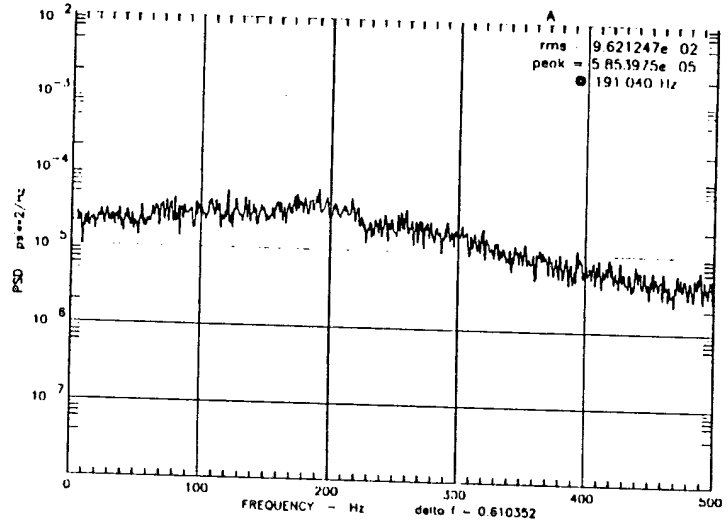
F 15 TPN 2854: alpha=32 beta=0 bp=0



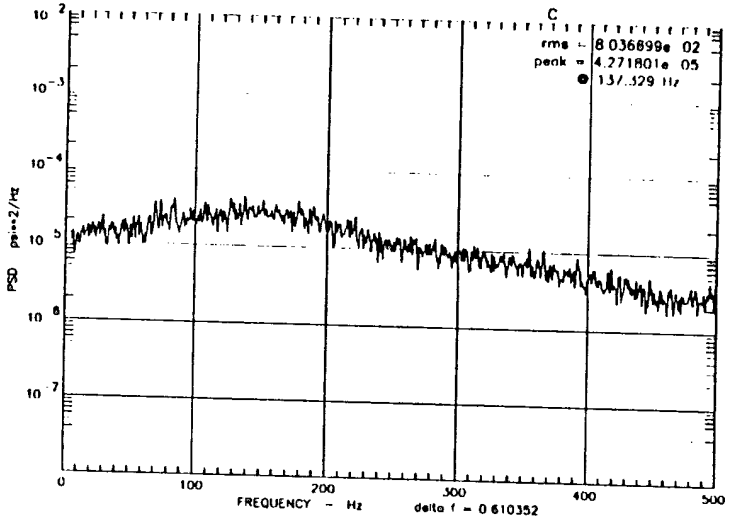
F 15 TPN 2854: alpha=32 beta=0 bp=0

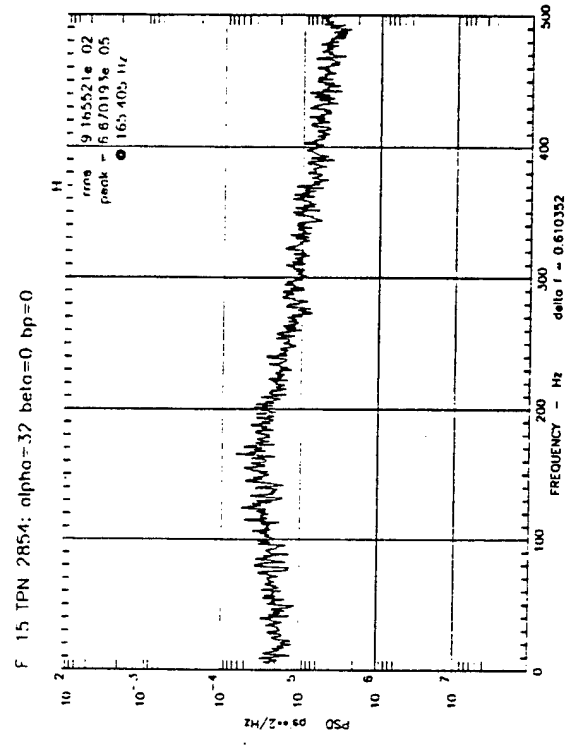


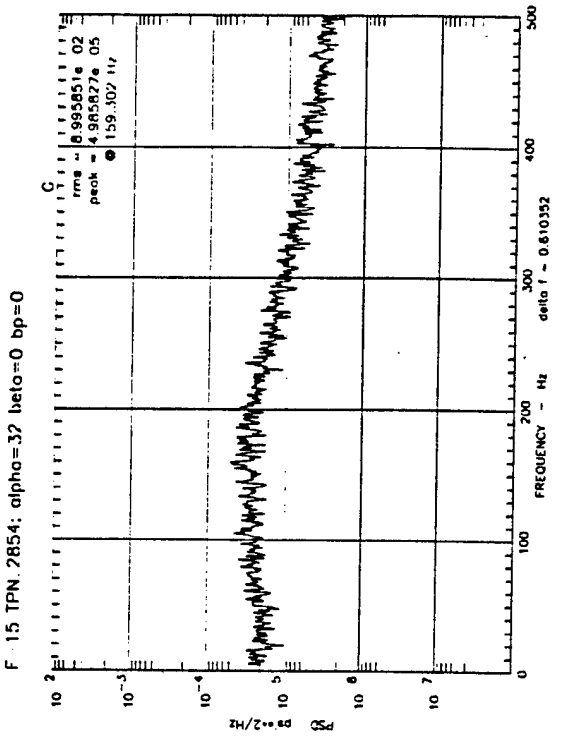
F 15 TPN 2854: alpha=32 beta=0 bp=0

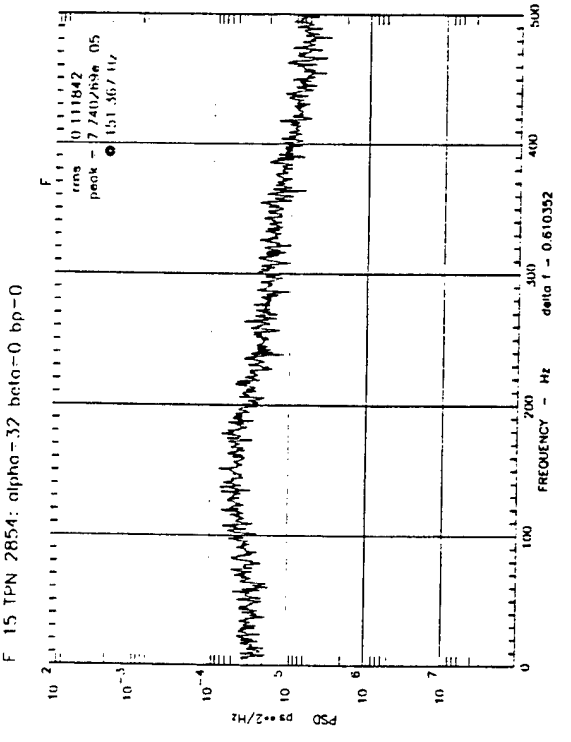


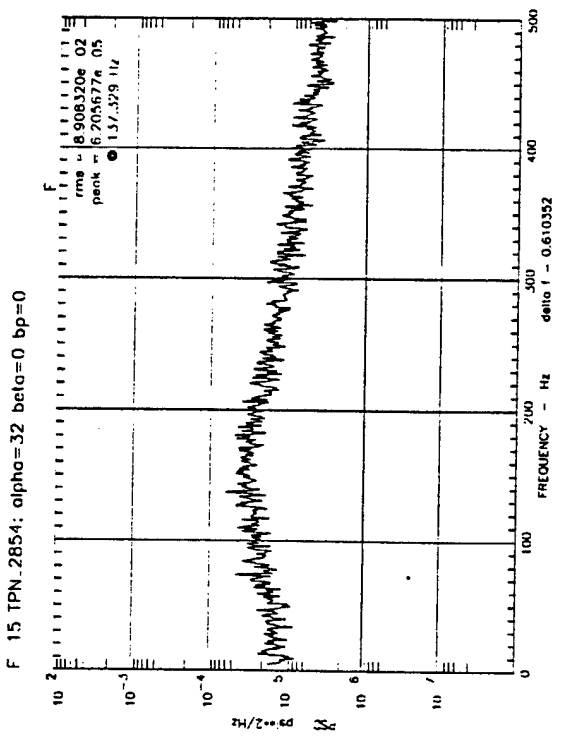
F 15 TPN 2854: alpha=32 beta=0 bp=0



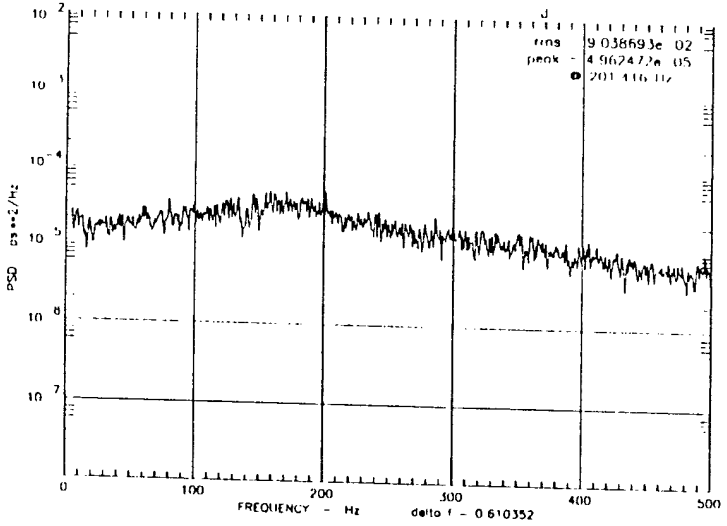

F 15 TPN 2854: alpha=32 beta=0 bp=0
H
rms = 9.165521e 02
peak = 6.870194e 05
@ 165.405 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2854: alpha=32 beta=0 bp=0
G
rms = 8.995851e 02
peak = 4.985827e 05
@ 159.302 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

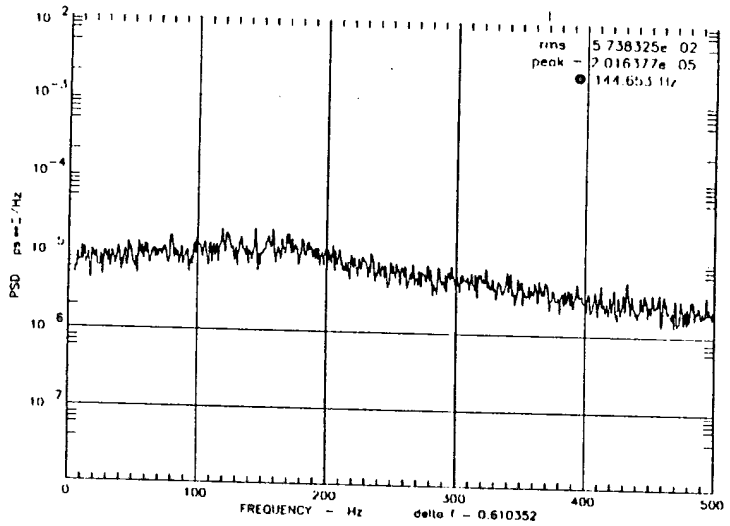

F 15 TPN 2854: alpha=32 beta=0 bp=0
F
rms = 0.111842
peak = 7.740139e 05
@ 151.367 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN.2854: alpha=32 beta=0 bp=0
F
rms = 8.908320e 02
peak = 6.205677e 05
@ 137.329 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

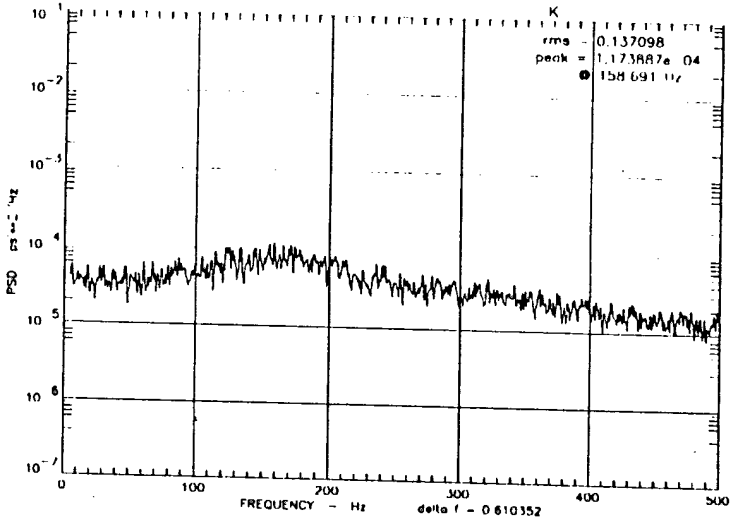
F 15 TPN 2854: alpha=32 beta=0 bp=0

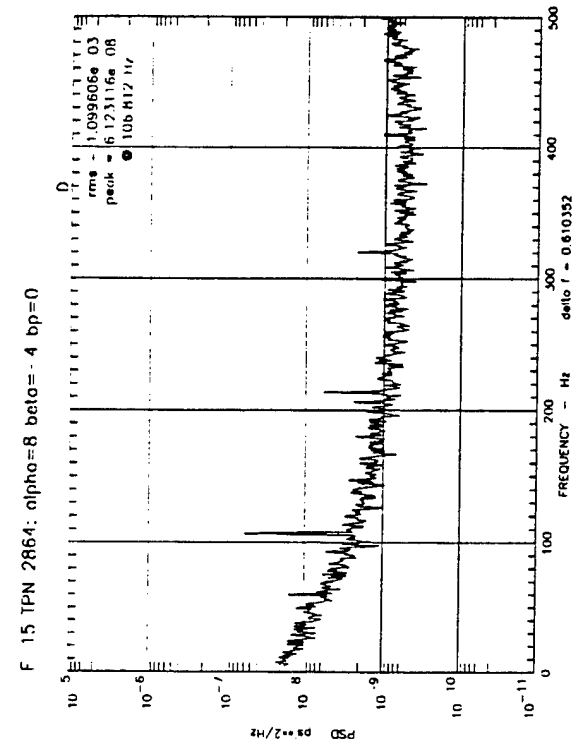


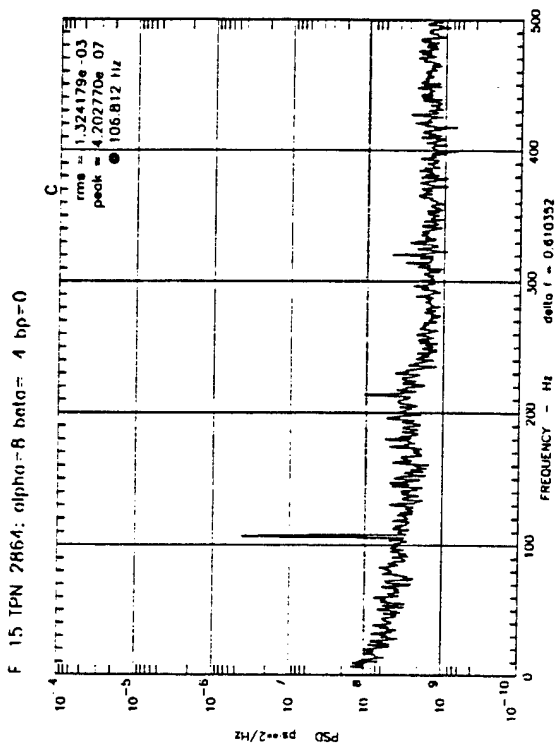
F 15 TPN 2854: alpha=32 beta=0 bp=0

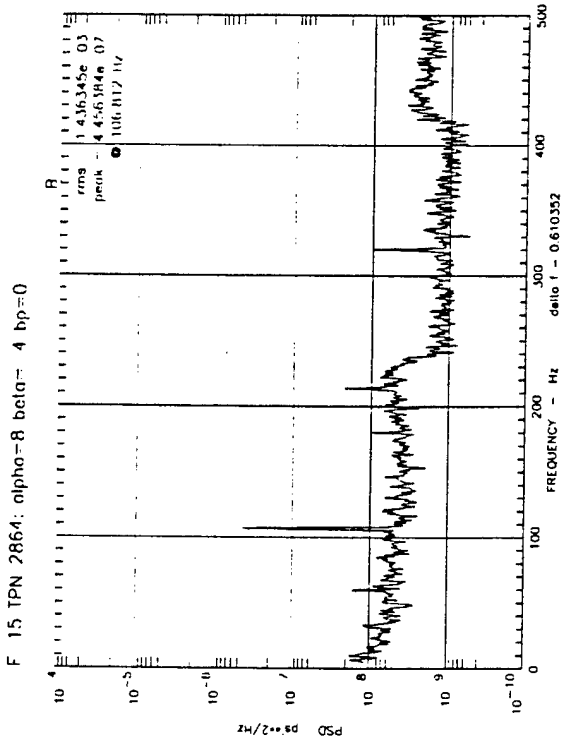


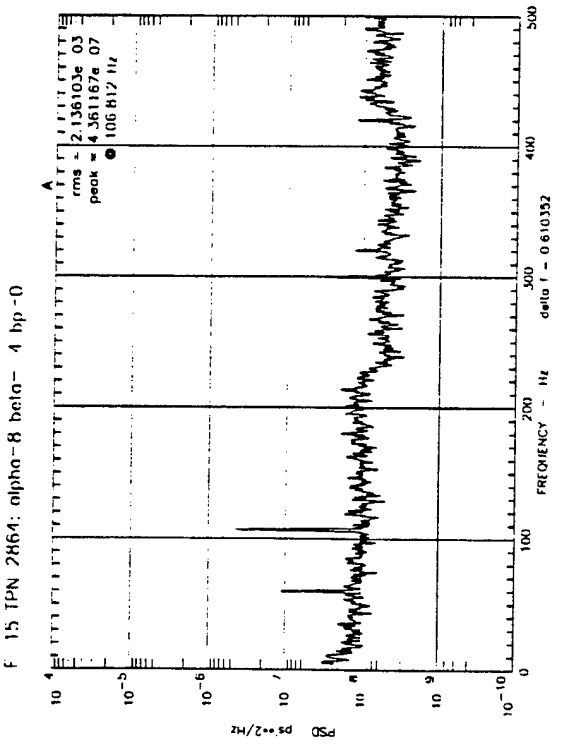
F 15 TPN 2854: alpha=32 beta=0 bp=0

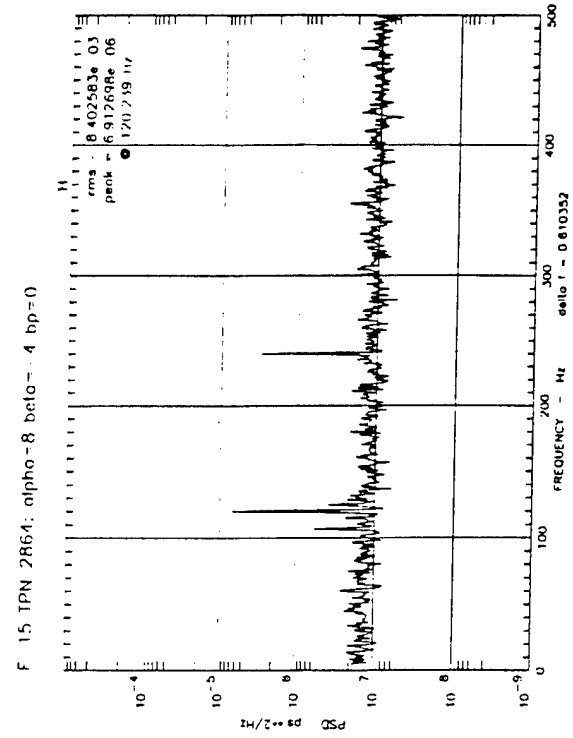


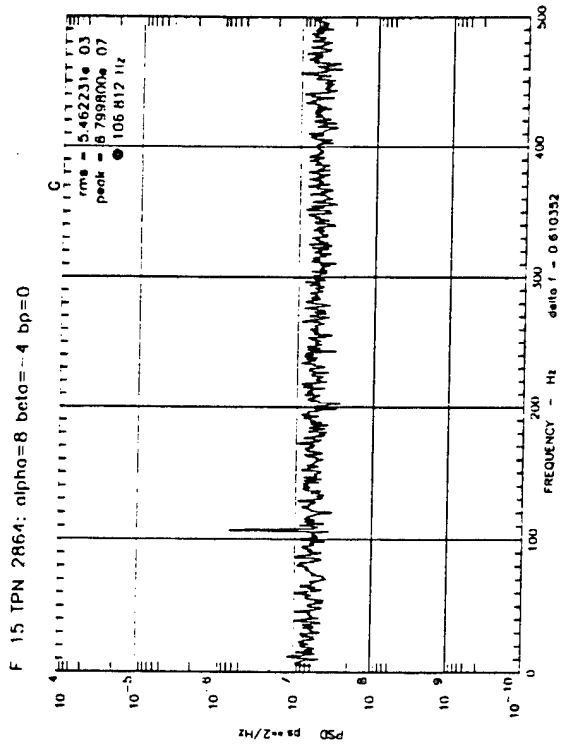

F 15 TPN 2864: alpha=8 beta= 4 bp=0
D
rms = 1.099606e 03
peak = 6.123116e 08
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

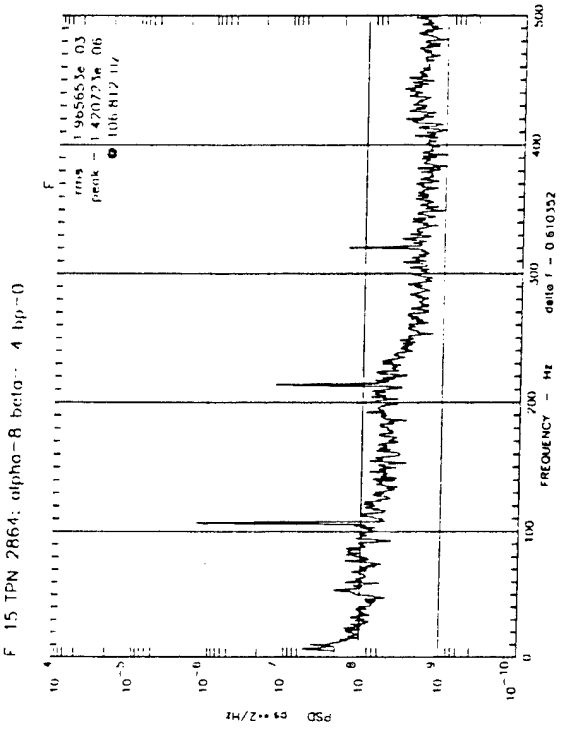

F 15 TPN 2864: alpha=8 beta= 4 bp=0
C
rms = 1.324179e-03
peak = 4.202770e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

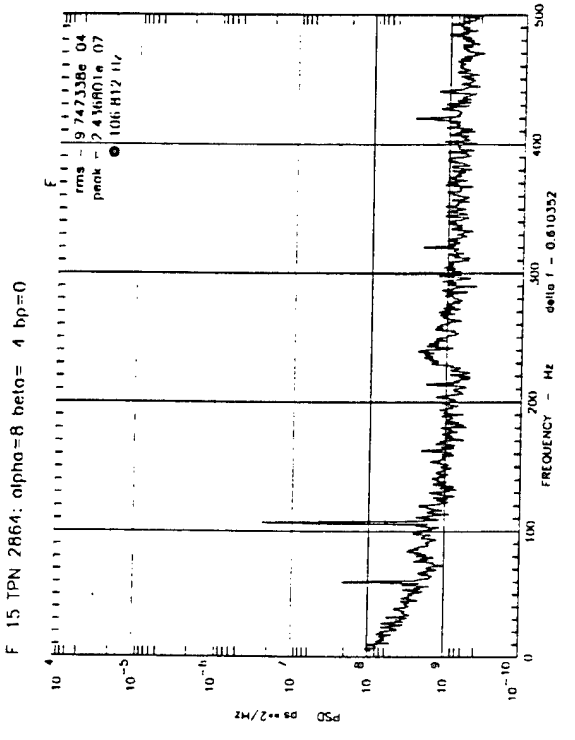

F 15 TPN 2864: alpha=8 beta= 4 bp=0
B
rms = 1.436345e 03
peak = 4.456584e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2864: alpha=8 beta= 4 bp=0
A
rms = 2.136103e 03
peak = 4.361167e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

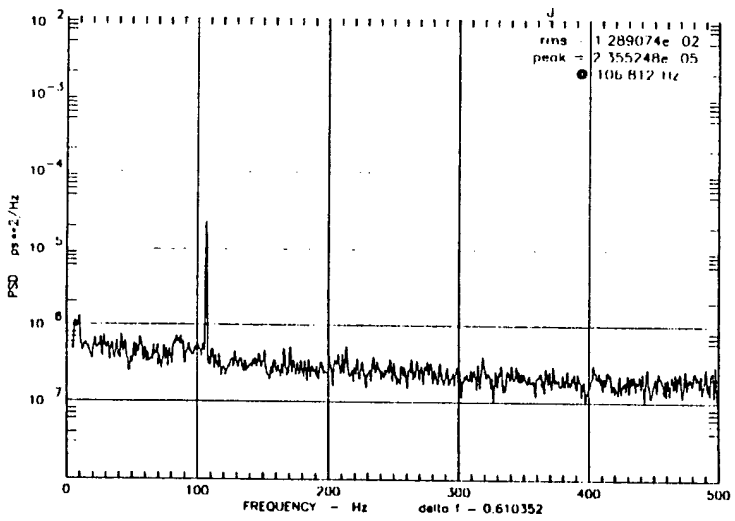

F 15 TPN 2864: alpha=8 beta=-4 bp=0
H
rms = 8.402583e 03
peak = 6.912698e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2864: alpha=8 beta=-4 bp=0
G
rms = 5.462231e 03
peak = 8.799800e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

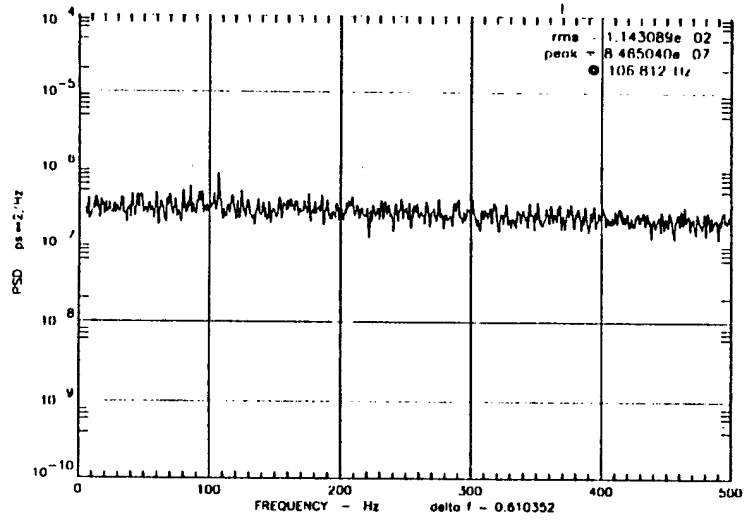

F 15 TPN 2864: alpha=8 beta=-4 bp=0
F
rms = 1.965653e 03
peak = 1.470223e 06
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2864: alpha=8 beta=-4 bp=0
F
rms = 9.747338e 04
peak = 2.436801e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

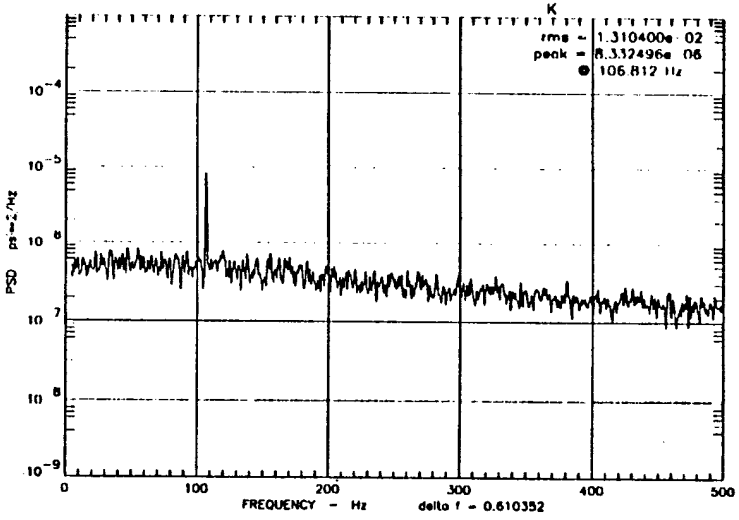
F 15 TPN 2864: alpha=8 beta= 4 bp=0



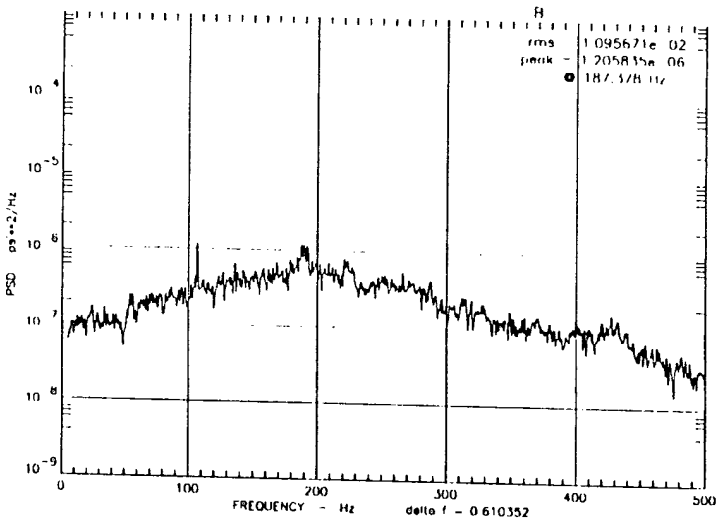
F 15 TPN 2864: alpha=8 beta= 4 bp=0



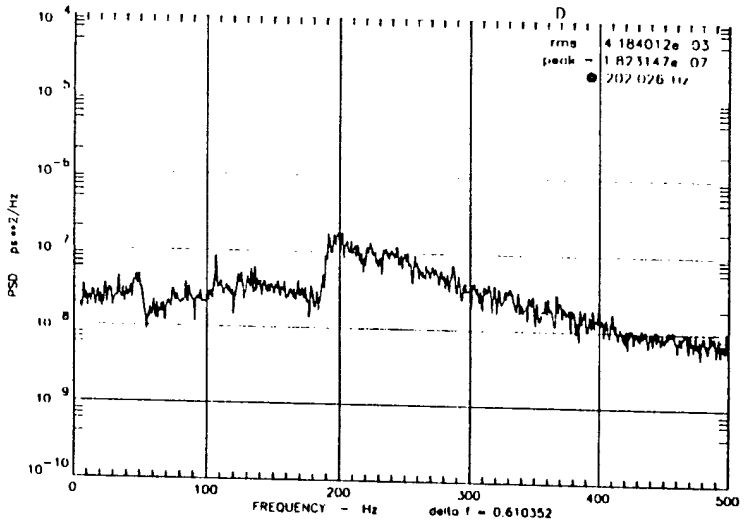
F 15 TPN 2864: alpha=8 beta= 4 bp=0



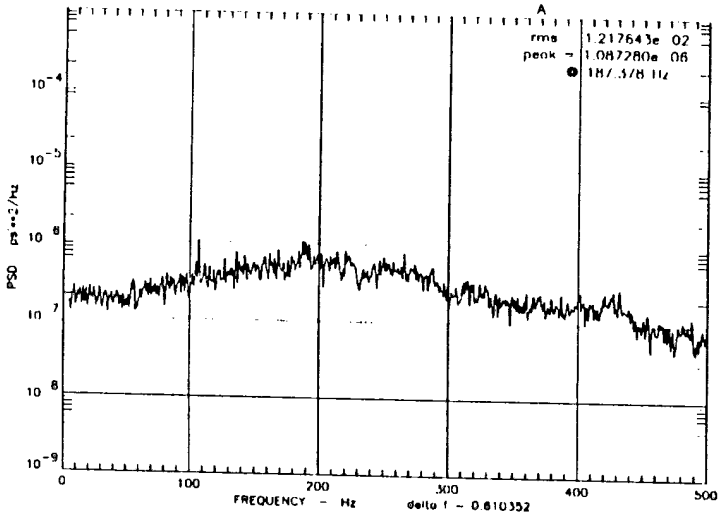
F 15 TPN 2868: alpha=16 beta= 4 bp=0



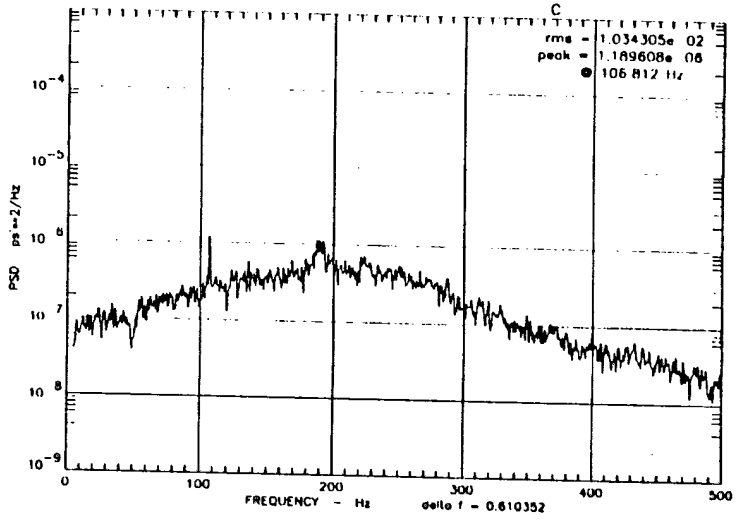
F 15 TPN 2868: alpha=16 beta= 4 bp=0



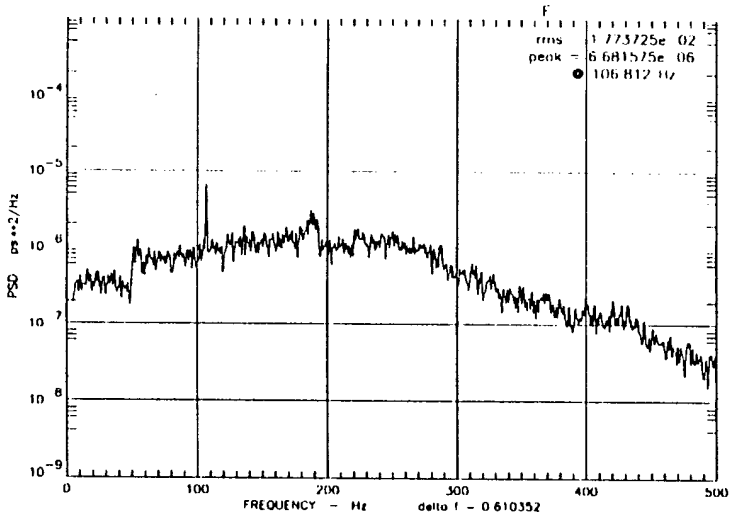
F 15 TPN 2868: alpha=16 beta= 4 bp=0



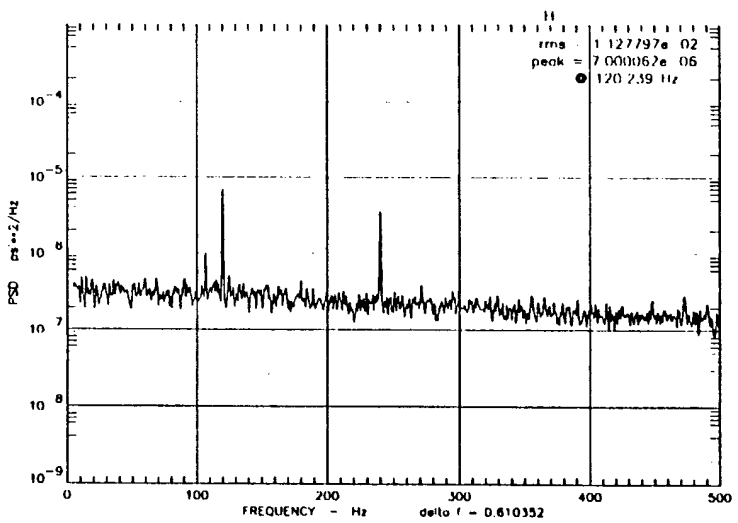
F 15 TPN 2868: alpha=16 beta= 4 bp=0



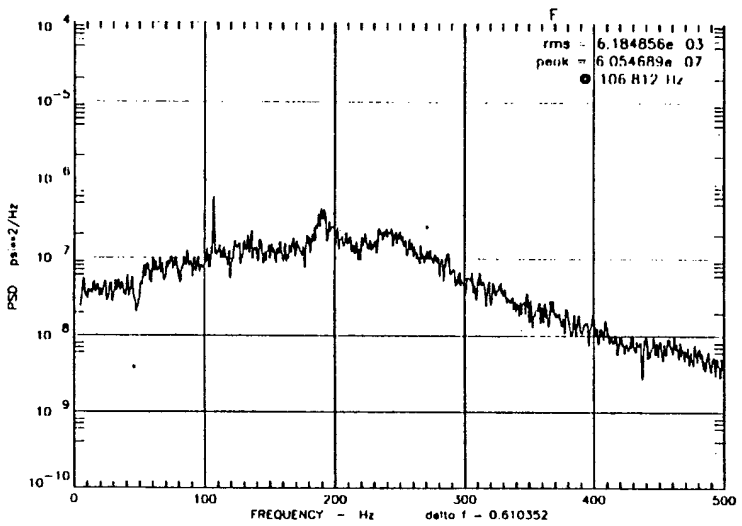
F 15 TPN 2868: alpha=16 beta= 4 bp=0



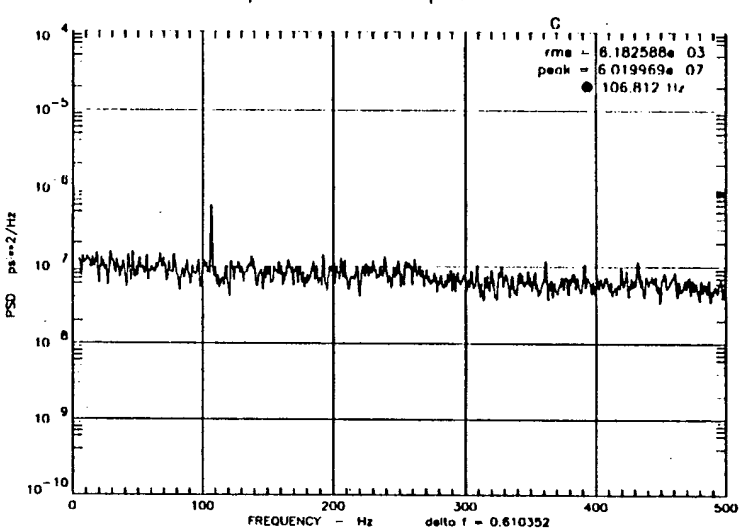
F 15 TPN 2868: alpha=16 beta= 4 bp=0

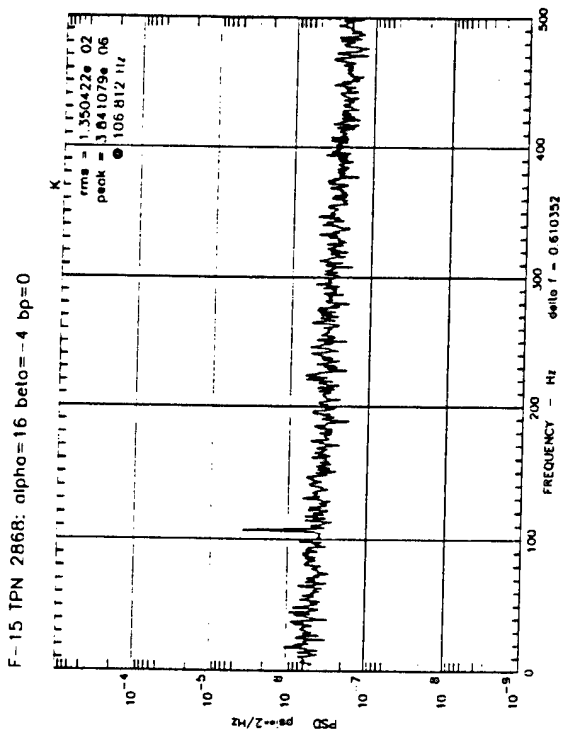


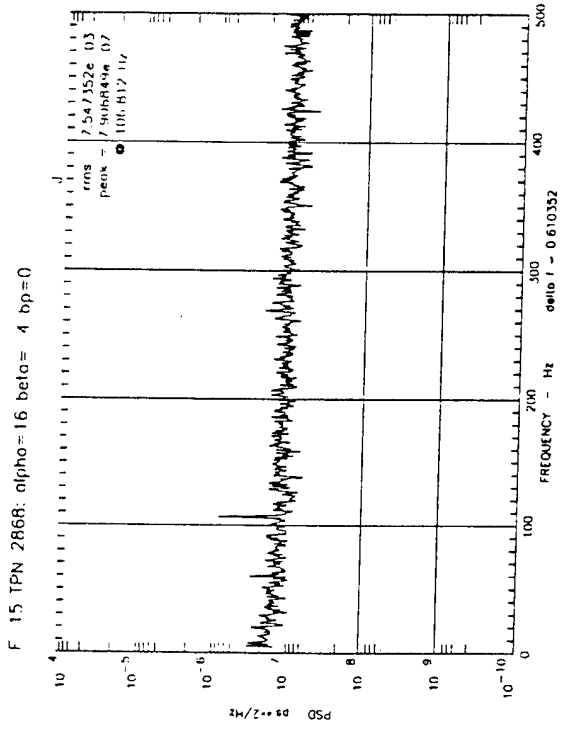
F 15 TPN 2868: alpha=16 beta= 4 bp=0

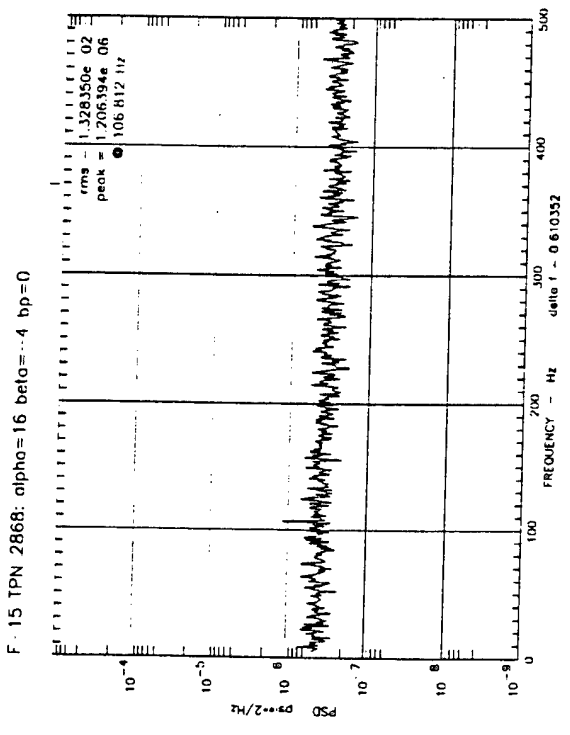


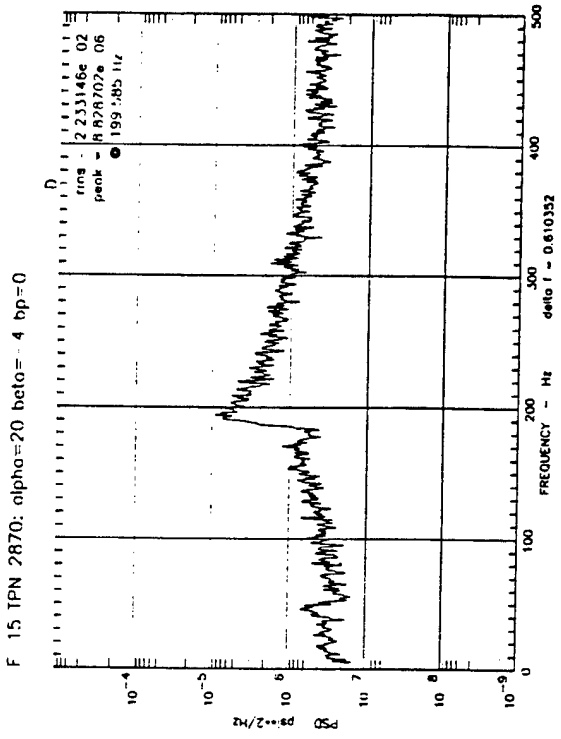
F 15 TPN 2868: alpha=16 beta= 4 bp=0

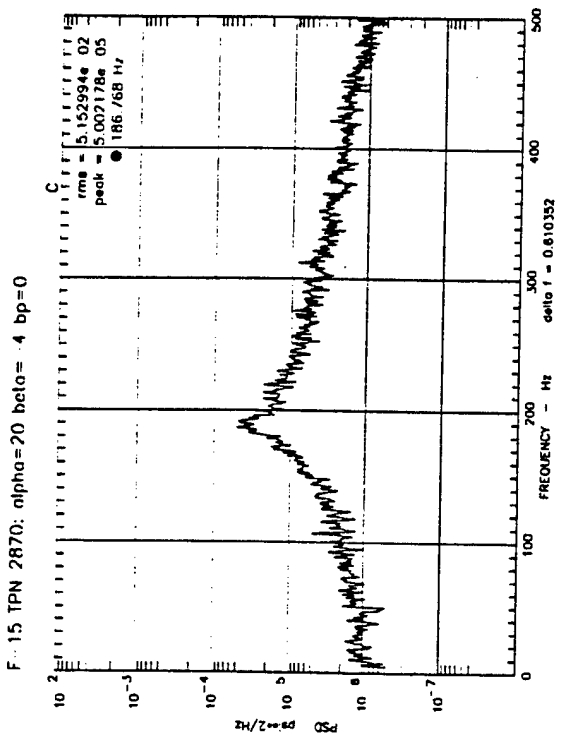


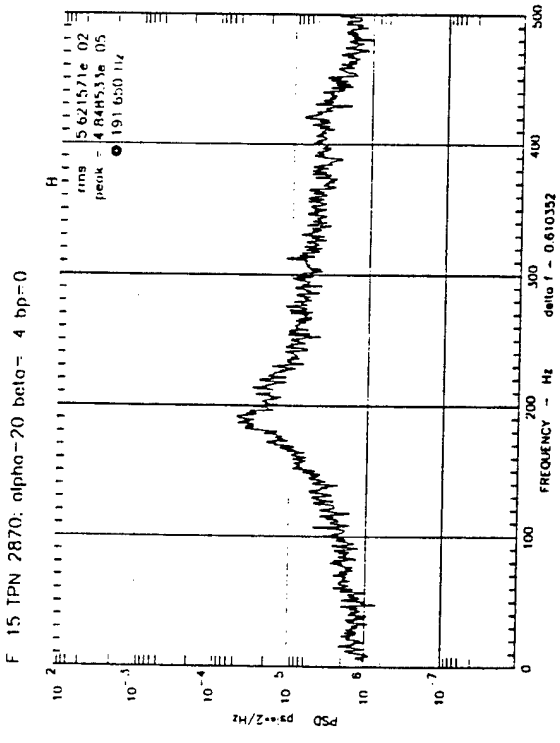

F-15 TPN 2868: alpha=16 beta=-4 bp=0
K
rms = 1.350422e 02
peak = 3.841079e 06
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

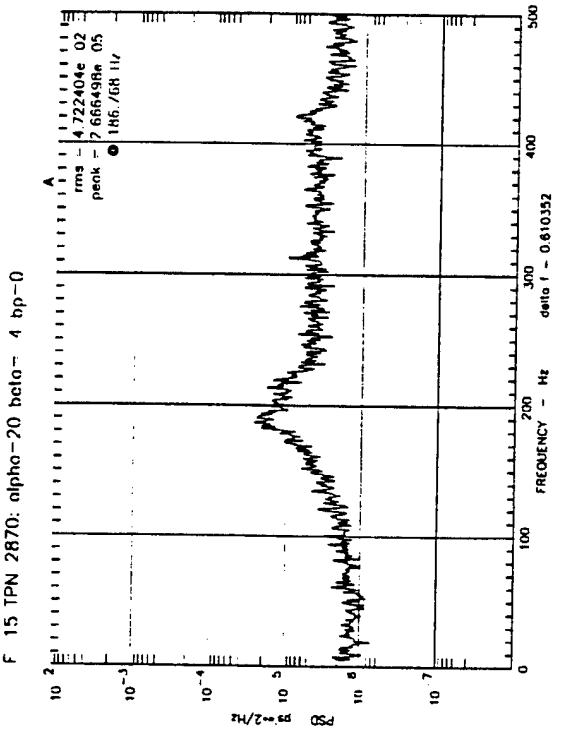

F 15 TPN 2868: alpha=16 beta= 4 bp=0
J
rms = 7.547352e 03
peak = 7.908849e 07
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

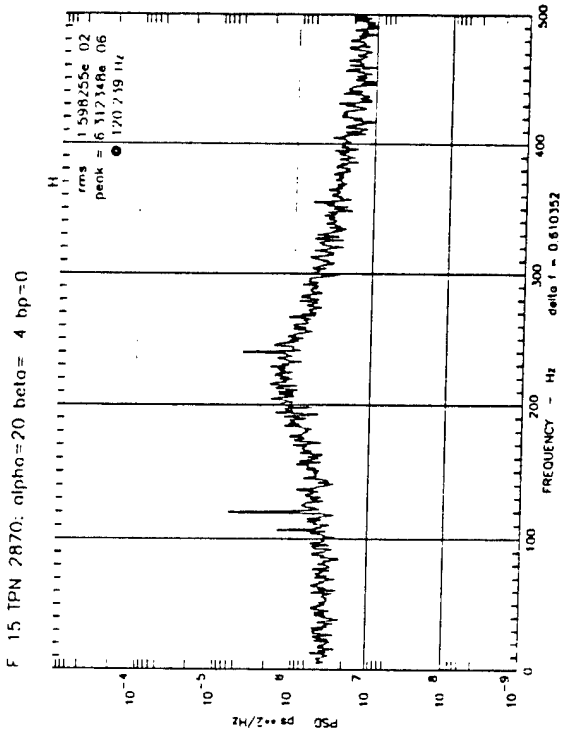

F-15 TPN 2868: alpha=16 beta=-4 bp=0
I
rms = 1.328350e 02
peak = 1.206394e 06
@ 106.812 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

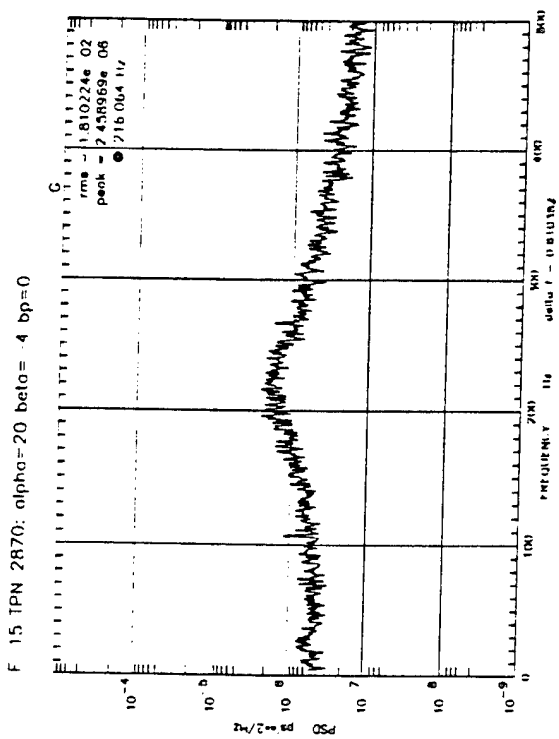

F 15 TPN 2870: alpha=20 beta= 4 bp=0
D
rms = 2.233146e 02
peak = 8.828702e 06
@ 199.185 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

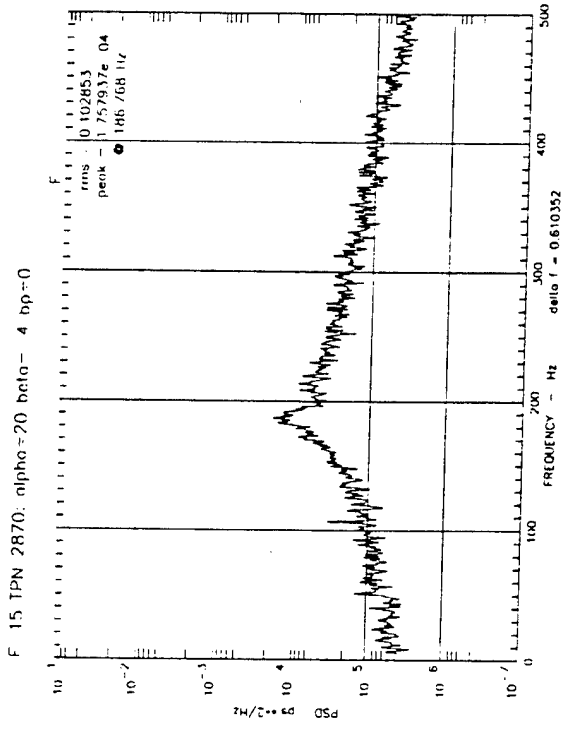

F 15 TPN 2870: alpha=20 beta= 4 bp=0
C
rms = 5.152994e 02
peak = 5.002178e 05
@ 186.768 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

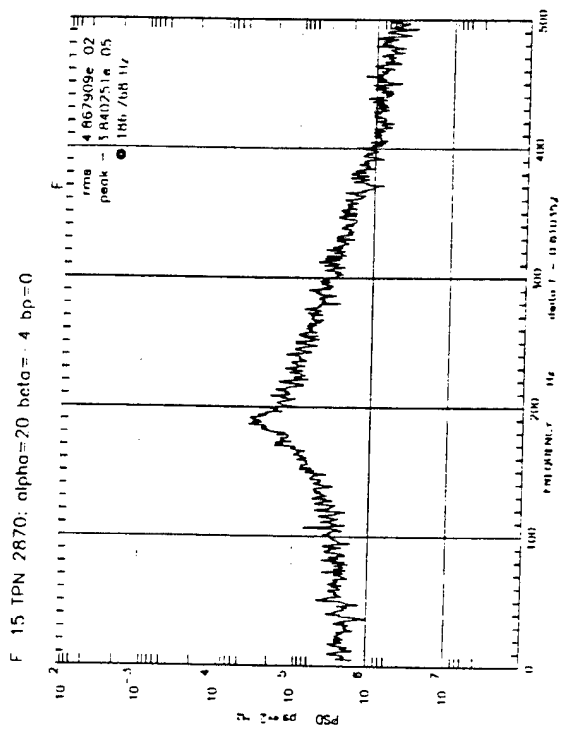

F 15 TPN 2870: alpha=20 beta= 4 bp=0
H
rms = 5.621571e 02
peak = 4.844533e 05
@ 191.650 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2870: alpha=20 beta= 4 bp=0
A
rms = 4.722404e 02
peak = 7.666498e 05
@ 186.768 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

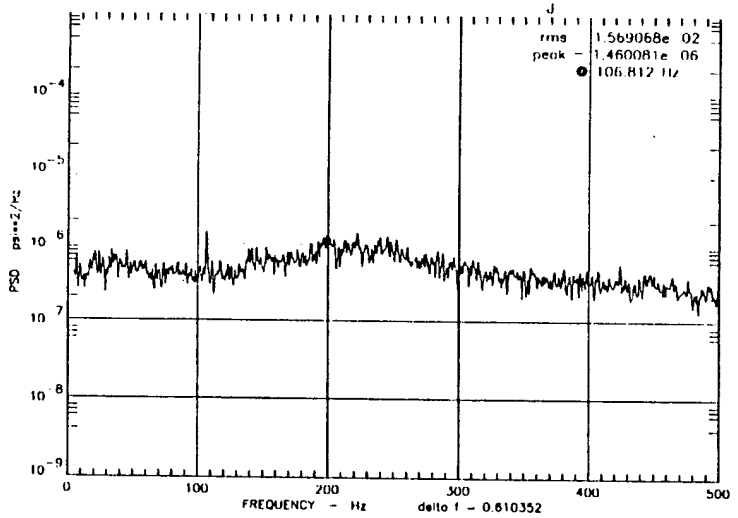

F 15 TPN 2870: alpha=20 beta= 4 bp=0
H
rms = 1.598255e 02
peak = 6.312348e 06
@ 120.719 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2870: alpha=20 beta= 4 bp=0
G
rms = 1.810224e 02
peak = 2.458969e 06
@ 216.064 Hz

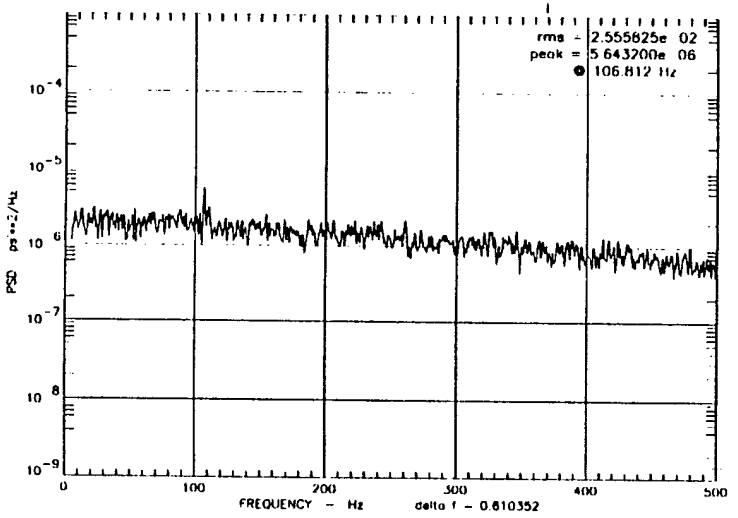

F 15 TPN 2870: alpha=20 beta= 4 bp=0
F
rms = 0.102853
peak = 1.757937e 04
@ 186.768 Hz
PSD p9 **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2870: alpha=20 beta= 4 bp=0
F
rms = 4.867909e 02
peak = 1.840251e 05
@ 186.768 Hz

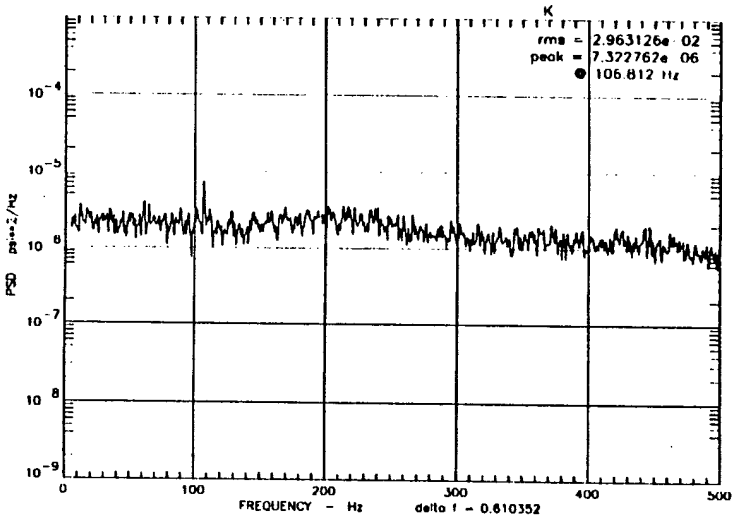
F 15 TPN 2870: alpha=20 beta= 4 bp=0



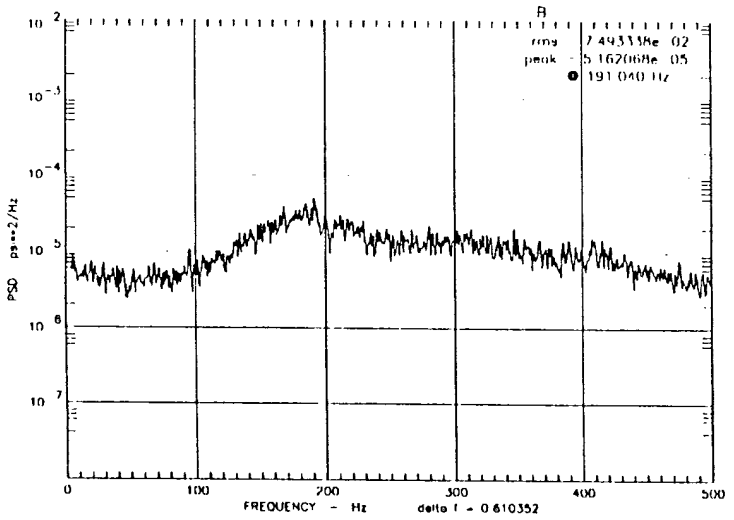
F 15 TPN 2870: alpha=20 beta= 4 bp=0



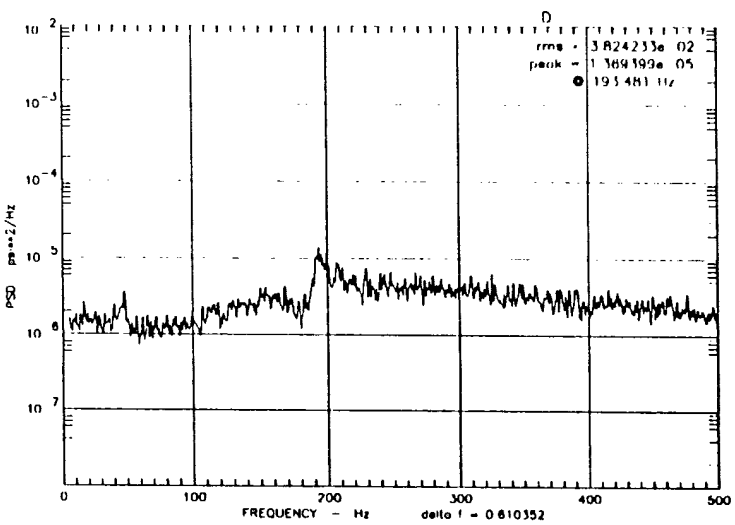
F 15 TPN 2870: alpha=20 beta= 4 bp=0



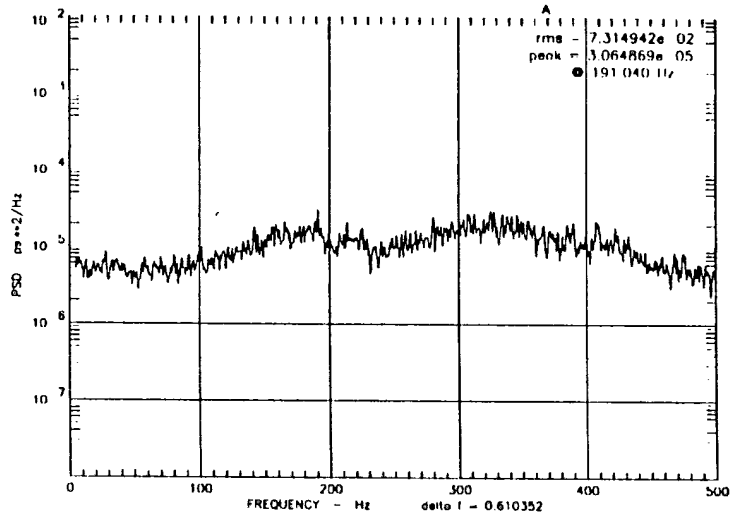
F 15 TPN 2872: alpha=24 beta= 4 bp=0



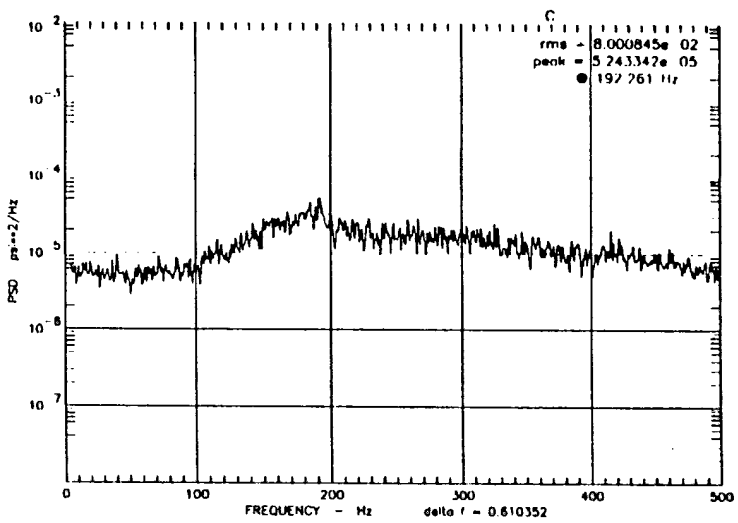
F 15 TPN 2872: alpha=24 beta= 4 bp=0



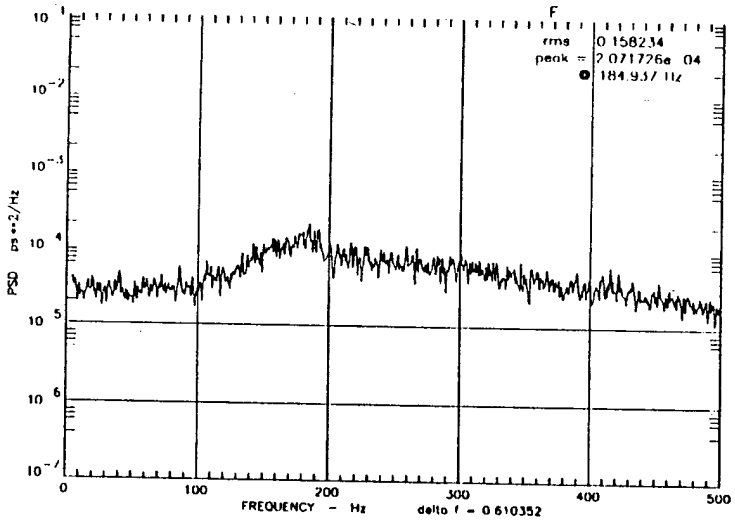
F 15 TPN 2872: alpha=24 beta= 4 bp=0



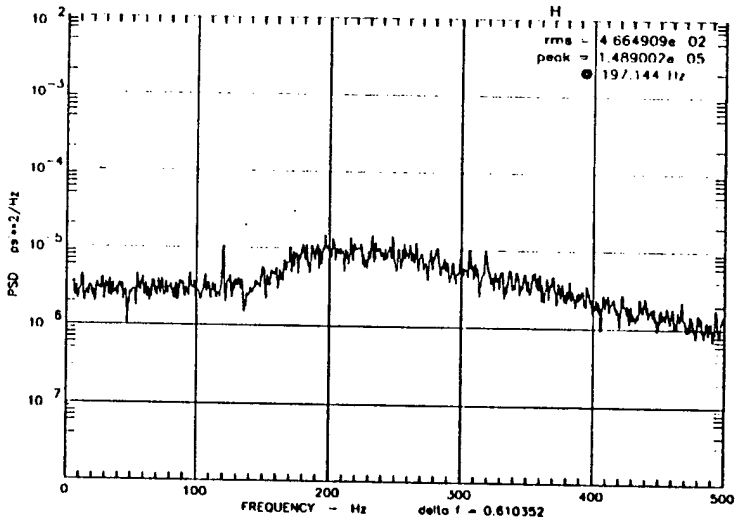
F 15 TPN 2872: alpha=24 beta= 4 bp=0



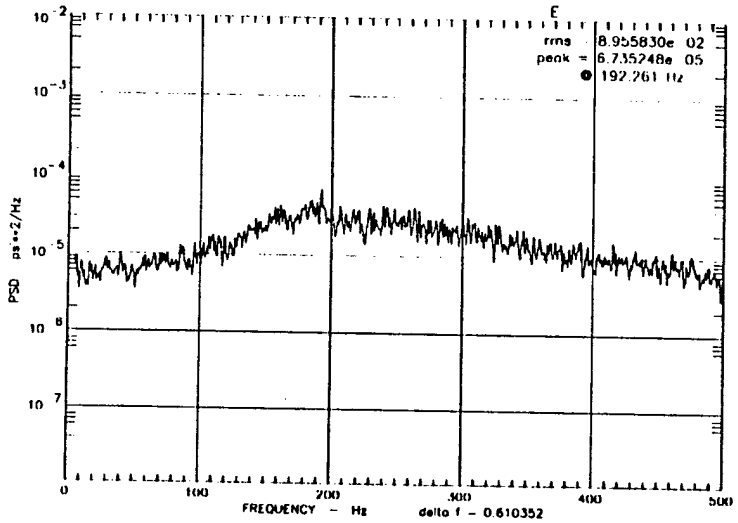
F 15 TPN 2872: alpha=24 beta= 4 bp=0



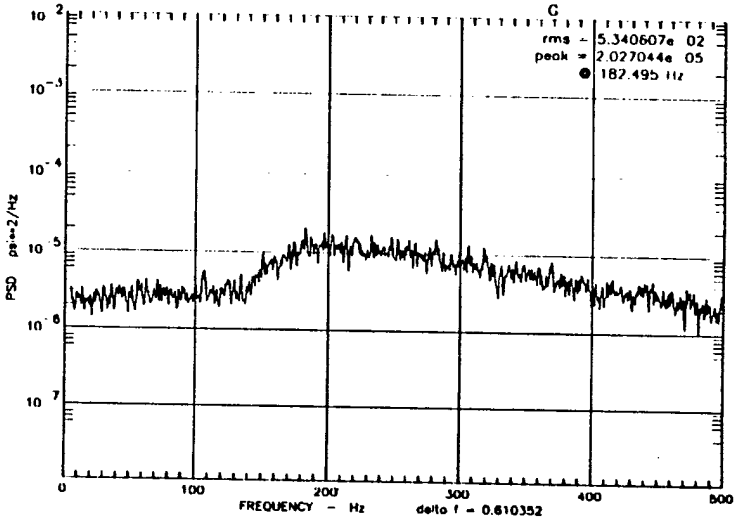
F 15 TPN 2872: alpha=24 beta= -4 bp=0

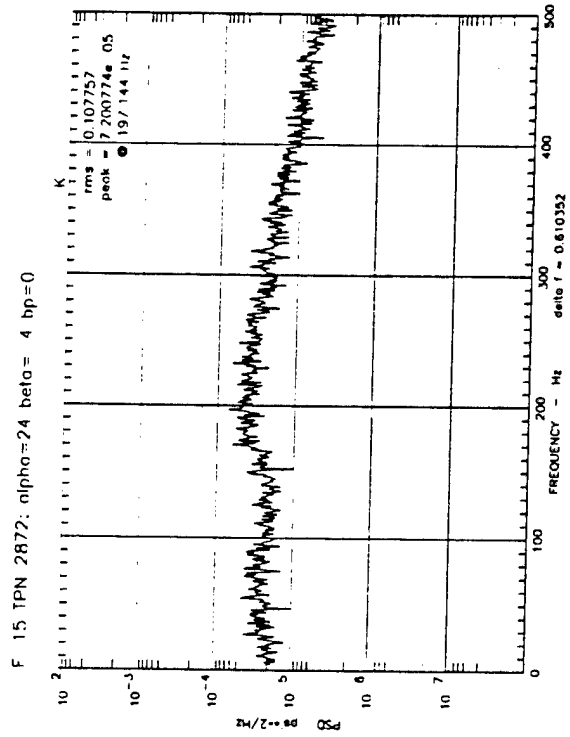


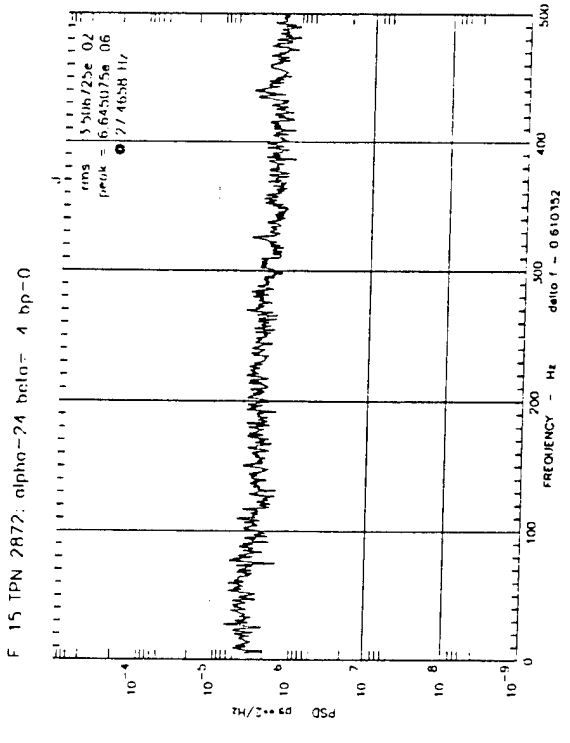
F 15 TPN 2872: alpha=24 beta= 4 bp=0

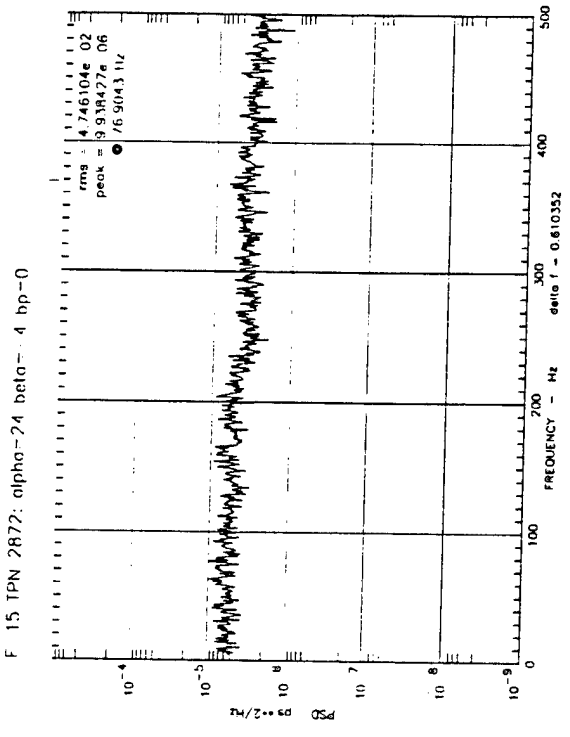


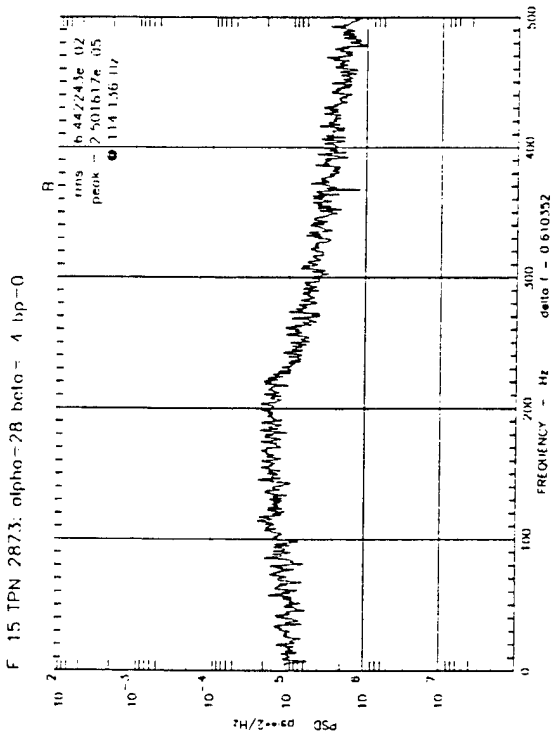
F 15 TPN 2872: alpha=24 beta= 4 bp=0

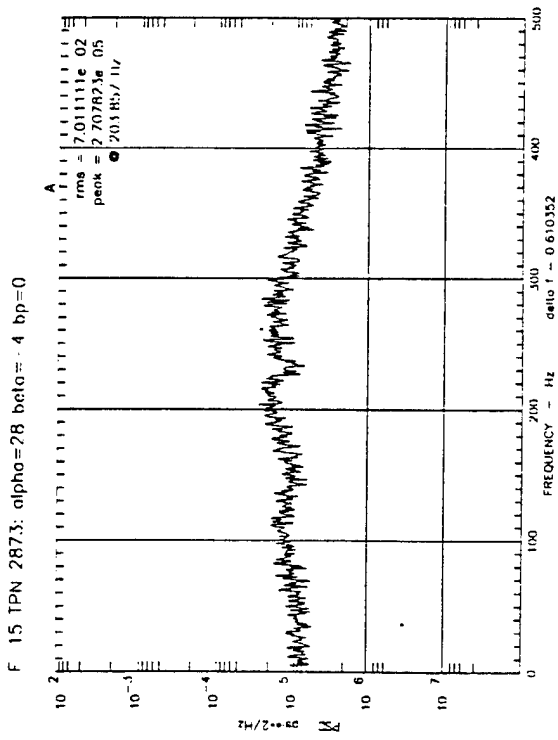


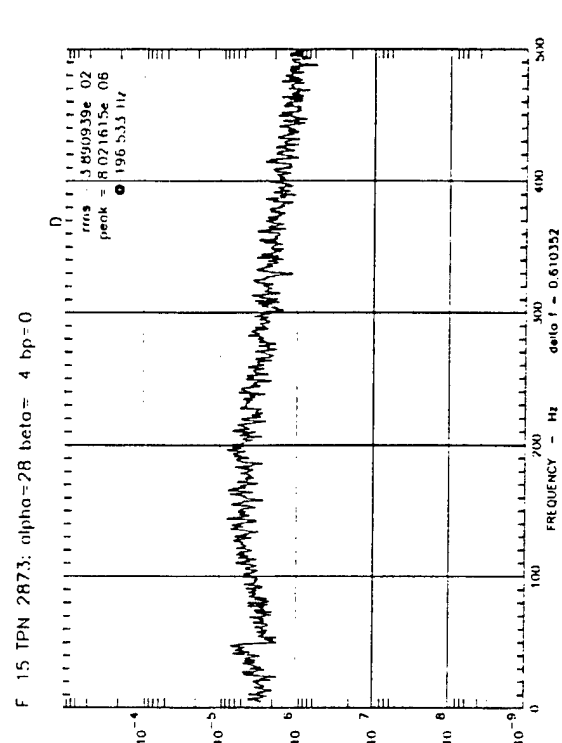

F 15 TPN 2872: alpha=24 beta= 4 bp=0
rms = 0.107757
peak = 7.200774e 05
@ 19.144 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

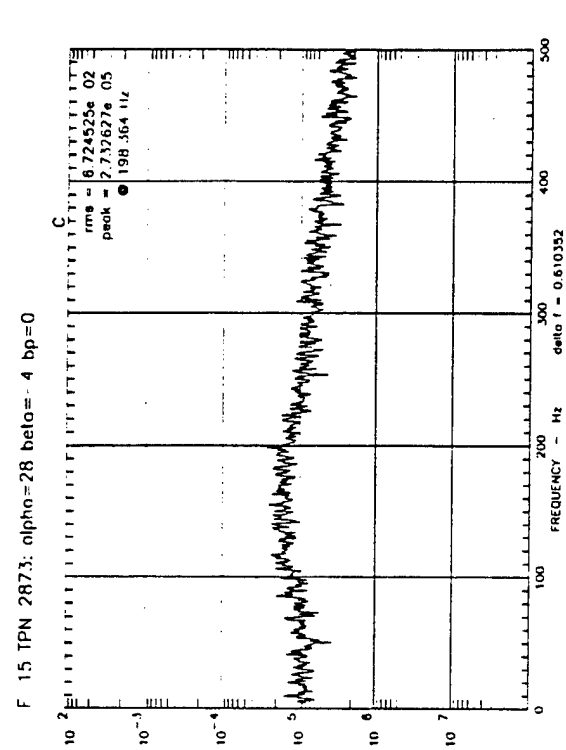

F 15 TPN 2872: alpha=24 beta= 4 bp=0
rms = 5.506725e 02
peak = 6.645075e 06
@ 77.4658 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

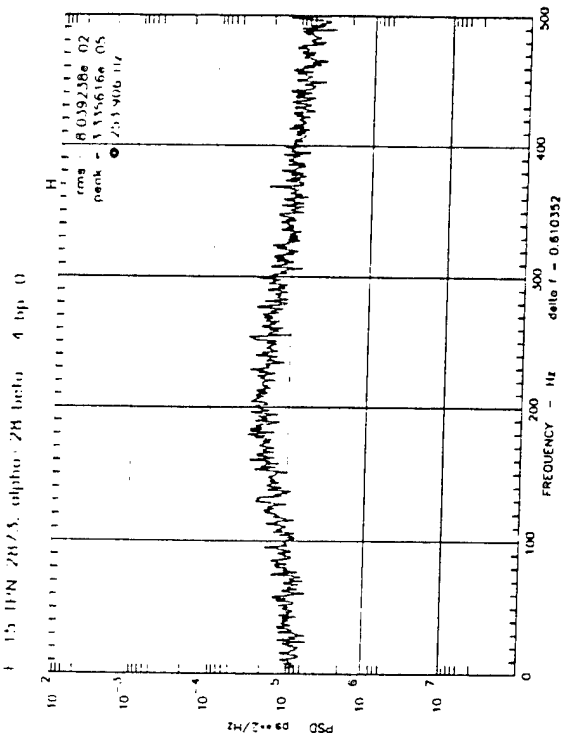

F 15 TPN 2872: alpha=24 beta= 4 bp=0
rms = 4.746104e 02
peak = 9.938477e 06
@ 76.9043 Hz
PSD p3 **2/Hz
FREQUENCY - Hz
delta f = 0.610352

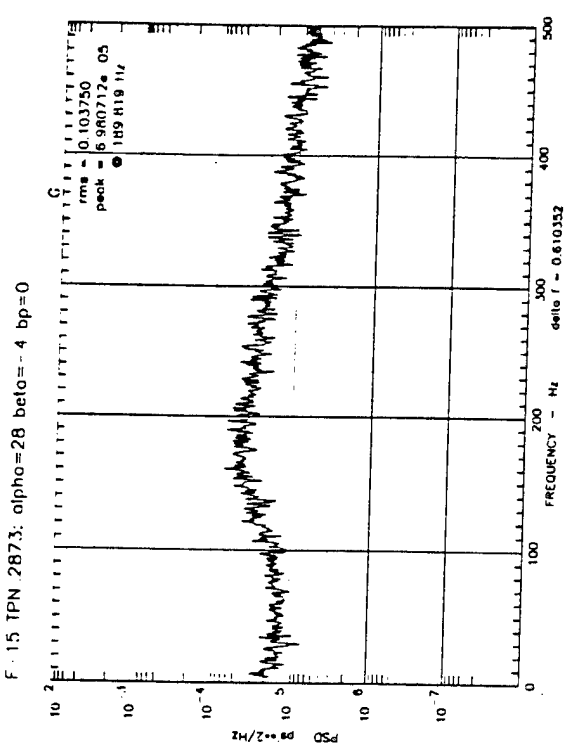

F 15 TPN 2873: alpha=28 beta= 4 bp=0
B
rms = 6.442243e 02
peak = 2.501617e 05
@ 114.136 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

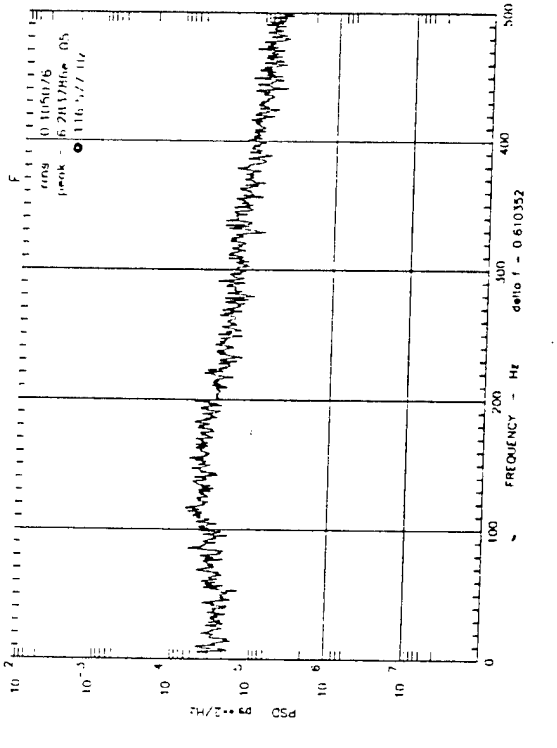

F 15 TPN 2873: alpha=28 beta= 4 bp=0
A
rms = 7.011111e 02
peak = 2.707823e 05
@ 201.843 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

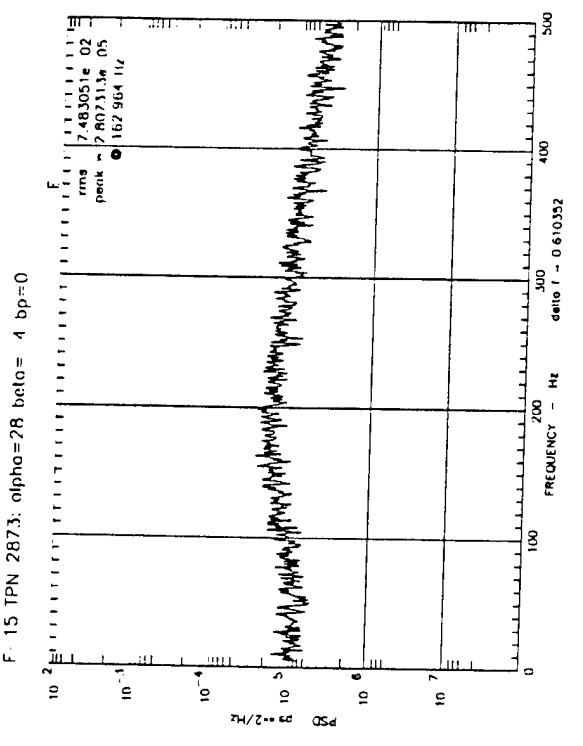

F 15 TPN 2873: alpha=28 beta= 4 bp=0
D
rms = 3.890939e 02
peak = 8.021615e 06
@ 196.533 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

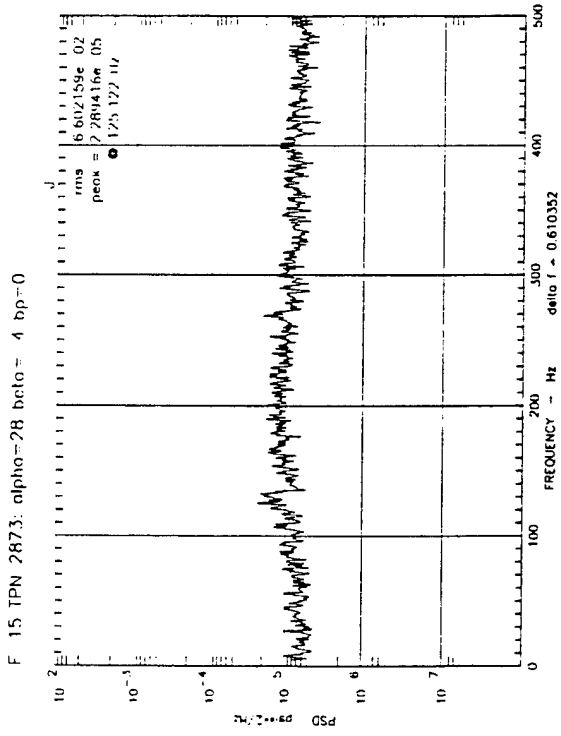

F 15 TPN 2873: alpha=28 beta= 4 bp=0
C
rms = 6.724525e 02
peak = 2.732627e 05
@ 198.364 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

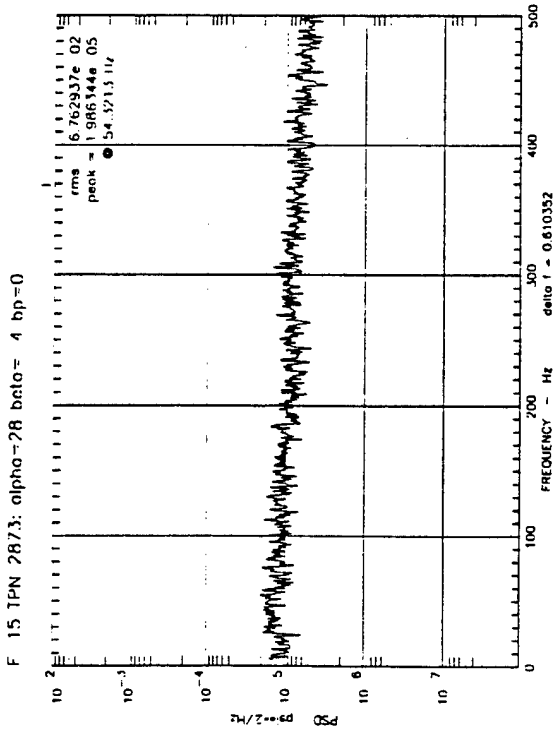

F 15 TPN 2873: alpha=28 beta= 4 bp=0
PSD
FREQUENCY - Hz
delta f = 0.610352

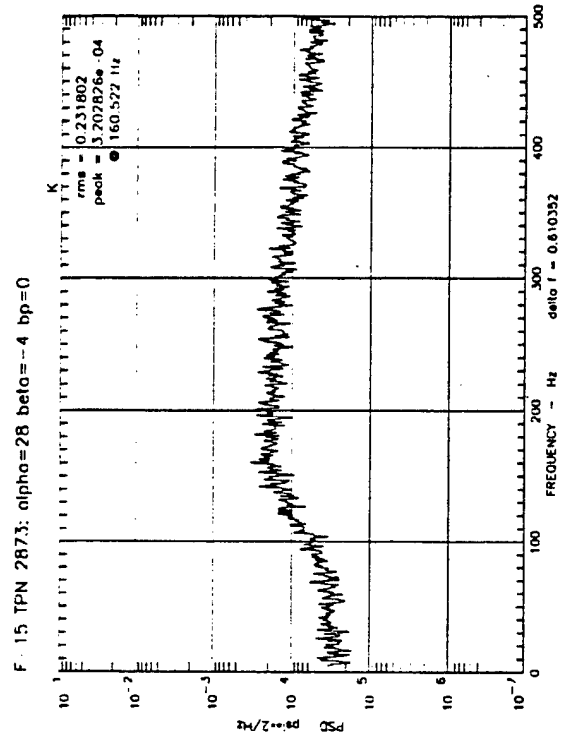

F 15 TPN 2873: alpha=28 beta=- 4 bp=0
PSD
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2873: alpha=28 beta= 4 bp=0
PSD
FREQUENCY - Hz
delta f = 0.610352

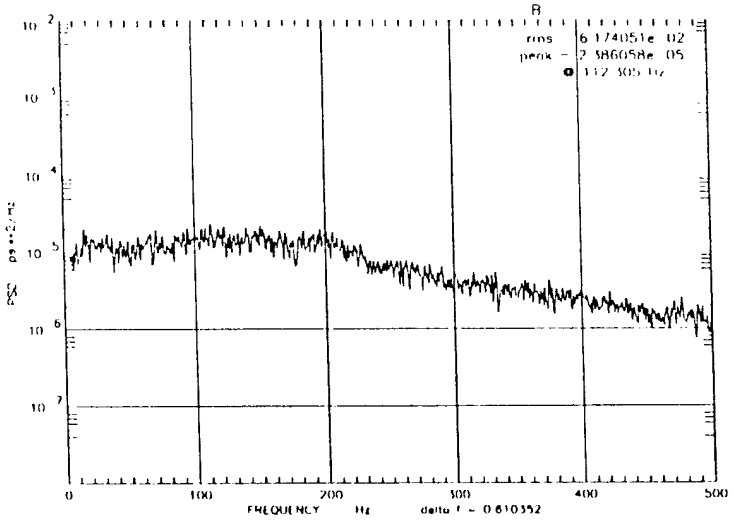

F 15 TPN 2873: alpha=28 beta=- 4 bp=0
PSD
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2873: alpha=28 beta= 4 bp=0
rms = 6.802159e 02
peak = 7.284186e 05
@ 125.122 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

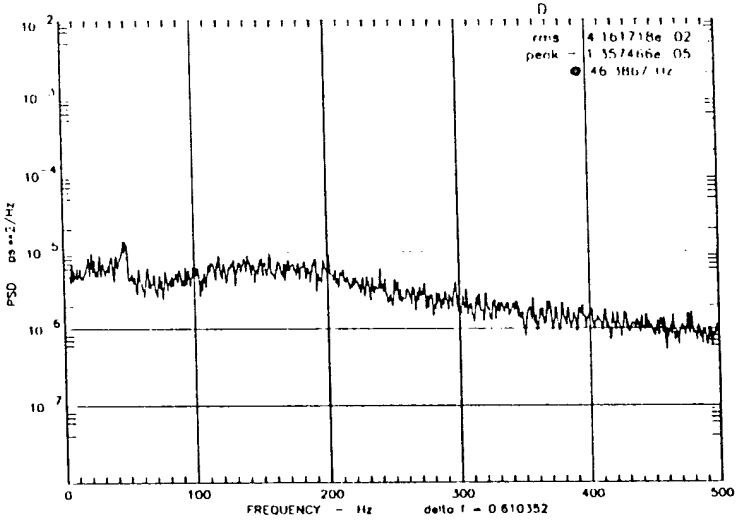

F 15 TPN 2873: alpha=28 beta= 4 bp=0
rms = 6.762937e 02
peak = 1.986144e 05
@ 54.321.5 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2873: alpha=28 beta=-4 bp=0
rms = 0.231802
peak = 3.202826e-04
@ 160.522 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

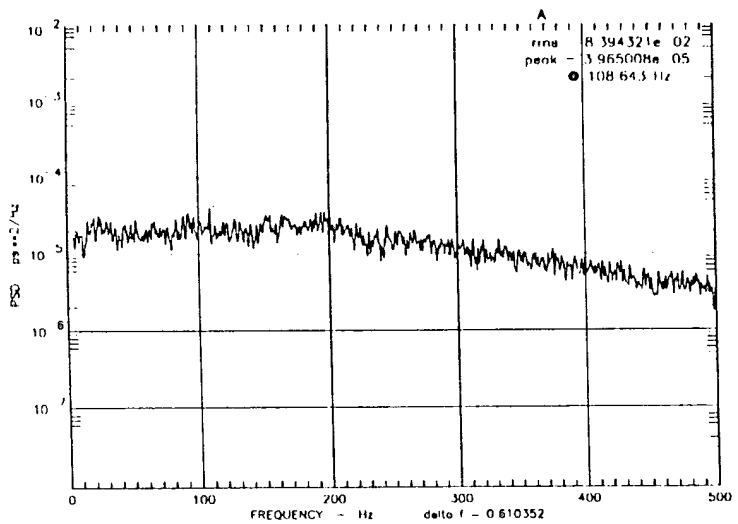
F 15 TPN 2874: alpha=32 beta= 4 bp=0



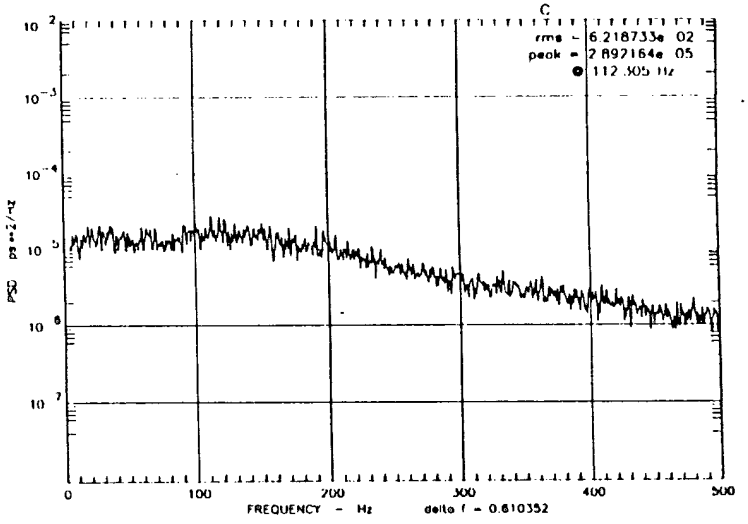
F 15 TPN 2874: alpha=32 beta= 4 bp=0

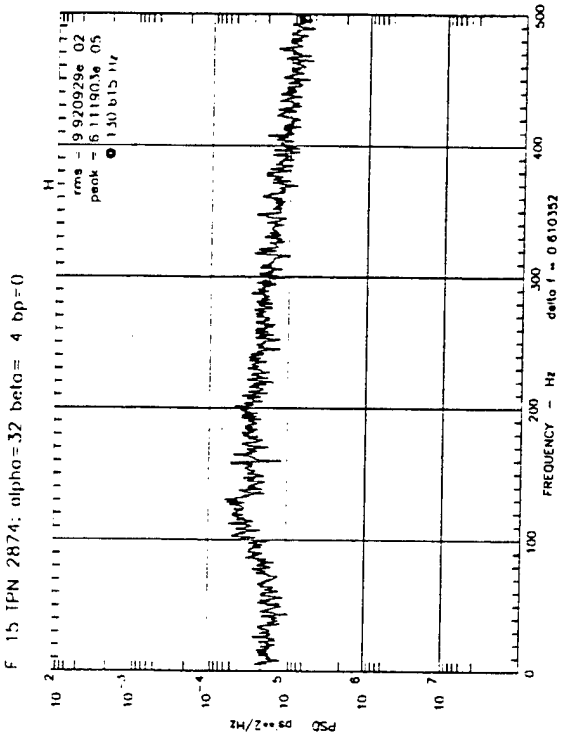


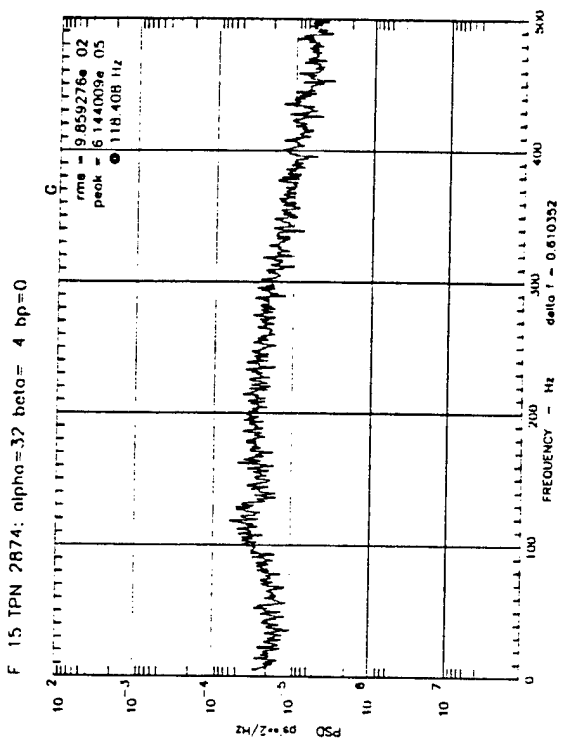
F 15 TPN 2874: alpha=32 beta= 4 bp=0

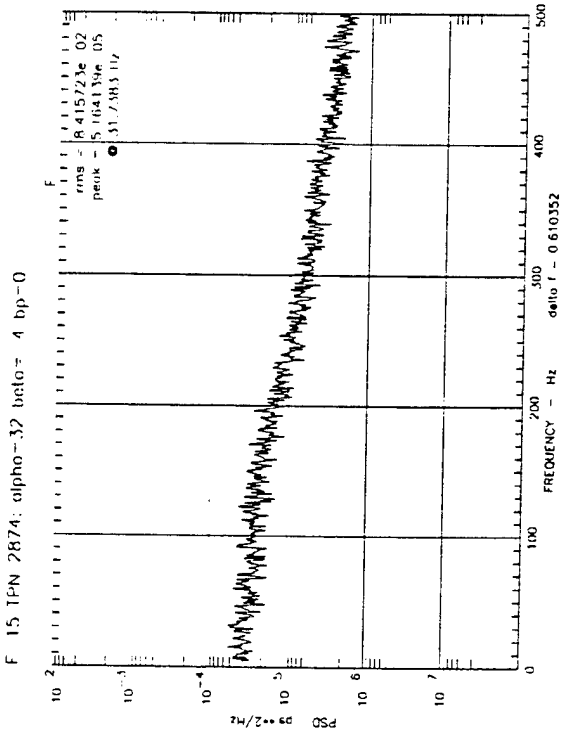


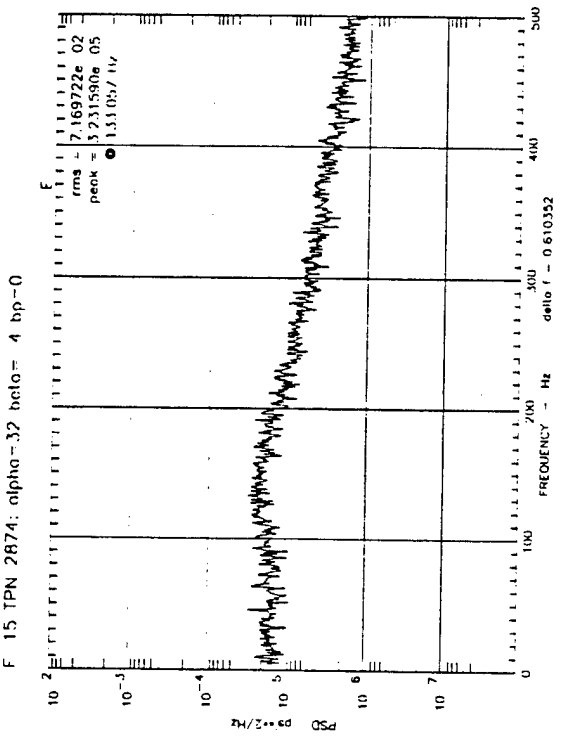
F 15 TPN 2874: alpha=32 beta= 4 bp=0



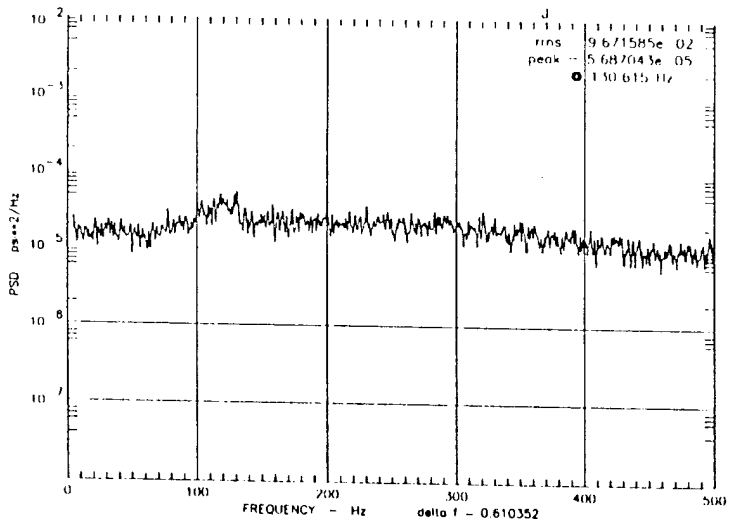

F 15 TPN 2874: alpha=32 beta= 4 bp=0
H
rms = 9.920929e 02
peak = 6.119038e 05
@ 130.615 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2874: alpha=32 beta= 4 bp=0
G
rms = 9.859276e 02
peak = 6.144009e 05
@ 118.408 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

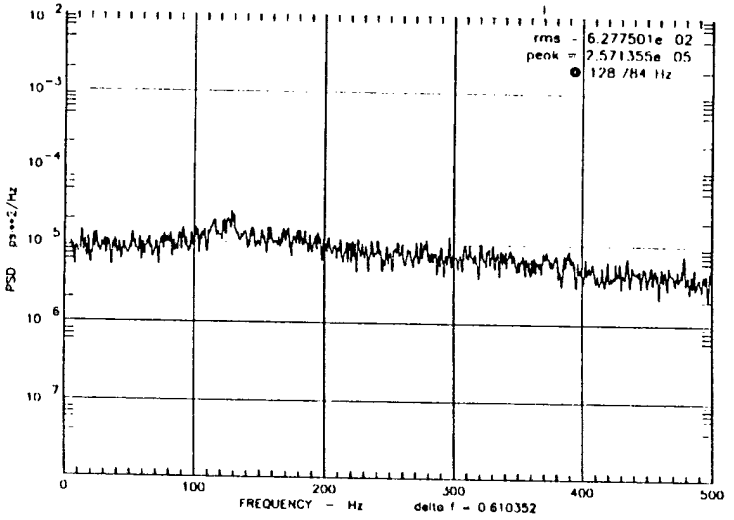

F 15 TPN 2874: alpha=32 beta= 4 bp=0
F
rms = 8.415723e 02
peak = 5.164134e 05
@ 131.738 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2874: alpha=32 beta= 4 bp=0
F
rms = 7.169722e 02
peak = 5.231590e 05
@ 133.057 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

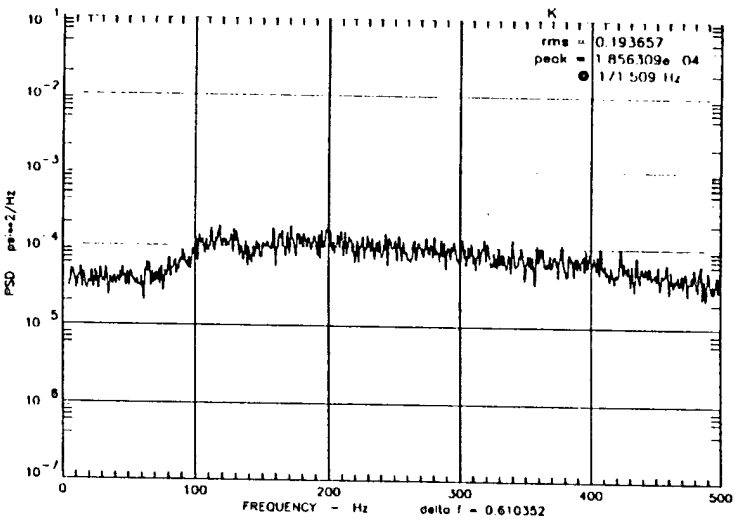
F 15 TPN 2874; alpha=32 beta= 4 bp=0

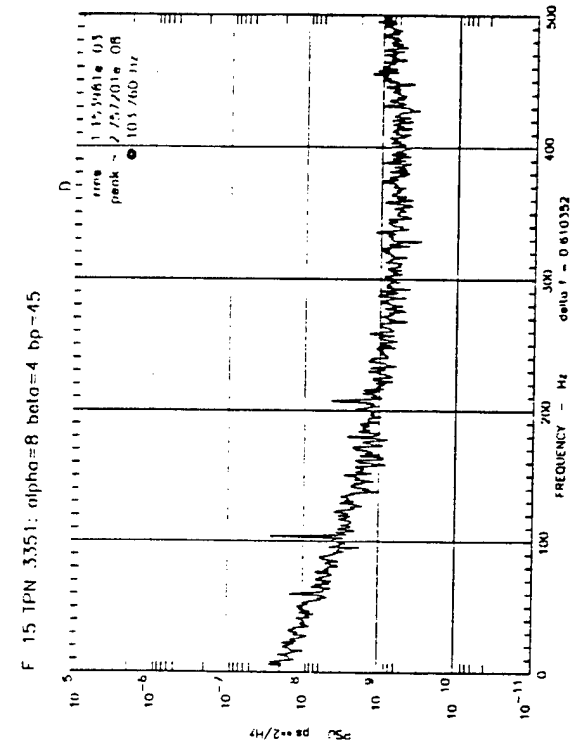


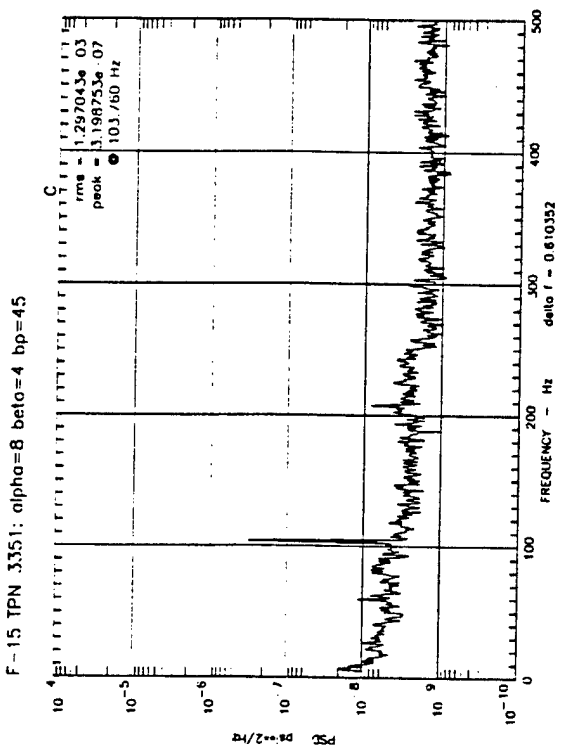
F 15 TPN 2874; alpha=32 beta= 4 bp=0

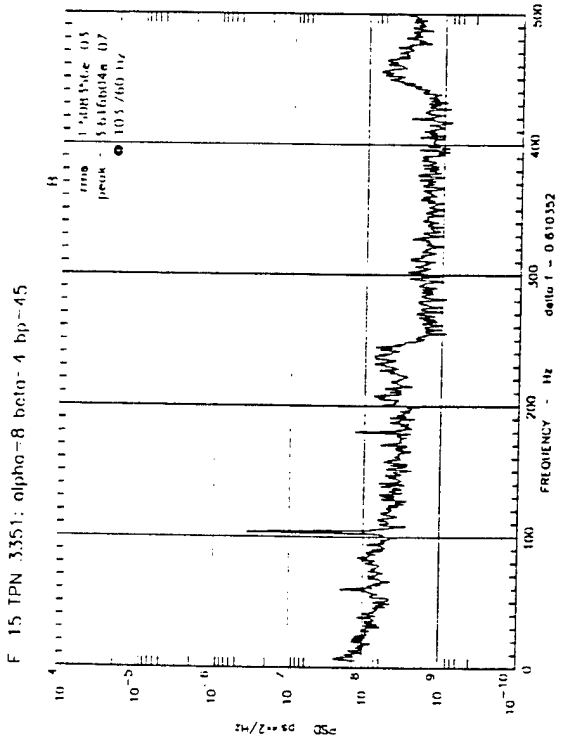


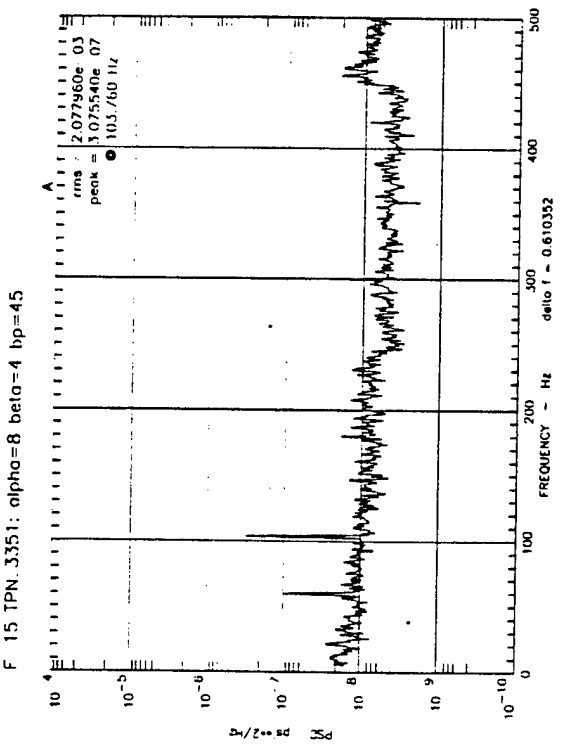
F 15 TPN 2874; alpha=32 beta= 4 bp=0

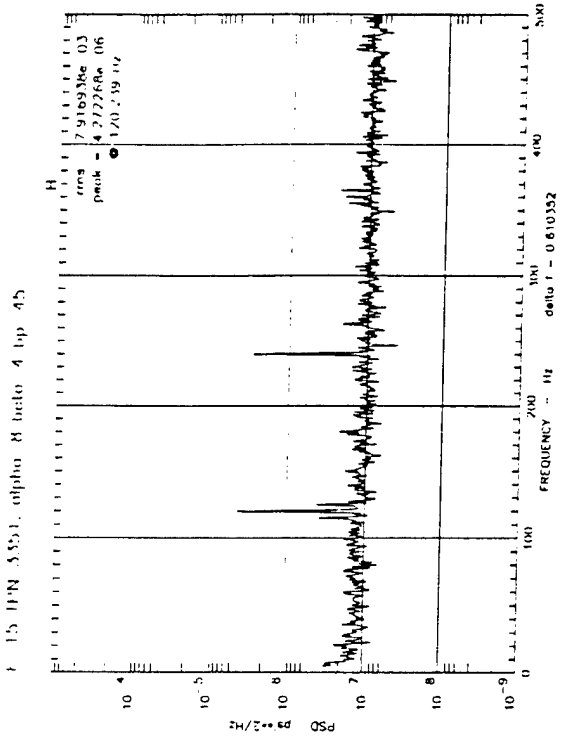


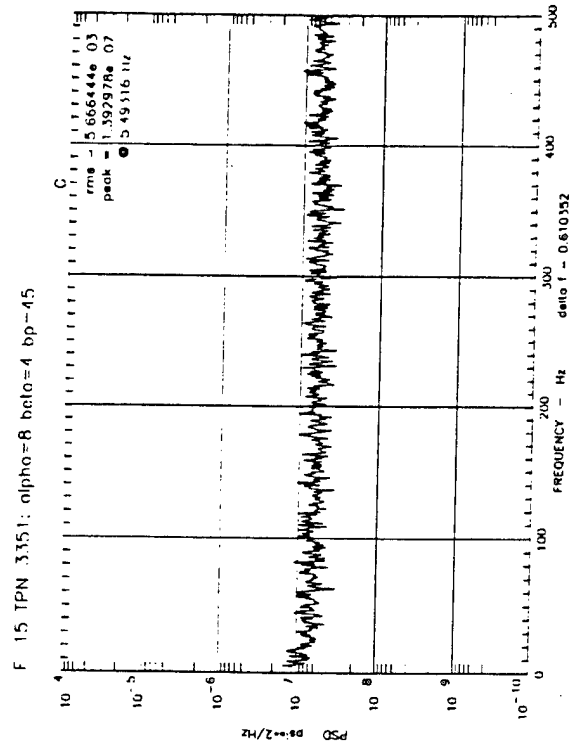

F 15 TPN 3351: alpha=8 beta=4 bp=45
D
rms = 1.153681e 05
peak = 2.757701e 08
@ 105.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

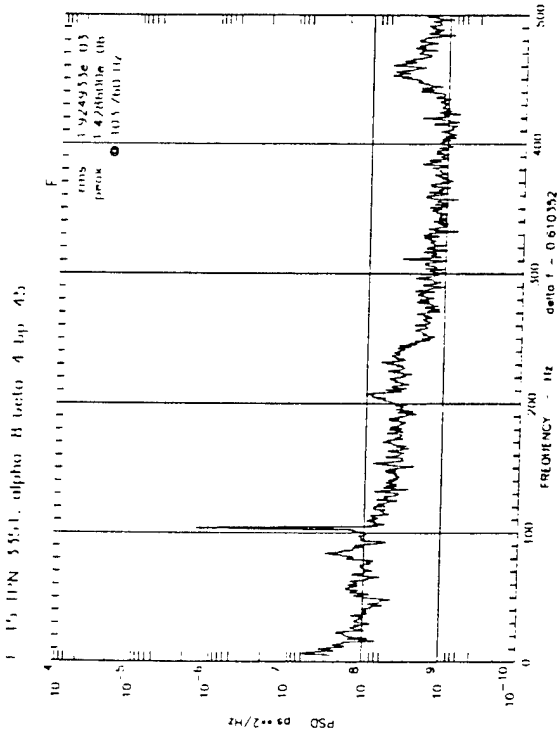

F-15 TPN 3351: alpha=8 beta=4 bp=45
C
rms = 1.297043e 03
peak = 3.198753e 07
@ 105.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

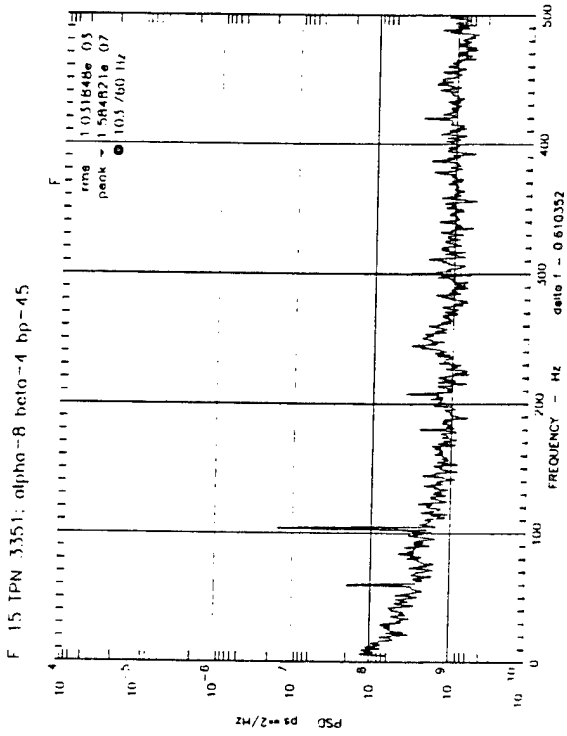

F 15 TPN 3351: alpha=8 beta=4 bp=45
H
rms = 1.408354e 05
peak = 5.616014e 07
@ 105.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

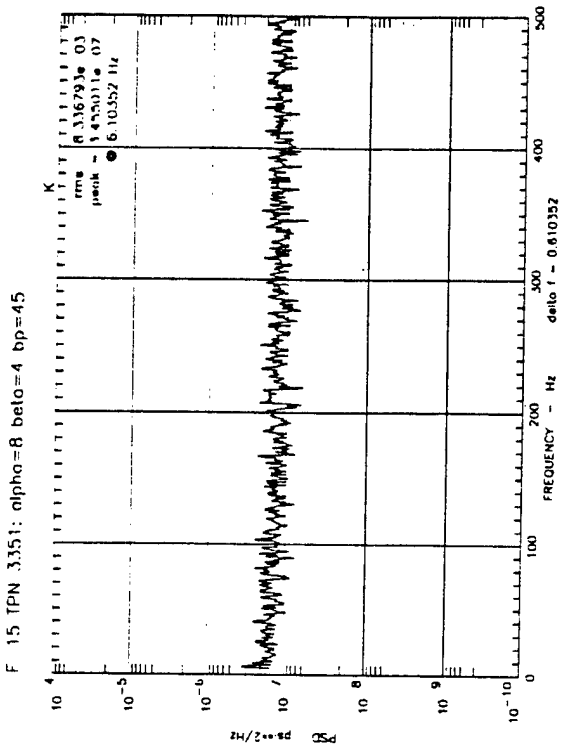

F 15 TPN 3351: alpha=8 beta=4 bp=45
A
rms = 2.077960e 03
peak = 5.075540e 07
@ 105.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

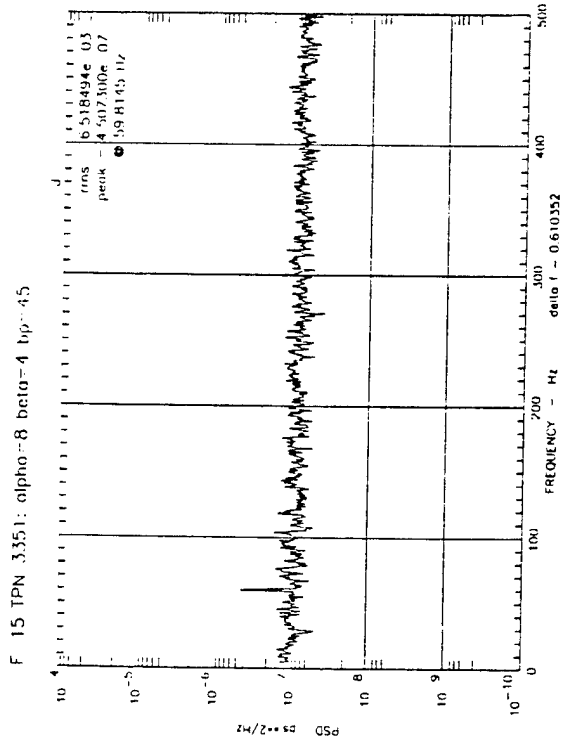

F 15 TPN 3351: alpha=8 beta=4 bp=45
H
rms = 7.916938e 03
peak = 4.277268e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

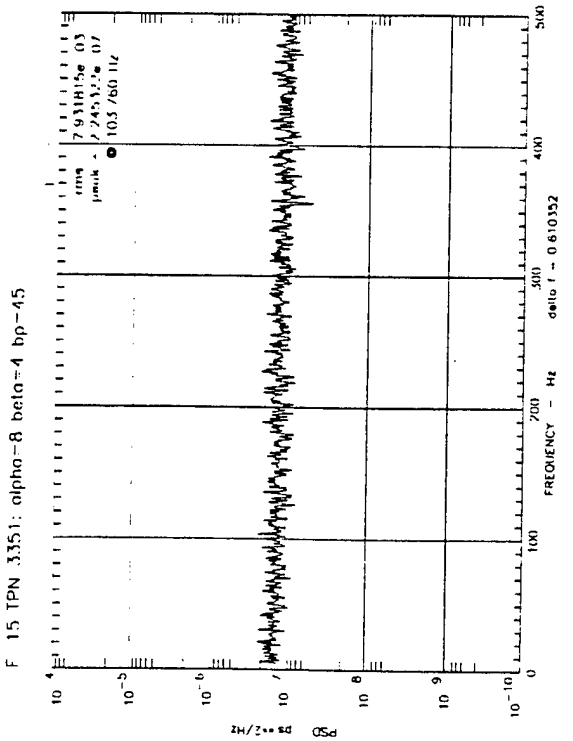

F 15 TPN 3351: alpha=8 beta=4 bp=45
C
rms = 5.666444e 03
peak = 1.392978e 07
@ 3.49316 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

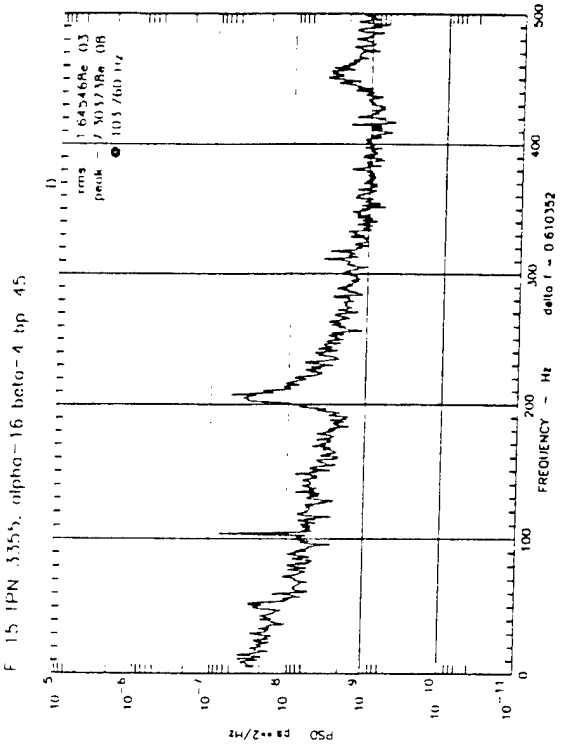

F 15 TPN 3351: alpha=8 beta=4 bp=45
F
rms = 1.924953e 03
peak = 1.428888e 06
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

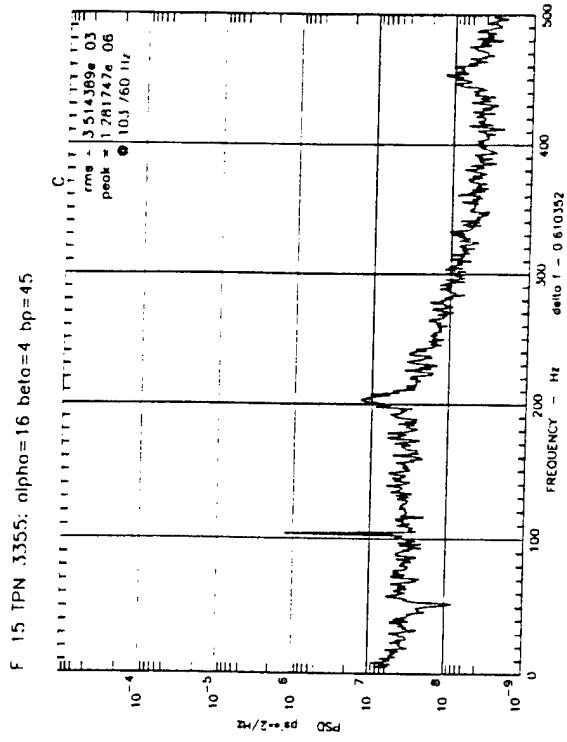

F 15 TPN 3351: alpha=8 beta=4 bp=45
F
rms = 1.031848e 03
peak = 1.584821e 07
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

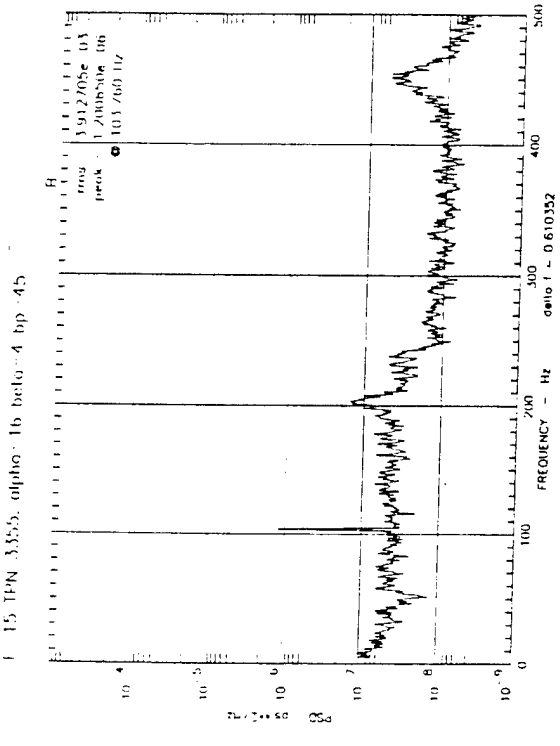

F 15 TPN 3351: alpha=8 beta=4 bp=45
K
rms = 8.336793e 03
peak = 1.455011e 07
@ 6.10352 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

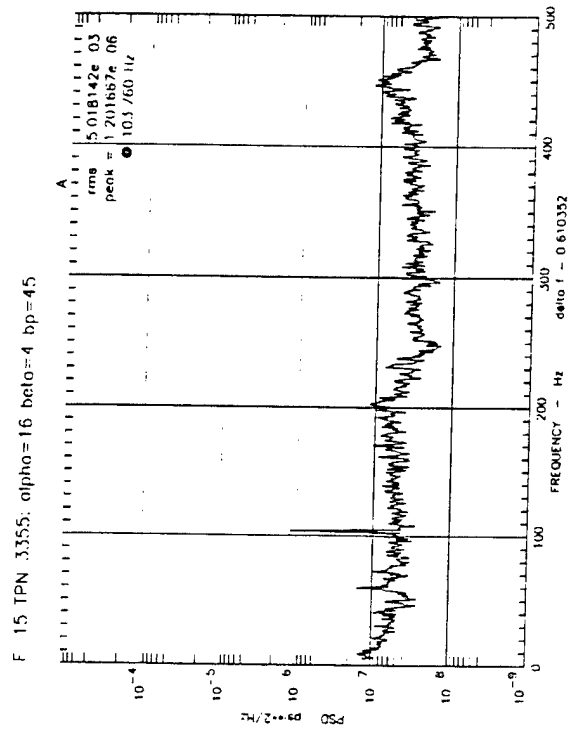

F 15 TPN 3351: alpha=8 beta=4 bp=45
J
rms = 6.518494e 03
peak = 4.507300e 07
@ 59.8145 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

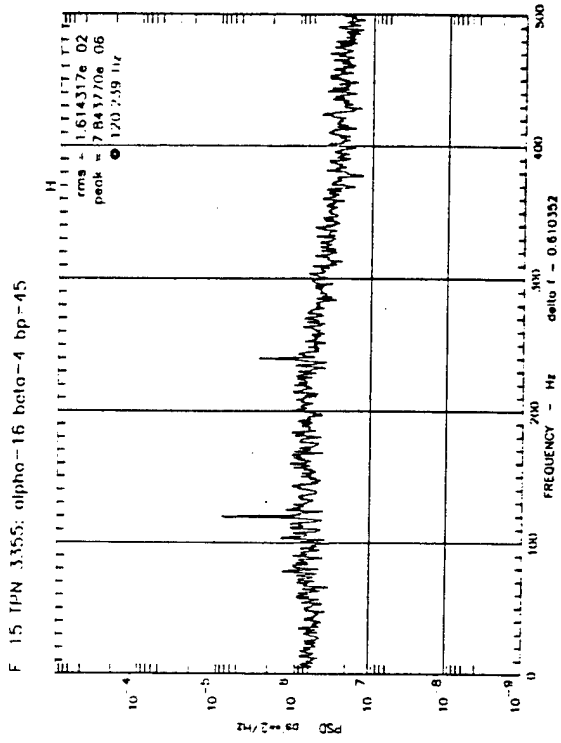

F 15 TPN 3351: alpha=8 beta=4 bp=45
I
rms = 7.931815e 03
peak = 2.245322e 07
@ 10.5 760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

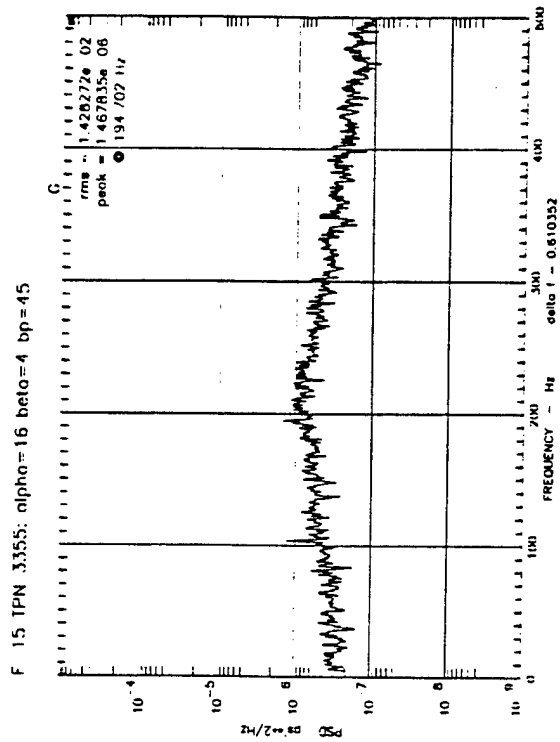

F 15 TPN 3355: alpha=16 beta=4 bp=45
D
rms = 1.645468e 03
peak = 7.301718e 08
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

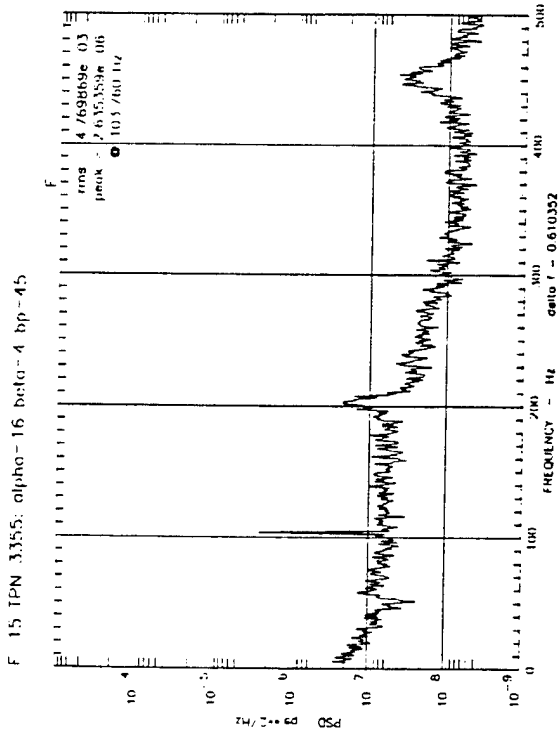

F 15 TPN 3355: alpha=16 beta=4 bp=45
C
rms = 3.514389e 03
peak = 1.281747e 08
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

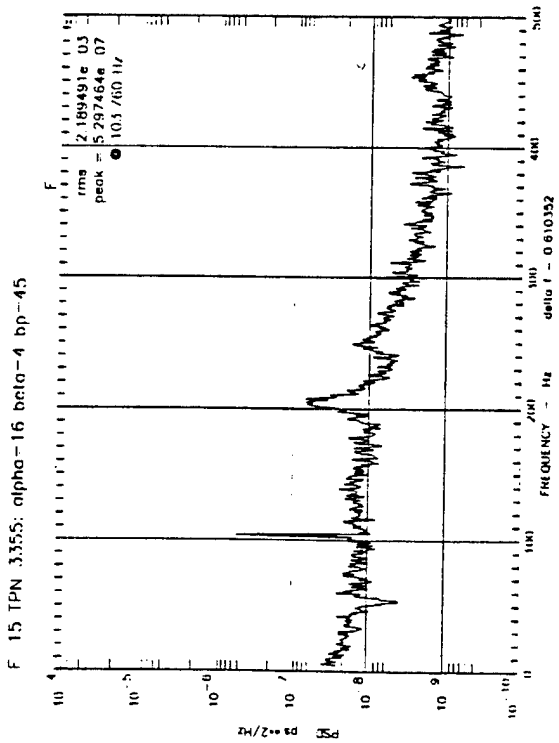

F 15 TPN 3355: alpha=16 beta=4 bp=45
B
rms = 3.912705e 03
peak = 1.208958e 08
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

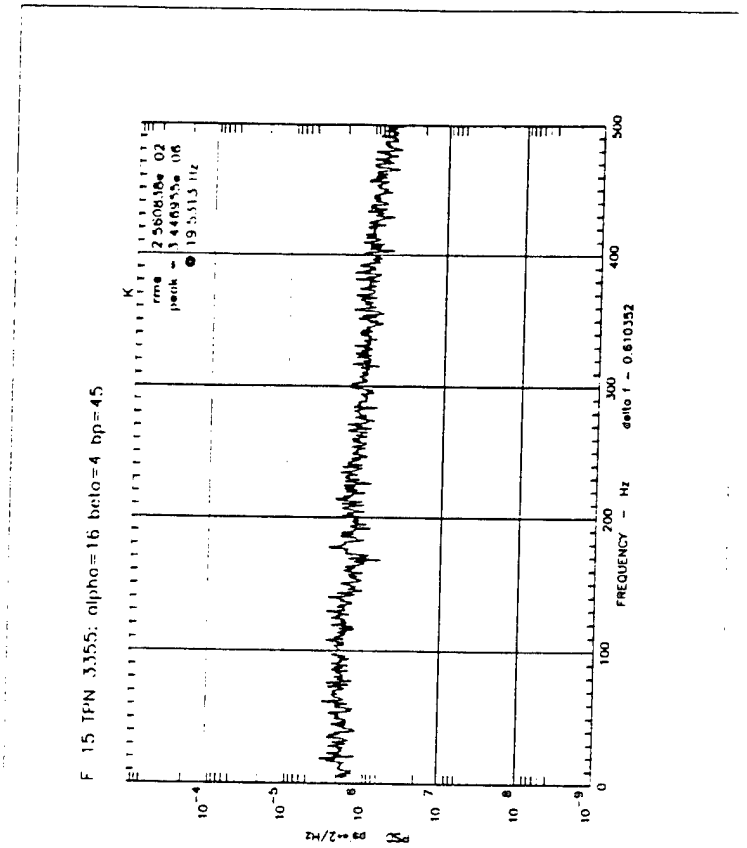

F 15 TPN 3355: alpha=16 beta=4 bp=45
A
rms = 5.018142e 03
peak = 1.201667e 06
@ 103.760 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

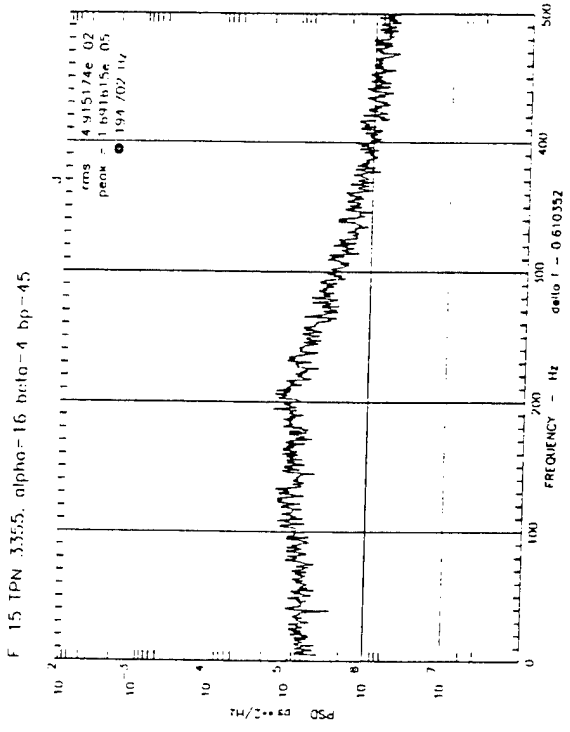

F 15 TPN 3355: alpha=16 beta=4 bp=45
H
rms = 1.614317e 02
peak = 7.841770e 06
@ 120.259 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

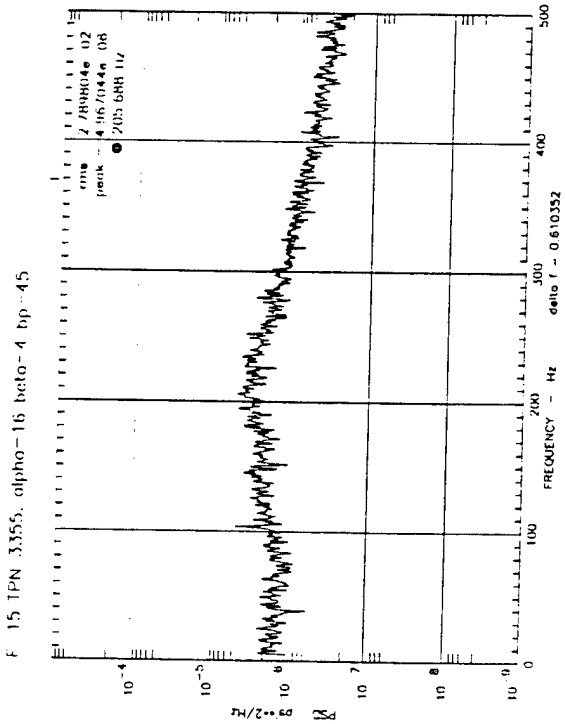

F 15 TPN 3355: alpha=16 beta=4 bp=45
G
rms = 1.420272e 02
peak = 1.467835e 06
@ 194.702 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

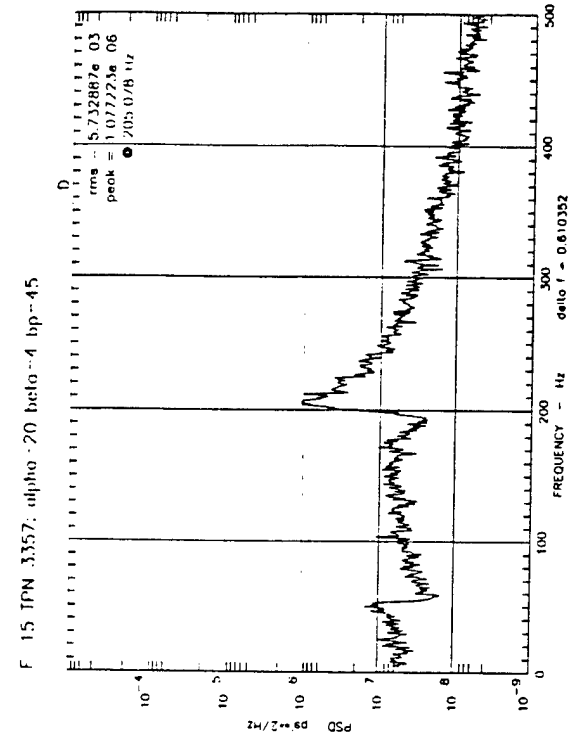

F 15 TPN 3355: alpha=16 beta=4 bp=45
F
rms = 4.698869e 03
peak = 2.615394e 06
@ 103.760 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

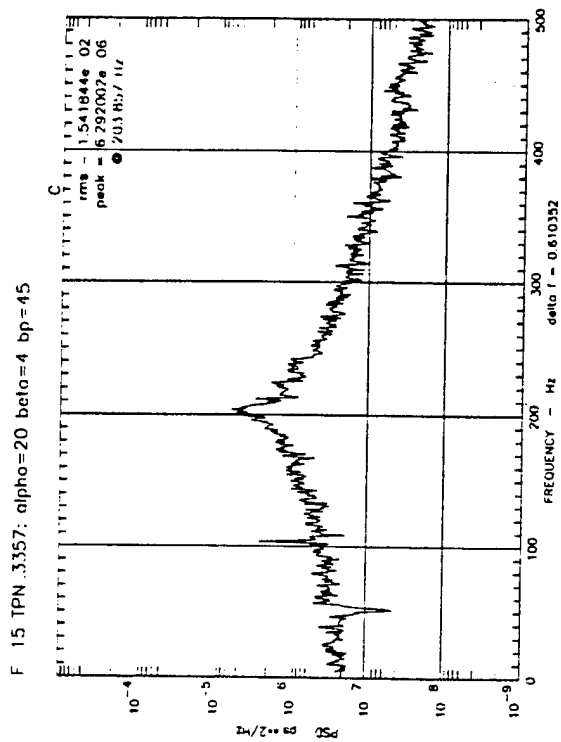

F 15 TPN 3355: alpha=16 beta=4 bp=45
F
rms = 2.189491e 03
peak = 5.297464e 07
@ 103.760 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

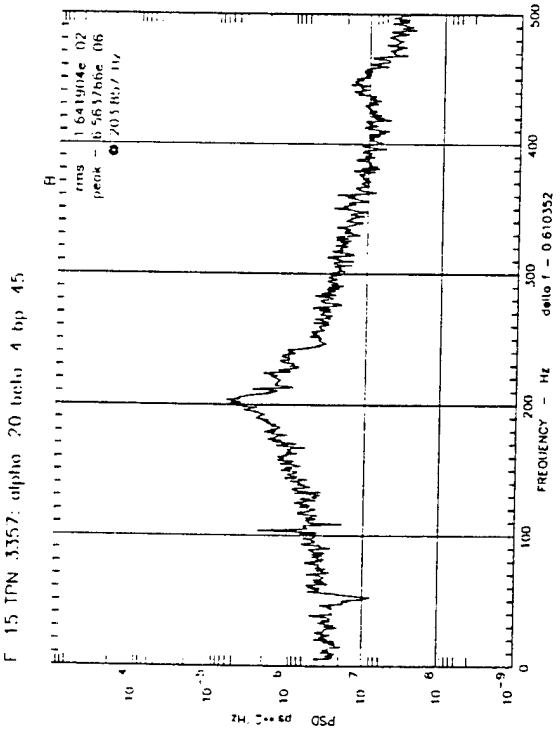

F 15 TPN 3355: alpha=16 beta=4 bp=45
FREQUENCY - Hz
delta f - 0.610352

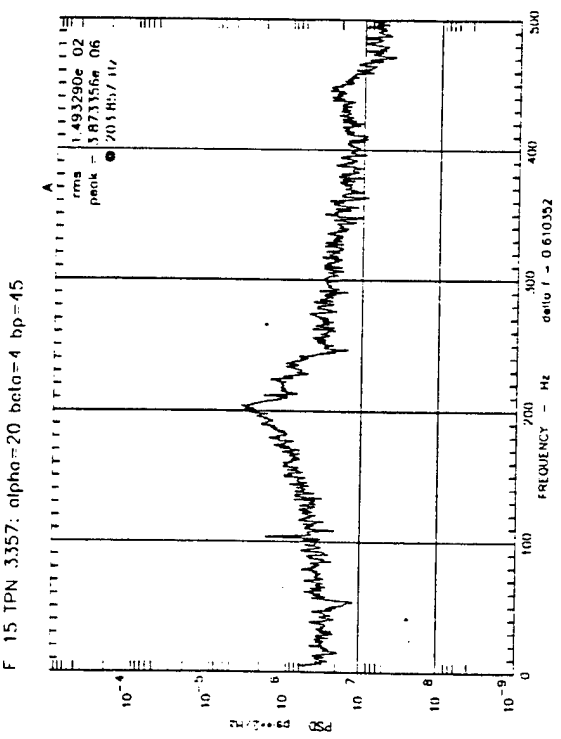

F 15 TPN 3355: alpha=16 beta=4 bp=45
FREQUENCY - Hz
delta f - 0.610352

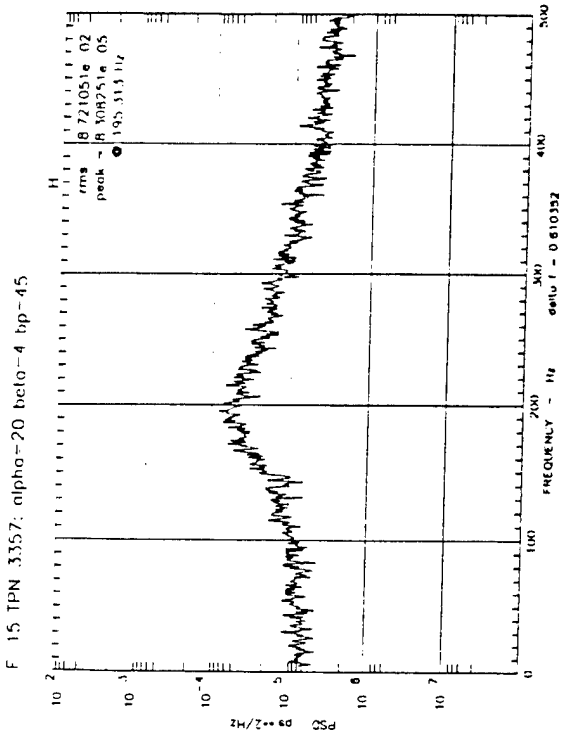

F 15 TPN 3355: alpha=16 beta=4 bp=45
FREQUENCY - Hz
delta f - 0.610352

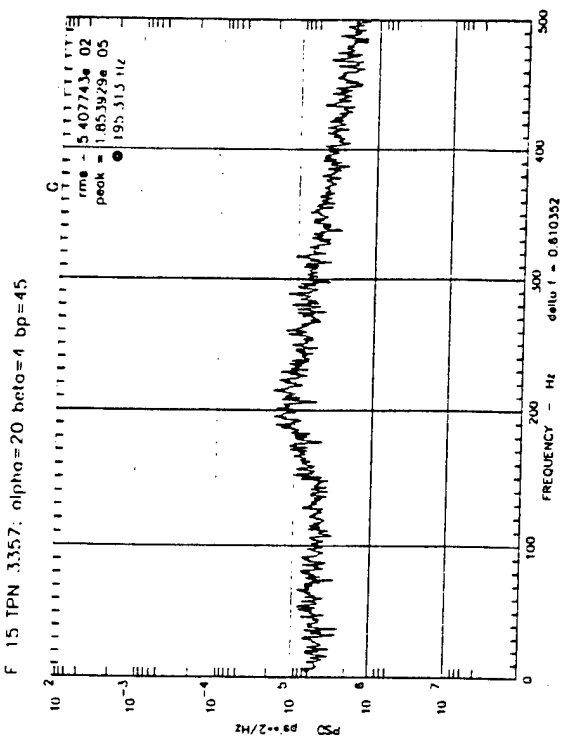

F 15 TPN .3357: alpha=20 beta=4 bp=45
D
rms = 5.732887e 03
peak = 1.077223e 06
@ 205.078 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

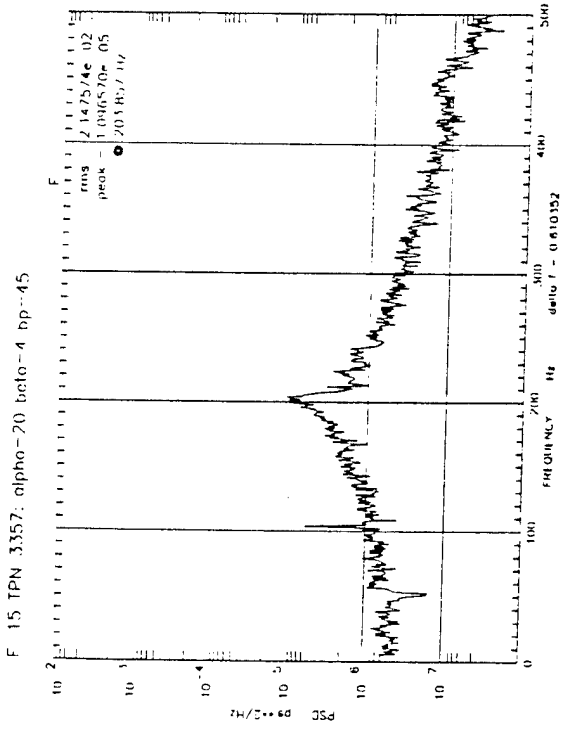

F 15 TPN .3357: alpha=20 beta=4 bp=45
C
rms = 1.541844e 02
peak = 6.792002e 06
@ 203.857 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

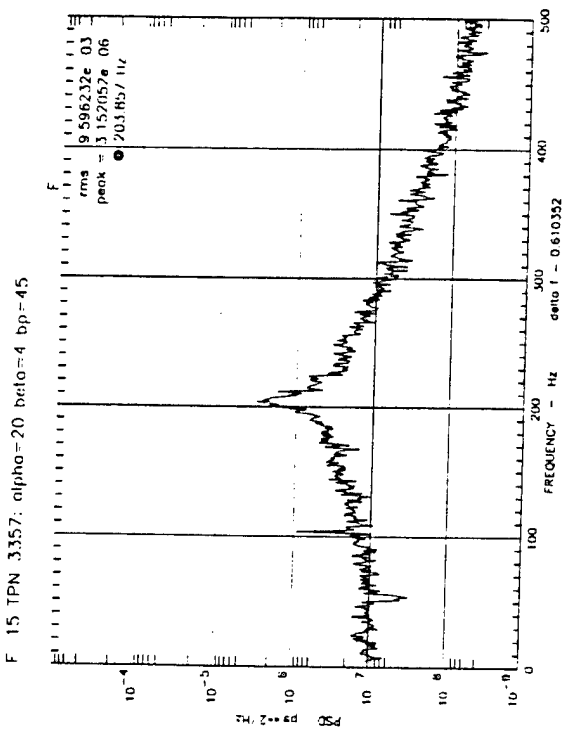

F 15 TPN .3357: alpha=20 beta=4 bp=45
B
rms = 1.641914e 02
peak = 6.561766e 06
@ 203.857 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3357: alpha=20 beta=4 bp=45
A
rms = 1.493290e 02
peak = 5.873356e 06
@ 203.857 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

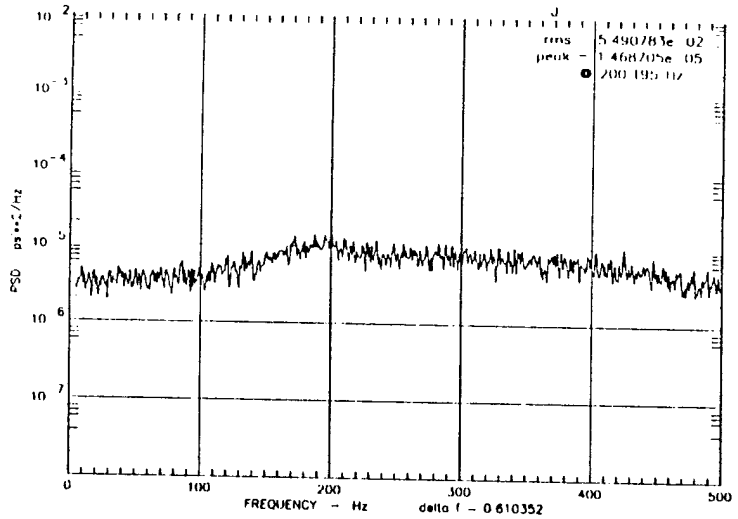

F 15 TPN 3357: alpha=20 beta=4 bp=45
H
rms = 8.721051e 02
peak = 8.308251e 05
@ 195.313 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3357: alpha=20 beta=4 bp=45
G
rms = 5.407743e 02
peak = 1.853929e 05
@ 195.313 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

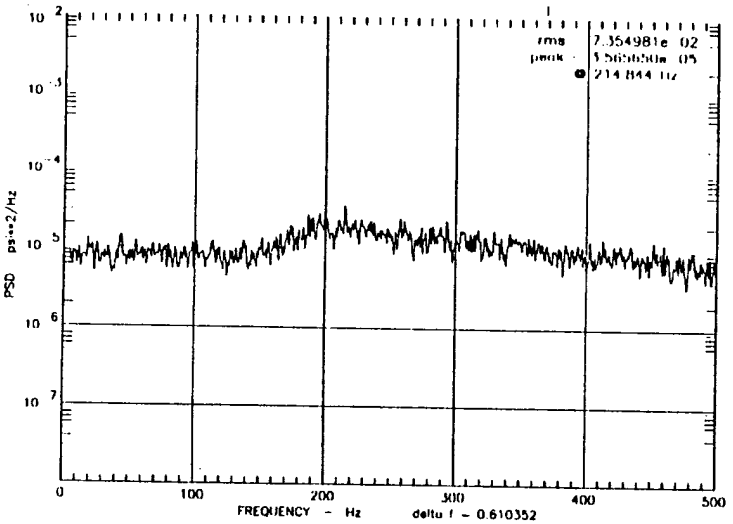

F 15 TPN 3357: alpha=20 beta=4 bp=45
F
rms = 2.147574e 02
peak = 1.036570e 05
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3357: alpha=20 beta=4 bp=45
F
rms = 9.596232e 03
peak = 3.152052e 06
@ 203.857 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

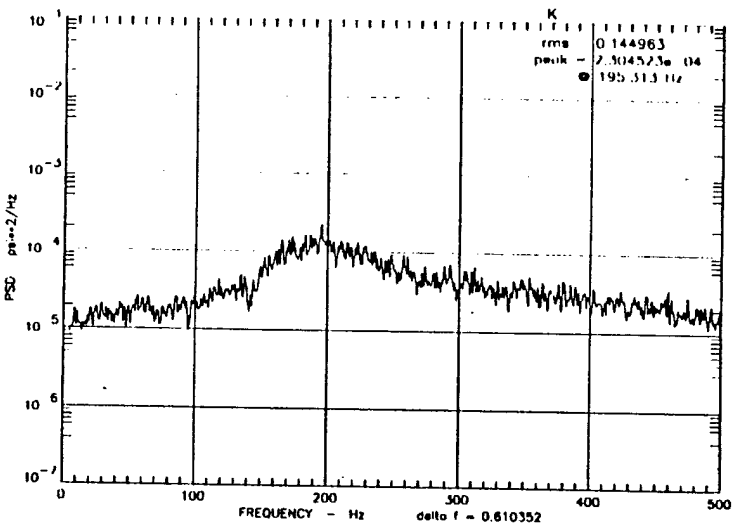
F 15 TPN 3357: alpha=20 beta=4 bp=45



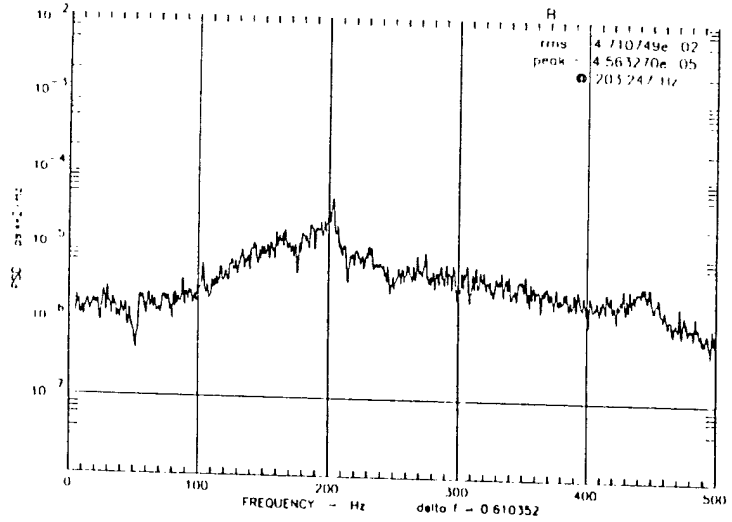
F 15 TPN 3357: alpha=20 beta=4 bp=45



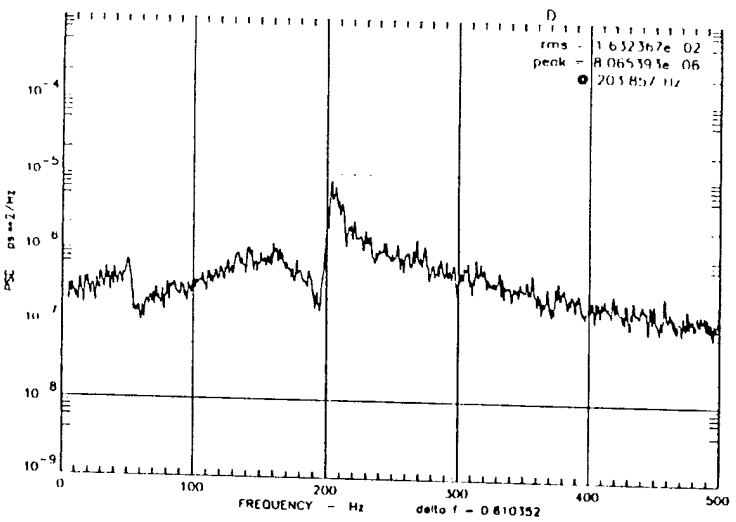
F 15 TPN 3357: alpha=20 beta=4 bp=45



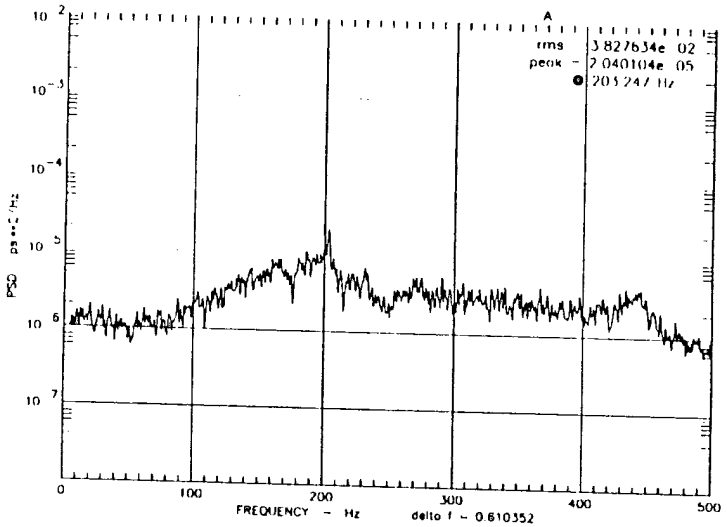
F 15 TPN 3359: alpha=24 beta=4 bp=45



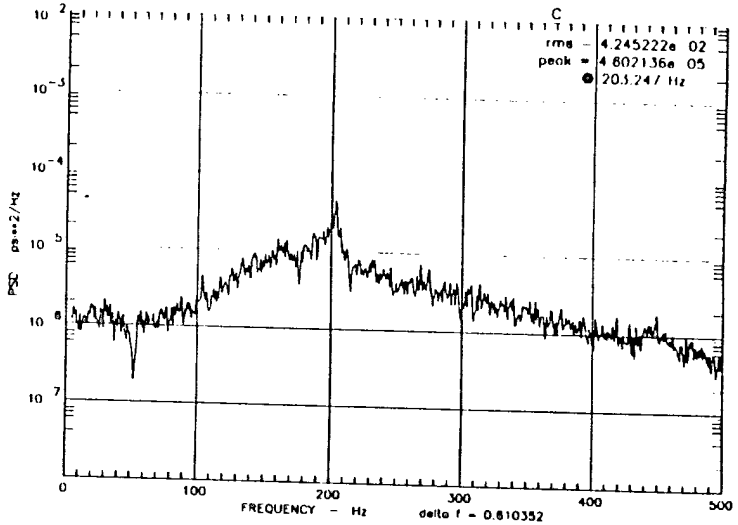
F 15 TPN 3359: alpha=24 beta=4 bp=45

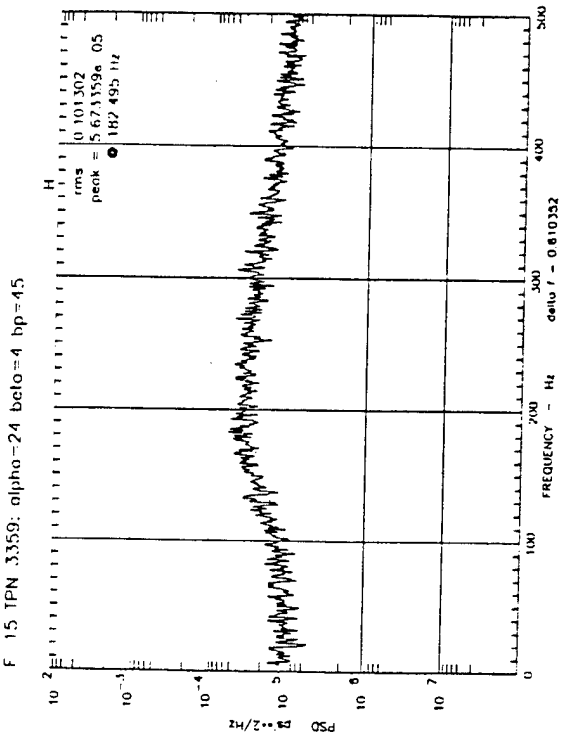


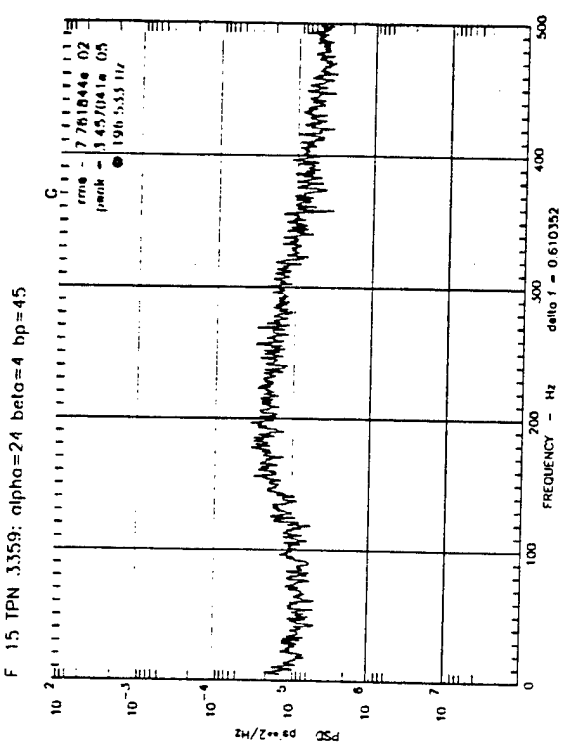
F 15 TPN 3359: alpha=24 beta=4 bp=45

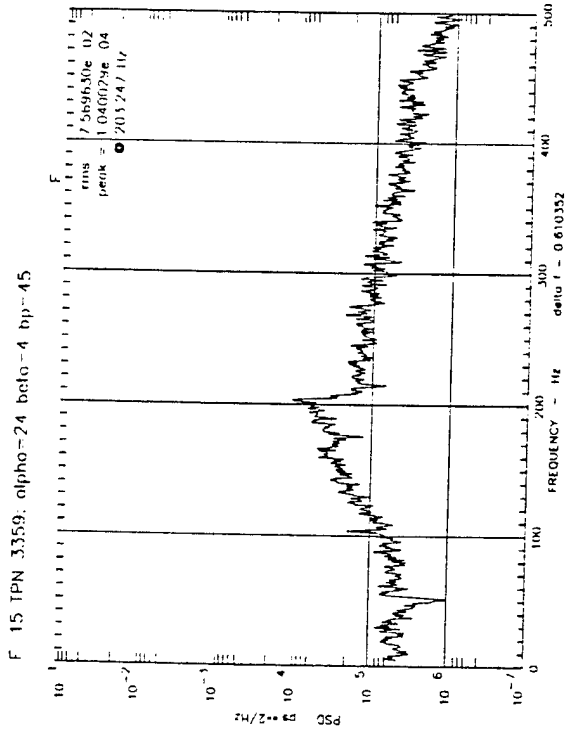


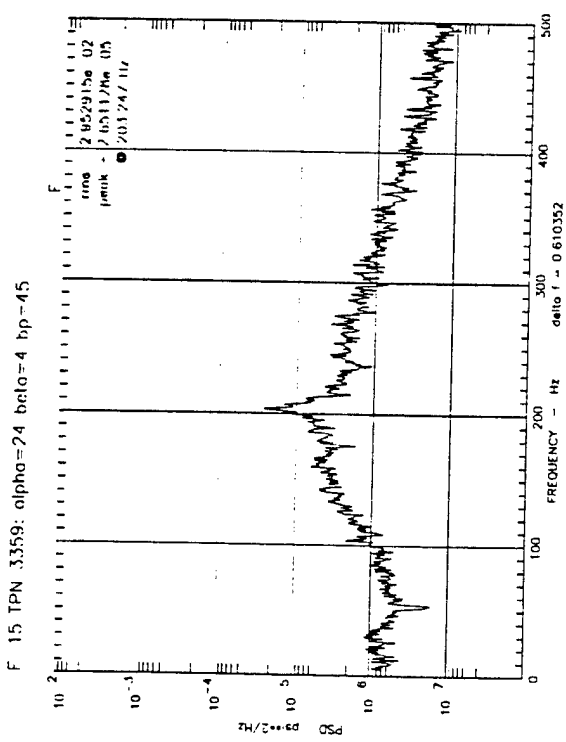
F 15 TPN 3359: alpha=24 beta=4 bp=45



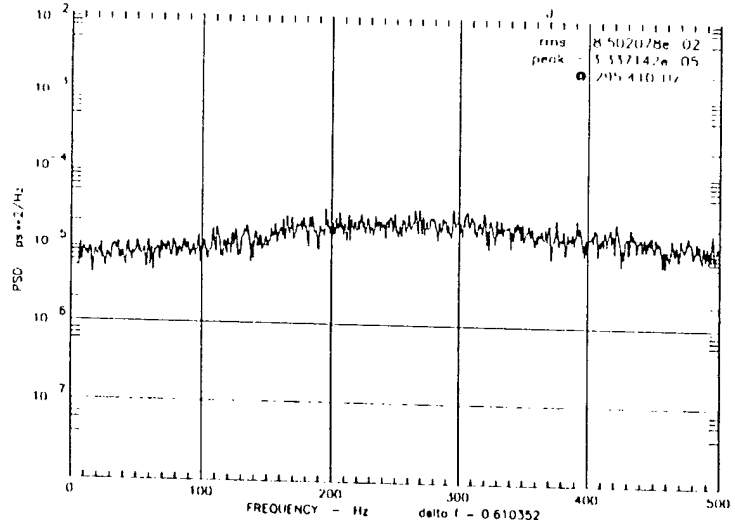

F 15 TPN 3359: alpha=24 beta=4 bp=45
H
rms = 0.101302
peak = 5.673559e 05
@ 182.495 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3359: alpha=24 beta=4 bp=45
G
rms = 7.761844e 02
peak = 3.457041e 05
@ 196.533 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

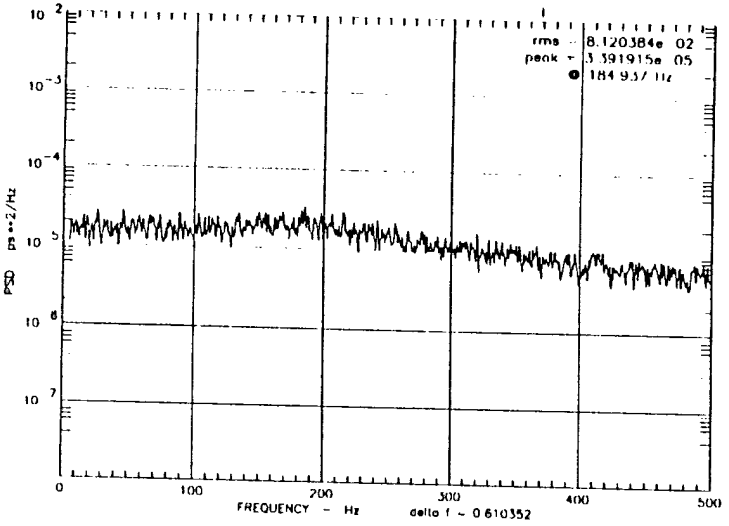

F 15 TPN 3359: alpha=24 beta=4 bp=45
F
rms = 7.569630e 02
peak = 1.040602e 04
@ 201.247 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3359: alpha=24 beta=4 bp=45
F
rms = 2.852915e 02
peak = 2.051128e 05
@ 201.247 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

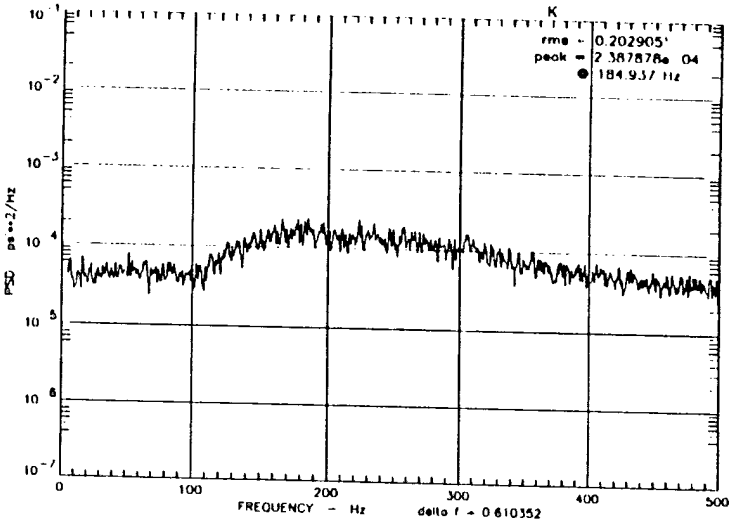
F 15 TPN 3359: alpha=24 beta=4 bp=45

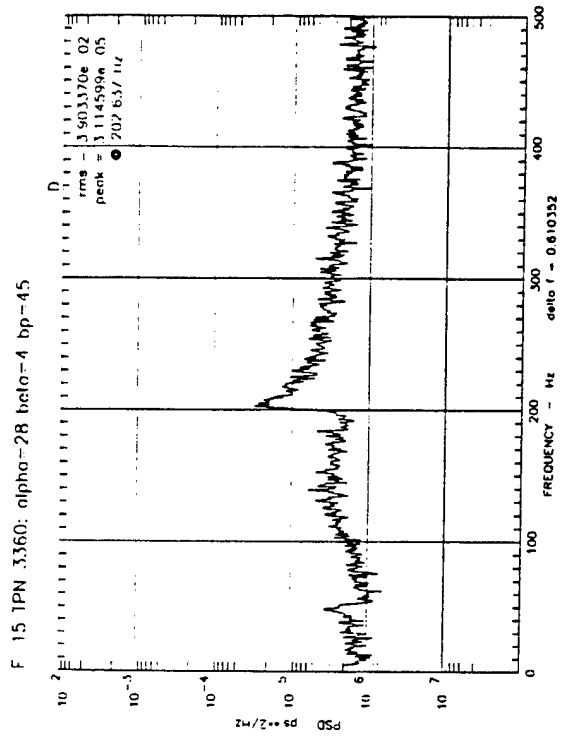


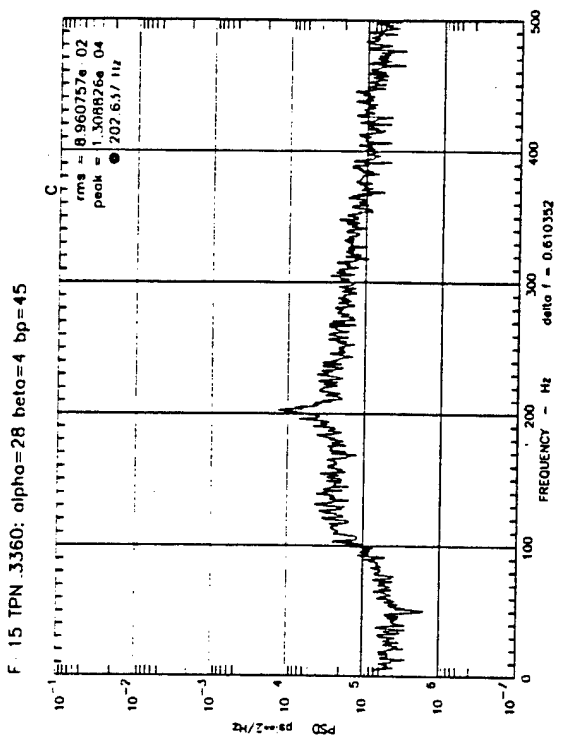
F 15 TPN_3359: alpha=24 beta=4 bp=45

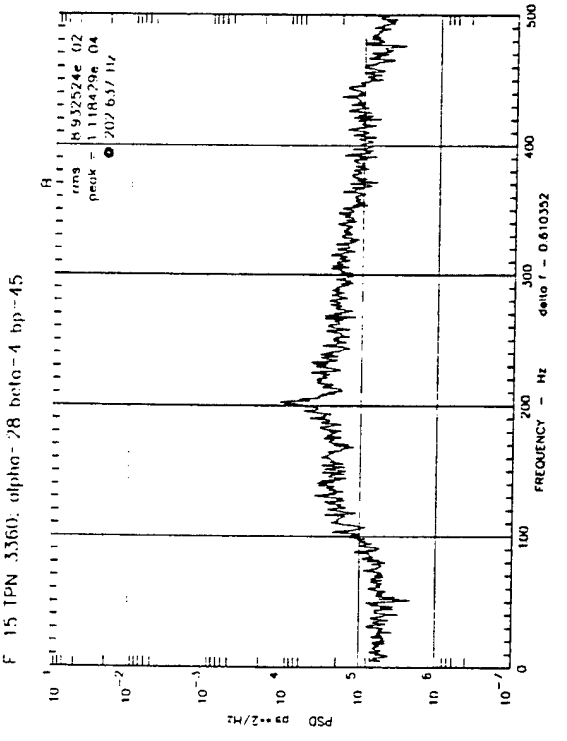


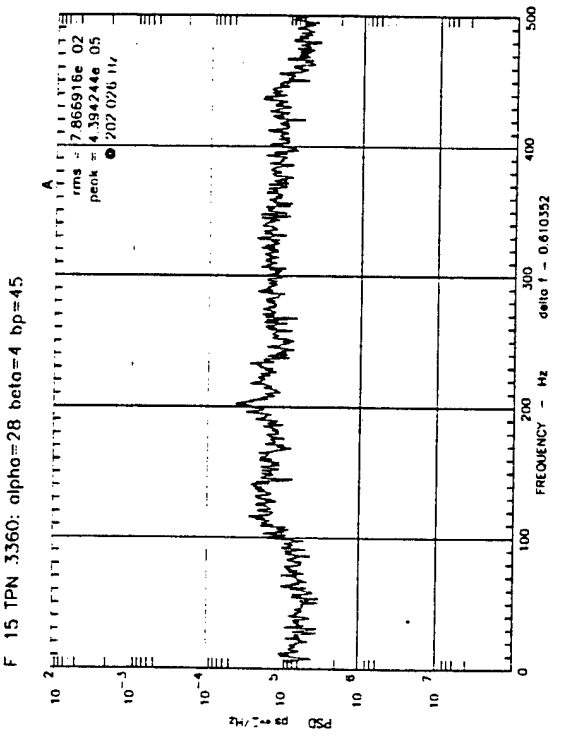
F 15 TPN 3359: alpha=24 beta=4 bp=45



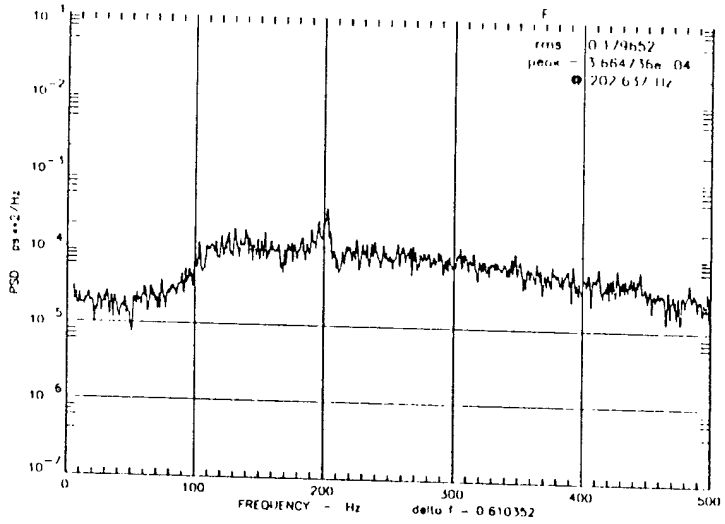

F 15 TPN .3360: alpha=28 beta=4 bp=45
D
rms = 3.903370e 02
peak = 3.114599e 05
@ 202.637 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3360: alpha=28 beta=4 bp=45
C
rms = 8.960757e 02
peak = 1.308826e 04
@ 202.637 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

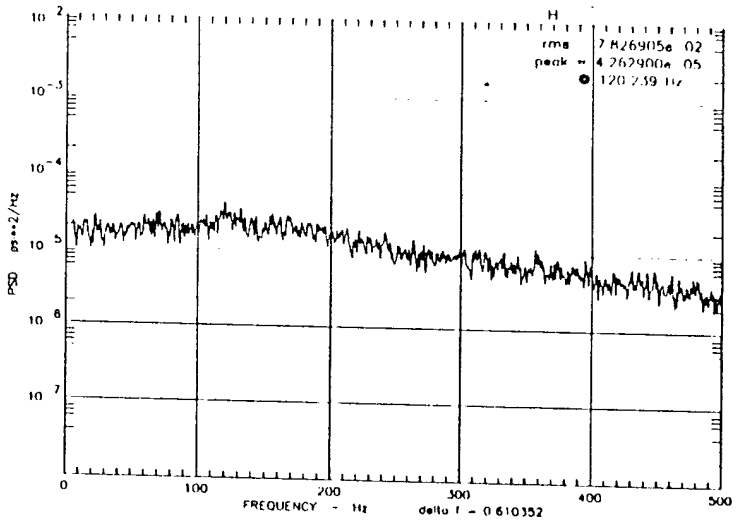

F 15 TPN .3360: alpha=28 beta=4 bp=45
B
rms = 8.932524e 02
peak = 1.118479e 04
@ 202.637 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3360: alpha=28 beta=4 bp=45
A
rms = 7.866916e 02
peak = 4.394244e 05
@ 202.026 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

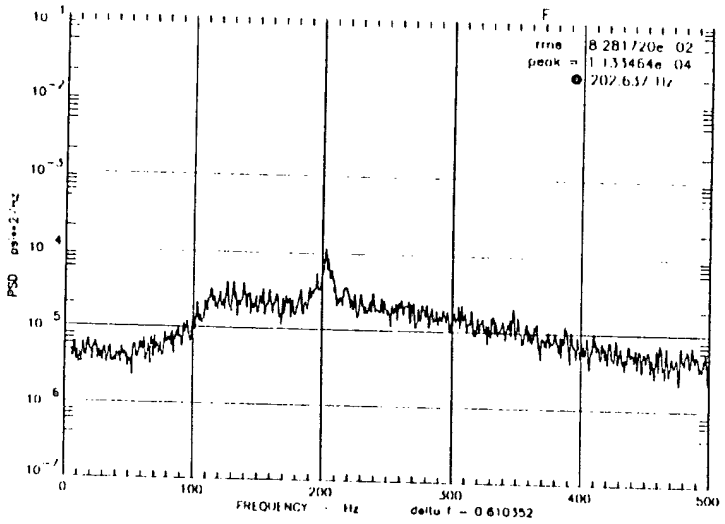
F 15 TPN 3360: alpha=28 beta=4 bp=45



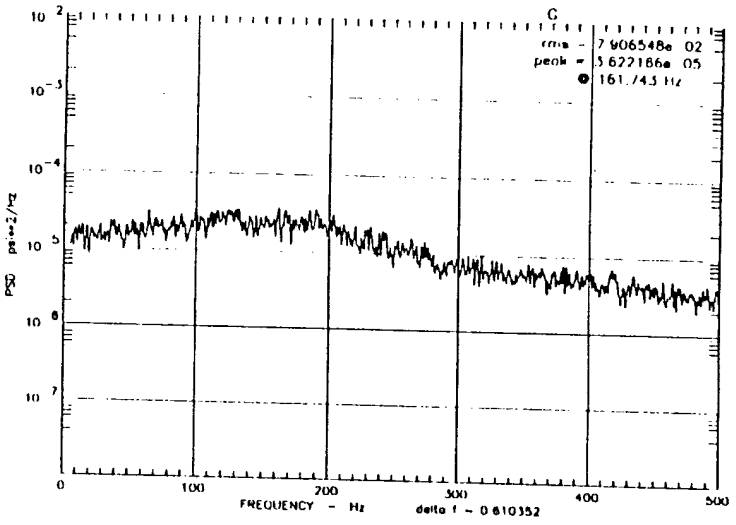
F 15 TPN 3360: alpha=28 beta=4 bp=45



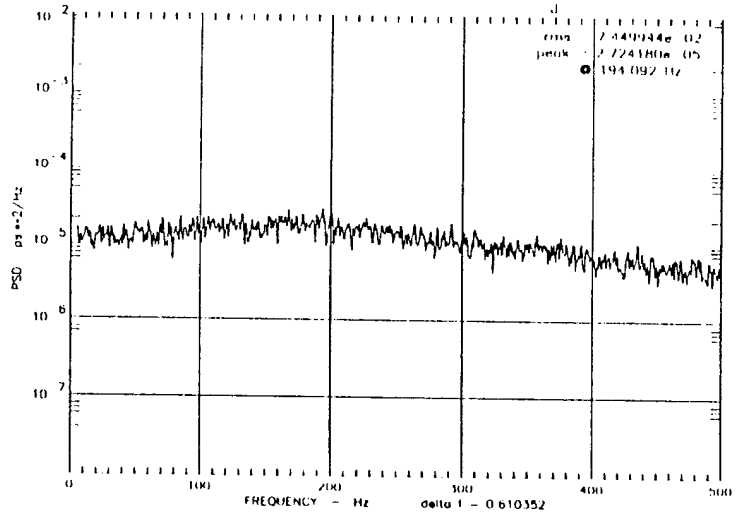
F 15 TPN 3360: alpha=28 beta=4 bp=45



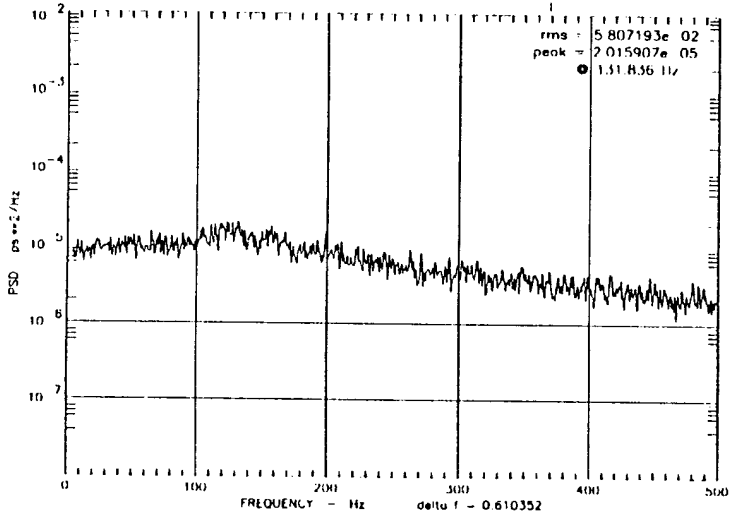
F 15 TPN 3360: alpha=28 beta=4 bp=45



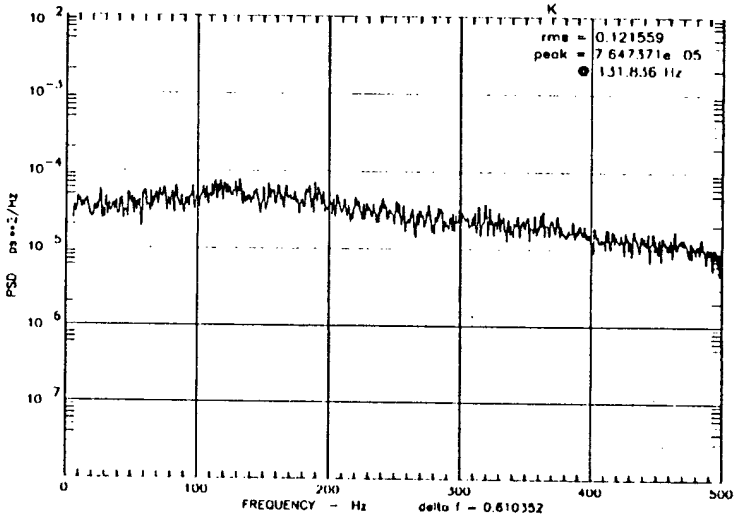
F 15 TPN 3360: alpha=28 beta=4 bp=45



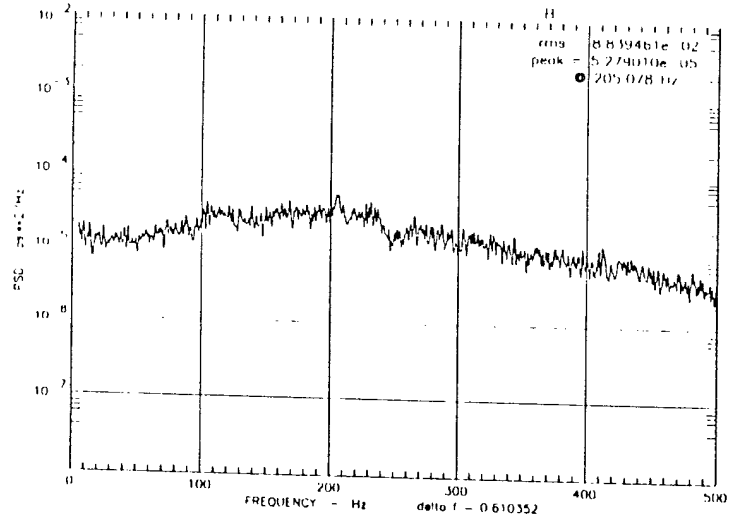
F 15 TPN 3360: alpha=28 beta=4 bp=45



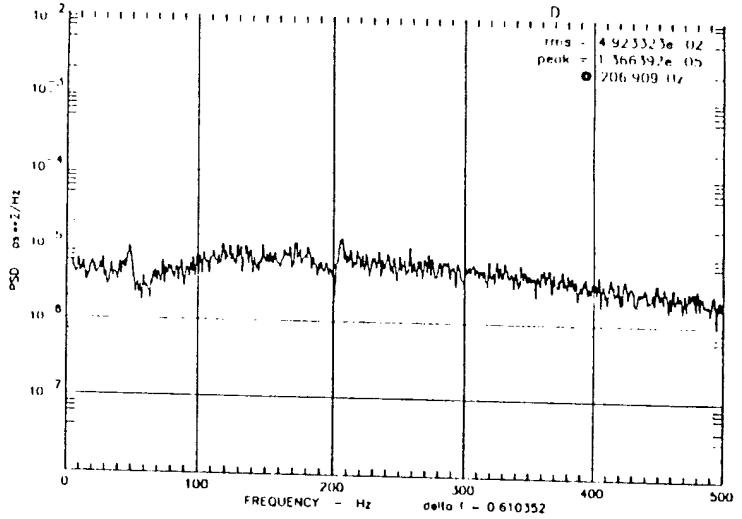
F 15 TPN 3360: alpha=28 beta=4 bp=45



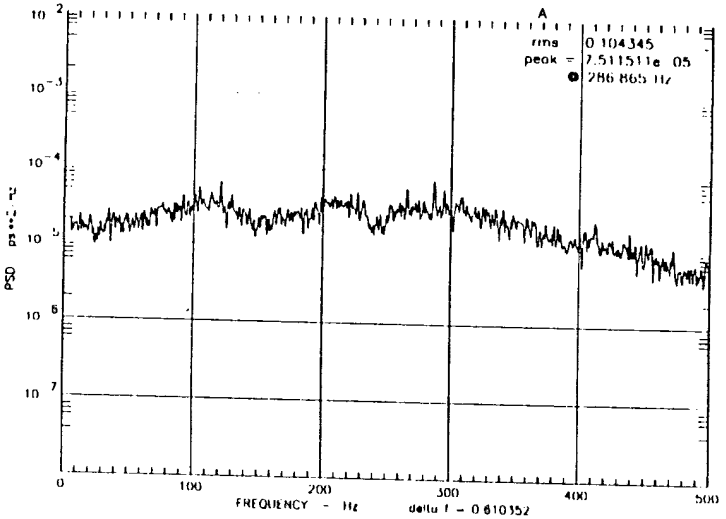
F 15 TPN 3361: alpha=32 beta=4 bp=45



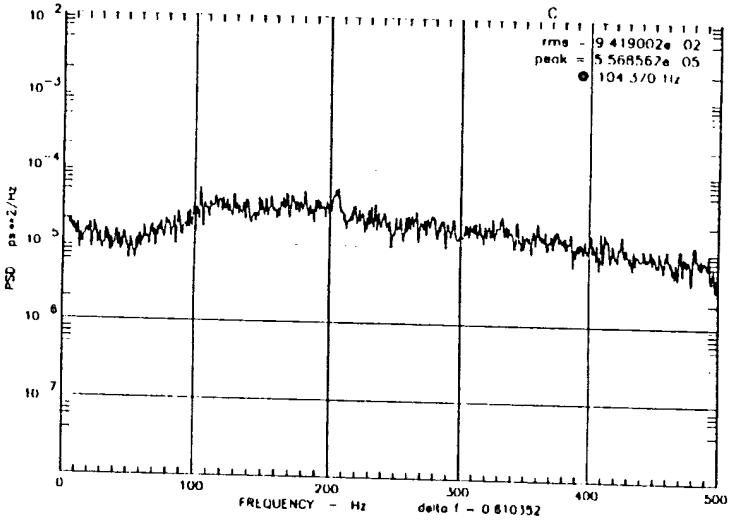
F 15 TPN 3361: alpha=32 beta=4 bp=45



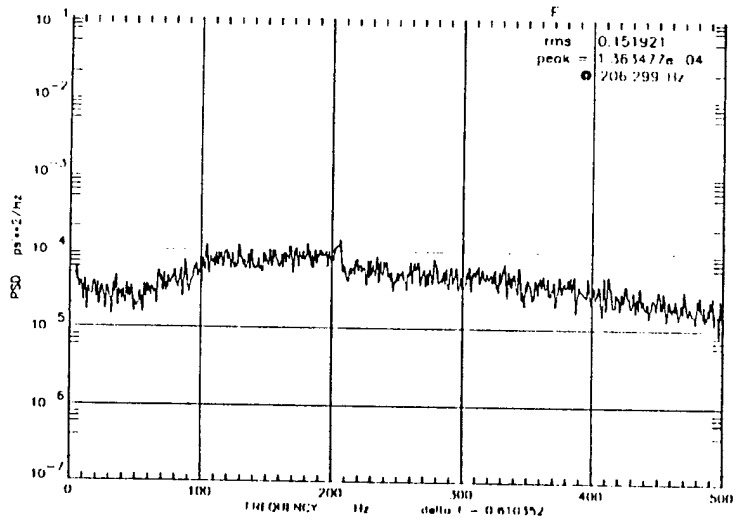
F 15 TPN 3361: alpha=32 beta=4 bp=45



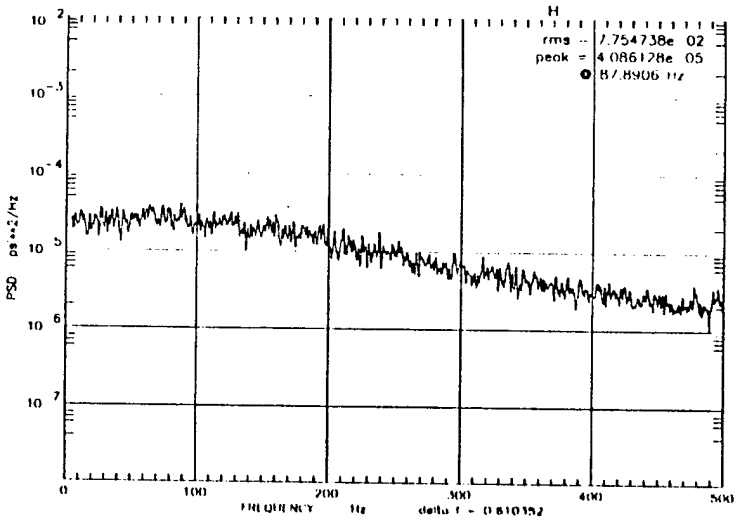
F 15 TPN 3361: alpha=32 beta=4 bp=45



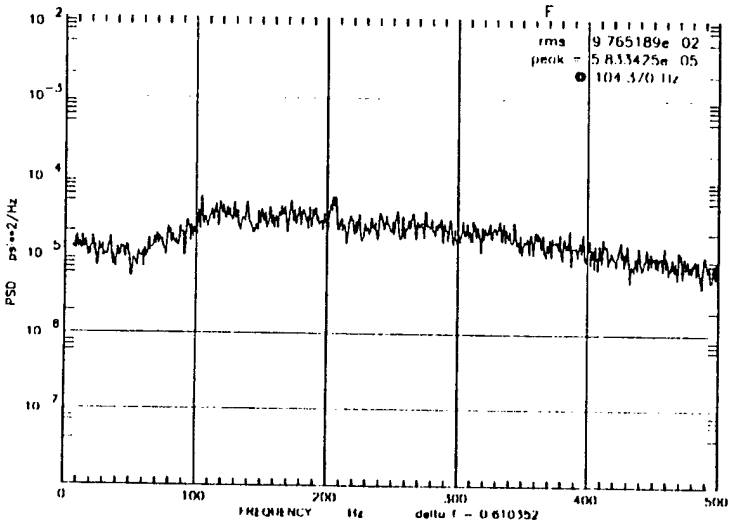
F 15 TPN 3361: alpha=32 beta=4 bp=45



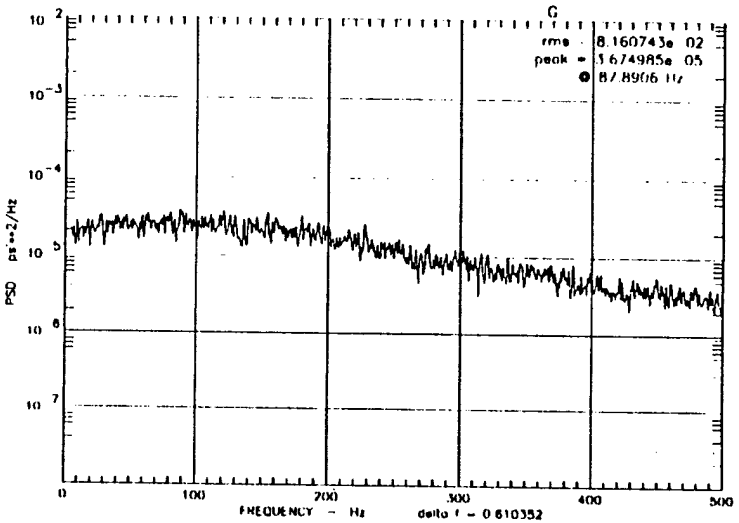
F 15 TPN 3361: alpha=32 beta=4 bp=45



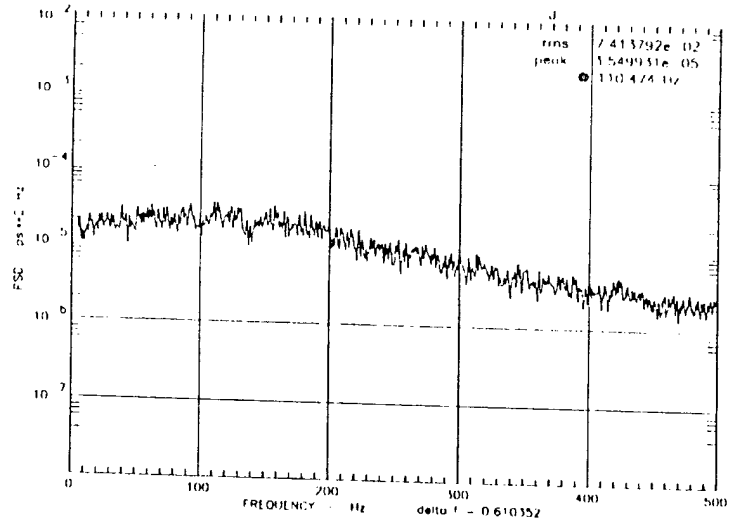
F 15 TPN 3361: alpha=32 beta=4 bp=45



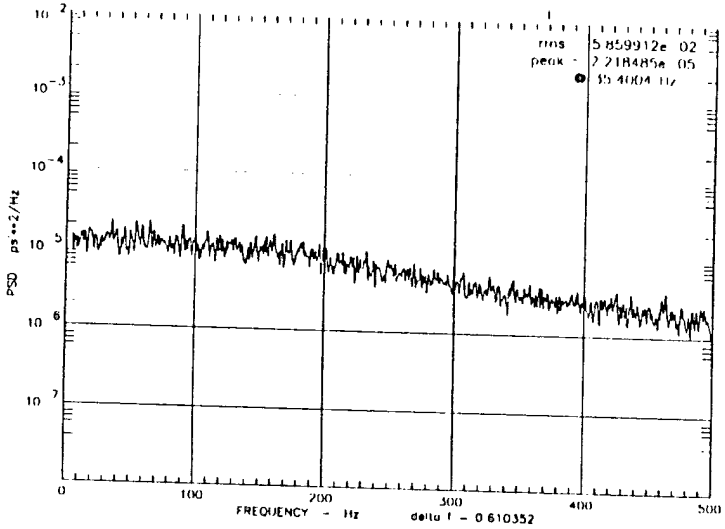
F 15 TPN 3361: alpha=32 beta=4 bp=45



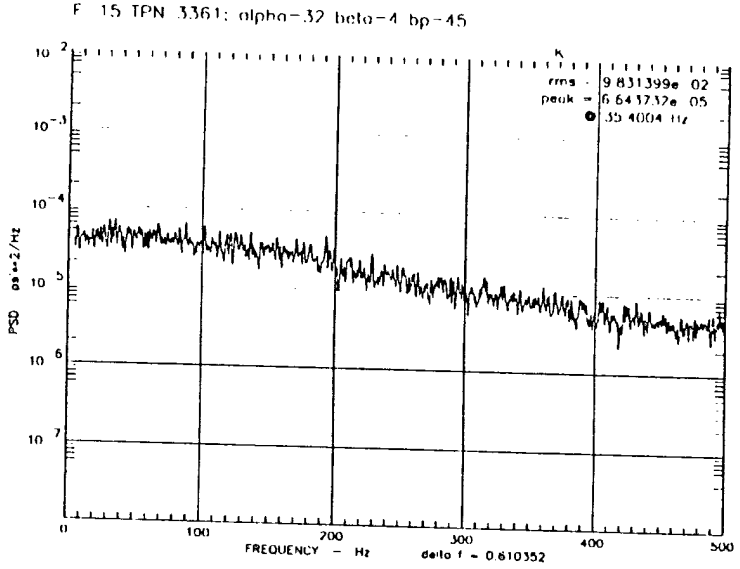
F 15 TPN 3361: alpha=32 beta=4 bp=45

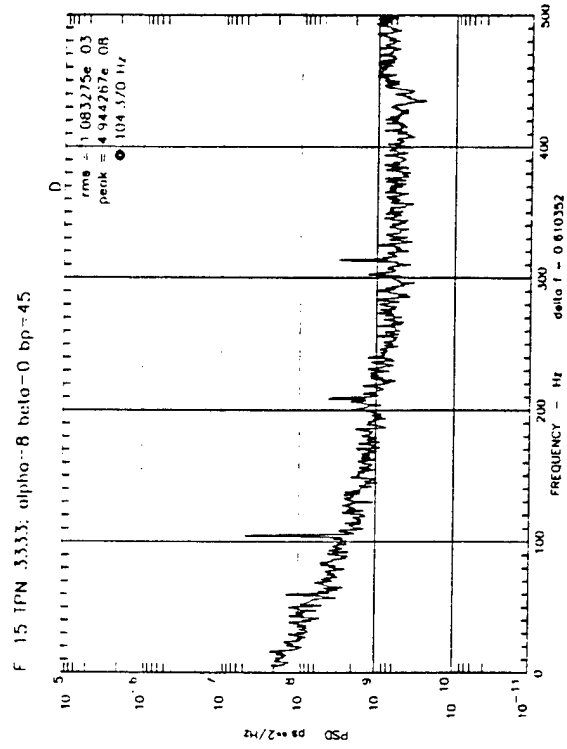


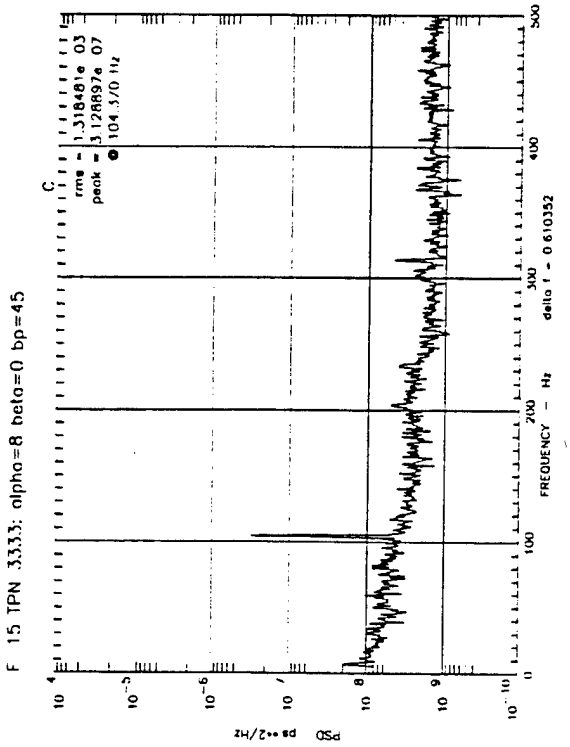
F 15 TPN 3361: alpha=32 beta=4 bp=45

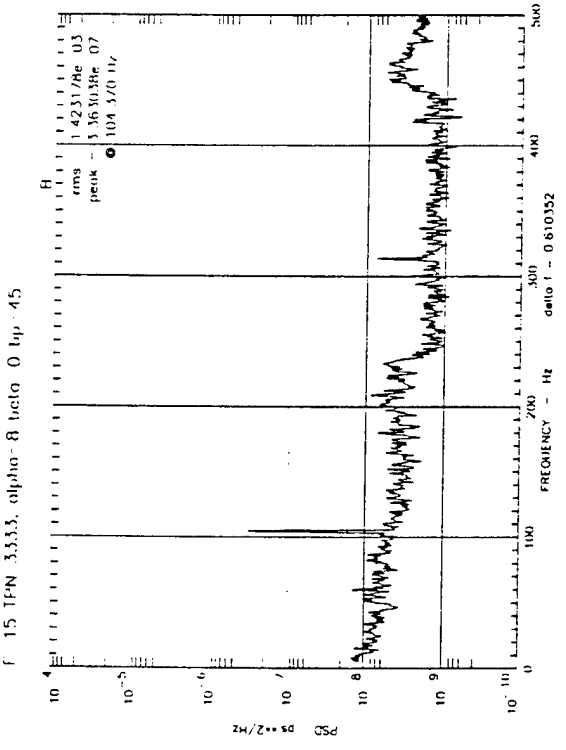


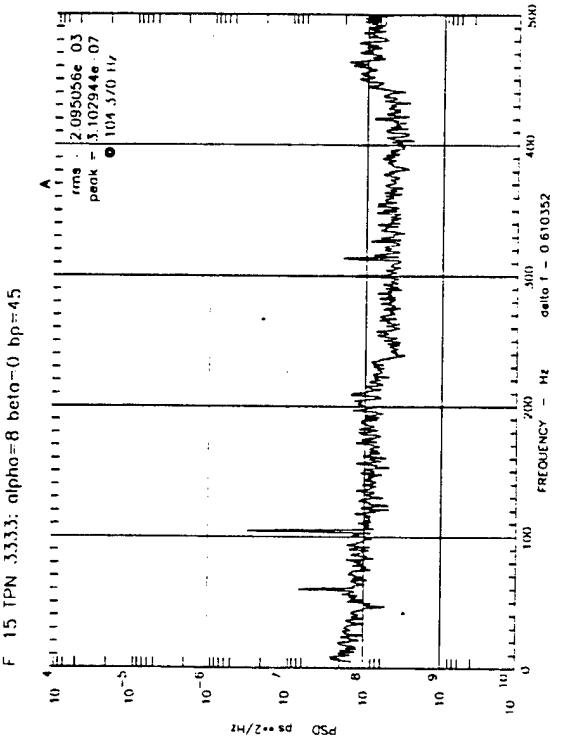
F 15 TPN 3361: alpha=32 beta=4 bp=45

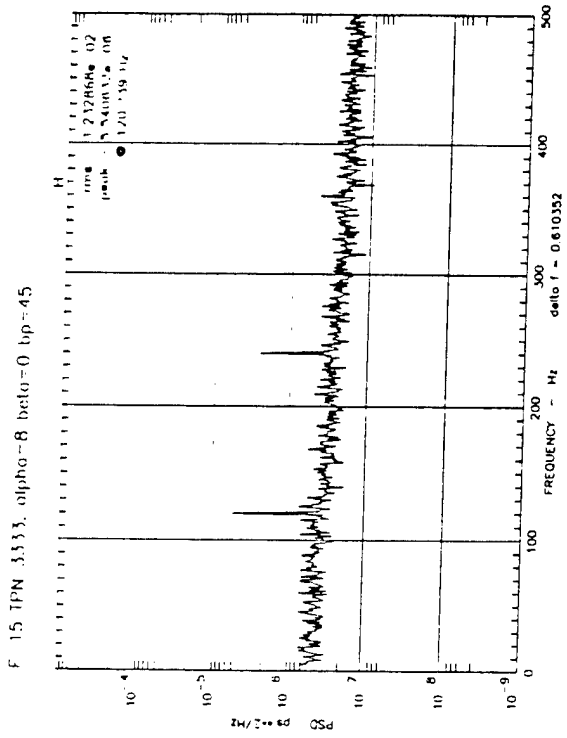


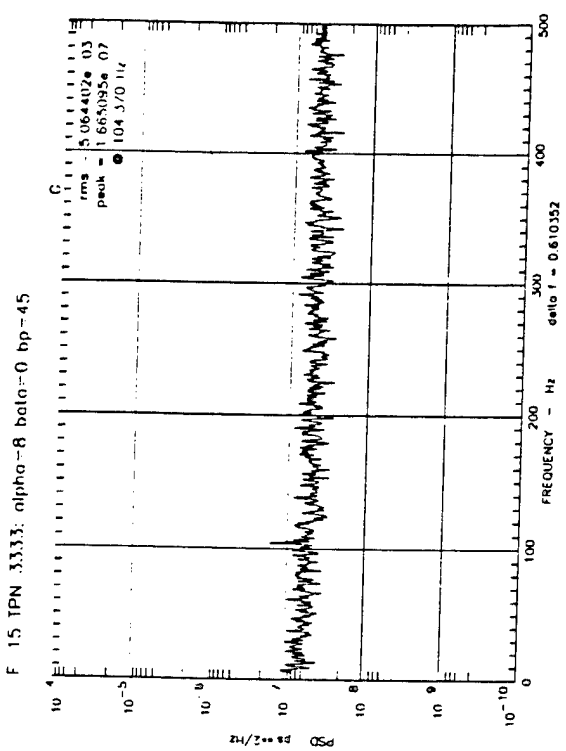

F 15 TPN .3333: alpha=8 beta=0 bp=45
D
rms = 1.083275e 03
peak = 4.944267e 08
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f - 0.610352

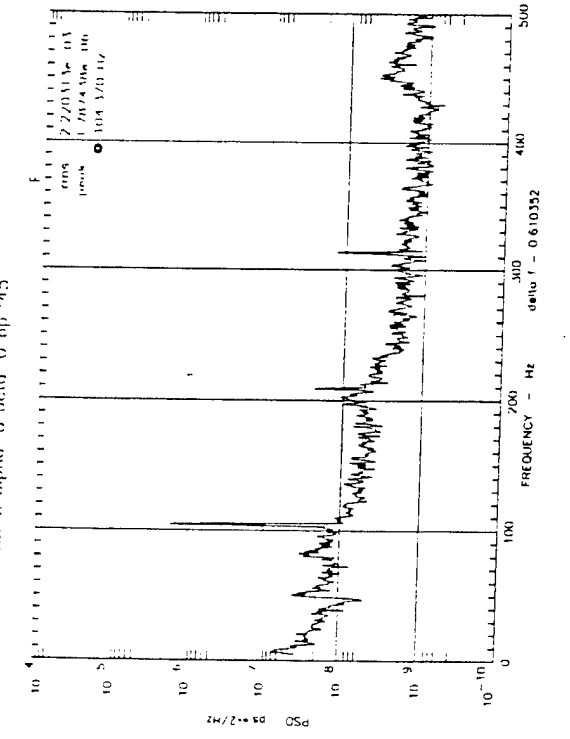

F 15 TPN .3333: alpha=8 beta=0 bp=45
C
rms = 1.318481e 03
peak = 3.128897e 07
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f - 0.610352

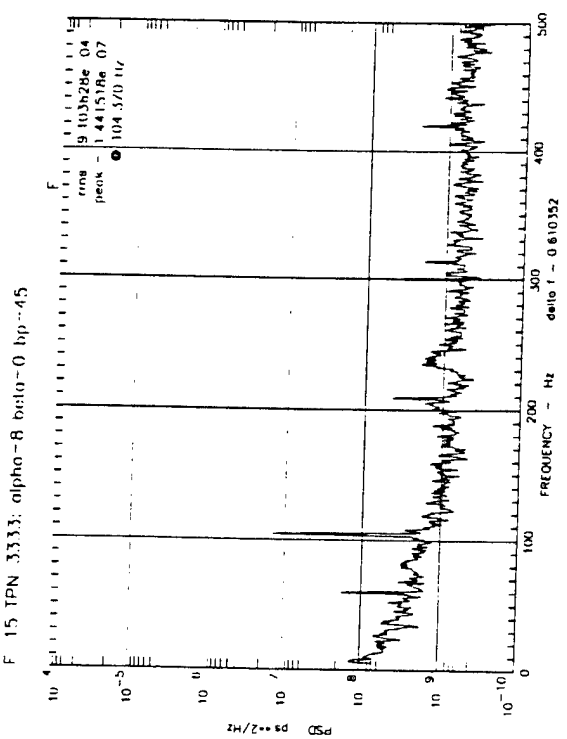

F 15 TPN .3333: alpha=8 beta=0 bp=45
B
rms = 1.423178e 03
peak = 3.363038e 07
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN .3333: alpha=8 beta=0 bp=45
A
rms = 2.095056e 03
peak = 3.102944e 07
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f - 0.610352

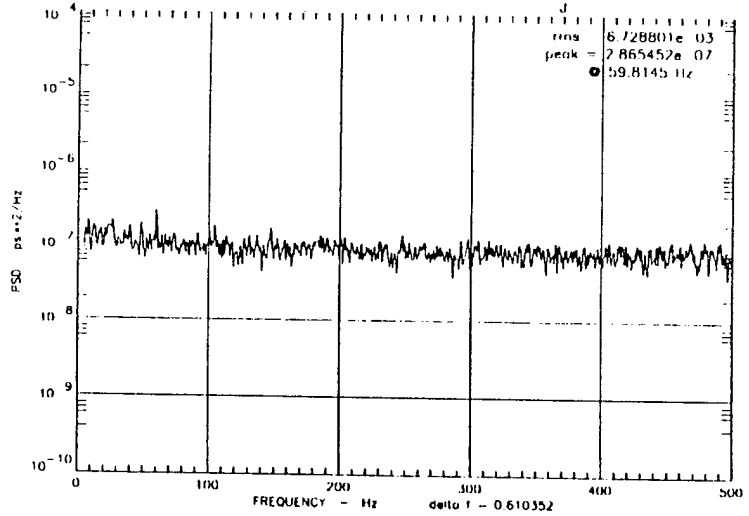

F 15 TPN 3333: alpha=8 beta=0 bp=45
H
rms = 1.212866e 02
peak = 5.540013e 06
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3333: alpha=8 beta=0 bp=45
G
rms = 5.064402e 03
peak = 1.665093e 07
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

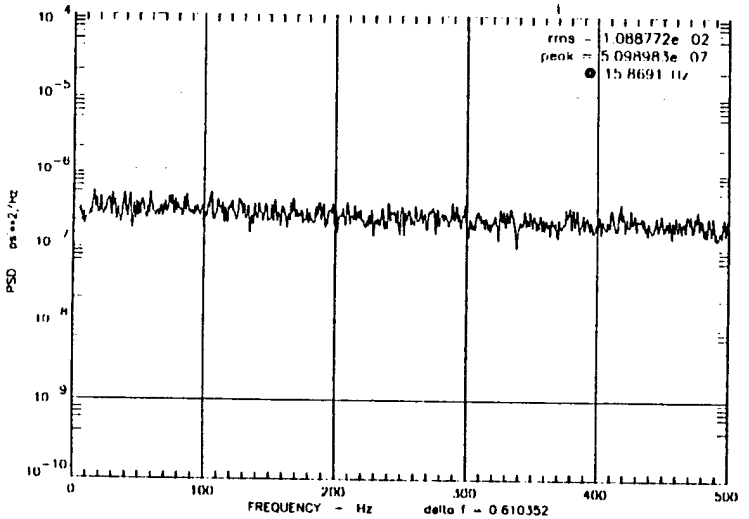

F 15 TPN 3333: alpha=8 beta=0 bp=45
F
rms = 2.220515e 03
peak = 1.787439e 06
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3333: alpha=8 beta=0 bp=45
F
rms = 9.103h28e 04
peak = 1.441518e 07
@ 104.370 Hz
PSD ps **2/Hz
FREQUENCY - Hz
delta f = 0.610352

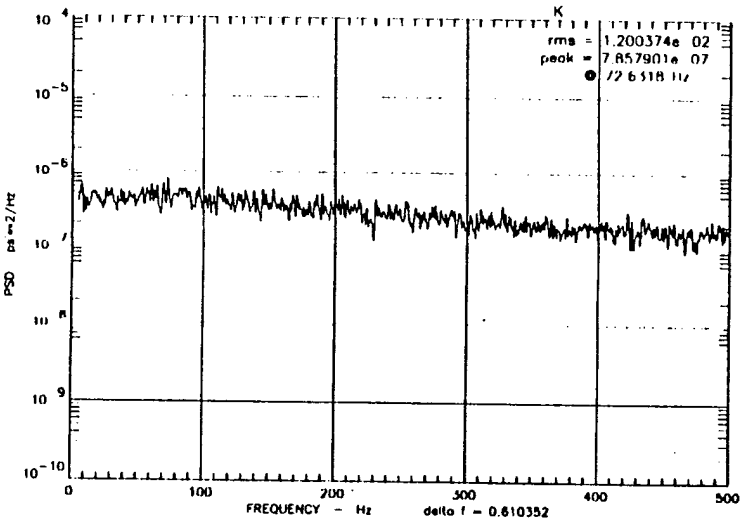
F 15 TPN 3333: alpha=8 beta=0 bp=45

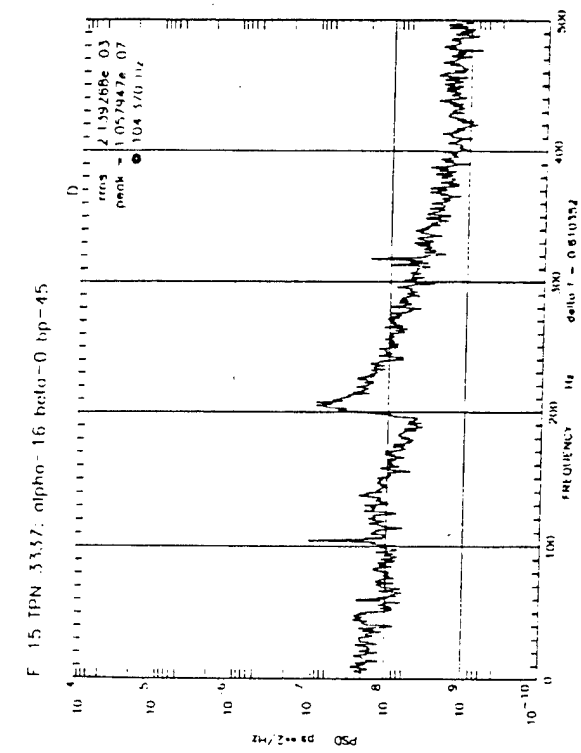


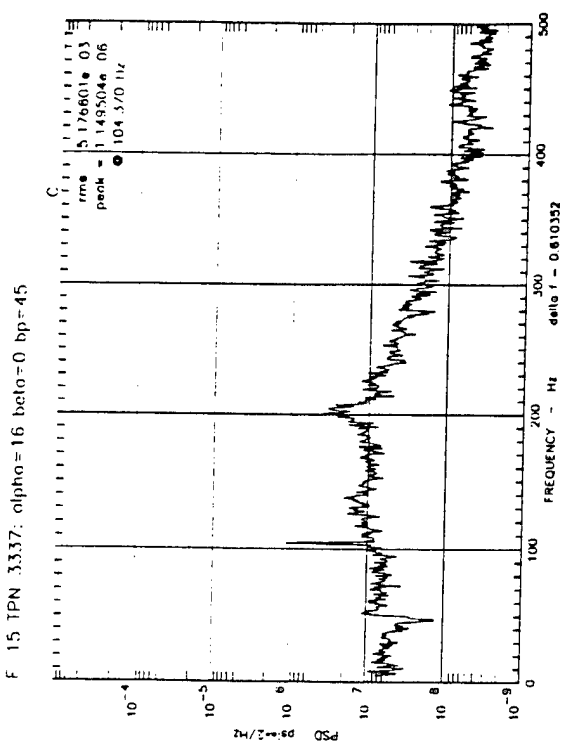
F 15 TPN 3333: alpha=8 beta=0 bp=45

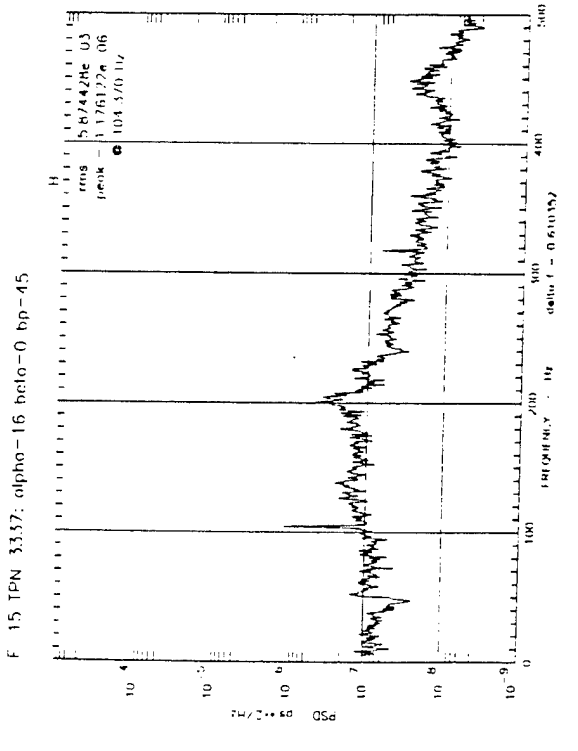


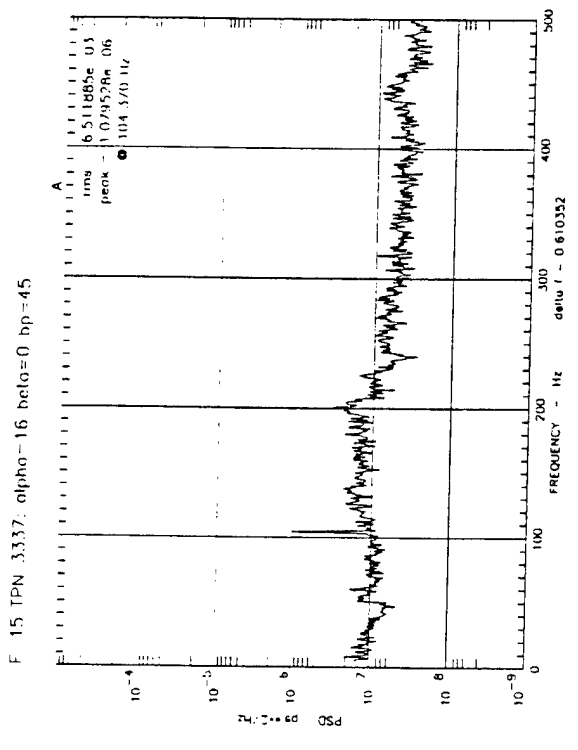
F 15 TPN 3333: alpha=8 beta=0 bp=45



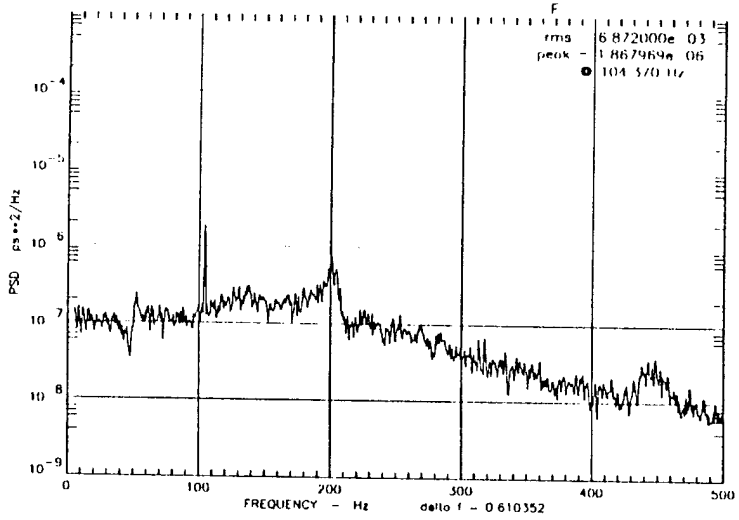

F 15 TPN 3337: alpha=16 beta=0 bp=45
D
rms = 2.139268e 03
peak = 1.057947e 07
@ 104 5/0 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3337: alpha=16 beta=0 bp=45
C
rms = 5.176601e 03
peak = 1.149504e 06
@ 104 5/0 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

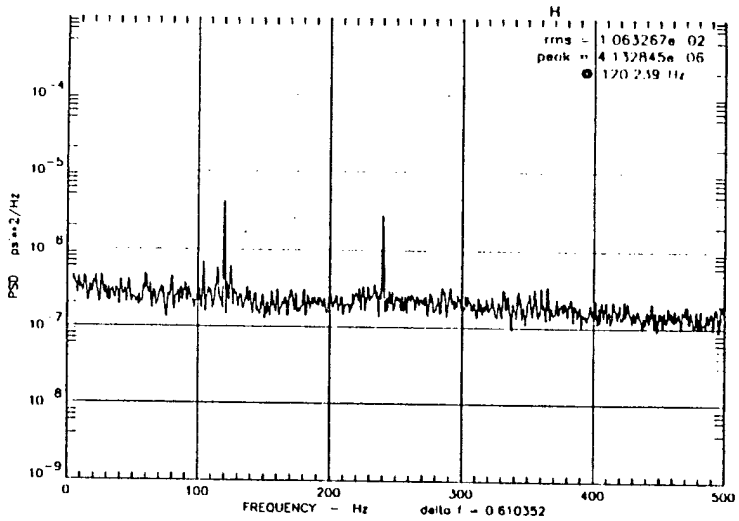

F 15 TPN 3337: alpha=16 beta=0 bp=45
H
rms = 5.874428e 03
peak = 1.176127e 06
@ 104 5/0 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3337: alpha=16 beta=0 bp=45
A
rms = 6.511885e 03
peak = 1.079529e 06
@ 104 5/0 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

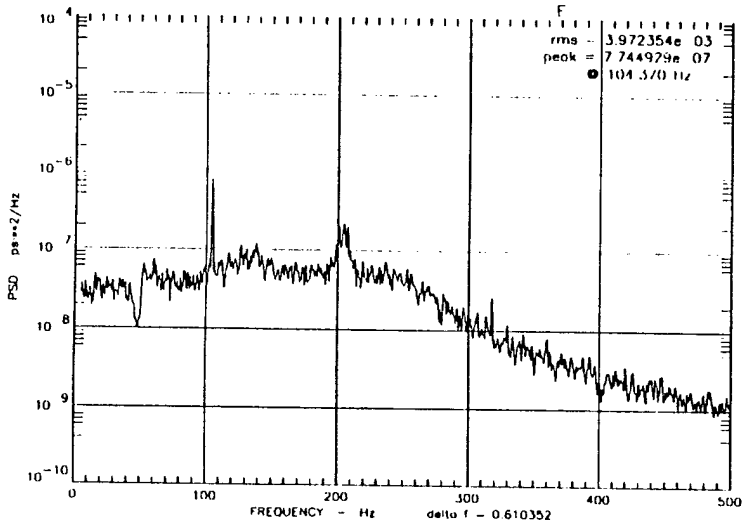
F 15 TPN 3337: alpha=16 beta=0 bp=45



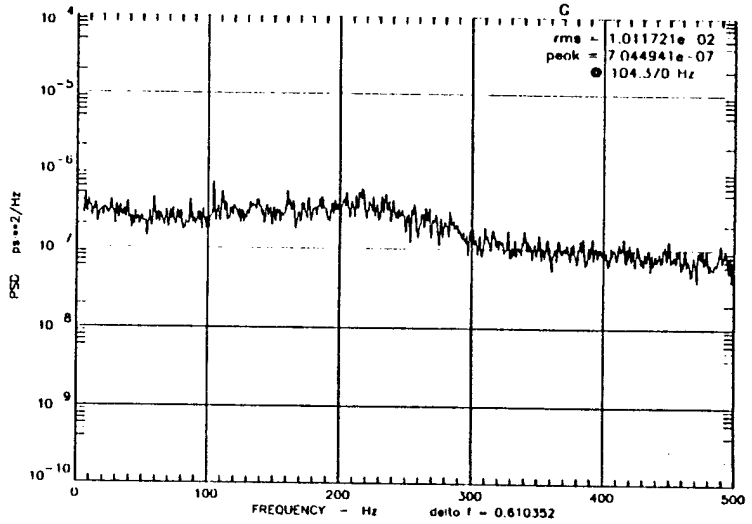
F 15 TPN 3337: alpha=16 beta=0 bp=45



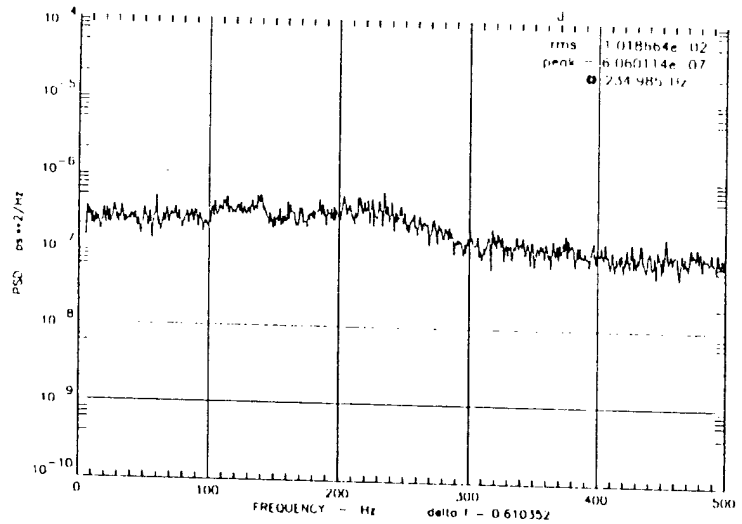
F 15 TPN 3337: alpha=16 beta=0 bp=45



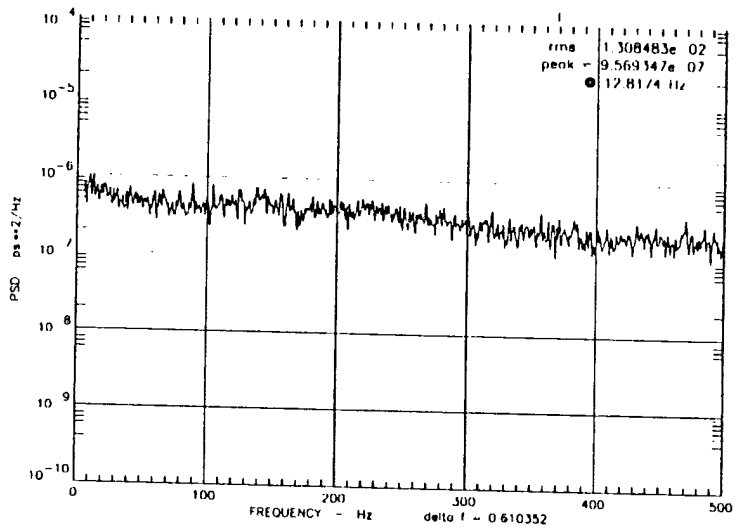
F 15 TPN 3337: alpha=16 beta=0 bp=45



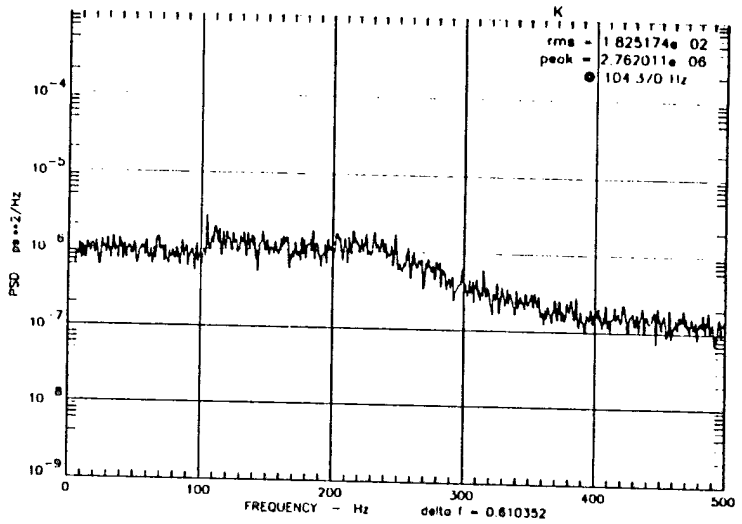
F 15 TPN 3337: alpha 16 beta 0 bp 45

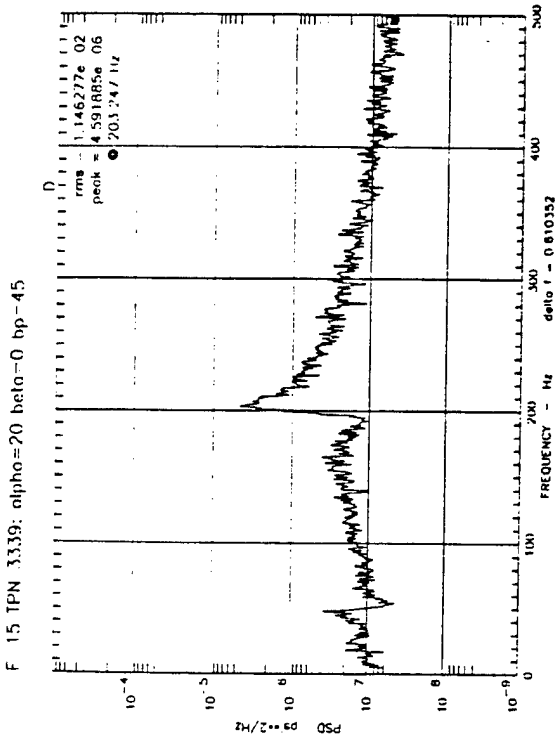


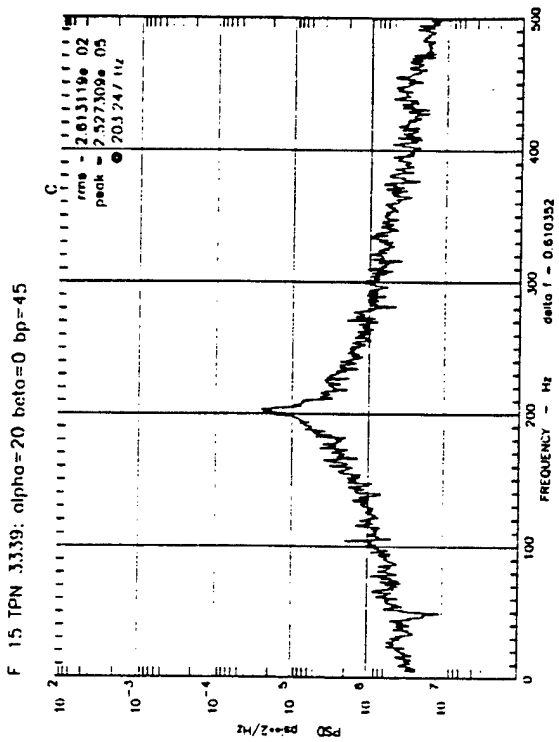
F 15 TPN 3337: alpha=16 beta=0 bp=45

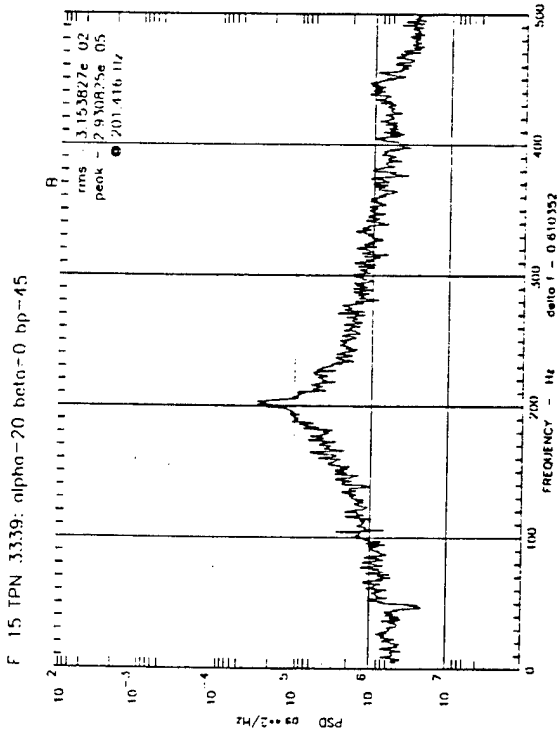


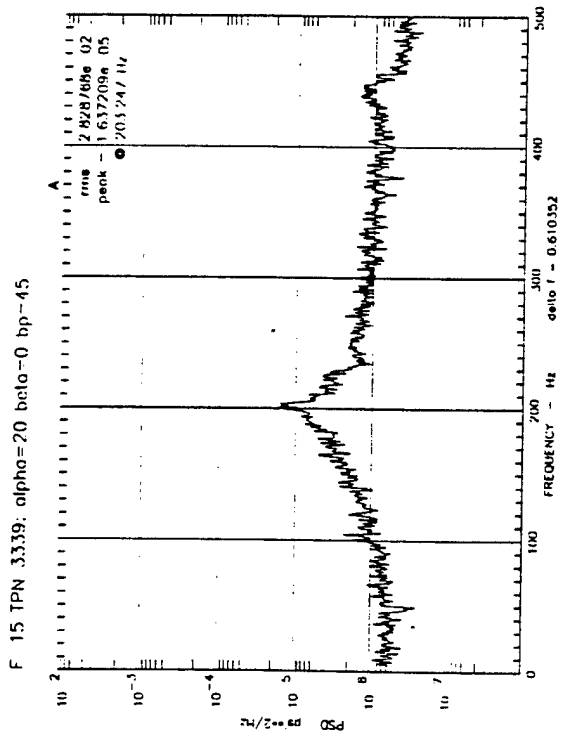
F 15 TPN 3337: alpha=16 beta=0 bp=45

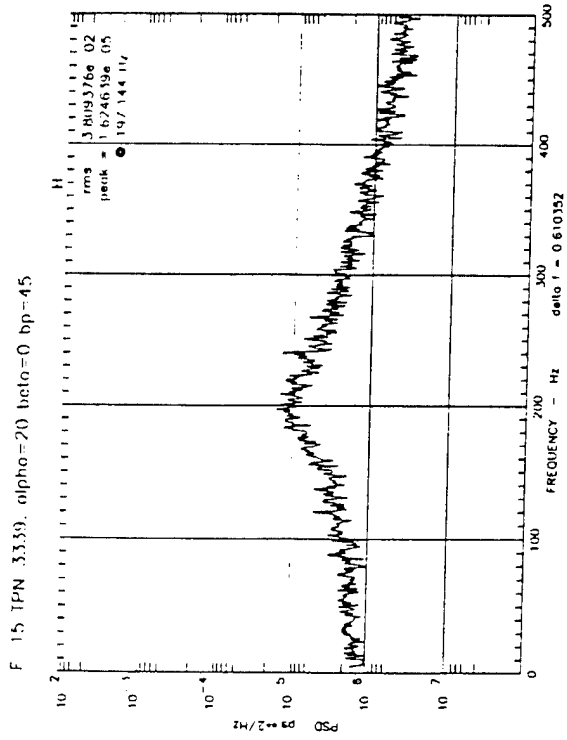


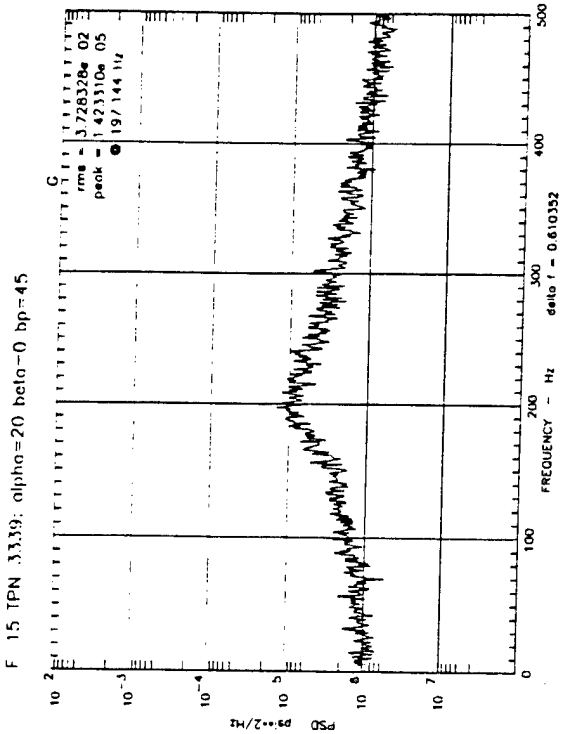

F 15 TPN 3339: alpha=20 beta=0 bp=45
D
rms = 1.146277e 02
peak = 4.591885e 06
@ 203.247 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

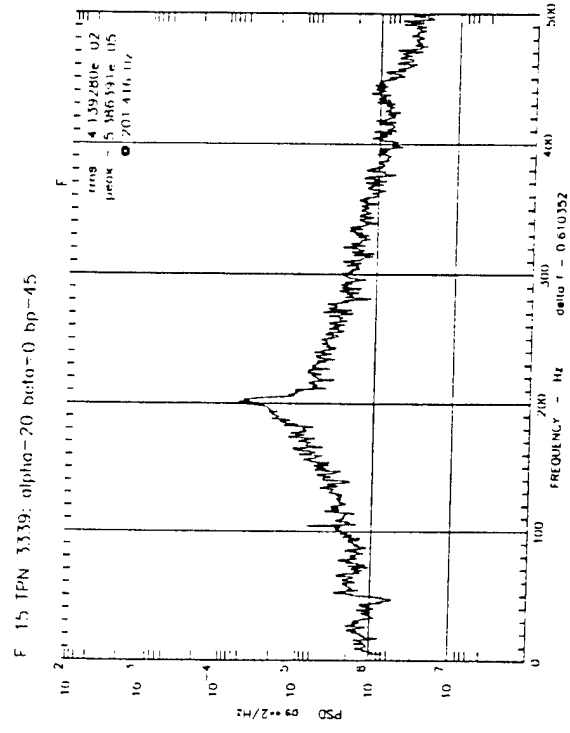

F 15 TPN 3339: alpha=20 beta=0 bp=45
C
rms = 2.813119e 02
peak = 2.527309e 05
@ 203.247 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

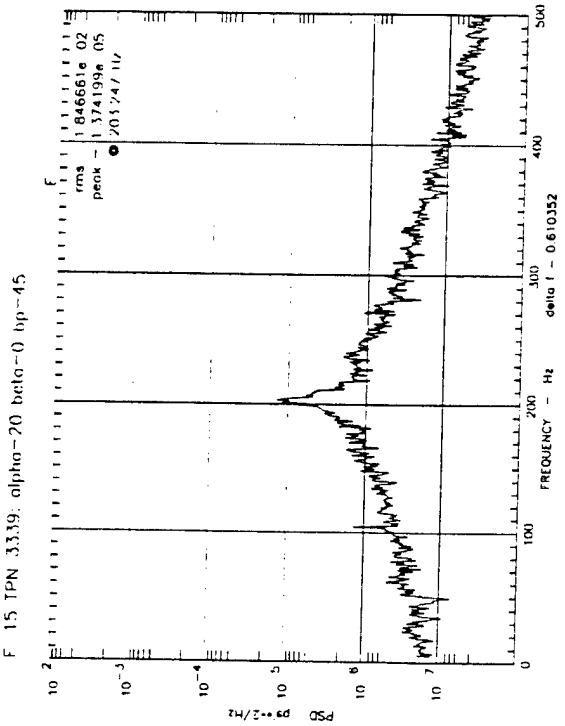

F 15 TPN 3339: alpha=20 beta=0 bp=45
B
rms = 3.153827e 02
peak = 2.930875e 05
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3339: alpha=20 beta=0 bp=45
A
rms = 2.828768e 02
peak = 1.637209e 05
@ 203.247 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

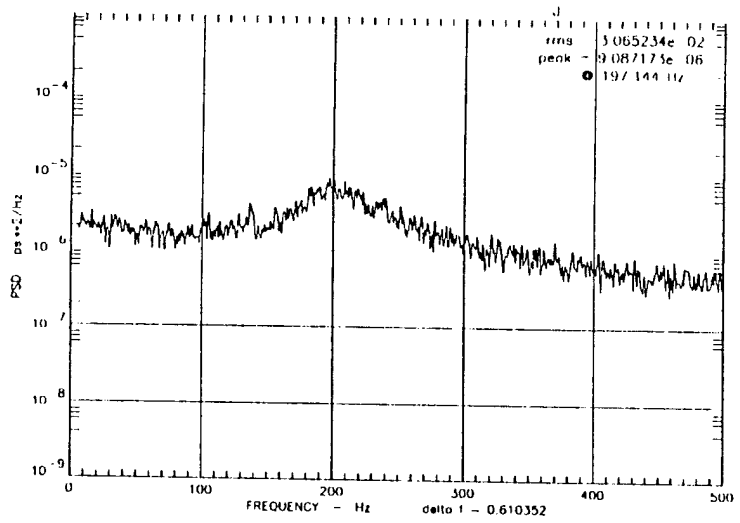

F 15 TPN 3339: alpha=20 beta=0 bp=45
H
rms = 3.809376e 02
peak = 1.624619e 05
@ 197.144 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3339: alpha=20 beta=0 bp=45
G
rms = 3.728328e 02
peak = 1.423310e 05
@ 197.144 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

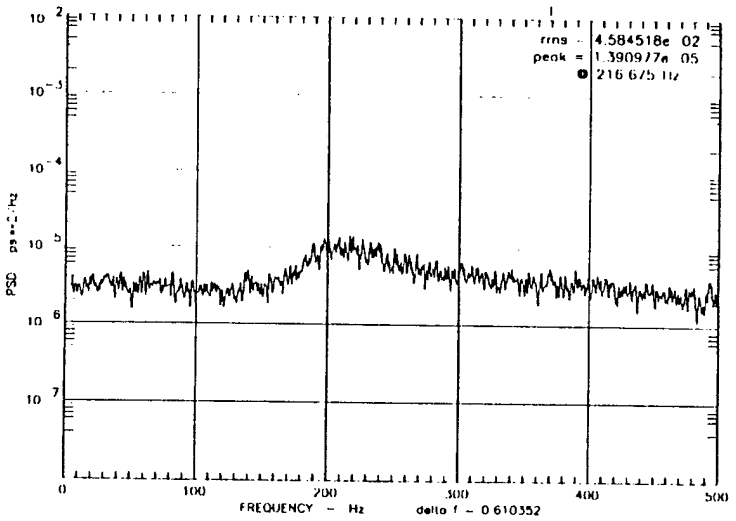

F 15 TPN 3339: alpha=20 beta=0 bp=45
F
rms = 4.139280e 02
peak = 5.986591e 05
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3339: alpha=20 beta=0 bp=45
F
rms = 1.846661e 02
peak = 1.374199e 05
@ 203.247 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

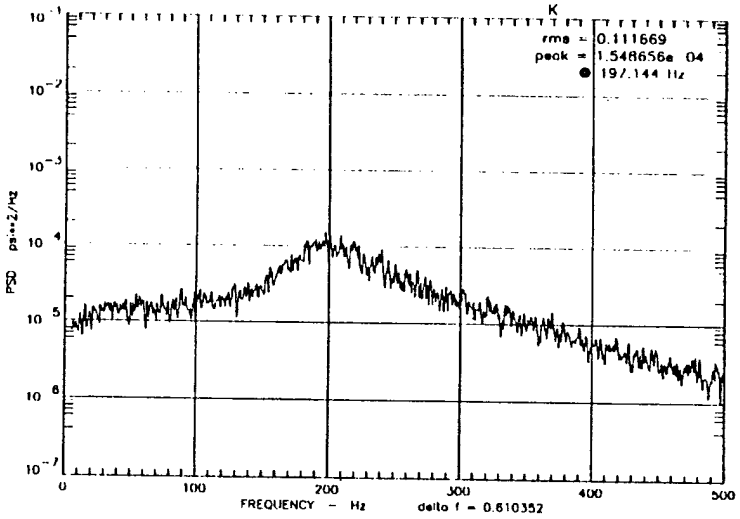
F 15 TPN 3339: alpha=20 beta=0 bp=45

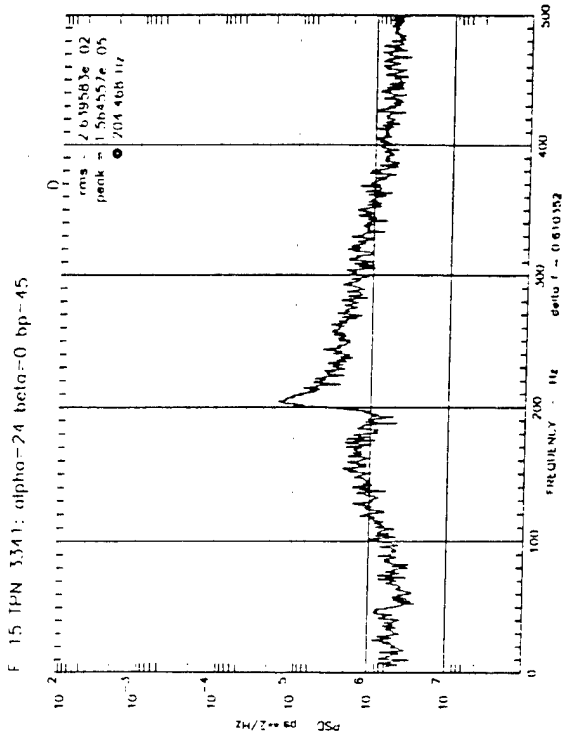


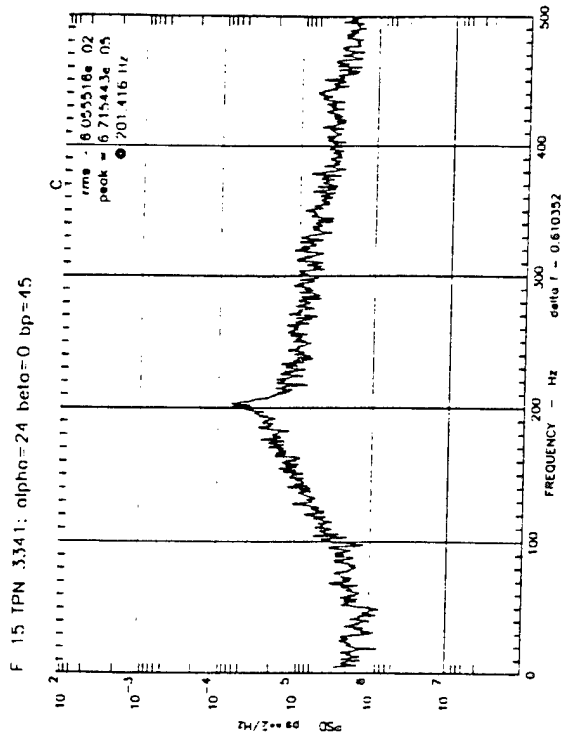
F 15 TPN 3339: alpha=20 beta=0 bp=45

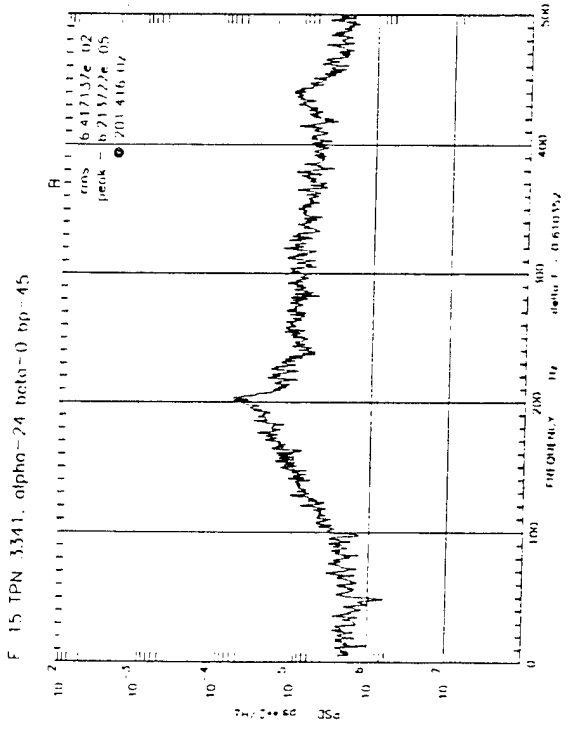


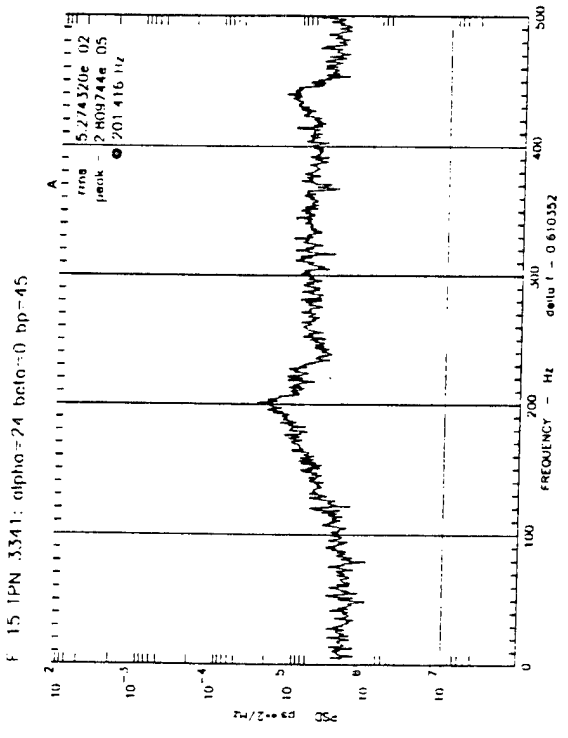
F 15 TPN 3339: alpha=20 beta=0 bp=45



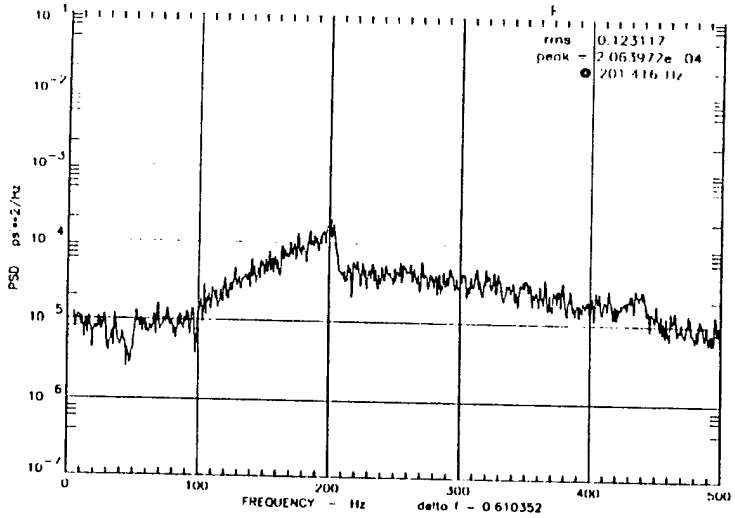

F 15 TPN 3341: alpha=24 beta=0 bp=45
D
rms = 2.695836e 02
peak = 1.584557e 05
@ 204.468 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3341: alpha=24 beta=0 bp=45
C
rms = 8.055516e 02
peak = 6.715443e 05
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

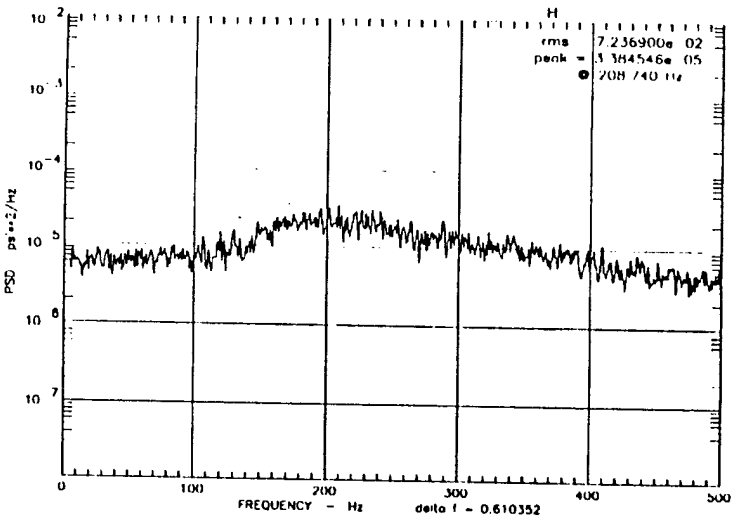

F 15 TPN 3341: alpha=24 beta=0 bp=45
B
rms = 6.417137e 02
peak = 5.215222e 05
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3341: alpha=24 beta=0 bp=45
A
rms = 5.274320e 02
peak = 2.809744e 05
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

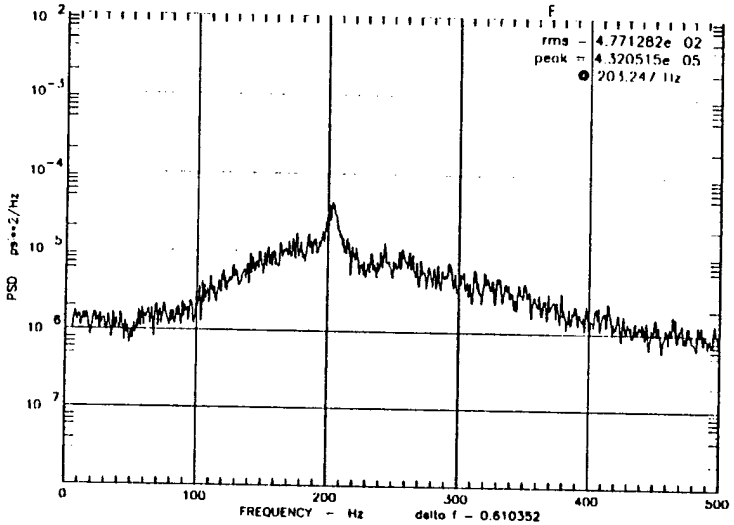
F 15 TPN 3341: alpha=24 beta=0 bp=45



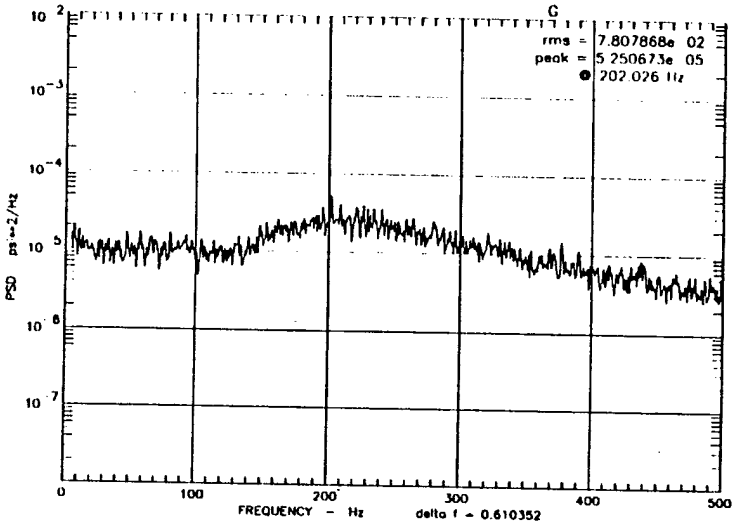
F 15 TPN 3341: alpha=24 beta=0 bp=45



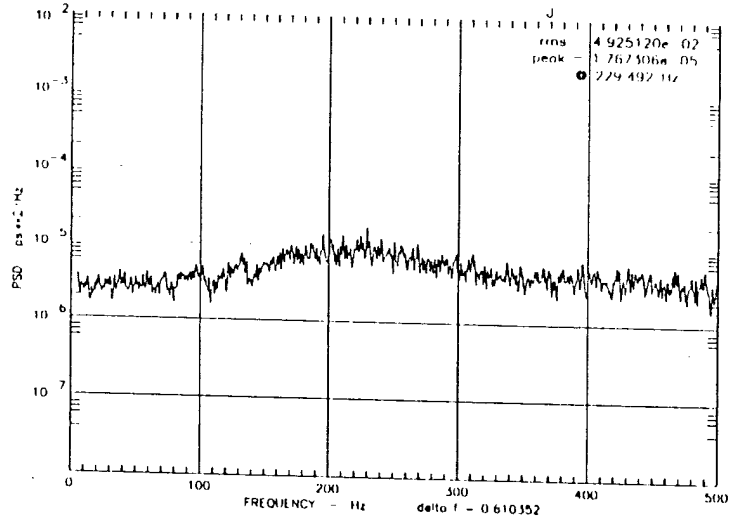
F 15 TPN 3341: alpha=24 beta=0 bp=45



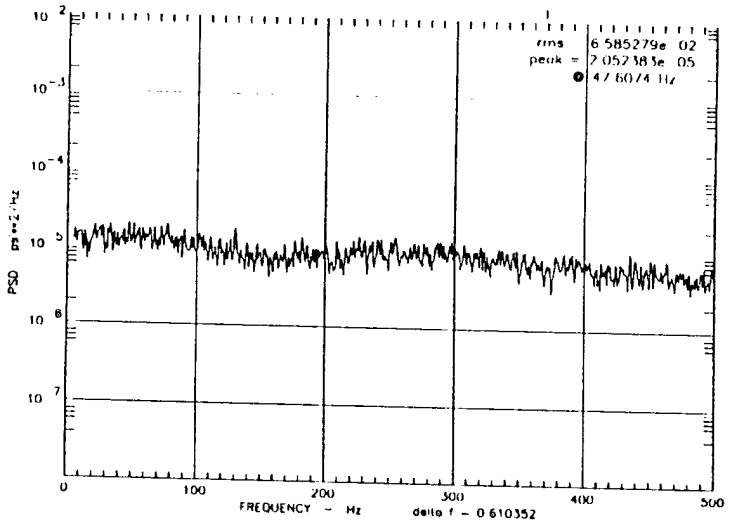
F 15 TPN 3341: alpha=24 beta=0 bp=45



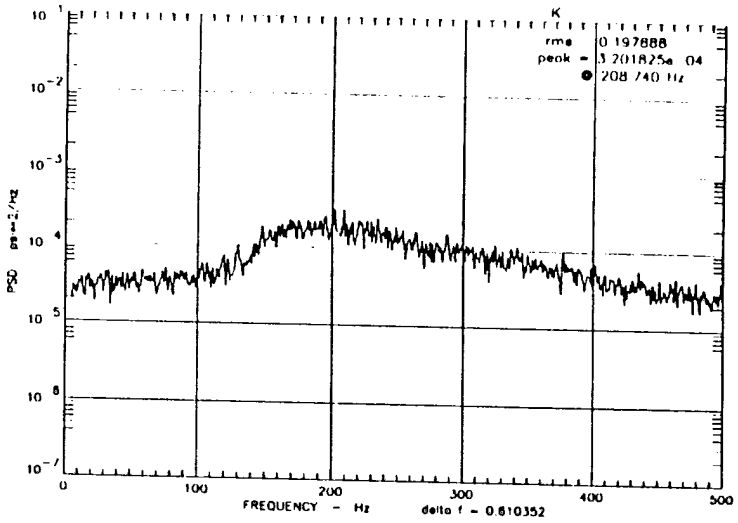
F 15 TPN 3341: alpha=24 beta=0 bp=45



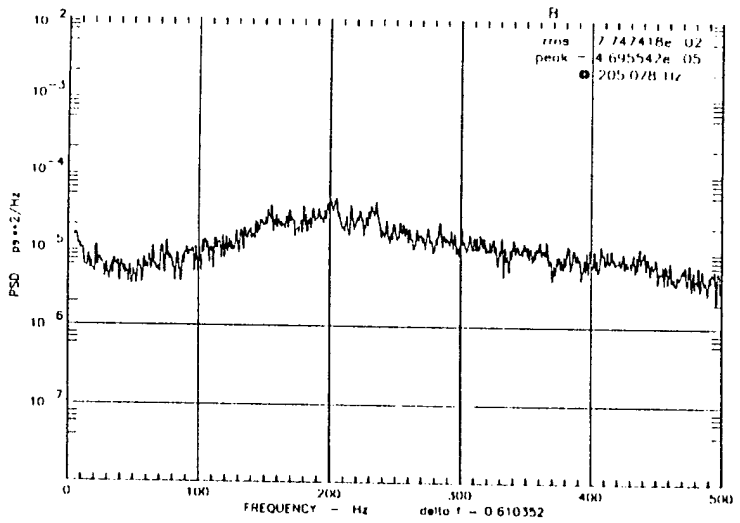
F 15 TPN 3341: alpha=24 beta=0 bp=45



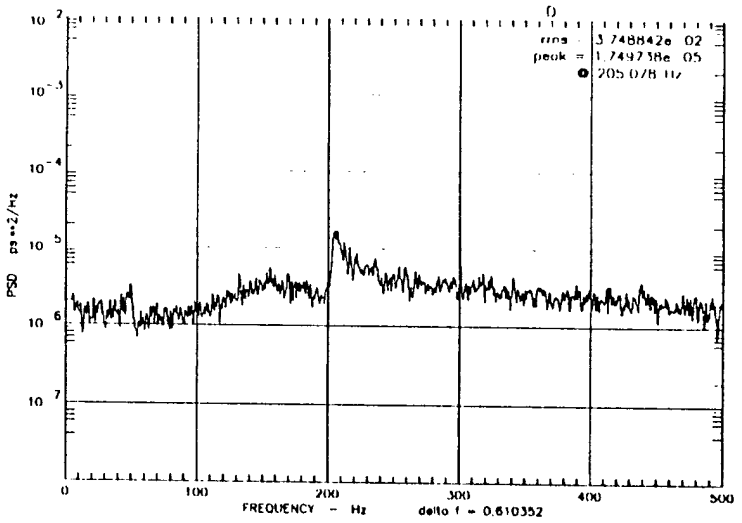
F 15 TPN 3341: alpha=24 beta=0 bp=45



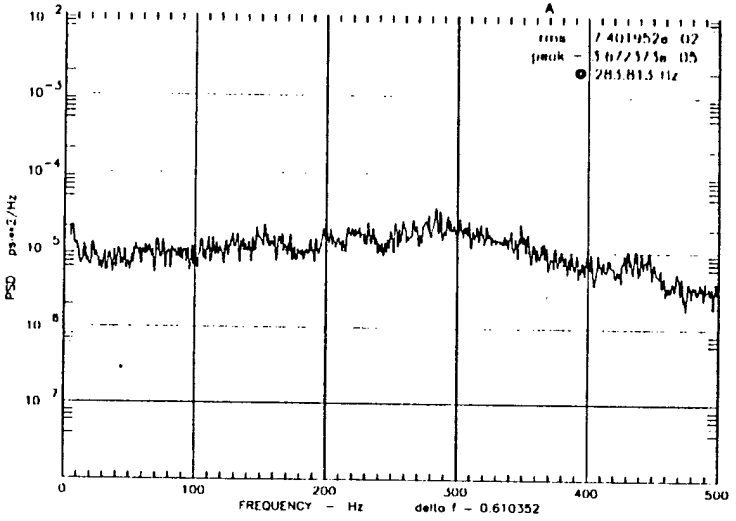
F 15 TPN 3342: alpha=28 beta=0 bp=45



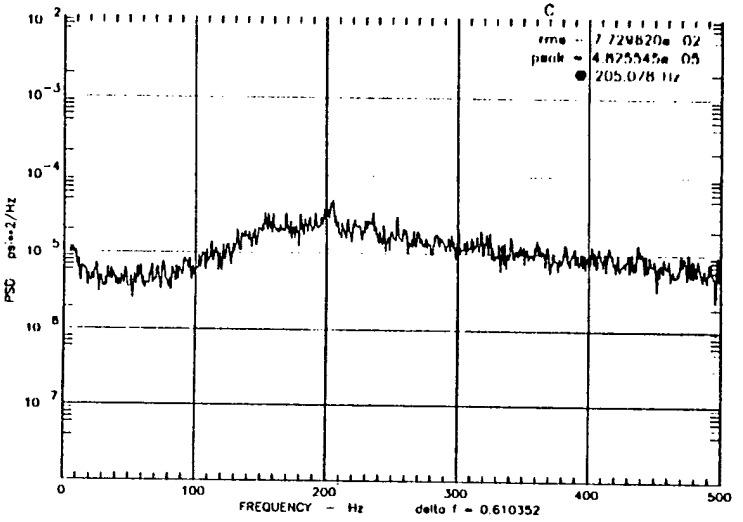
F 15 TPN 3342: alpha=28 beta=0 bp=45

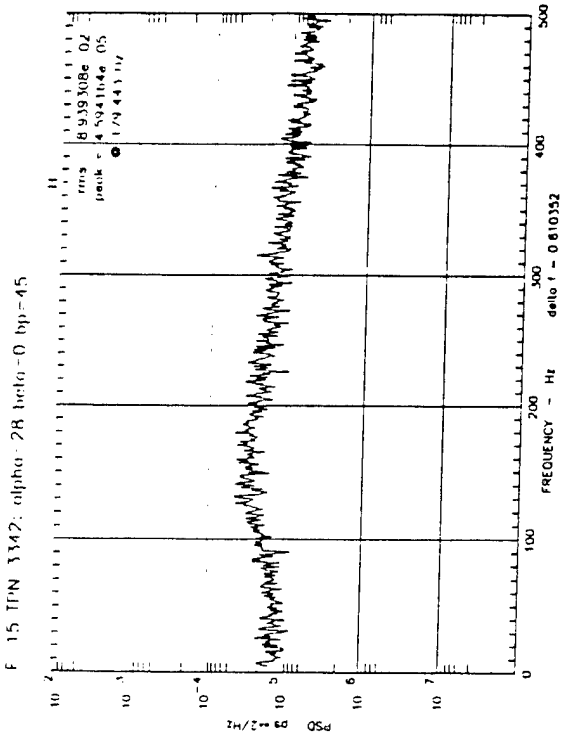


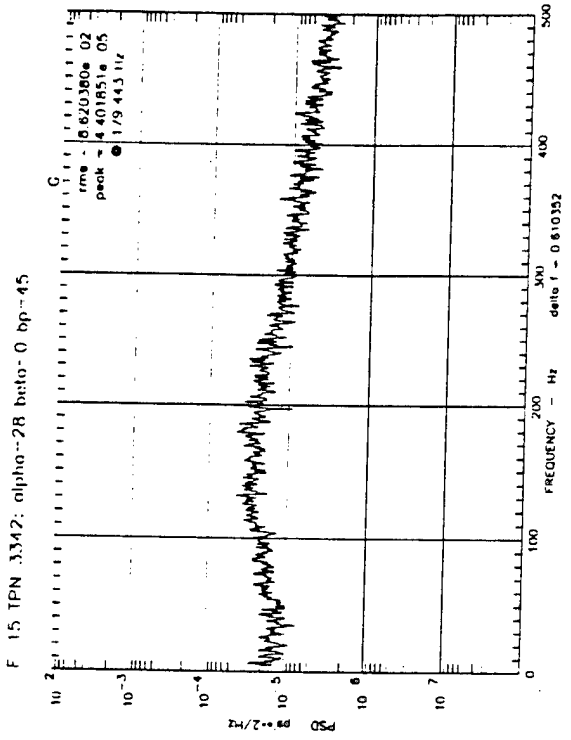
F 15 TPN 3342: alpha=28 beta=0 bp=45

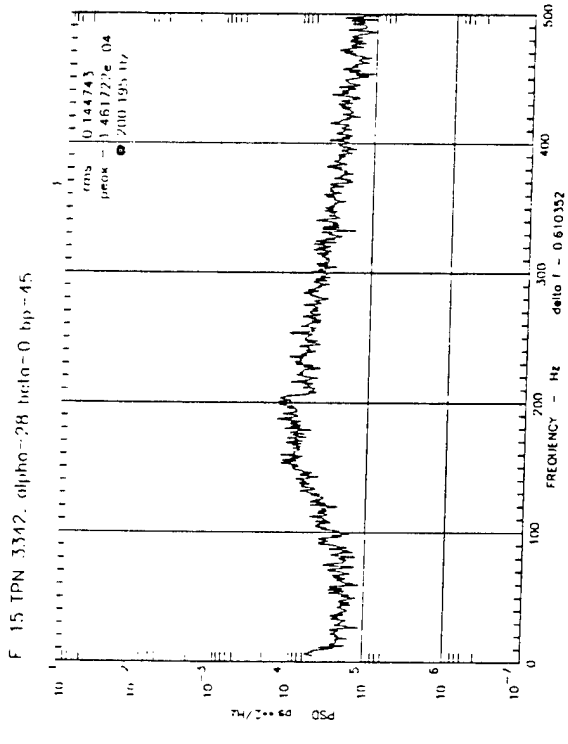


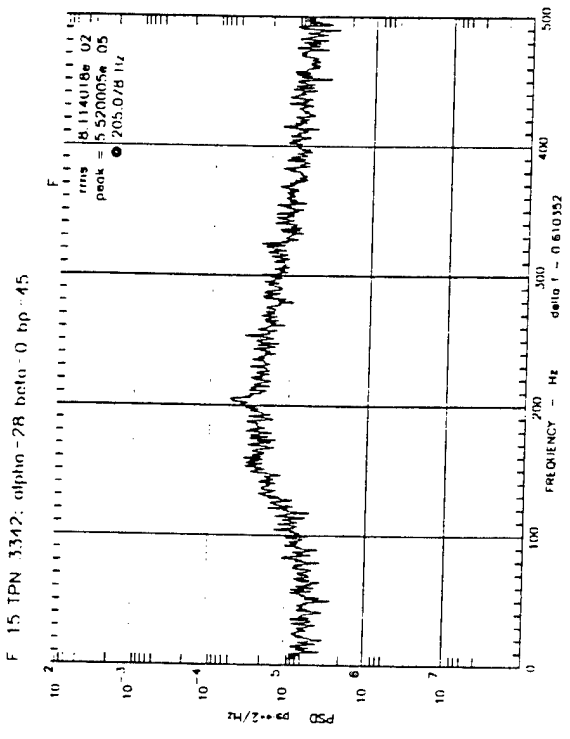
F 15 TPN 3342: alpha=28 beta=0 bp=45



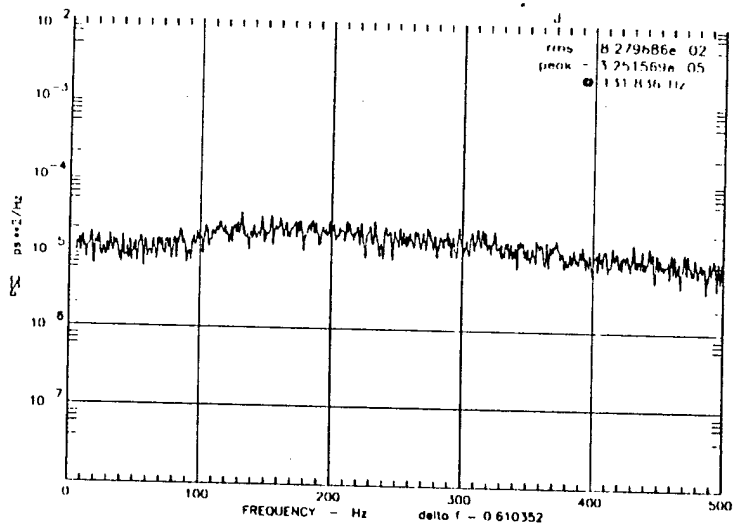

F 15 TPN 3342: alpha=28 beta=0 bp=45
H
rms = 8.939308e 02
peak = 4.594114e 05
@ 179.443 Hz
PSD g**2/Hz
FREQUENCY = Hz
delta f = 0.610352


F 15 TPN 3342: alpha=28 beta=0 bp=45
G
rms = 8.620380e 02
peak = 4.401851e 05
@ 179.443 Hz
PSD g**2/Hz
FREQUENCY = Hz
delta f = 0.610352

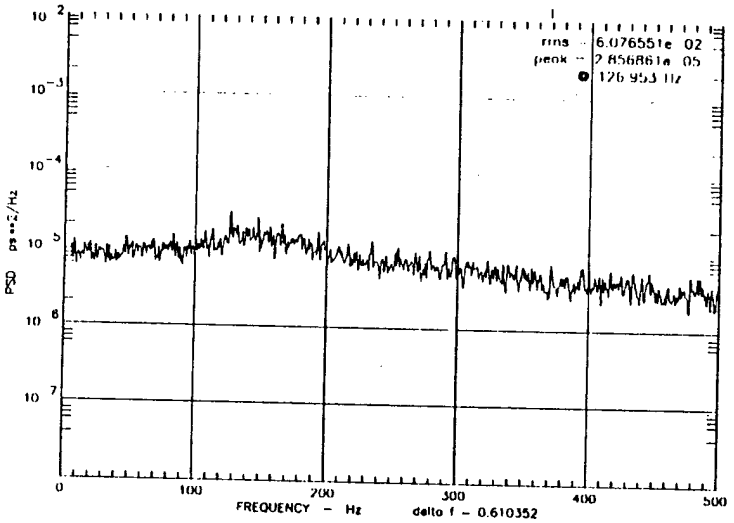

F 15 TPN 3342: alpha=28 beta=0 bp=45
I
rms = 0.144743
peak = 1.461222e 04
@ 200.195 Hz
PSD g**2/Hz
FREQUENCY = Hz
delta f = 0.610352


F 15 TPN 3342: alpha=28 beta=0 bp=45
F
rms = 8.114018e 02
peak = 5.520005e 05
@ 205.078 Hz
PSD g**2/Hz
FREQUENCY = Hz
delta f = 0.610352

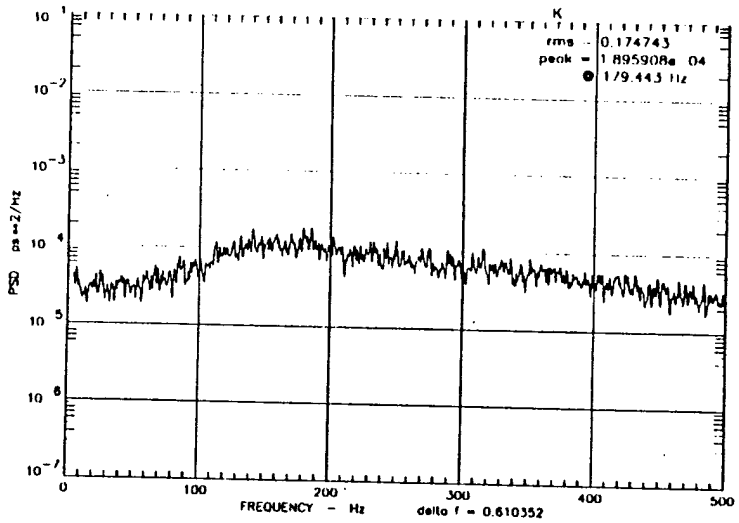
F 15 TPN 3342: alpha=28 beta=0 bp=45



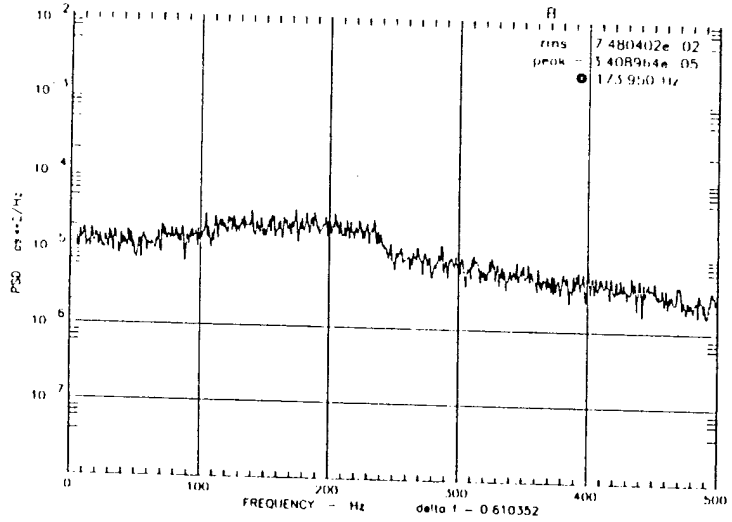
F 15 TPN 3342: alpha=28 beta=0 bp=45



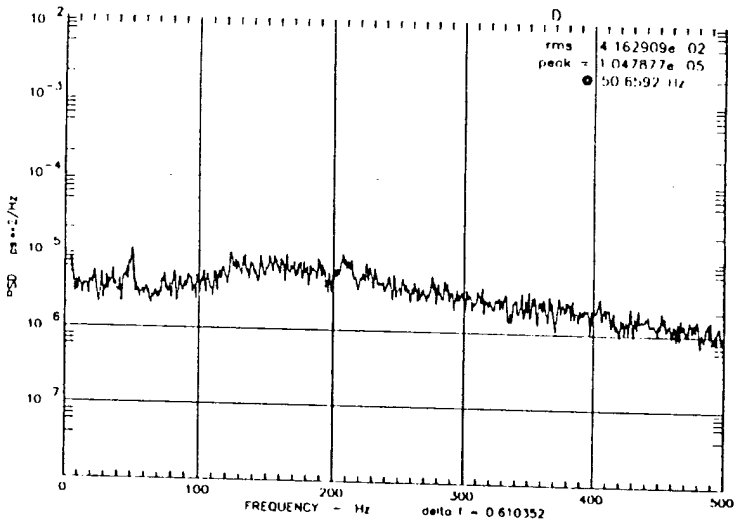
F 15 TPN 3342: alpha=28 beta=0 bp=45



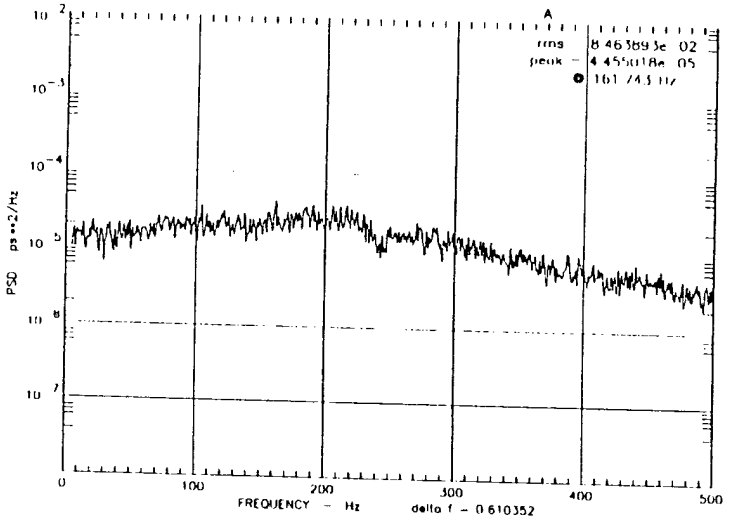
F 15 TPN 3343: alpha=32 beta=0 bp 45



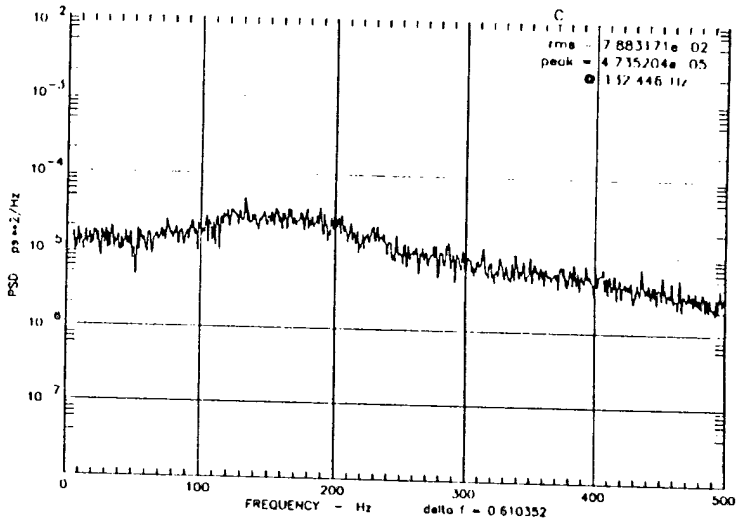
F 15 TPN 3343: alpha=32 beta=0 bp=45

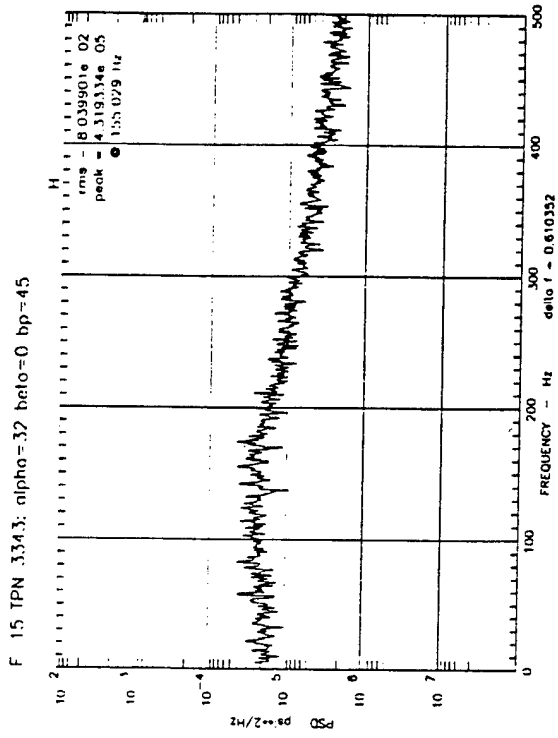


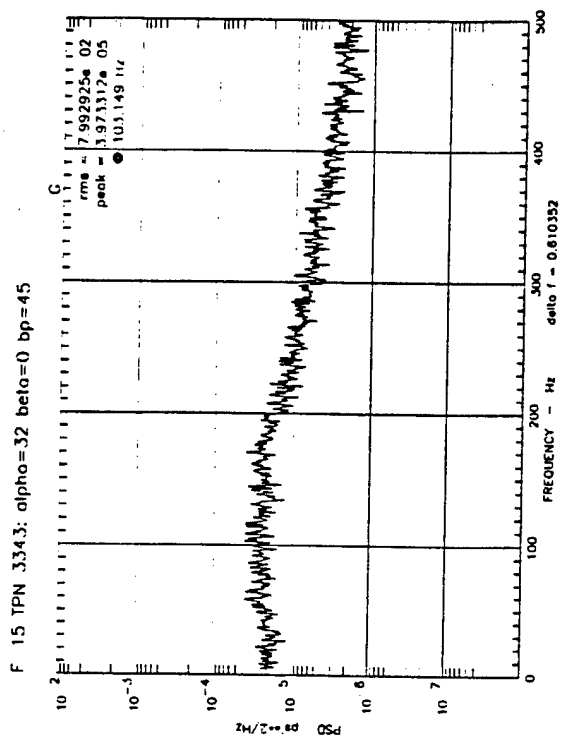
F 15 TPN 3343: alpha=32 beta=0 bp=45

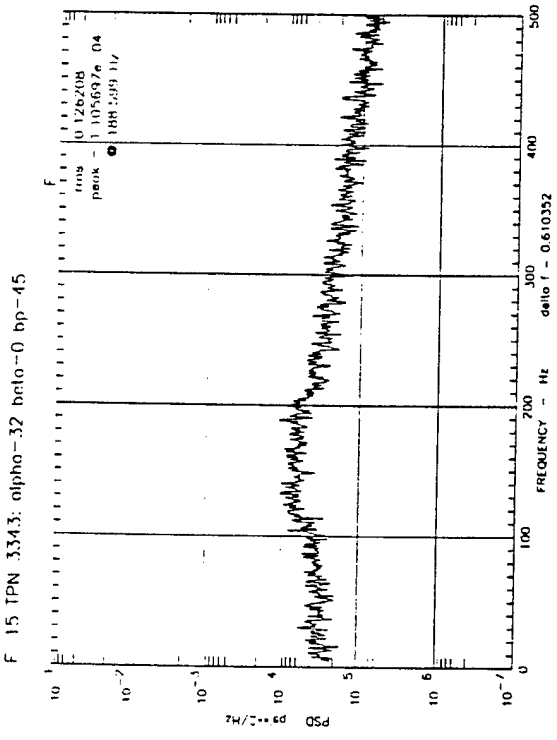


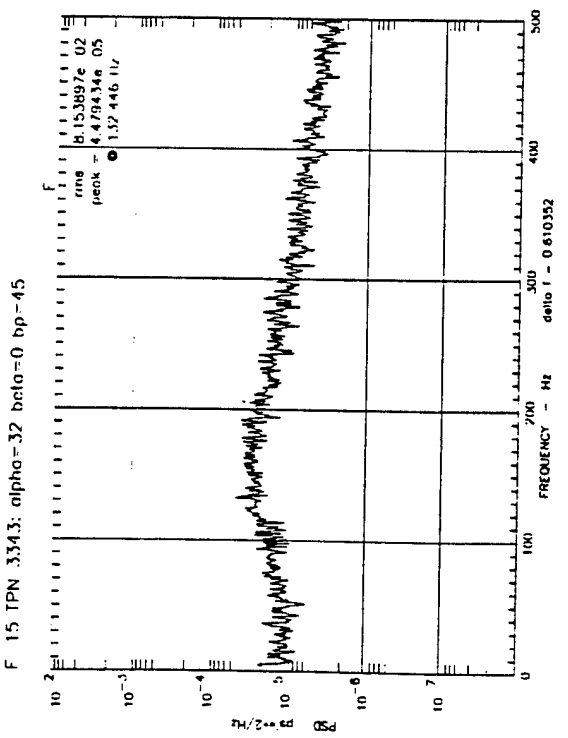
F 15 TPN 3343: alpha=32 beta=0 bp=45

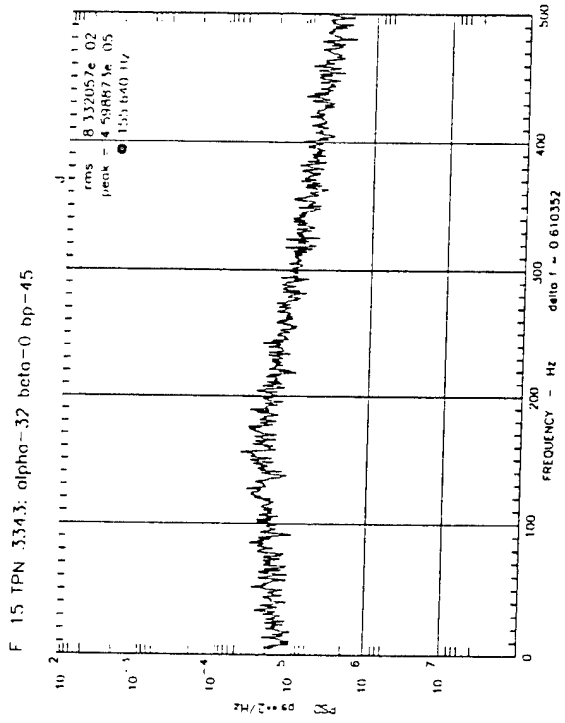


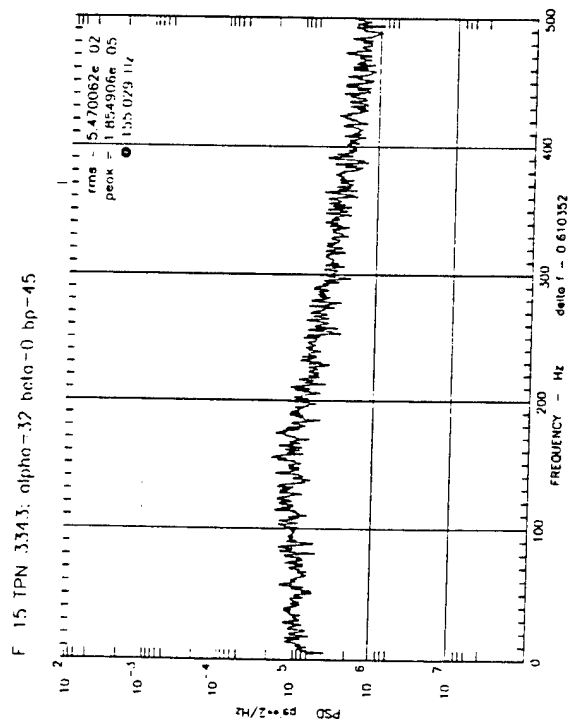

F 15 TPN 3343: alpha=32 beta=0 bp=45
H
rms = 8.039901e 02
peak = 4.319134e 05
@ 155.029 Hz
PSD p8**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3343: alpha=32 beta=0 bp=45
G
rms = 7.992925e 02
peak = 3.971312e 05
@ 103.149 Hz
PSD p8**2/Hz
FREQUENCY - Hz
delta f = 0.610352

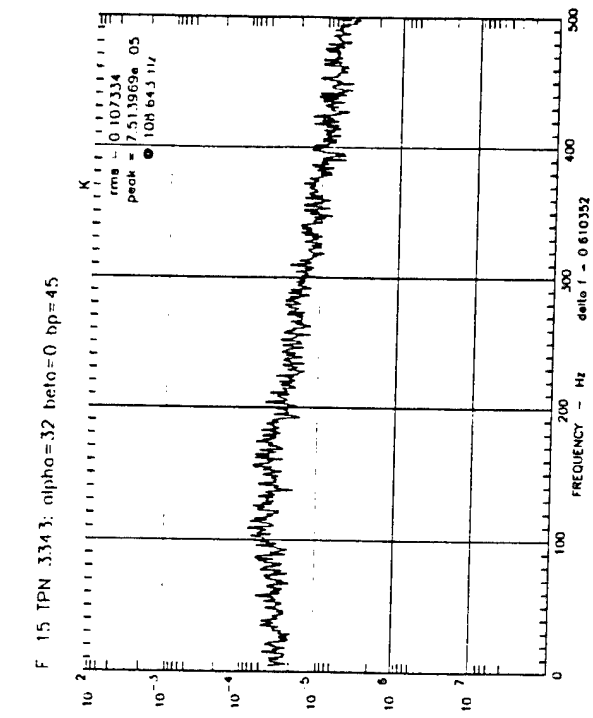

F 15 TPN 3343: alpha=32 beta=0 bp=45
F
rms = 0.126208
peak = 1.105697e 04
@ 188.599 Hz
PSD p8**2/Hz
FREQUENCY - Hz
delta f = 0.610352

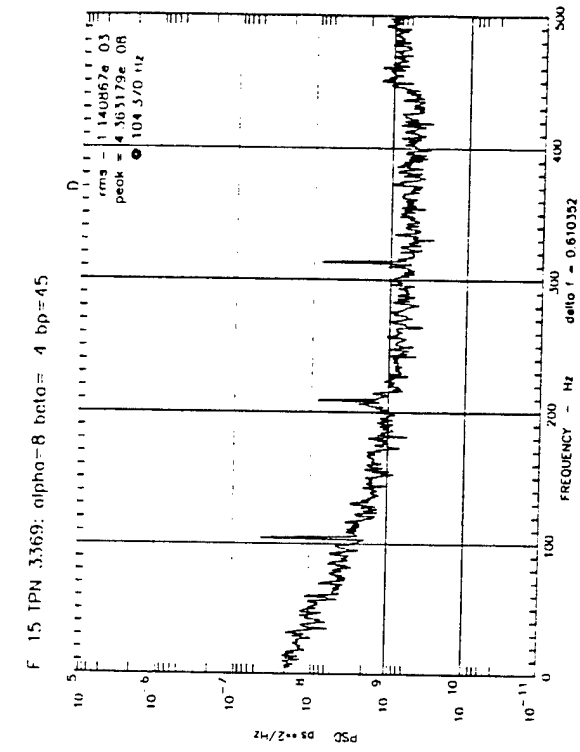

F 15 TPN 3343: alpha=32 beta=0 bp=45
F
rms = 8.153897e 02
peak = 4.479434e 05
@ 132.446 Hz
PSD p8**2/Hz
FREQUENCY - Hz
delta f = 0.610352

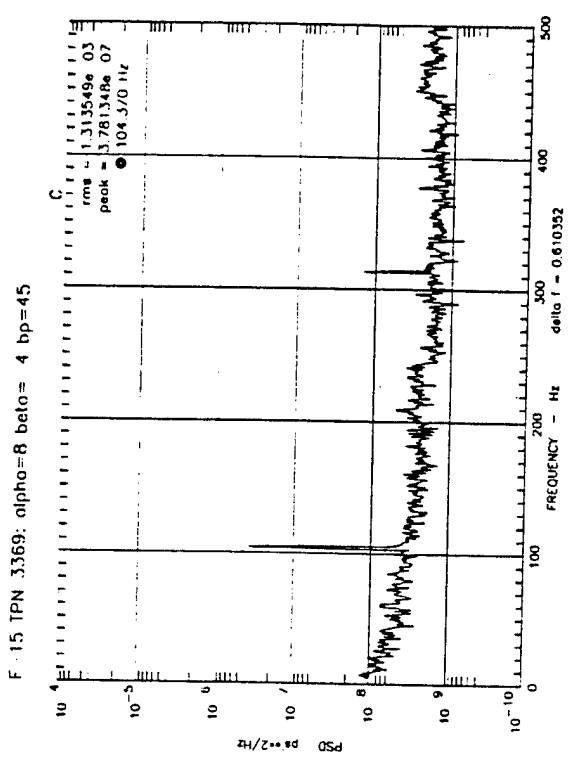

F 15 TPN 3343: alpha=32 beta=0 bp=45
PSD p9**-2/Hz
FREQUENCY - Hz
delta f = 0.610352

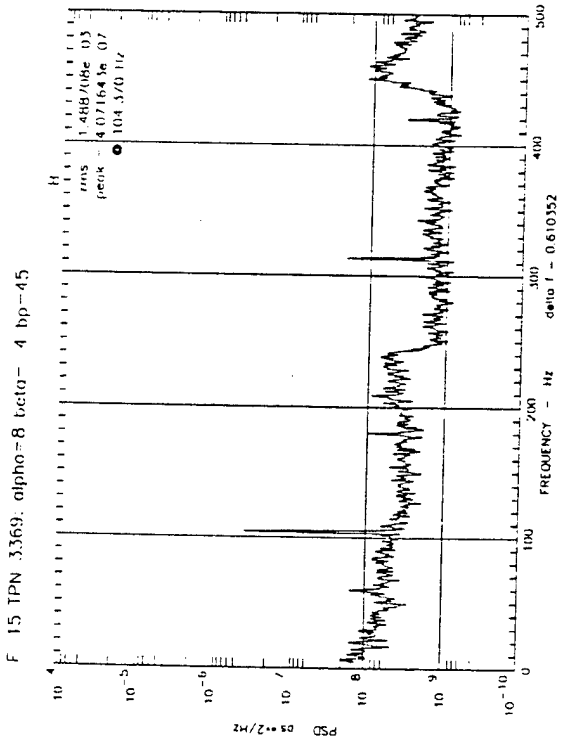

F 15 TPN 3343: alpha=32 beta=0 bp=45
PSD p9**-2/Hz
FREQUENCY - Hz
delta f = 0.610352

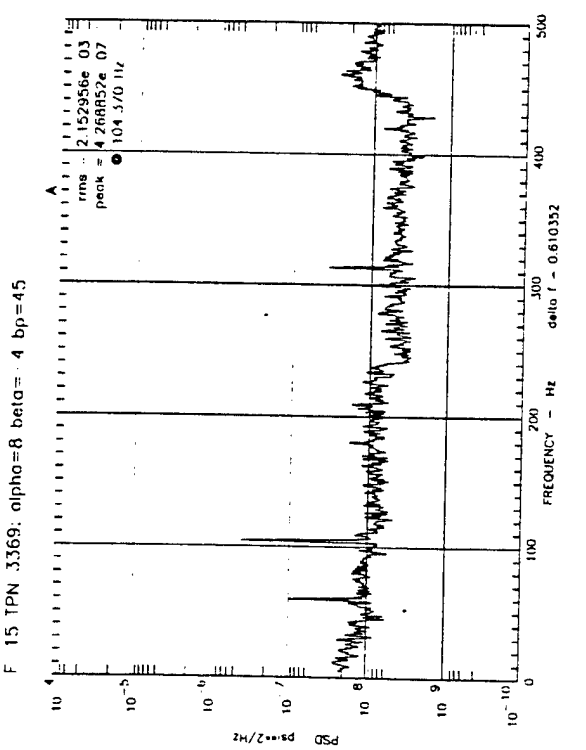
F 15 TPN 3343: alpha=32 beta=0 bp=45
PSD p9**-2/Hz
FREQUENCY - Hz
delta f = 0.610352

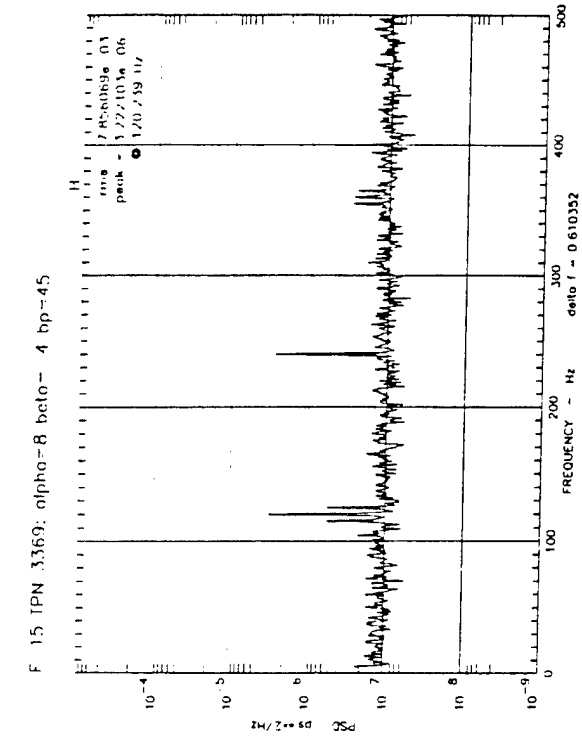

F 15 TPN 3343: alpha=32 beta=0 bp=45
PSD p9**-2/Hz
FREQUENCY - Hz
delta f = 0.610352

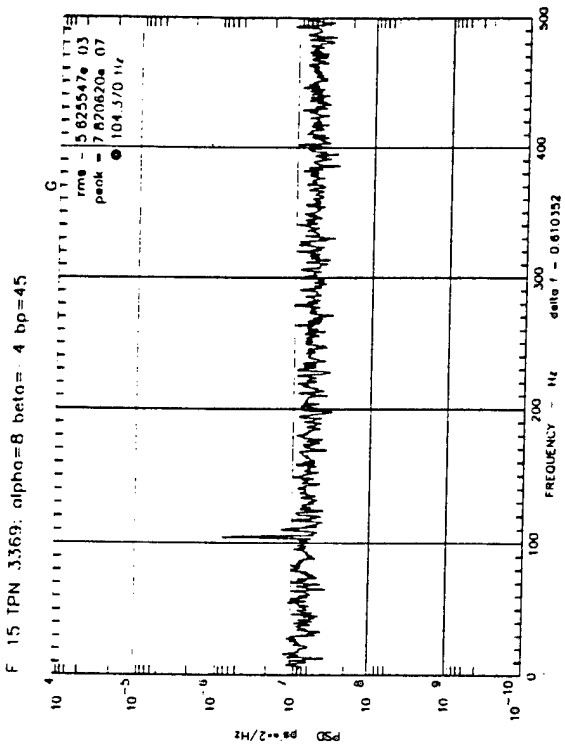

F 15 TPN 3369: alpha=8 beta= 4 bp=45
D
rms = 1.140867e 03
peak = 4.361179e 08
104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

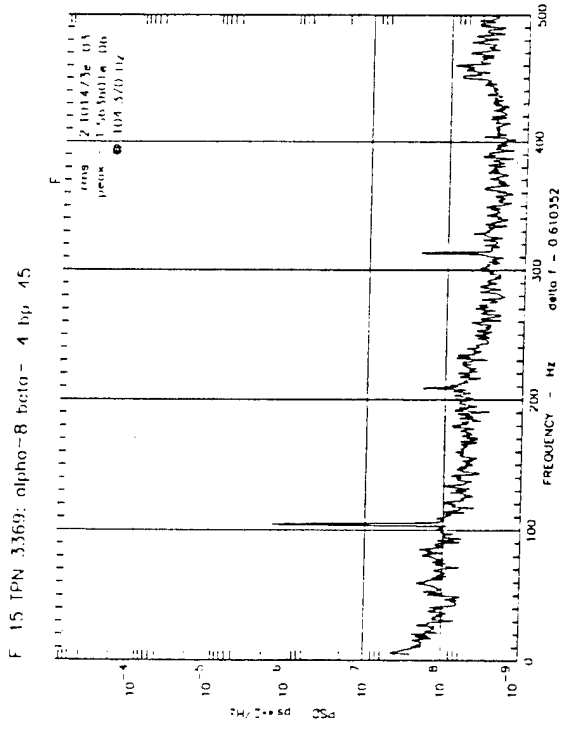

F 15 TPN 3369: alpha=8 beta= 4 bp=45
C
rms = 1.313549e 03
peak = 3.781348e 07
104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

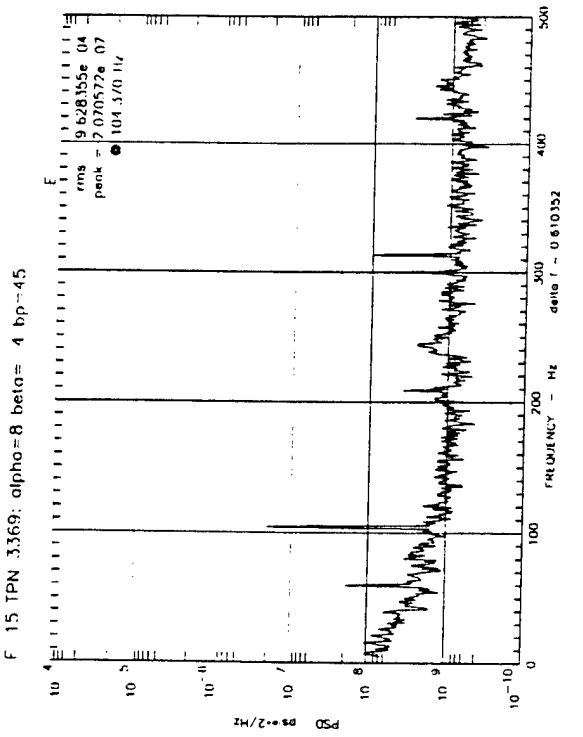

F 15 TPN 3369: alpha=8 beta= 4 bp=45
H
rms = 1.488108e 03
peak = 4.071647e 07
104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3369: alpha=8 beta= 4 bp=45
A
rms = 2.152956e 03
peak = 4.268852e 07
104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

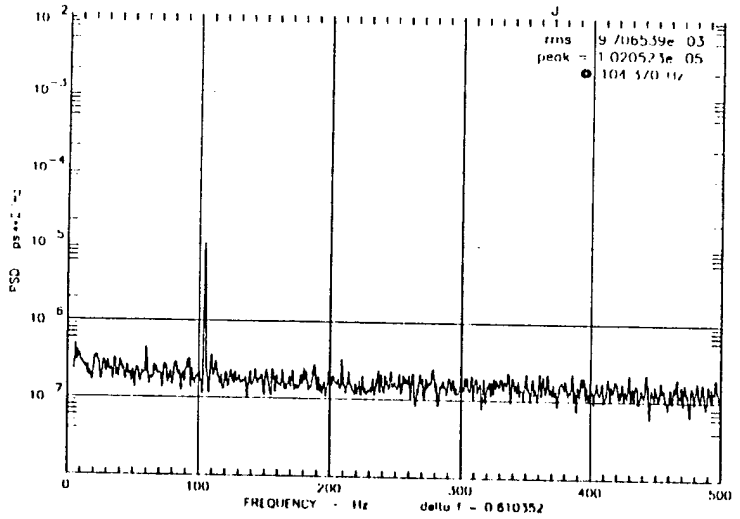

F 15 TPN 3369: alpha=8 beta= 4 bp=45
H
rms = 7.860869e 03
peak = 1.222105e 06
@ 120.759 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3369: alpha=8 beta= 4 bp=45
G
rms = 5.825547e 03
peak = 7.870620e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

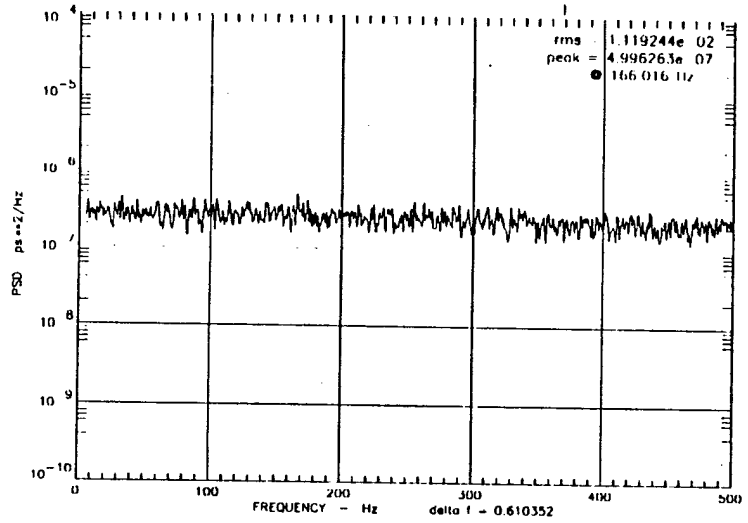

F 15 TPN 3369: alpha=8 beta= 4 bp=45
F
rms = 2.101473e 03
peak = 1.750901e 06
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3369: alpha=8 beta= 4 bp=45
E
rms = 9.628355e 04
peak = 7.070572e 07
@ 104.370 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

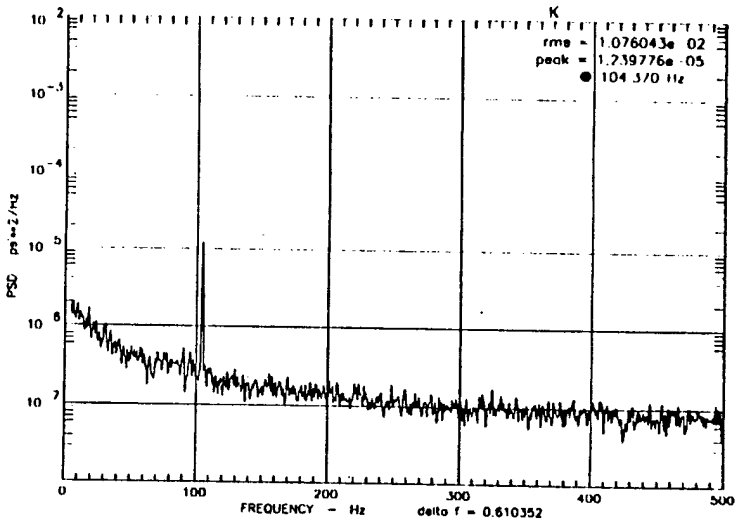
F 15 TPN 3369; alpha=8 beta=-4 bp=45



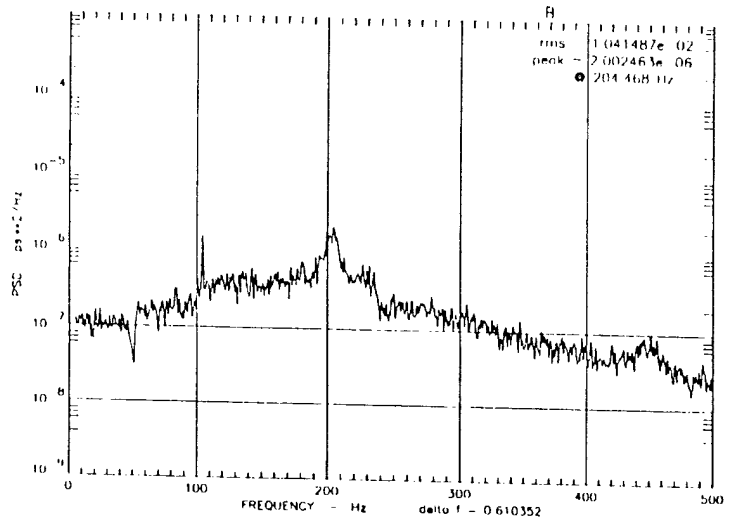
F 15 TPN 3369; alpha=8 beta=-4 bp=45



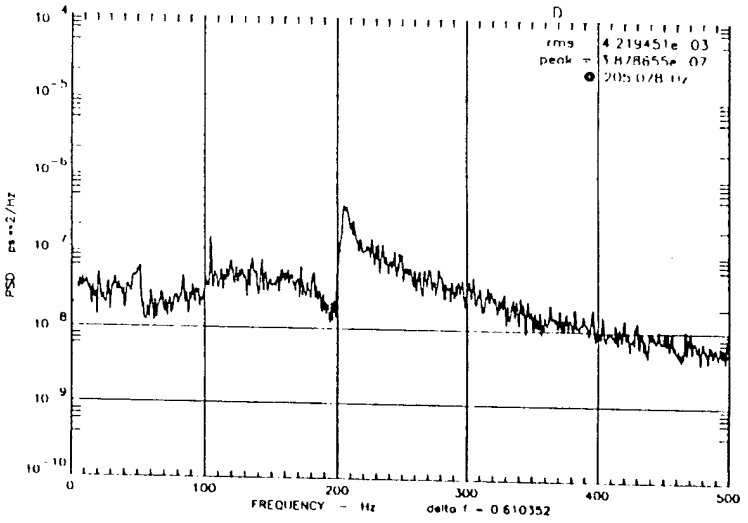
F 15 TPN 3369; alpha=8 beta=-4 bp=45



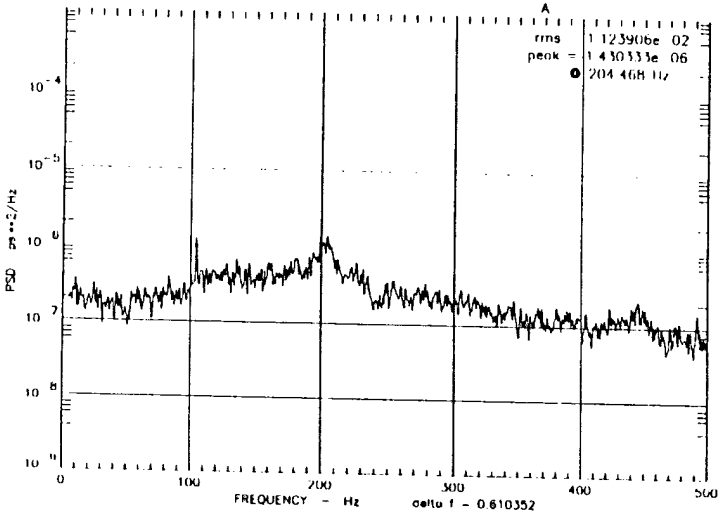
F 15 TPN 3373: alpha=16 beta= 4 bp=45



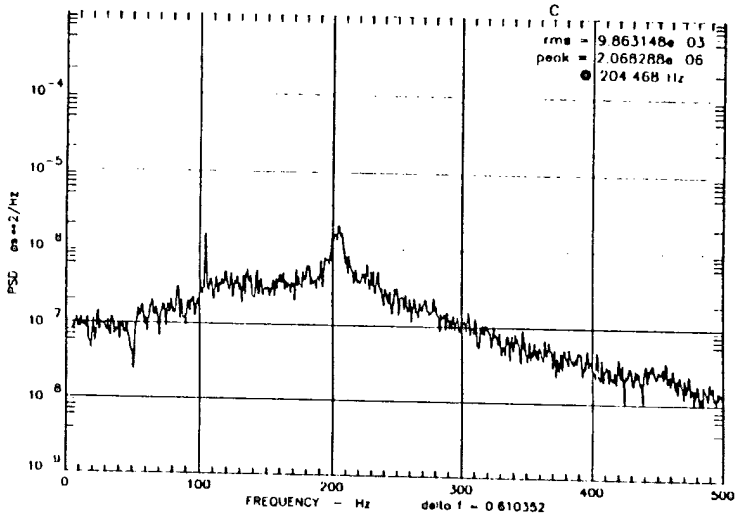
F 15 TPN 3373: alpha=16 beta= 4 bp=45

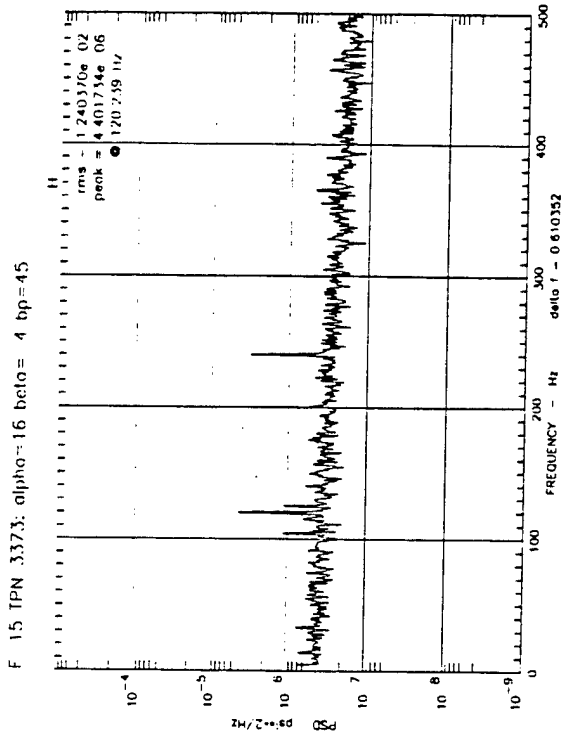


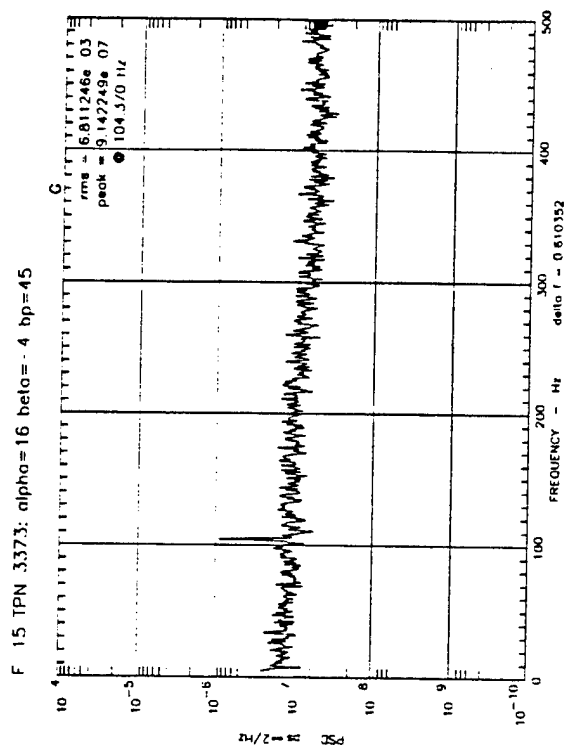
F 15 TPN 3373: alpha=16 beta= 4 bp=45

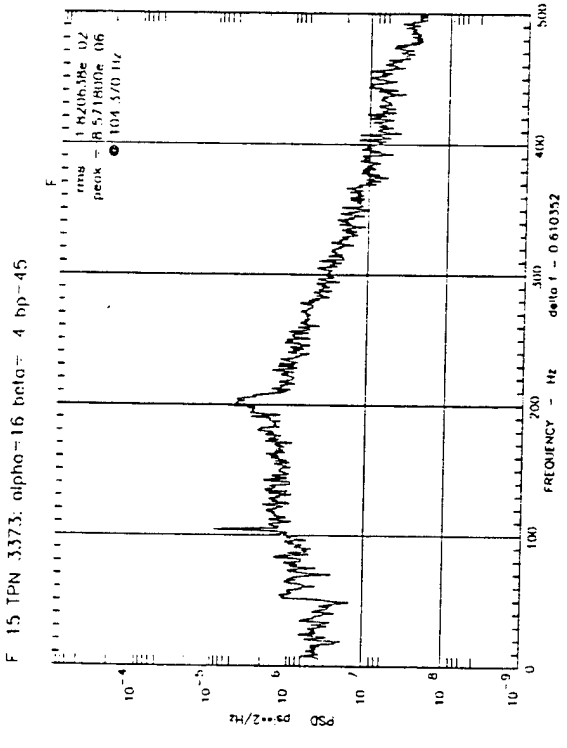


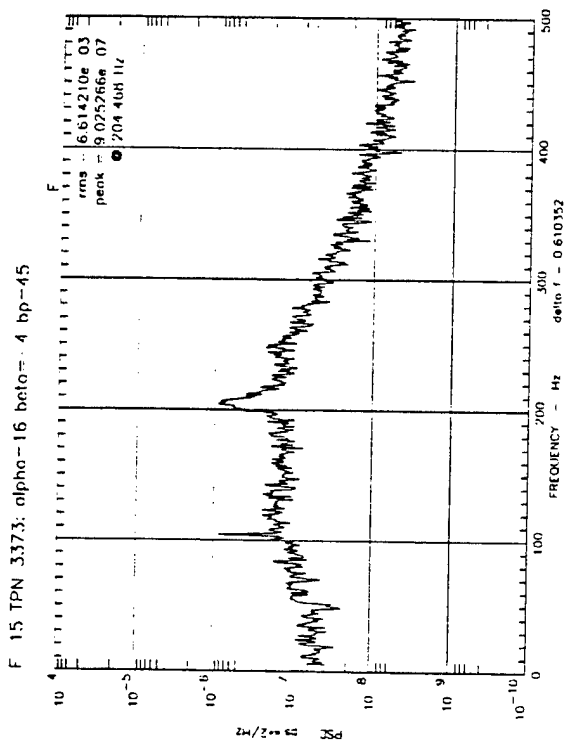
F 15 TPN 3373: alpha=16 beta= 4 bp=45



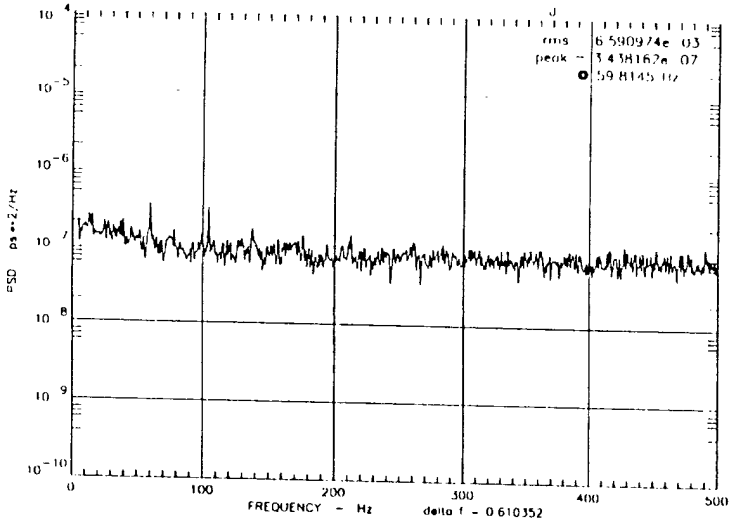

F 15 TPN 3373: alpha=16 beta= 4 bp=45
H
rms = 1.240370e 02
peak = 4.401734e 06
@ 120.239 Hz
PSD p$**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3373: alpha=16 beta= 4 bp=45
G
rms = 6.811246e 03
peak = 9.142249e 07
@ 104.370 Hz
PSD p$**2/Hz
FREQUENCY - Hz
delta f = 0.610352

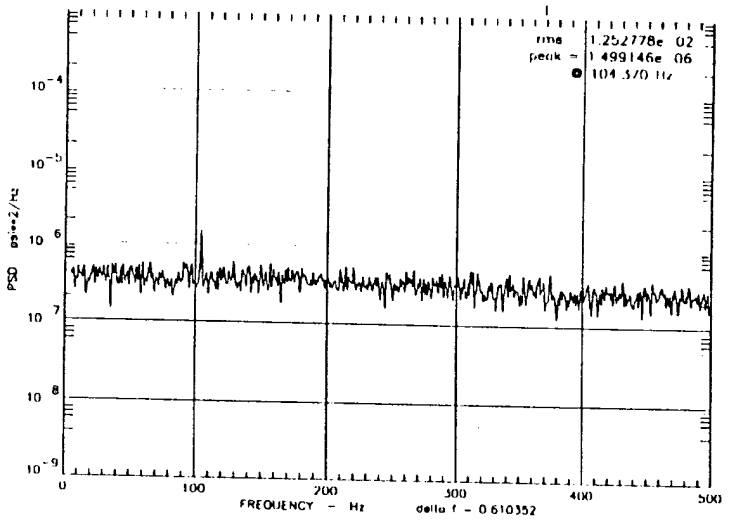

F 15 TPN 3373: alpha=16 beta= 4 bp=45
F
rms = 1.142038e 02
peak = 8.571810e 06
@ 104.370 Hz
PSD p$**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3373: alpha=16 beta= 4 bp=45
F
rms = 6.614210e 03
peak = 9.025266e 07
@ 204.408 Hz
PSD p$**2/Hz
FREQUENCY - Hz
delta f = 0.610352

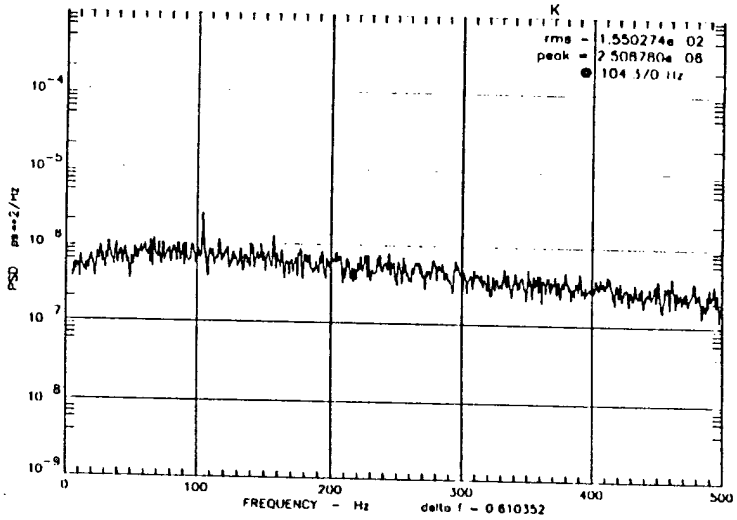
F 15 TPN 3373: alpha=16 beta= 4 bp=45



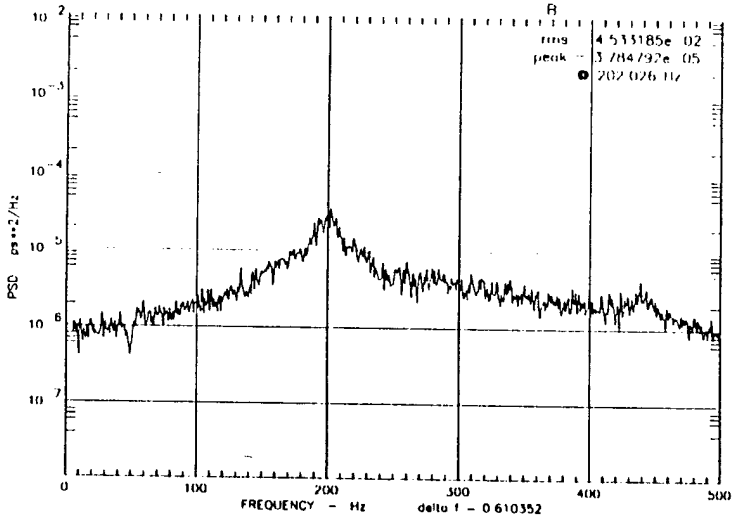
F 15 TPN 3373: alpha=16 beta= -4 bp=45



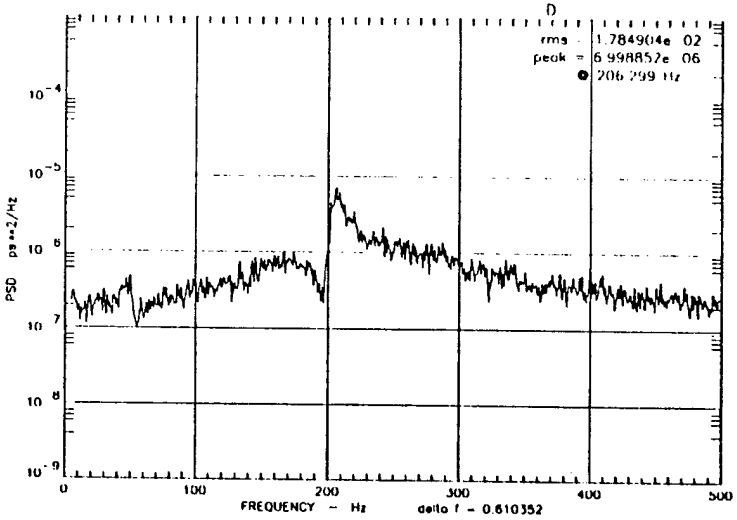
F-15 TPN 3373: alpha=16 beta=-4 bp=45



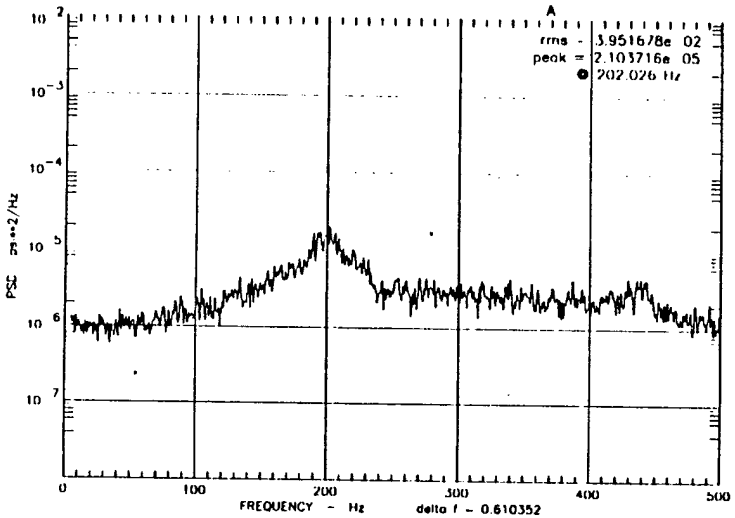
F 15 TPN 3375: alpha=20 beta= 4 bp=45



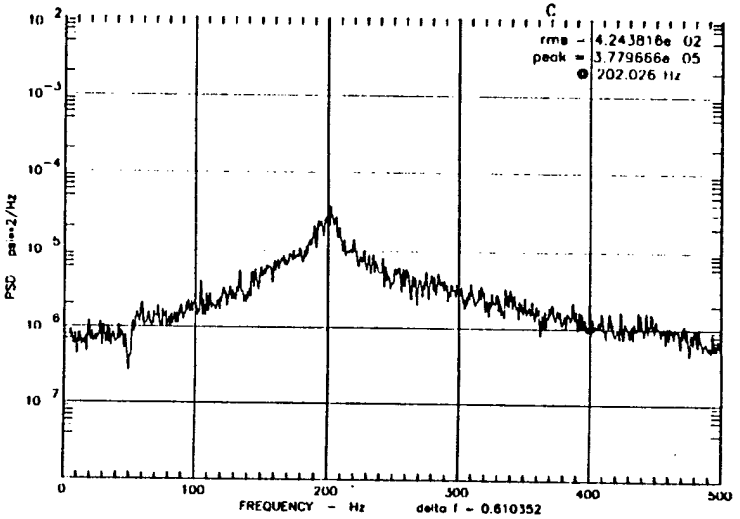
F 15 TPN 3375: alpha=20 beta= 4 bp=45

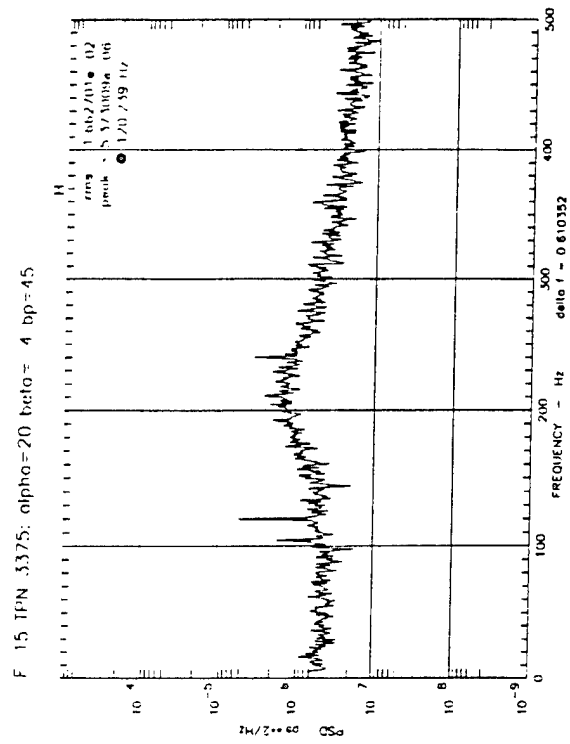


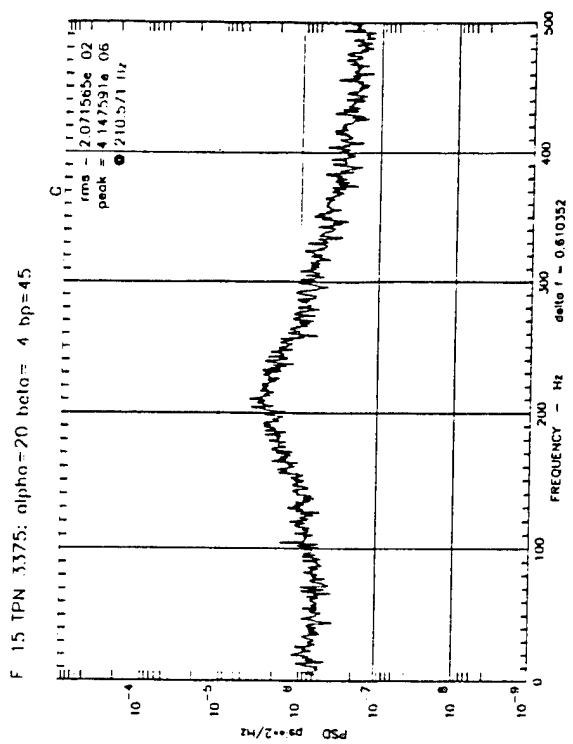
F 15 TPN 3375: alpha=20 beta= 4 bp=45

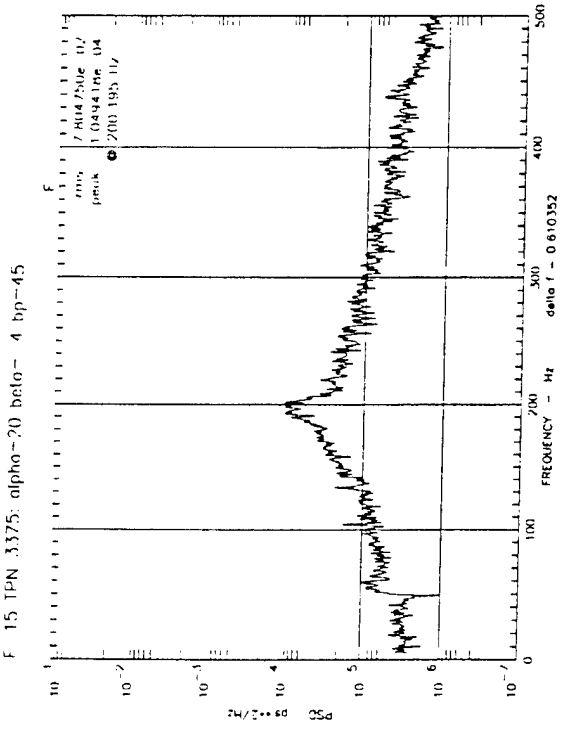


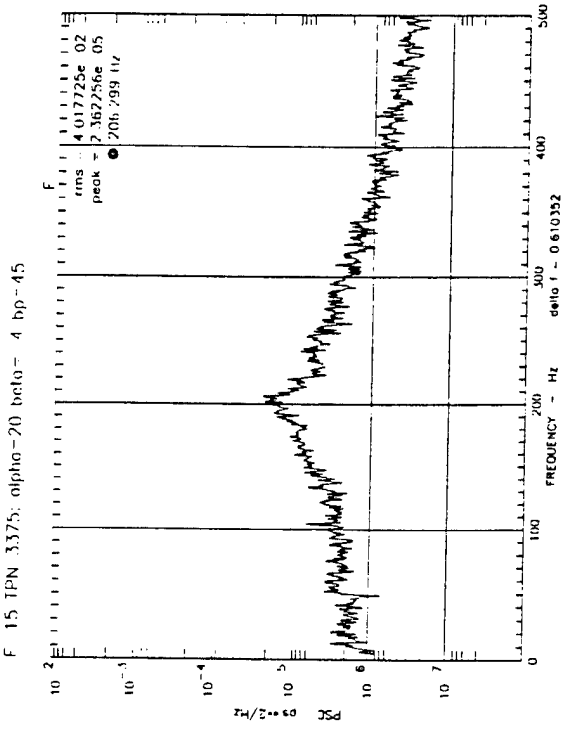
F 15 TPN 3375: alpha=20 beta=-4 bp=45



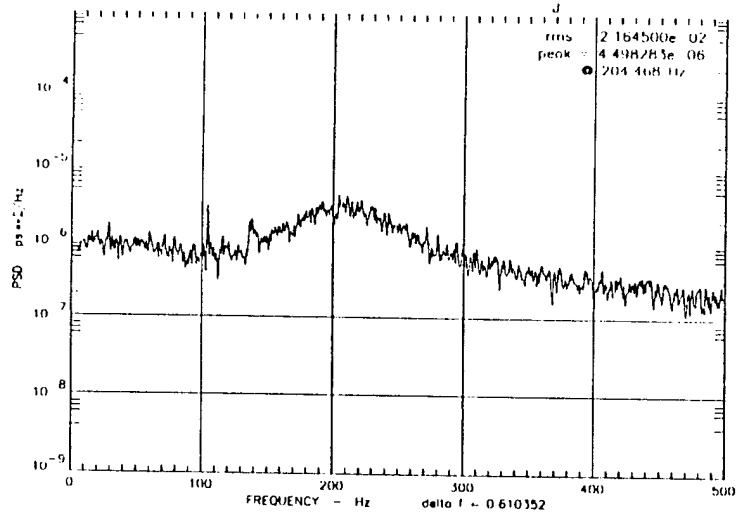

F 15 TPN 3375: alpha=20 beta= 4 bp=45
H
rms = 1.6b2701e 02
peak = 5.930b9e 06
@ 200.799 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3375: alpha=20 beta= 4 bp=45
G
rms = 2.071565e 02
peak = 4.147591e 06
@ 210.571 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

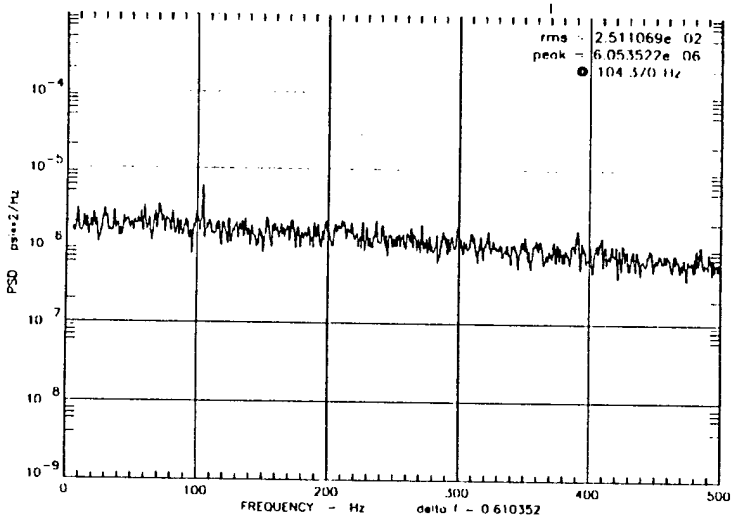

F 15 TPN 3375: alpha=20 beta= 4 bp=45
F
rms = 1.034196e 04
@ 200.195 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3375: alpha=20 beta= 4 bp=45
F
rms = 4.017725e 02
peak = 2.362756e 05
@ 200.799 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

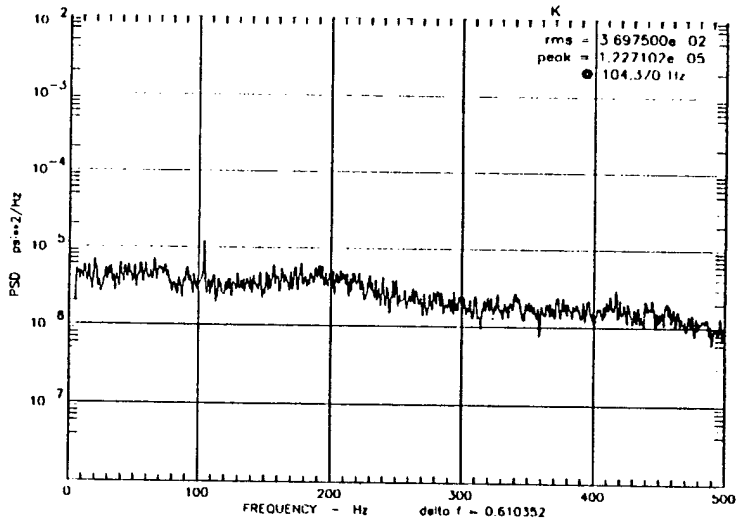
F-15 TPN 3375: alpha=20 beta=-4 bp=45

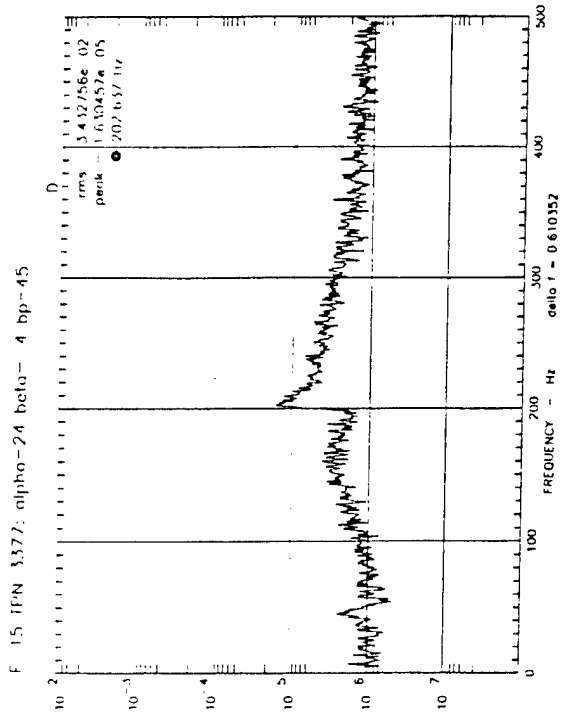


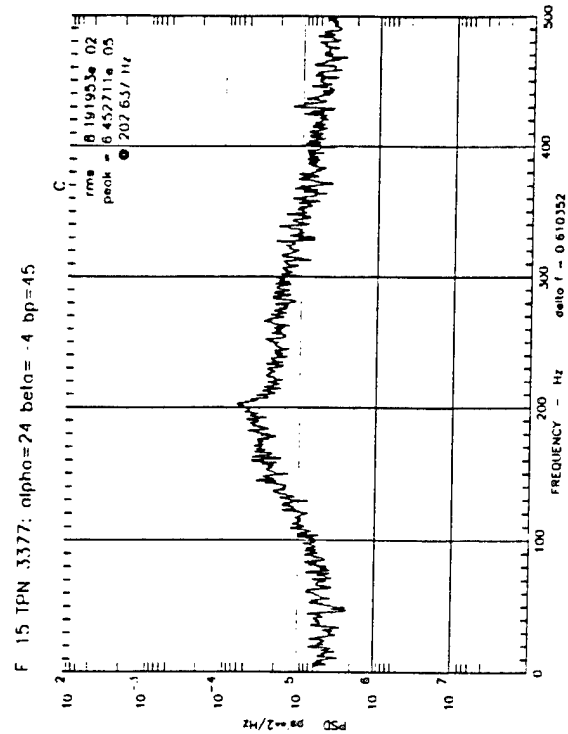
F-15 TPN 3375: alpha=20 beta=-4 bp=45

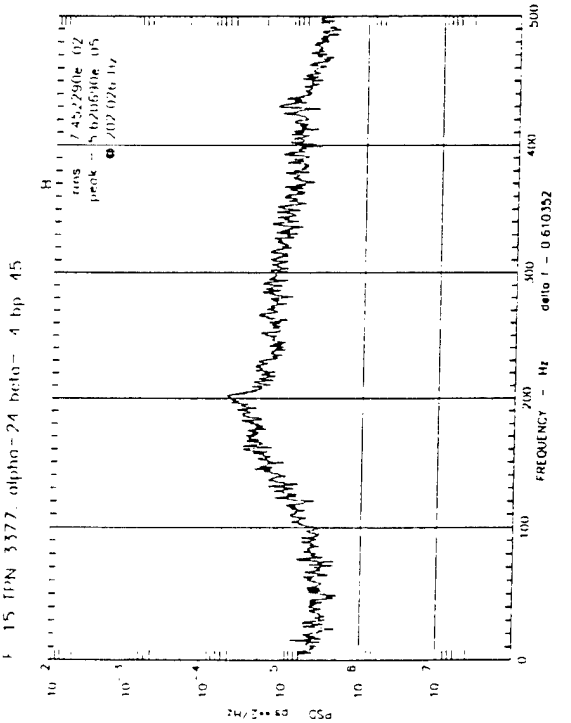


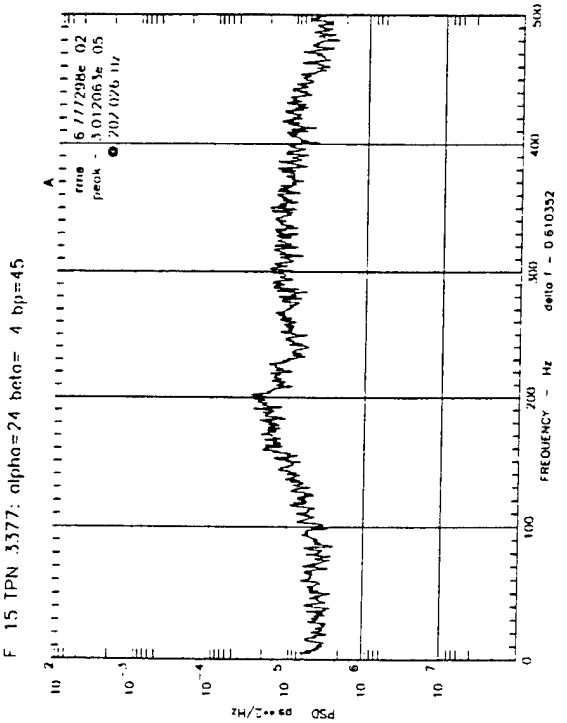
F-15 TPN 3375: alpha=20 beta=-4 bp=45



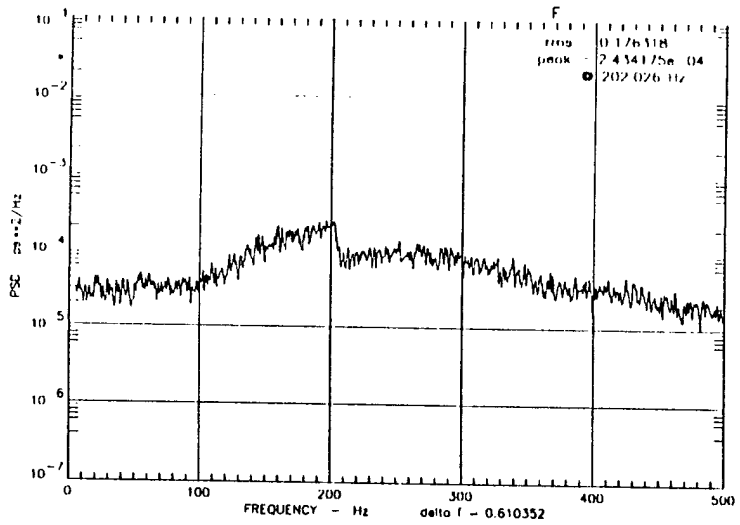

F 15 TPN 3377: alpha=24 beta= 4 bp=45
D
rms 3.432756e 02
peak - 1.630452e 05
@ 207.637 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN 3377: alpha=24 beta= 4 bp=45
C
rms 8.191953e 02
peak - 6.452711e 05
@ 207.637 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f - 0.610352

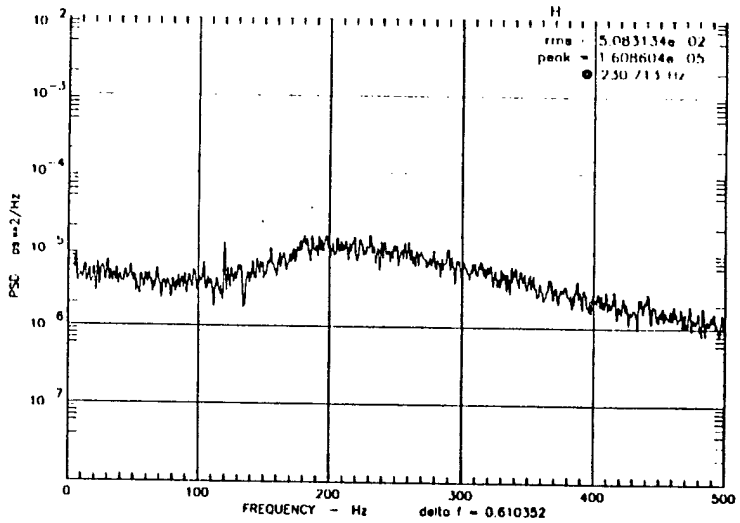

F 15 TPN 3377 alpha=24 beta= 4 bp 45
H
rms 7.452798e 02
peak - 5.820690e 05
@ 207.026 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f - 0.610352


F 15 TPN 3377: alpha=24 beta= 4 bp=45
A
rms 6.777298e 02
peak - 5.012065e 05
@ 207.026 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f - 0.610352

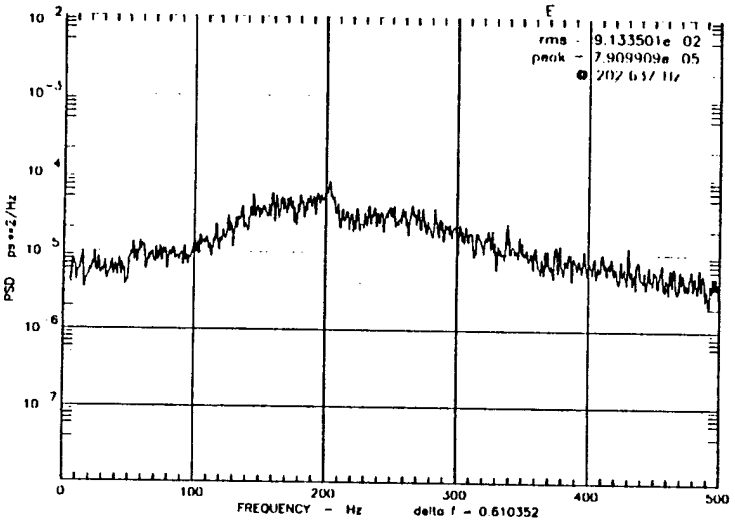
F 15 TPN 3377: alpha=24 beta= 4 bp=45



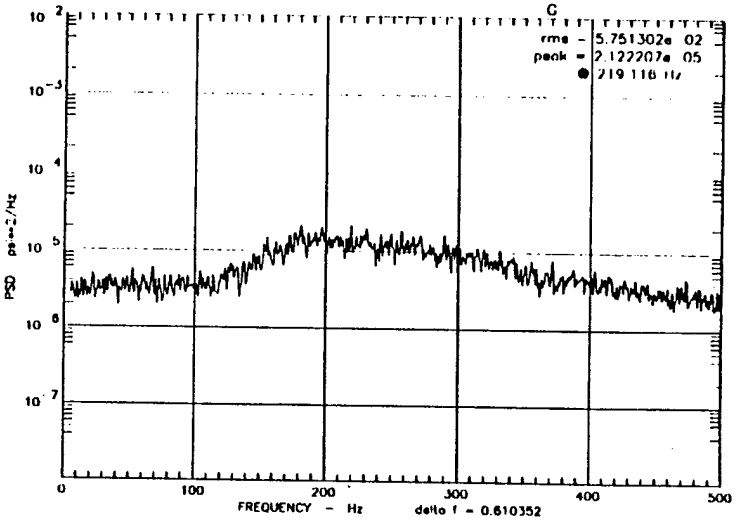
F 15 TPN 3377: alpha=24 beta= 4 bp=45



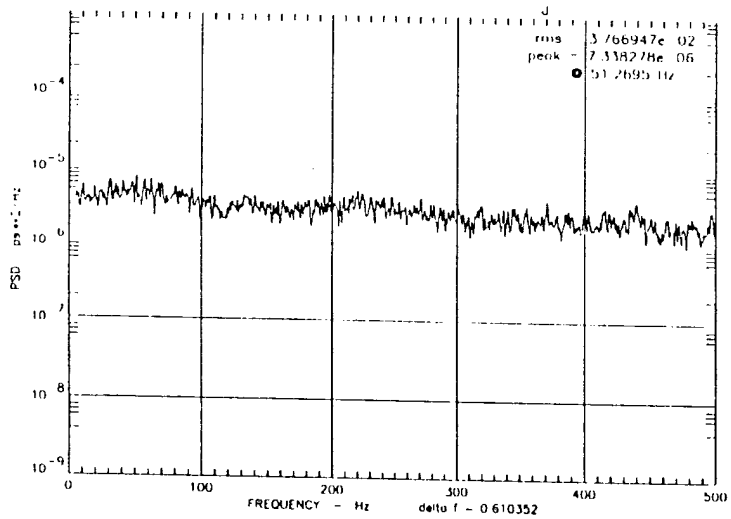
F 15 TPN_3377: alpha=24 beta= 4 bp=45



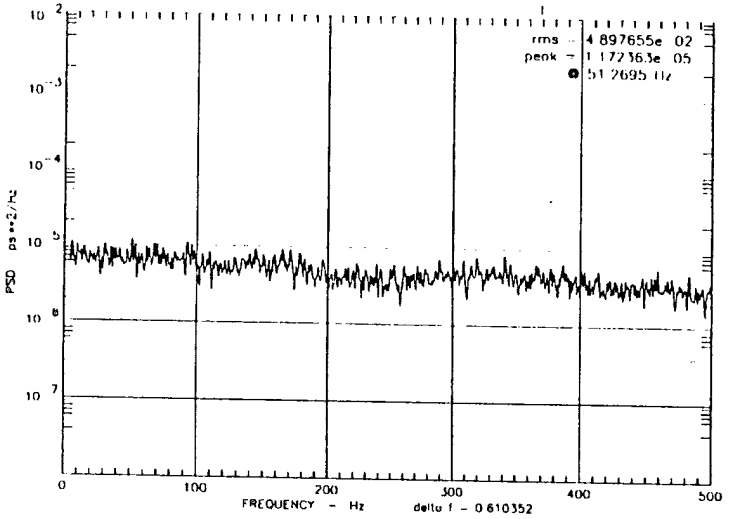
F 15 TPN_3377: alpha=24 beta= 4 bp=45



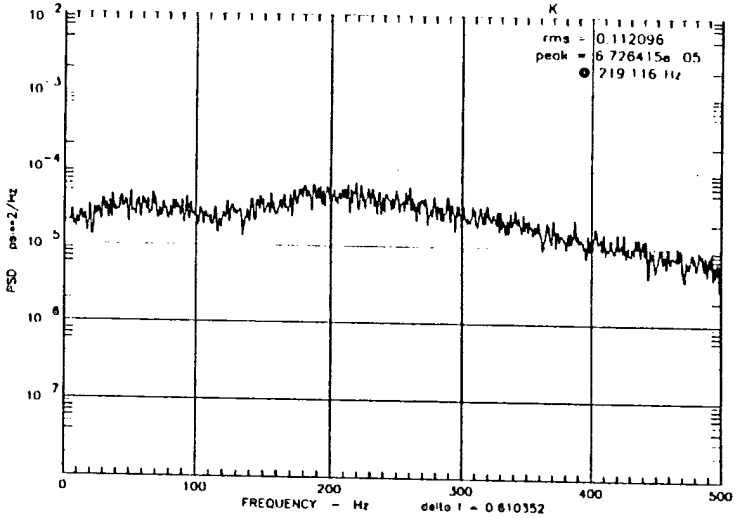
F 15 TPN 3377: alpha=24 beta= 4 bp=45

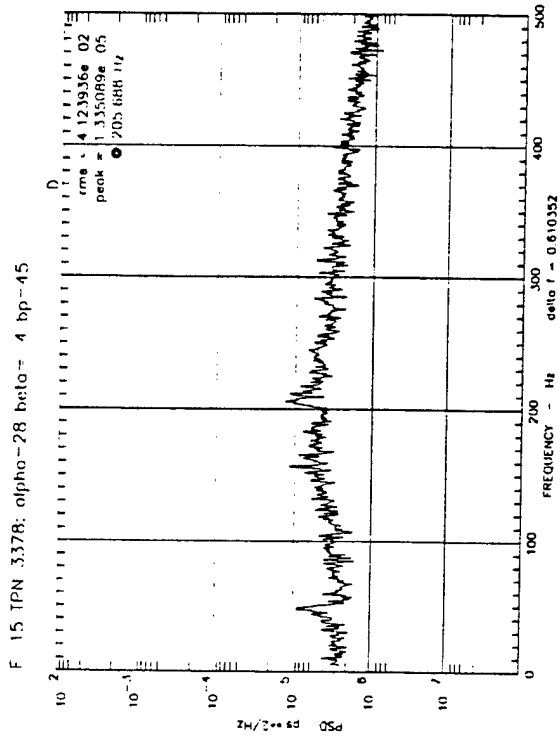


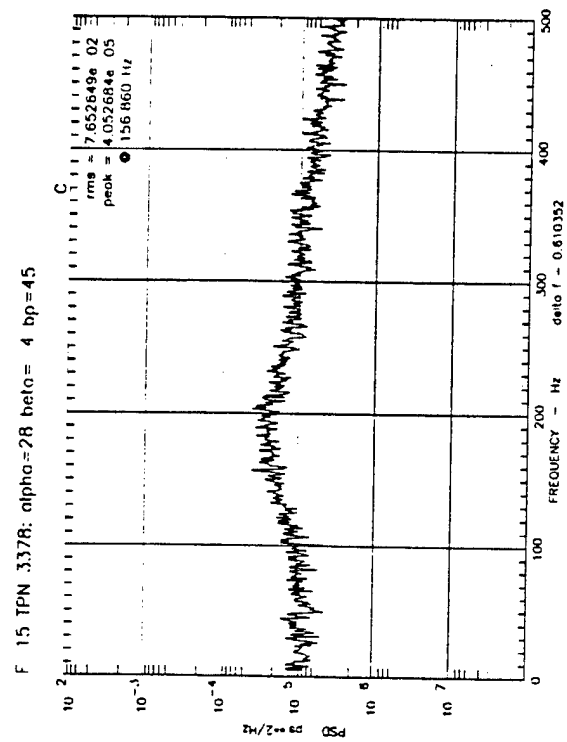
F 15 TPN 3377: alpha=24 beta= 4 bp=45

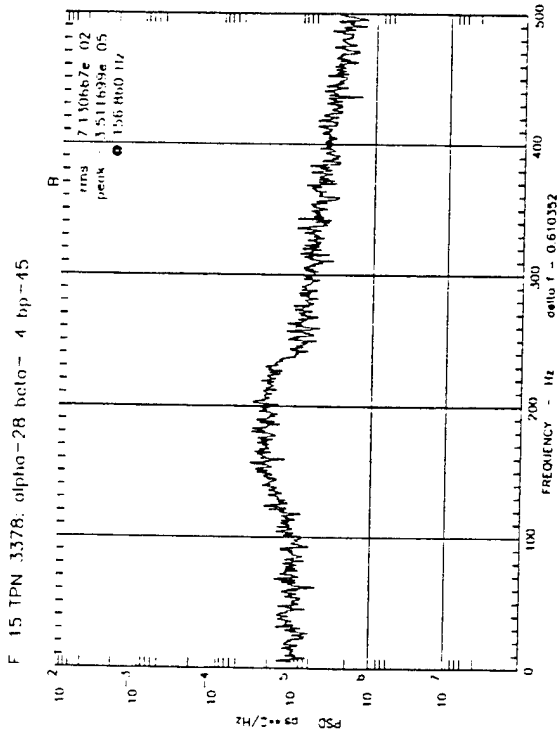


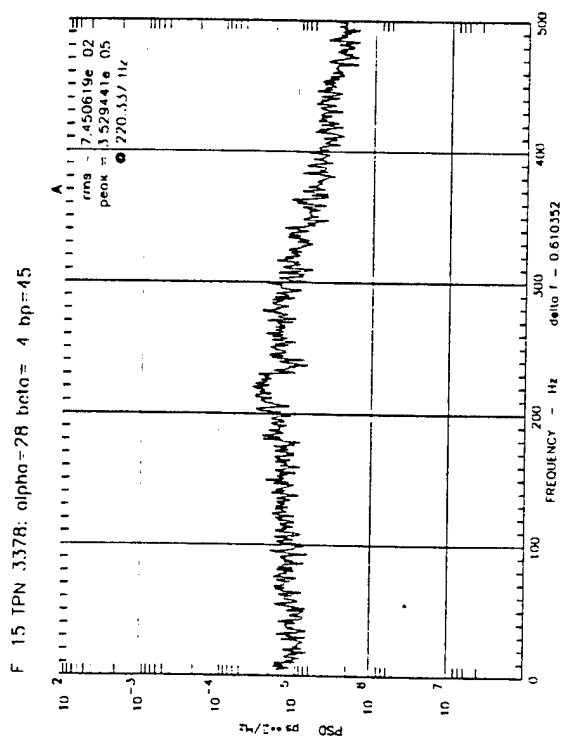
F 15 TPN 3377: alpha=24 beta= 4 bp=45

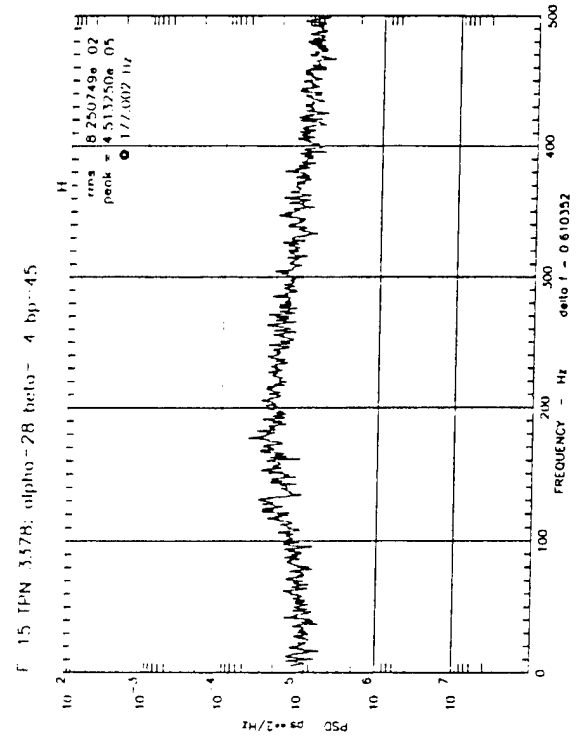


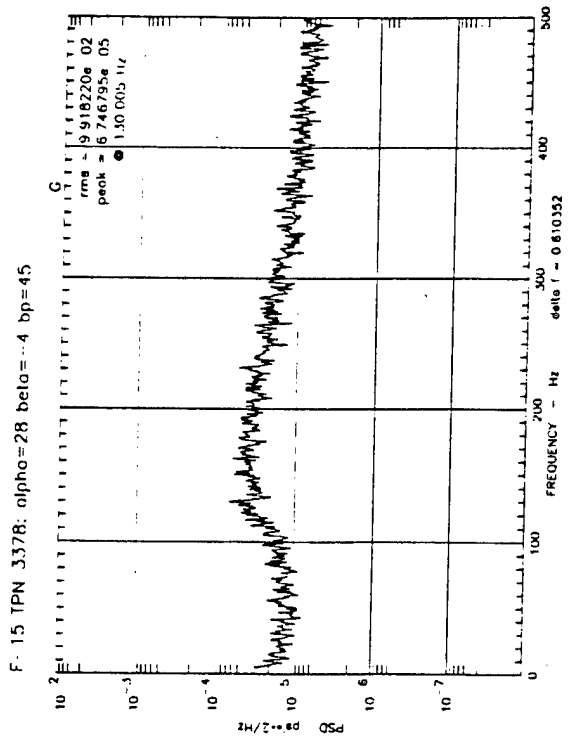

F 15 TPN 3378: alpha=28 beta= 4 bp=45
D
rms = 4.123936e 02
peak = 1.335089e 05
@ 205.688 Hz
PSD g** 2/Hz
FREQUENCY - Hz
delta f = 0.610352

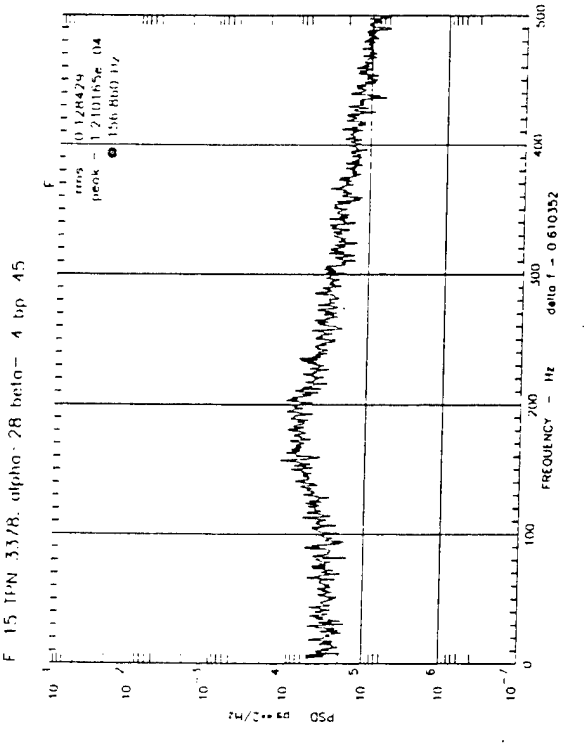

F 15 TPN 3378: alpha=28 beta= 4 bp=45
C
rms = 7.652649e 02
peak = 4.052684e 05
@ 156.960 Hz
PSD g** 2/Hz
FREQUENCY - Hz
delta f = 0.610352

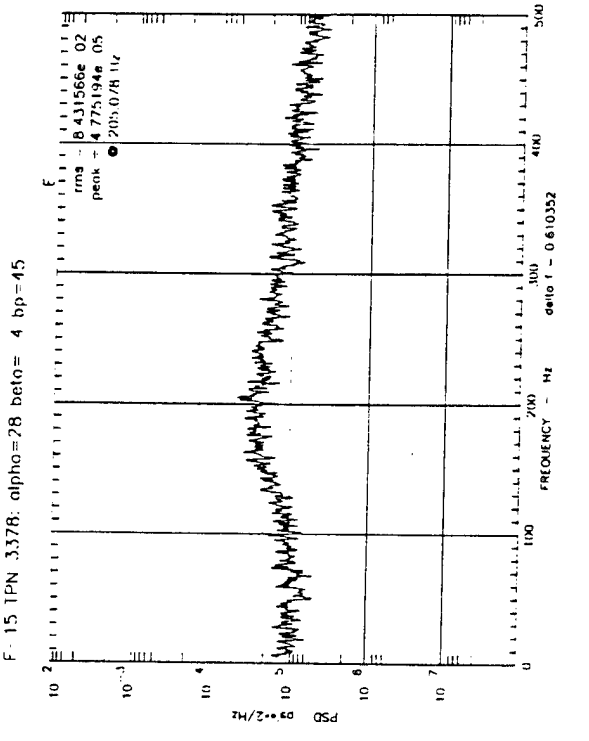

F 15 TPN 3378: alpha=28 beta= 4 bp=45
B
rms = 7.130667e 02
peak = 3.511693e 05
@ 136.840 Hz
PSD g** 2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3378: alpha=28 beta= 4 bp=45
A
rms = 7.450619e 02
peak = 3.529441e 05
@ 220.337 Hz
PSD g** 2/Hz
FREQUENCY - Hz
delta f = 0.610352

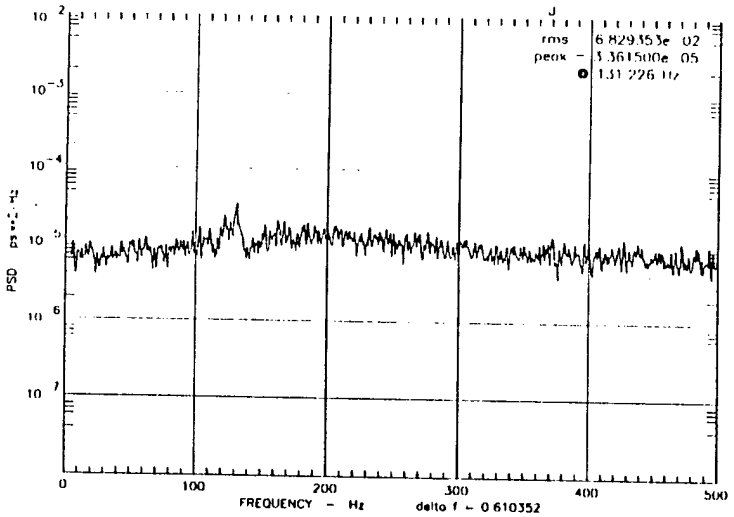

F 15 TPN 3378: alpha=28 beta= 4 bp=45
H
rms = 8.250749e 02
peak = 4.513250e 05
@ 177.0312 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3378: alpha=28 beta= 4 bp=45
G
rms = 9.918220e 02
peak = 6.746795e 05
@ 130.0903 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

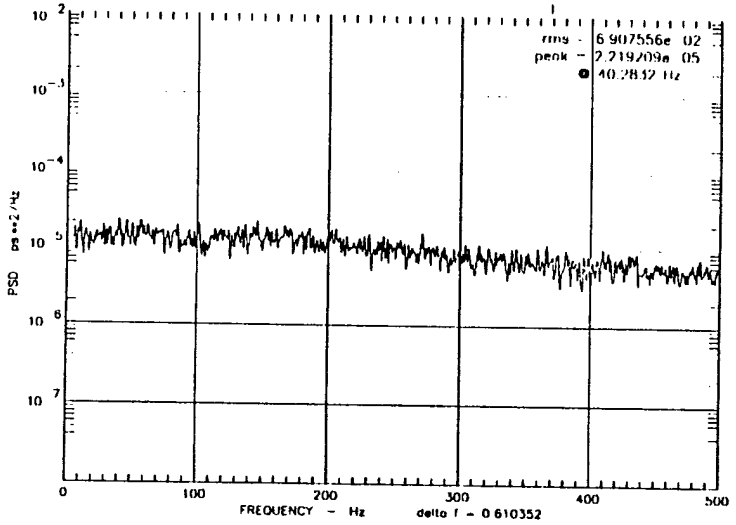

F 15 TPN 3378: alpha=28 beta= 4 bp= 45
F
rms = 0.128429
peak = 1.210165e 04
@ 156.8359 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3378: alpha=28 beta= 4 bp=45
E
rms = 8.431566e 02
peak = 4.775194e 05
@ 205.0781 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

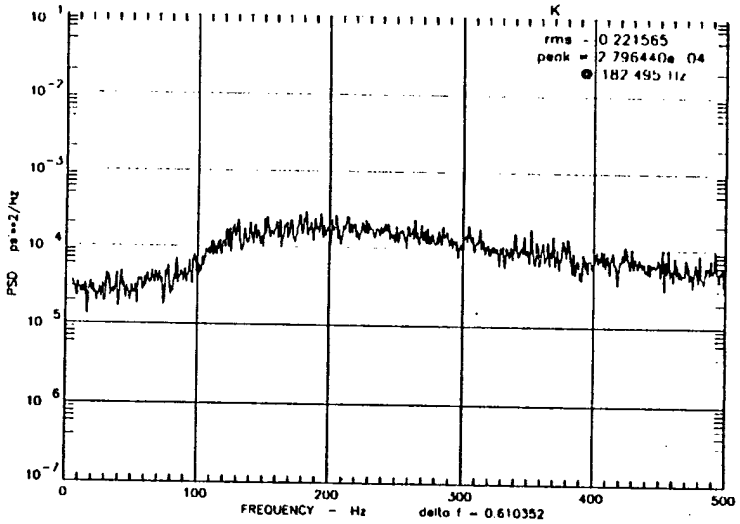
F 15 TPN 3378: alpha=28 beta= 4 bp=45



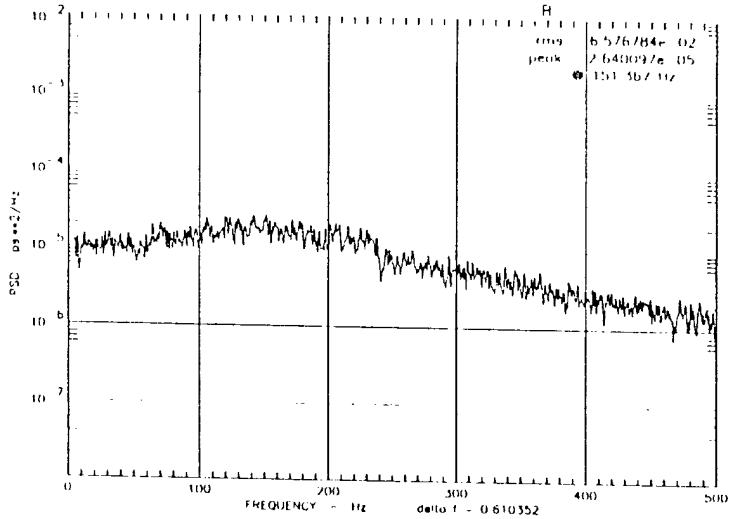
F 15 TPN 3378: alpha=28 beta= 4 bp=45



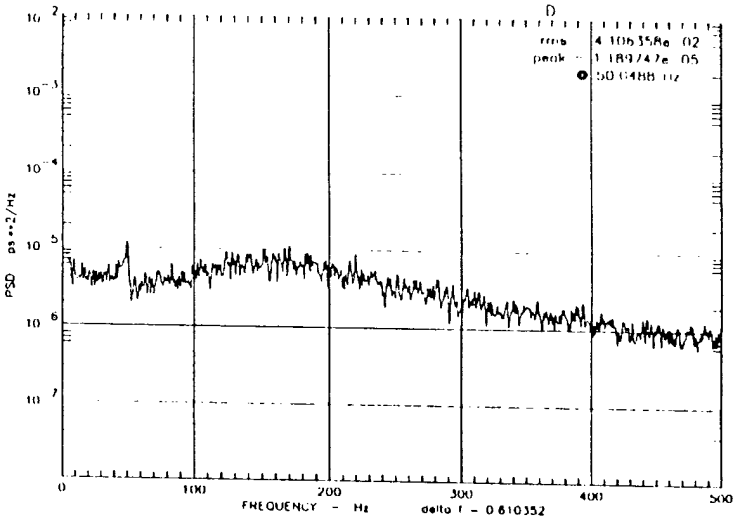
F 15 TPN 3378: alpha=28 beta= 4 bp=45



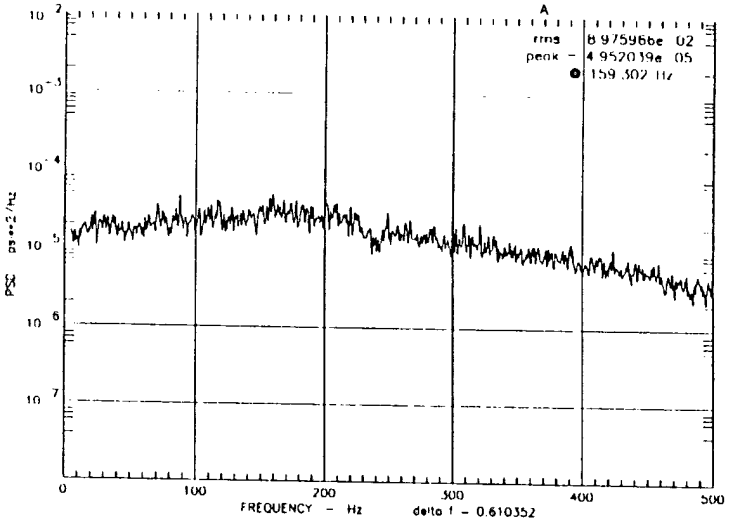
F 15 TPN 3379: alpha=.32 beta= .4 bp=45



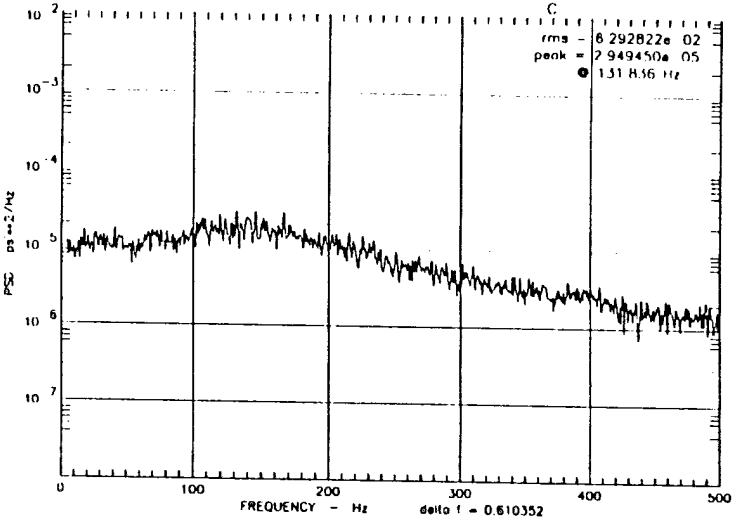
F 15 TPN 3379: alpha=.32 beta= .4 bp=45

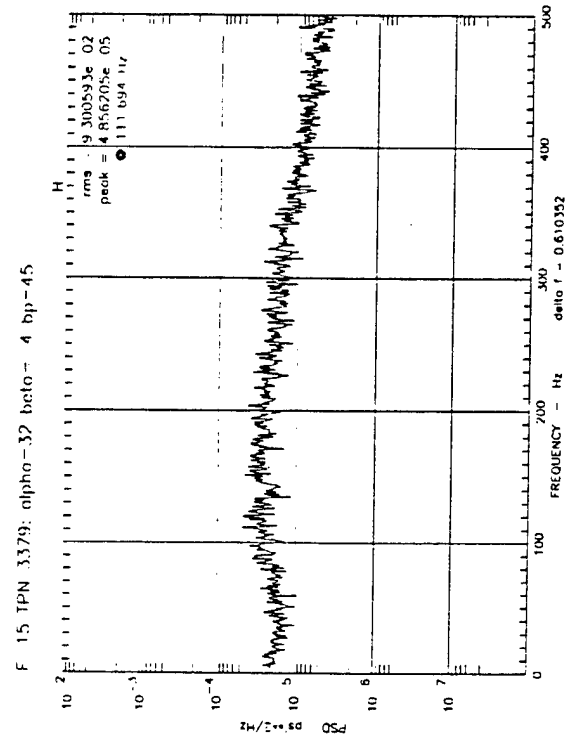


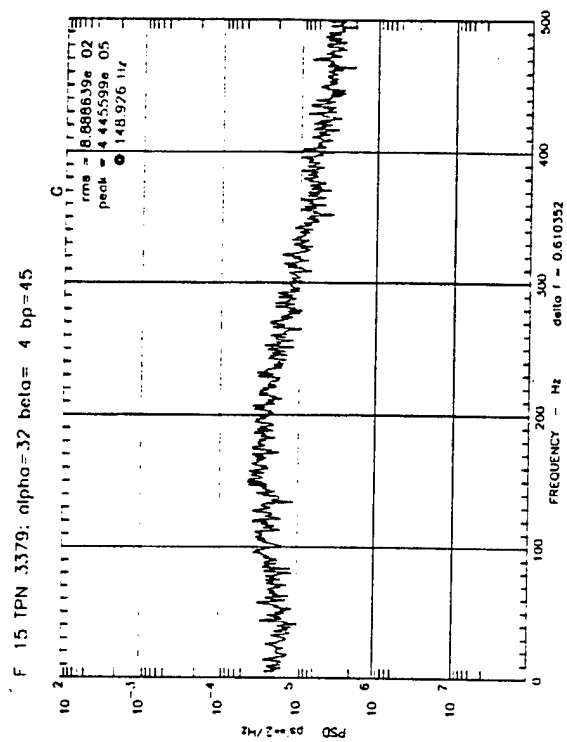
F 15 TPN 3379: alpha=.32 beta= .4 bp=45

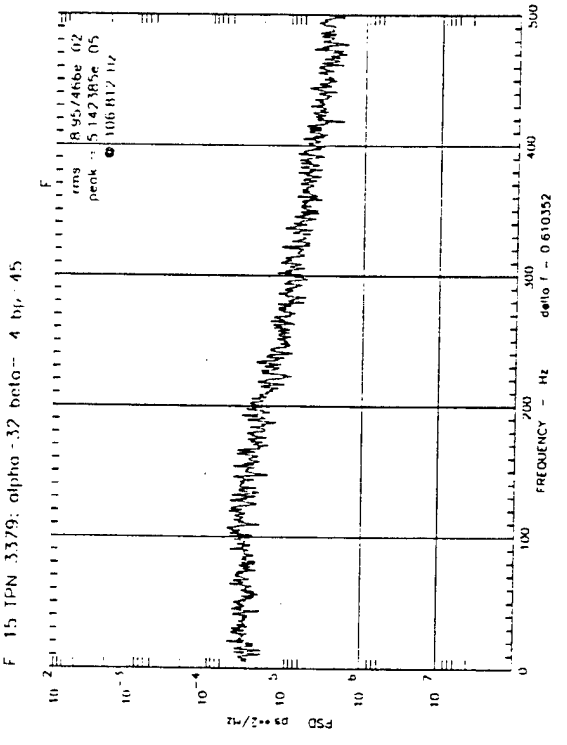


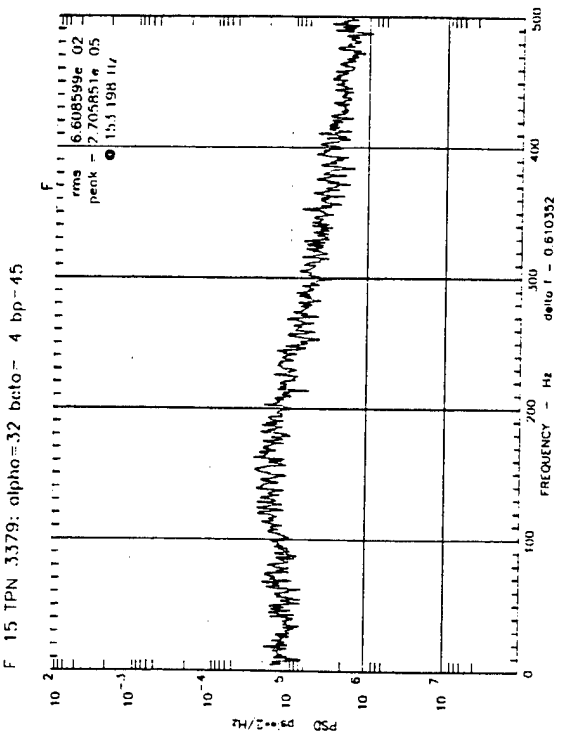
F 15 TPN 3379: alpha=.32 beta= .4 bp=45



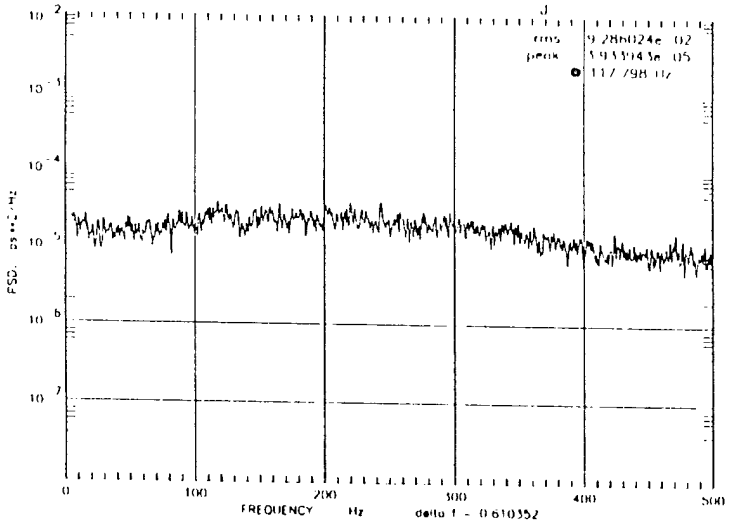

F 15 TPN 3379: alpha=32 beta= 4 bp=45
H
rms = 9.300593e 02
peak = 4.856205e 05
@ 111.694 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3379: alpha=32 beta= 4 bp=45
G
rms = 8.888639e 02
peak = 4.445599e 05
@ 148.926 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

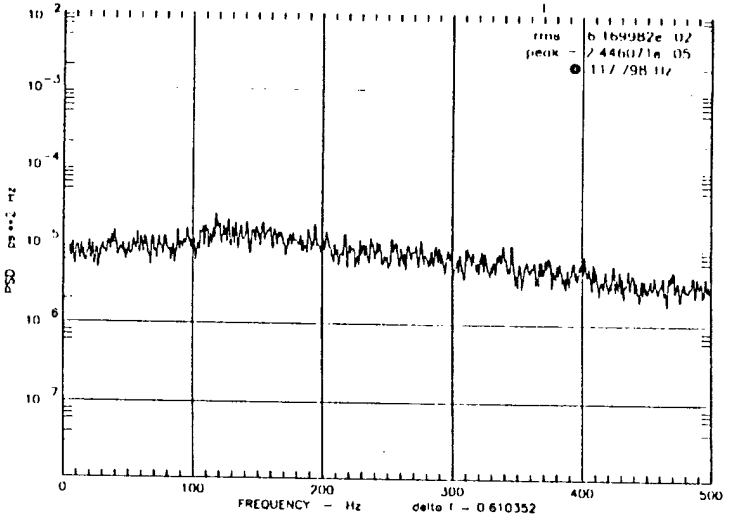

F 15 TPN 3379: alpha=32 beta= 4 bp=45
F
rms = 8.954466e 02
peak = 5.142385e 05
@ 106.812 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3379: alpha=32 beta= 4 bp=45
F
rms = 6.608599e 02
peak = 2.705851e 05
@ 153.198 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

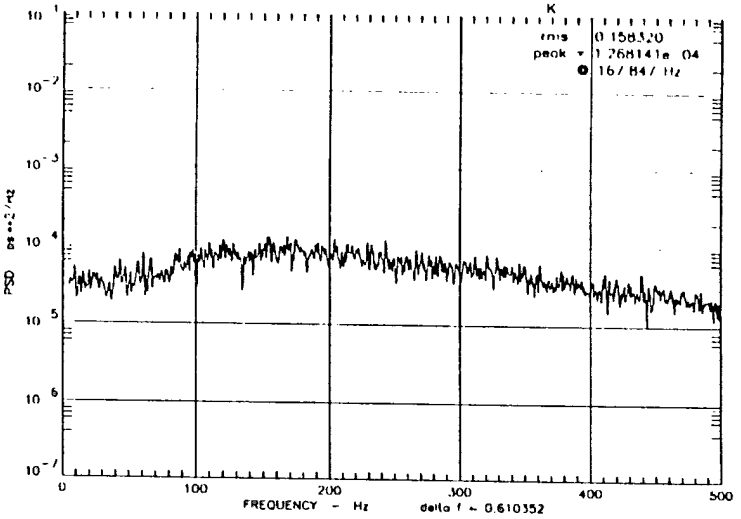
F 15 TPN 3379: alpha=32 beta= 4 bp=45

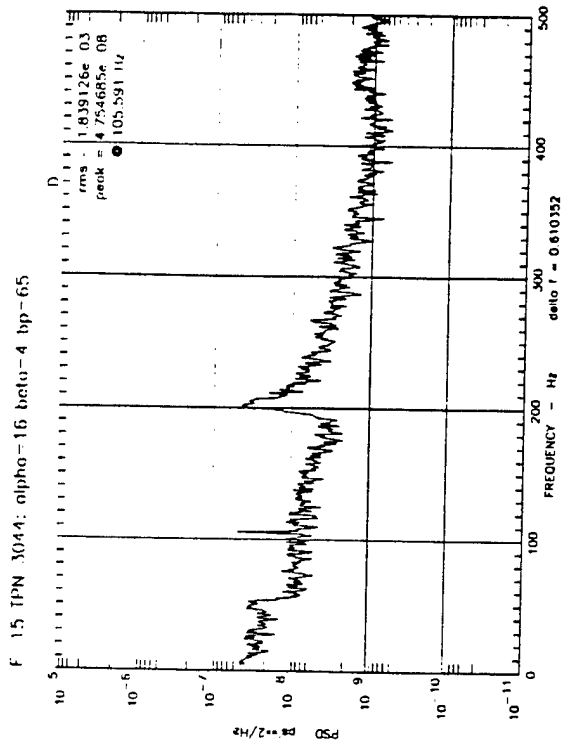


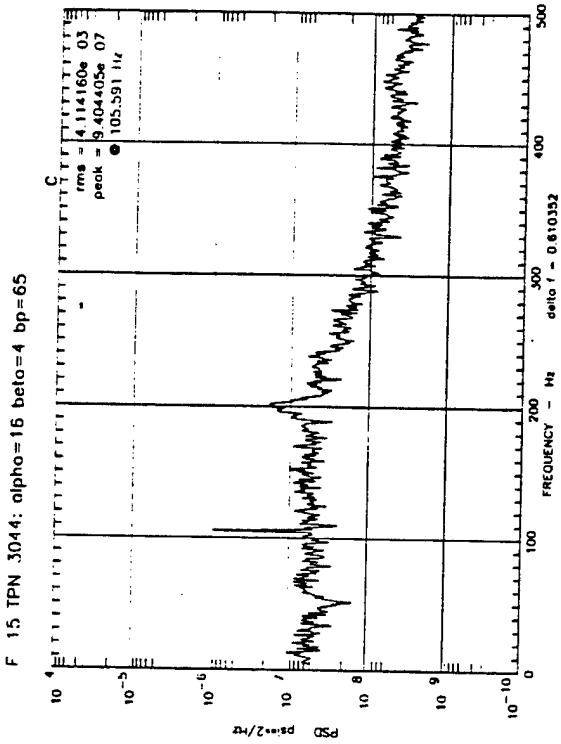
F 15 TPN 3379: alpha=32 beta= 4 bp=45

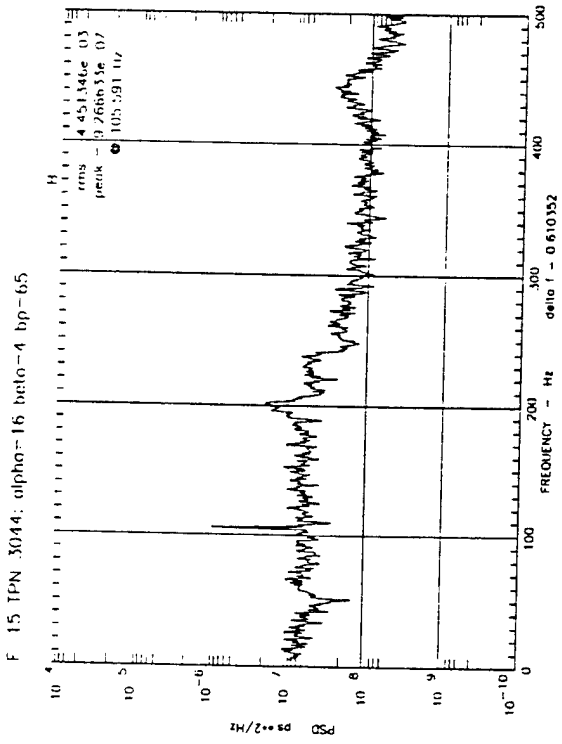


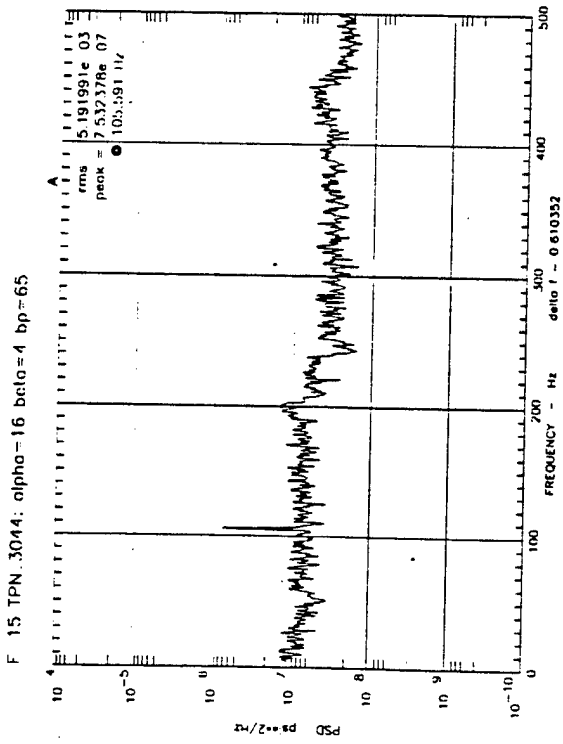
F 15 TPN 3379: alpha=32 beta= 4 bp=45

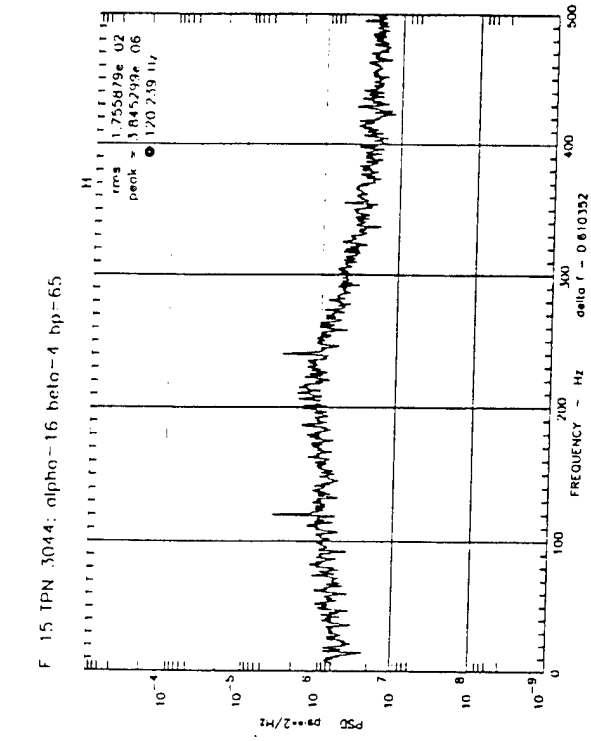


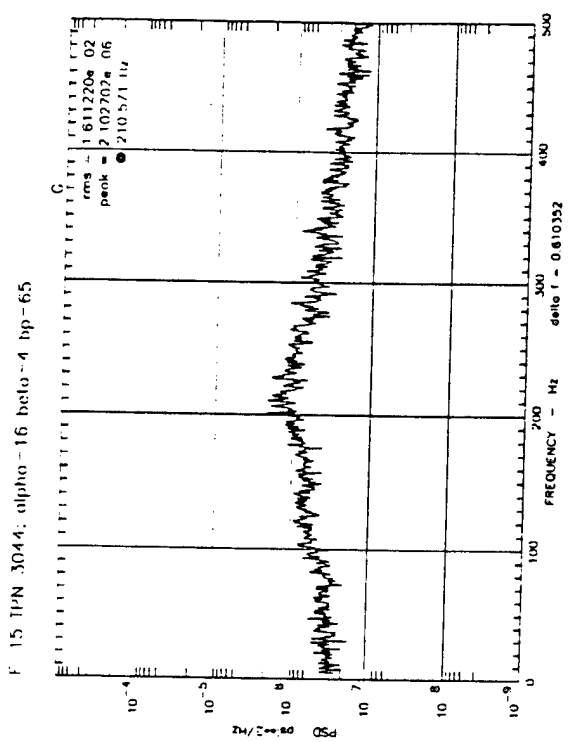

F 15 TPN 3044: alpha=16 beta=4 bp=65
D
rms = 1.839126e 03
peak = 4.754685e 08
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

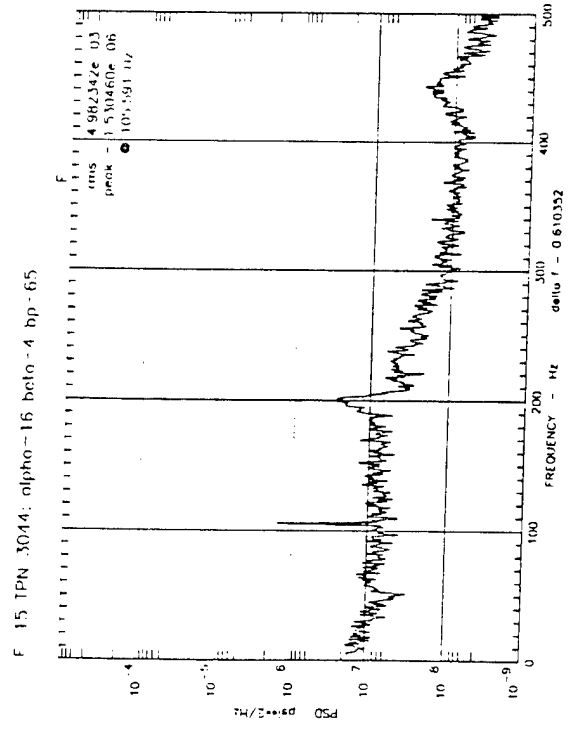

F 15 TPN 3044: alpha=16 beta=4 bp=65
C
rms = 4.114160e 03
peak = 9.404405e 07
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

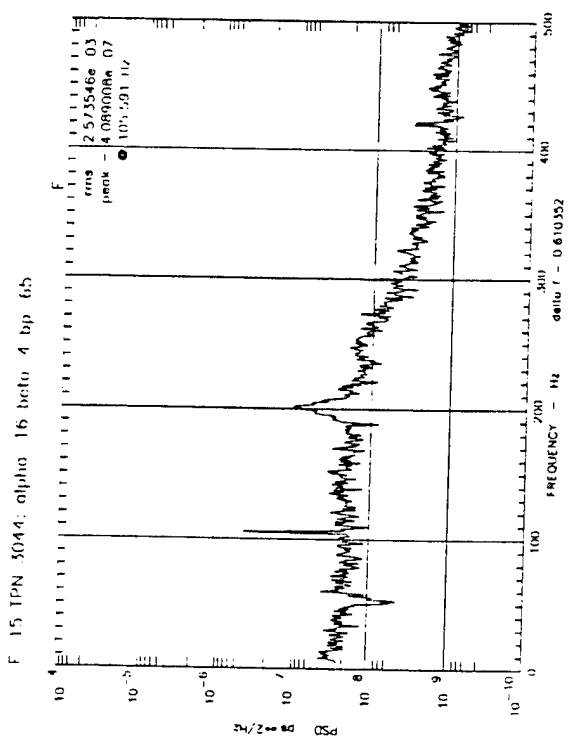

F 15 TPN 3044: alpha=16 beta=4 bp=65
H
rms = 4.451346e 03
peak = 9.266855e 07
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3044: alpha=16 beta=4 bp=65
A
rms = 5.191991e 03
peak = 7.532378e 07
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

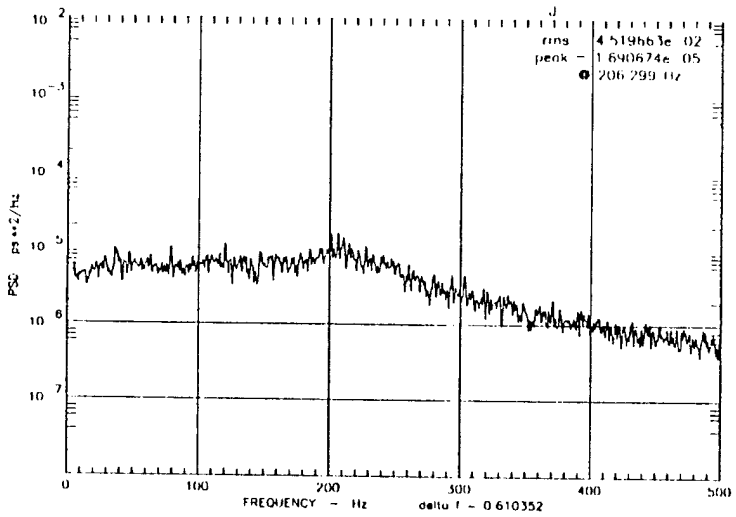

F 15 TPN 3044: alpha-16 beta-4 bp-65
H
rms = 1.755879e 02
peak = 1.845299e 06
@ 120.259 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3044: alpha-16 beta-4 bp-65
G
rms = 1.611220e 02
peak = 2.102702e 06
@ 210.571 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352

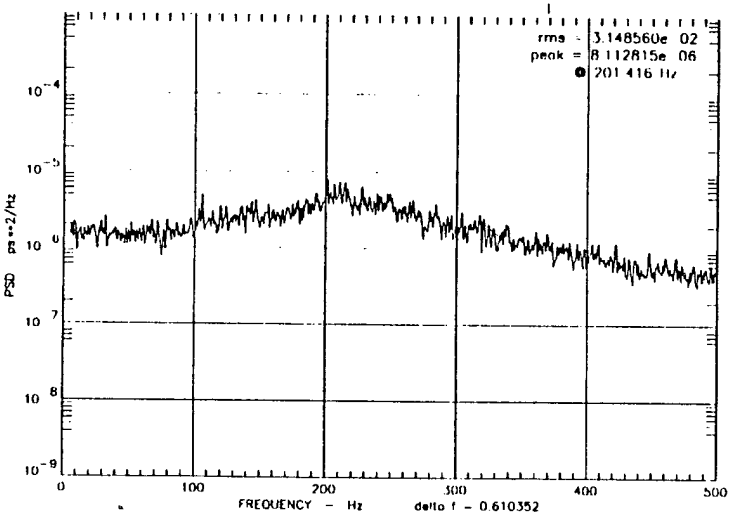

F 15 TPN 3044: alpha-16 beta-4 bp-65
F
rms = 4.982342e 03
peak = 1.530460e 06
@ 105.591 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3044: alpha 16 beta 4 bp 65
F
rms = 2.573546e 03
peak = 4.089008e 07
@ 105.591 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352

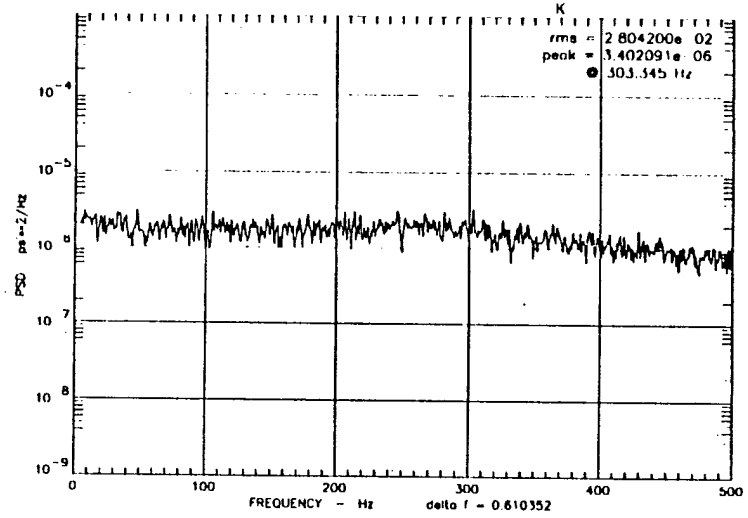
F 15 TPN 3044: alpha=16 beta=4 bp=65



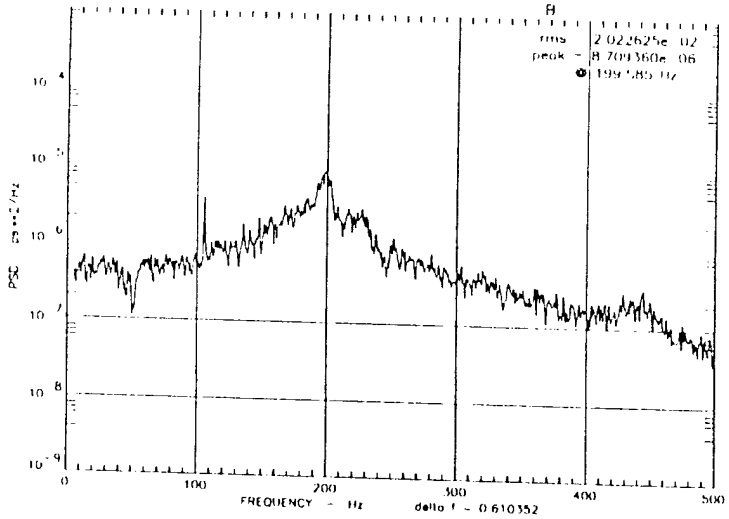
F 15 TPN 3044: alpha=16 beta=4 bp=65



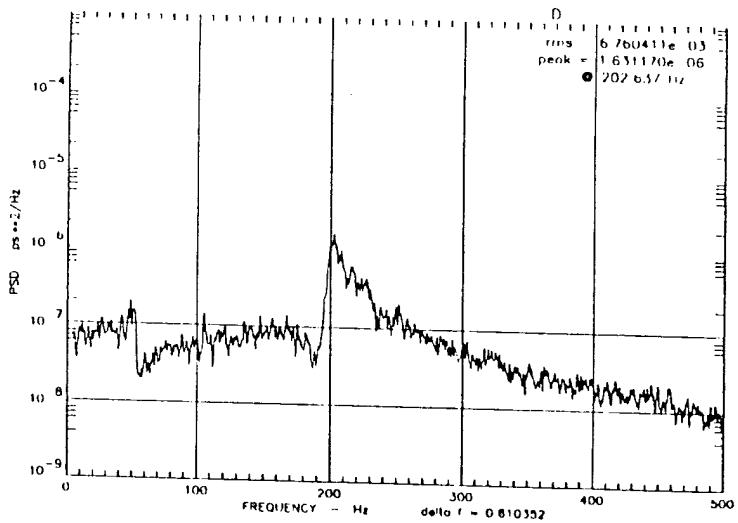
F 15 TPN 3044: alpha=16 beta=4 bp=65



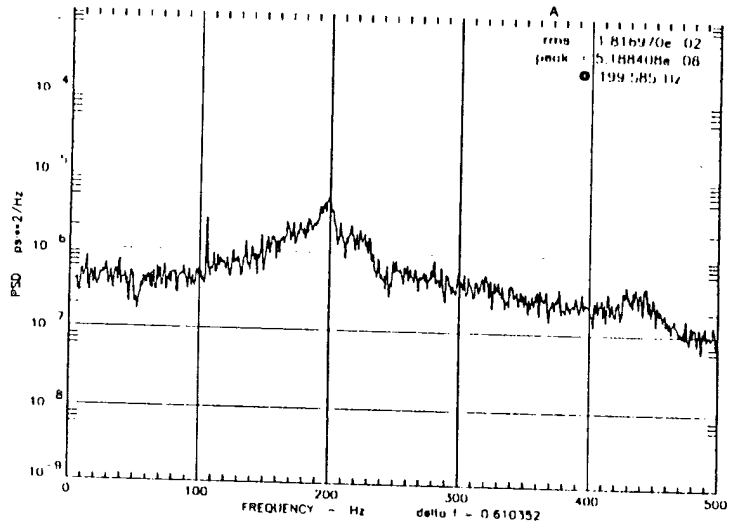
F 15 TPN 3046: alpha=20 beta=4 bp=65



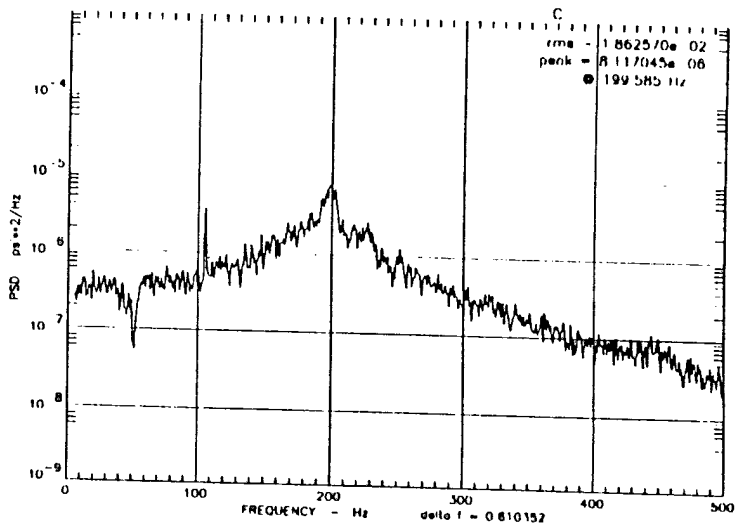
F 15 TPN 3046: alpha=20 beta=4 bp=65

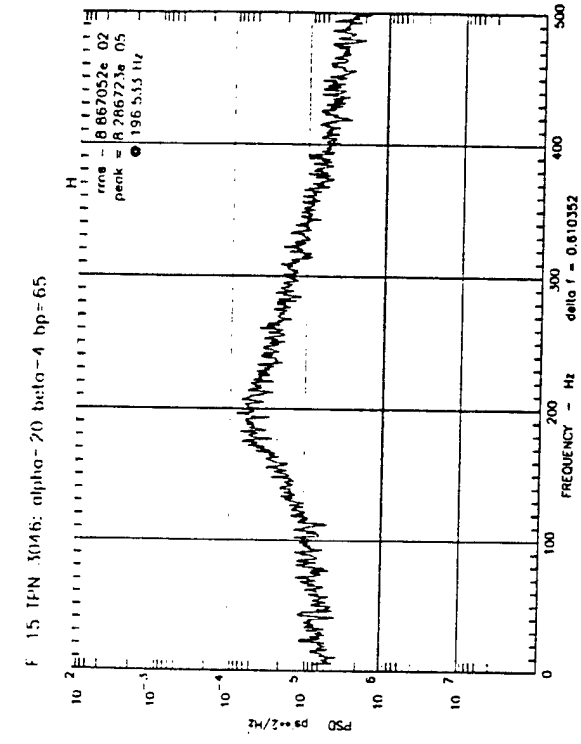


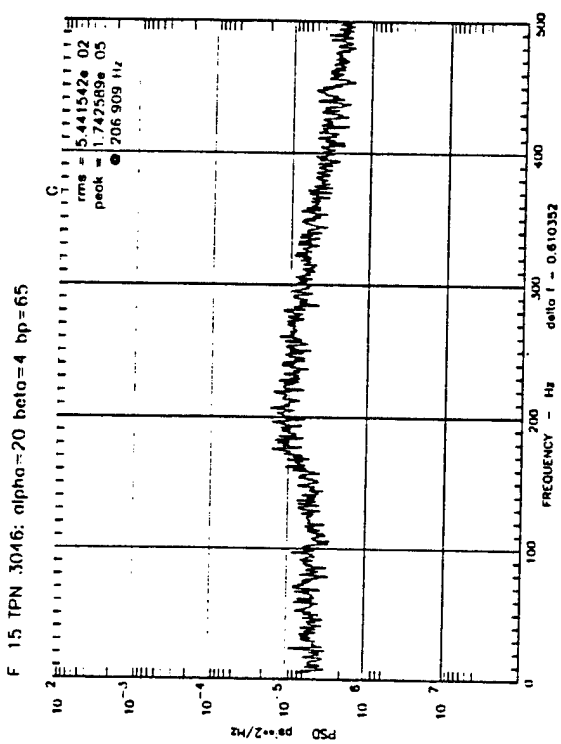
F 15 TPN 3046: alpha=20 beta=4 bp=65

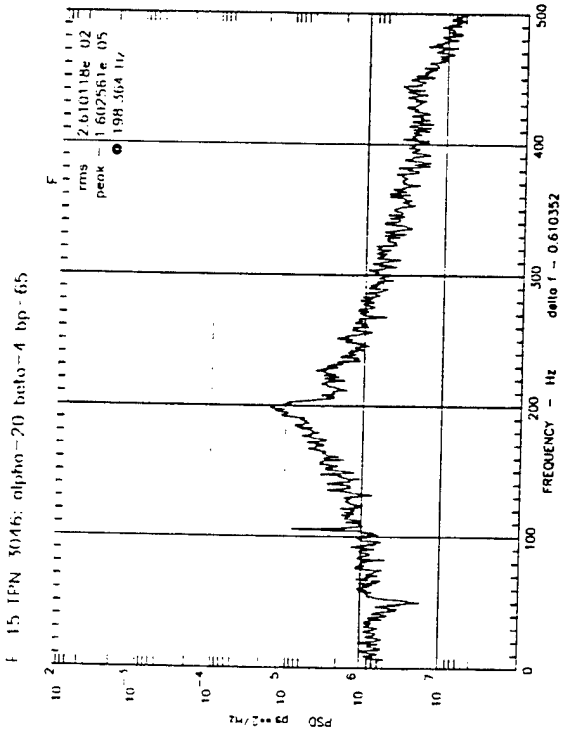


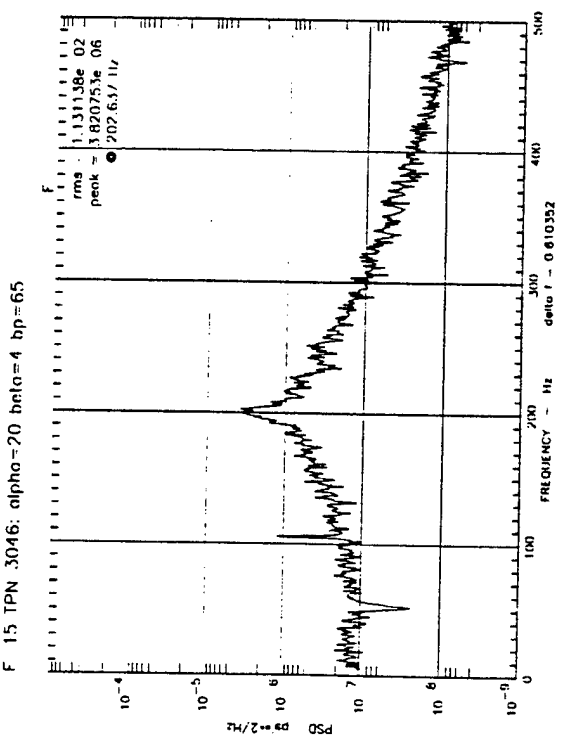
F 15 TPN 3046: alpha=20 beta=4 bp=65



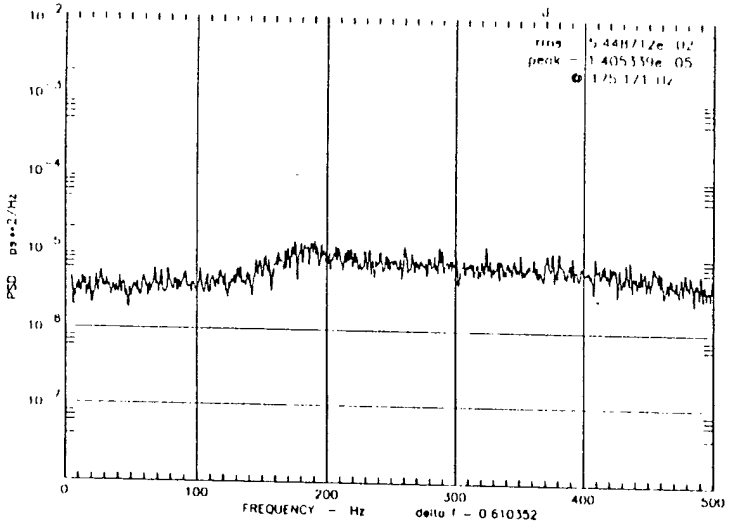

F 15 TPN 3046: alpha=20 beta=4 bp=65
H
rms = 8.867052e 02
peak = 8.286723e 05
@ 196.515 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3046: alpha=20 beta=4 bp=65
G
rms = 5.441542e 02
peak = 1.742589e 05
@ 206.909 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

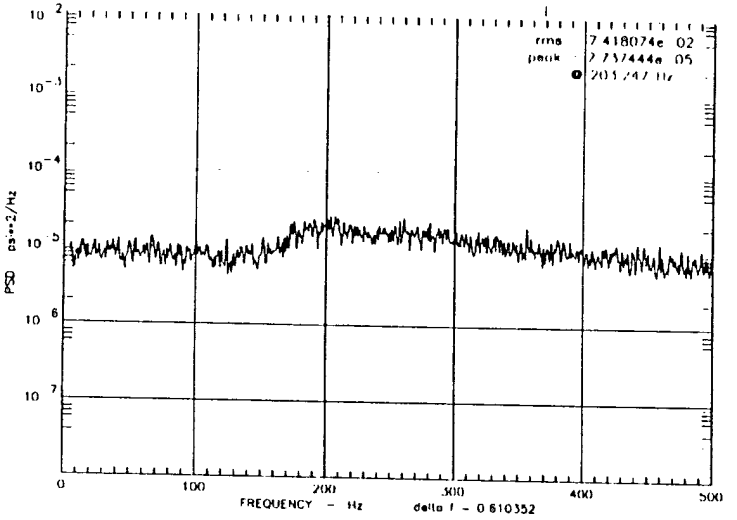

F 15 TPN 3046: alpha=20 beta=4 bp=65
F
rms = 2.610118e 02
peak = 1.602561e 05
@ 198.364 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3046: alpha=20 beta=4 bp=65
F
rms = 1.131138e 02
peak = 3.820753e 06
@ 202.637 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

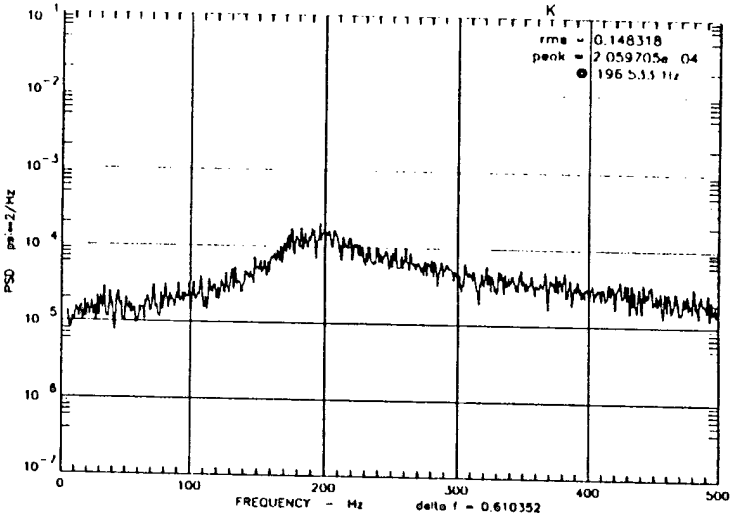
F 15 TPN 3046: alpha=20 beta=4 bp=65

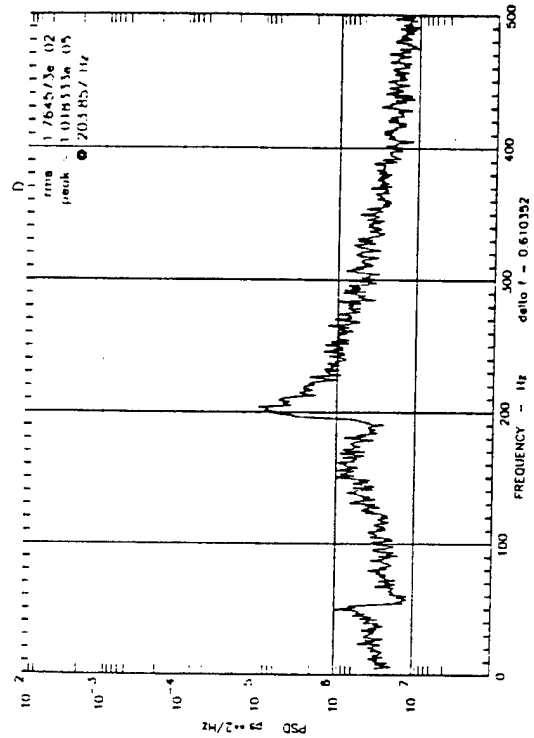


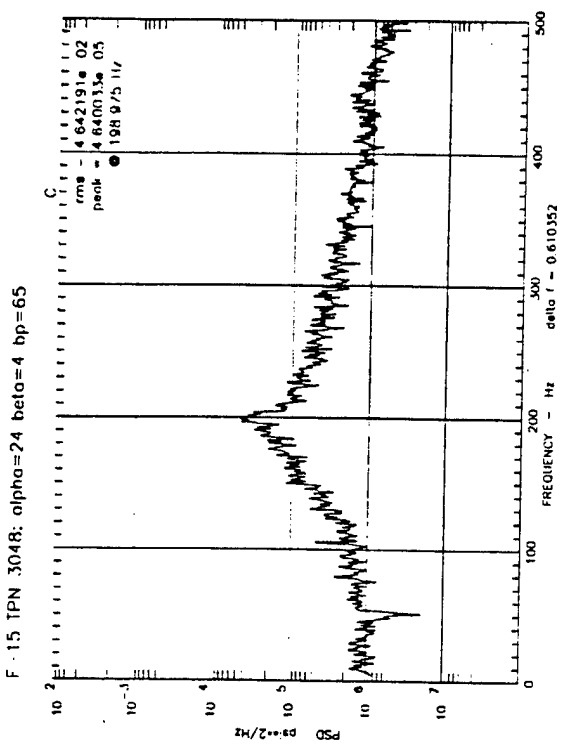
F 15 TPN 3046: alpha=20 beta=4 bp=65

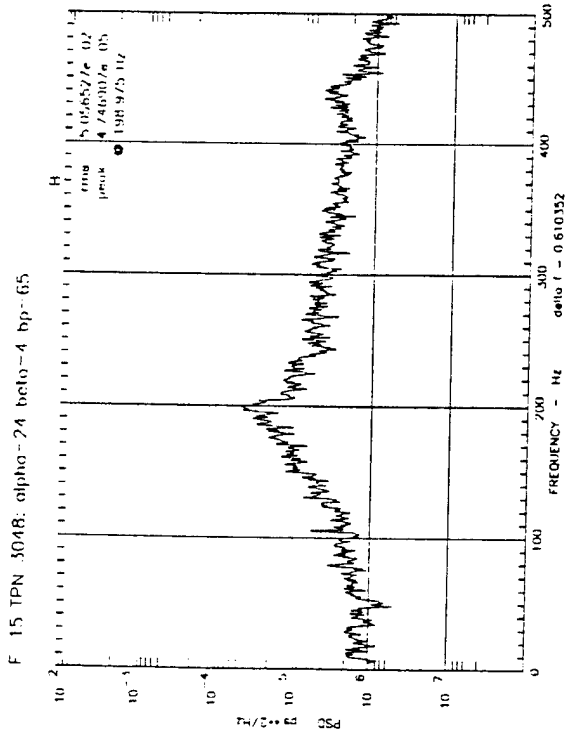


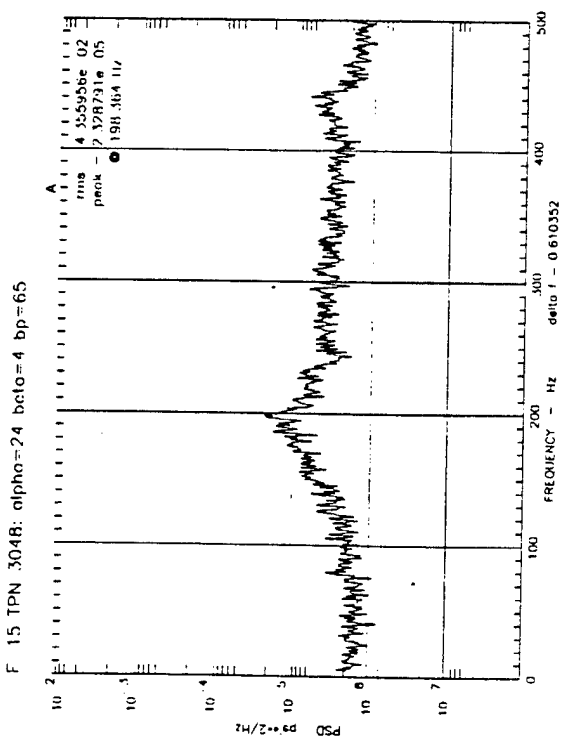
F 15 TPN 3046: alpha=20 beta=4 bp=65



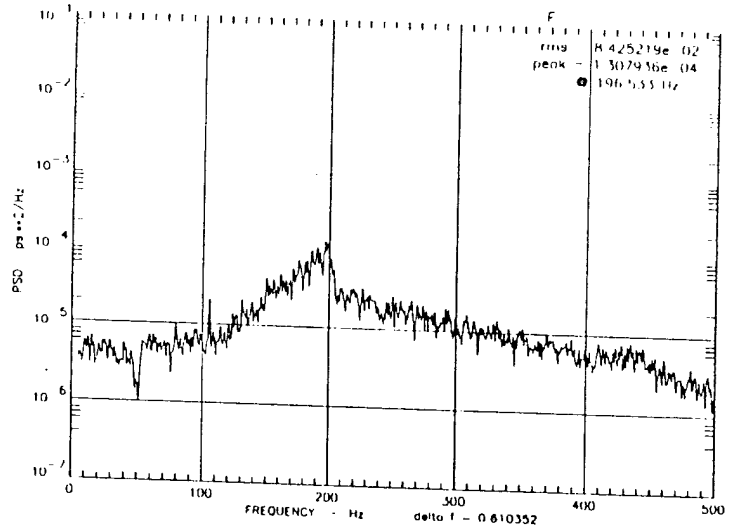

F 15 TPN 3048: alpha=24 beta=4 bp=65
D
rms = 1.764573e 02
peak = 1.018513e 05
@ 203.857 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3048: alpha=24 beta=4 bp=65
C
rms = 4.642191e 02
peak = 4.640013e 05
@ 198.975 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352

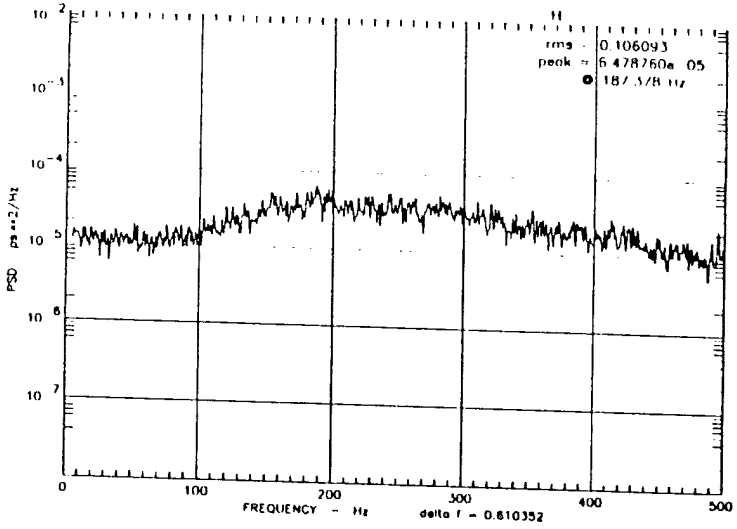

F 15 TPN 3048: alpha=24 beta=4 bp=65
H
rms = 5.105657e 02
peak = 4.746903e 05
@ 198.975 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3048: alpha=24 beta=4 bp=65
A
rms = 4.359568e 02
peak = 2.328791e 05
@ 198.364 Hz
PSD p**2/Hz
FREQUENCY - Hz
delta f = 0.610352

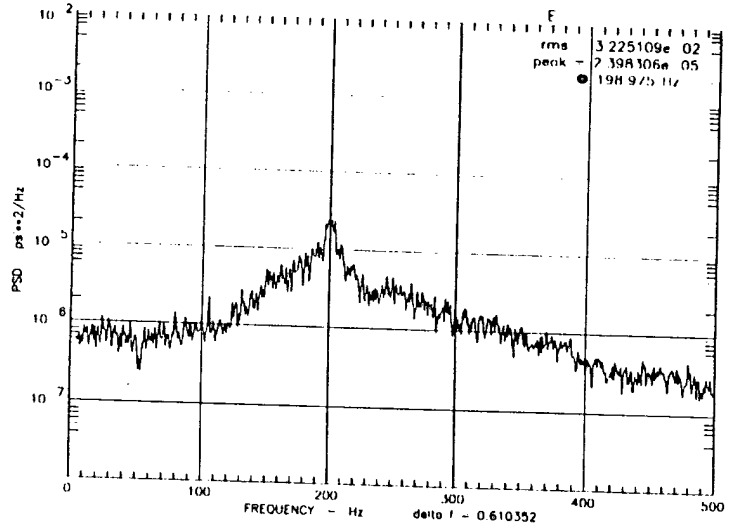
F 15 TPN 3048: alpha=24 beta=4 bp=65



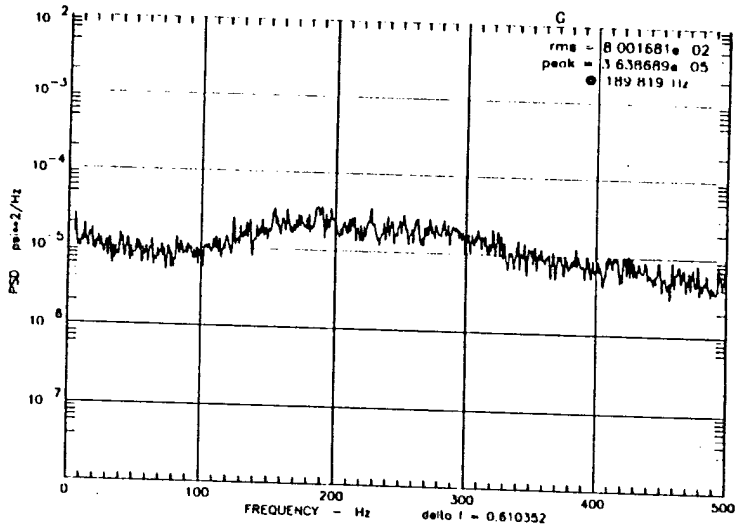
F 15 TPN 3048: alpha=24 beta=4 bp=65



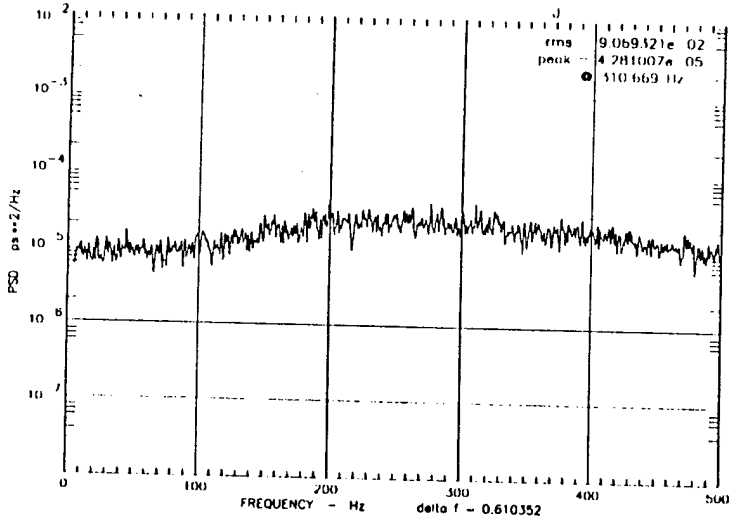
F 15 TPN 3048: alpha=24 beta=4 bp=65



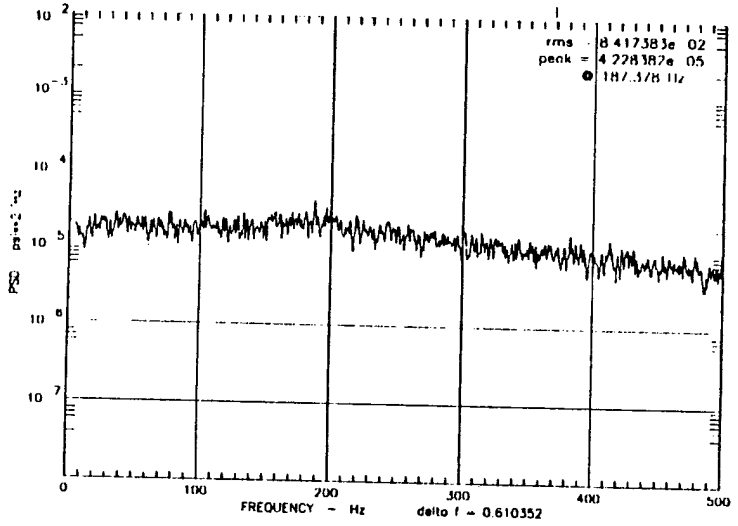
F 15 TPN 3048: alpha=24 beta=4 bp=65



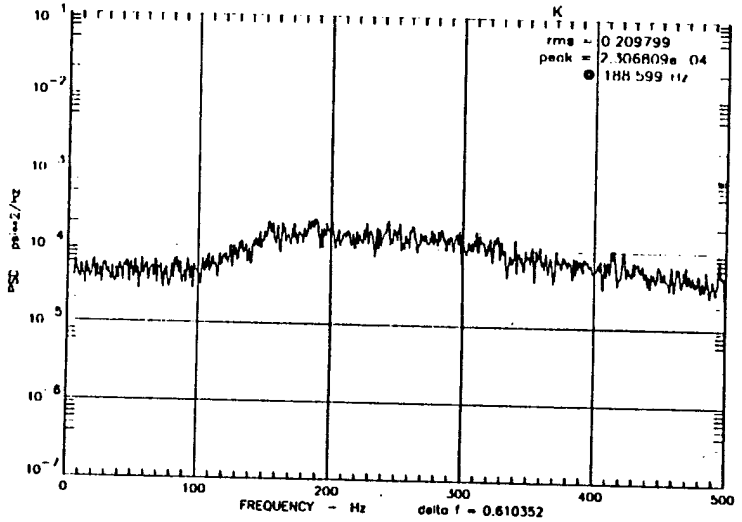
F 15 TPN 3048: alpha=24 beta=4 bp=65

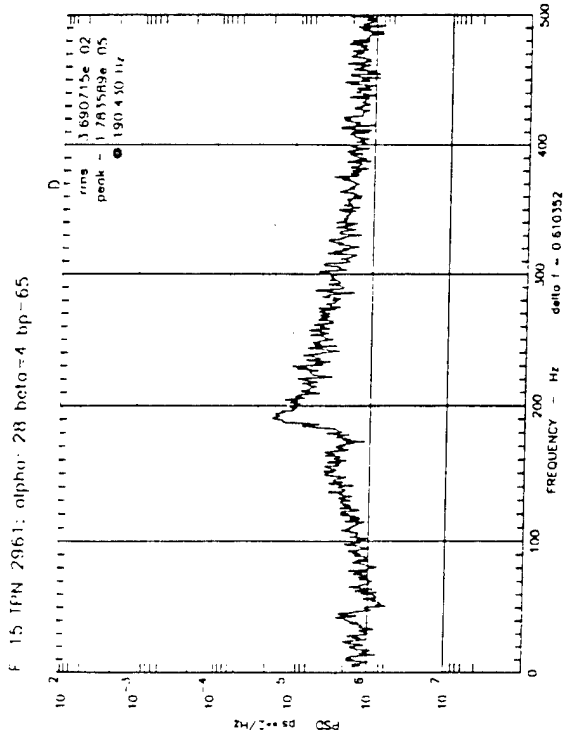


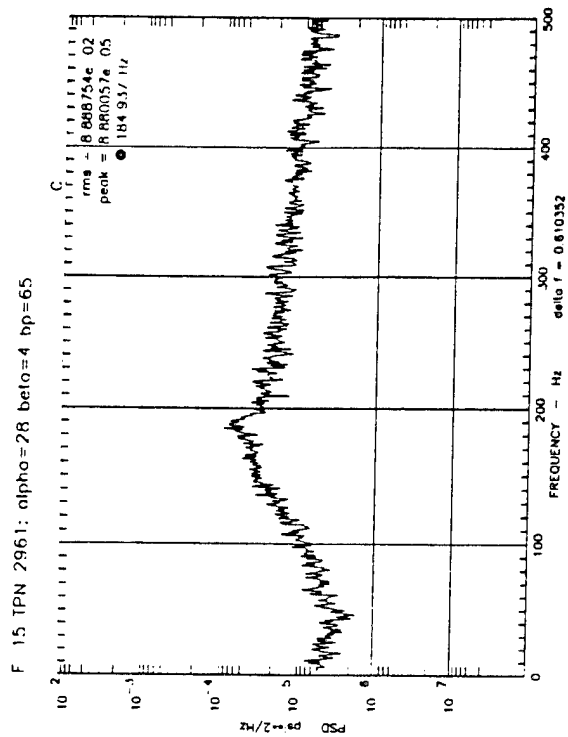
F 15 TPN 3048: alpha=24 beta=4 bp=65

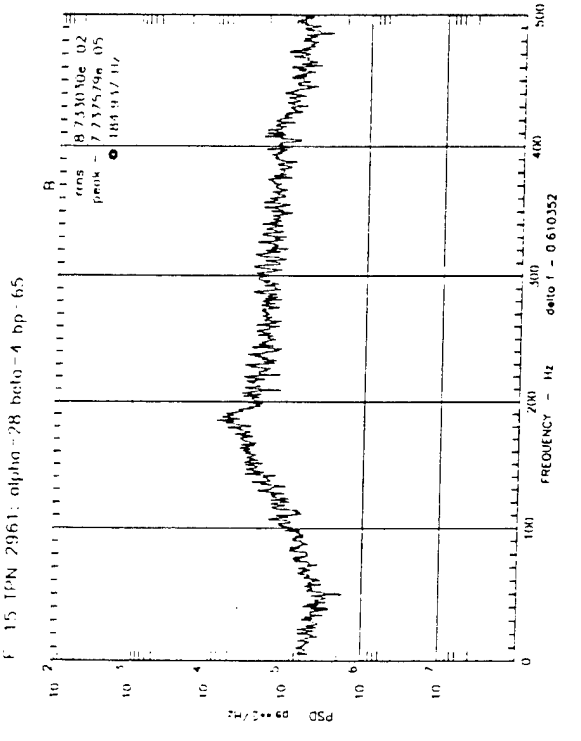


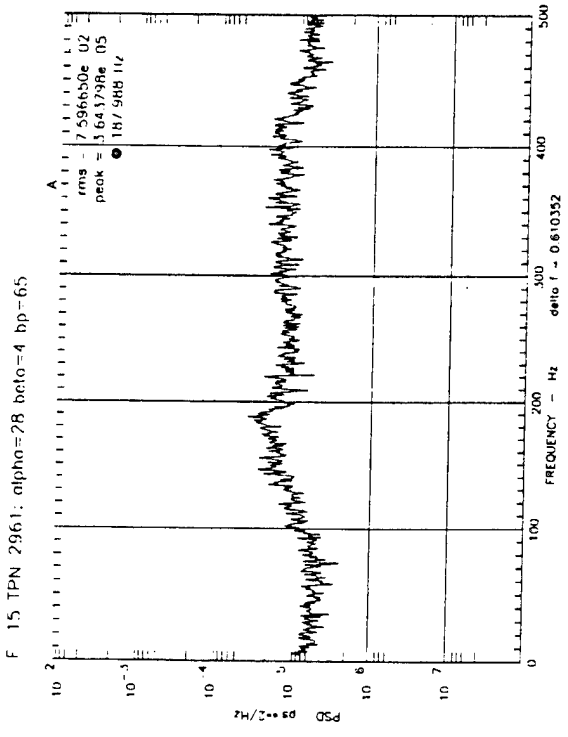
F 15 TPN 3048: alpha=24 beta=4 bp=65

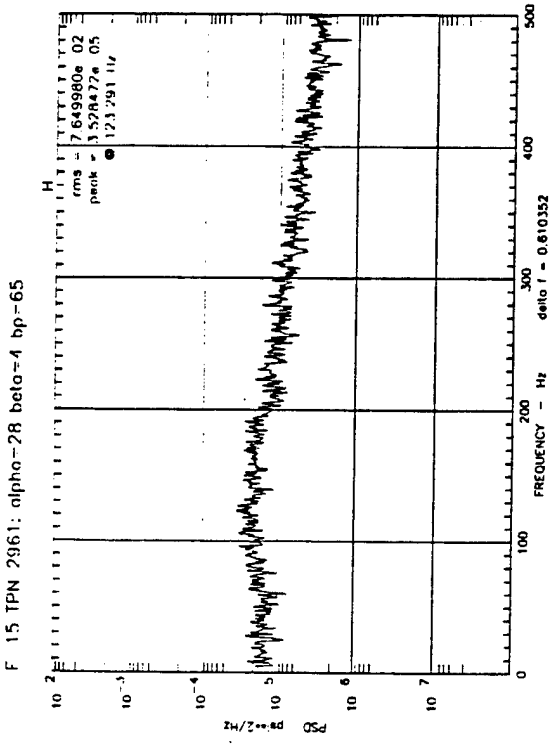


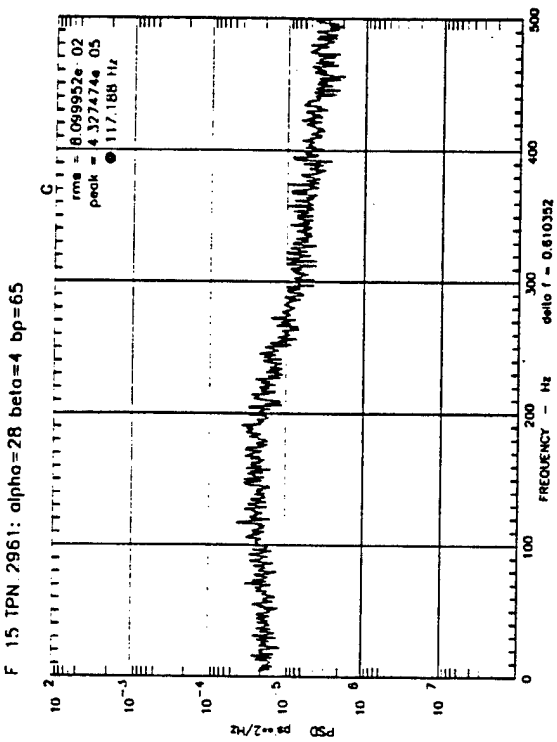

F 15 TPN 2961: alpha=28 beta=4 bp=65
D
rms = 3.690715e 02
peak = 1.785189e 05
@ 190.430 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

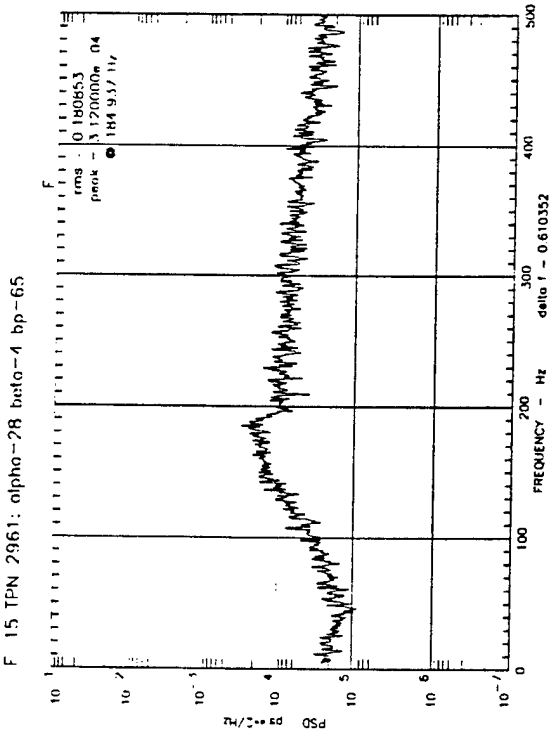

F 15 TPN 2961: alpha=28 beta=4 bp=65
C
rms = 8.888754e 02
peak = 8.880057e 05
@ 184.937 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

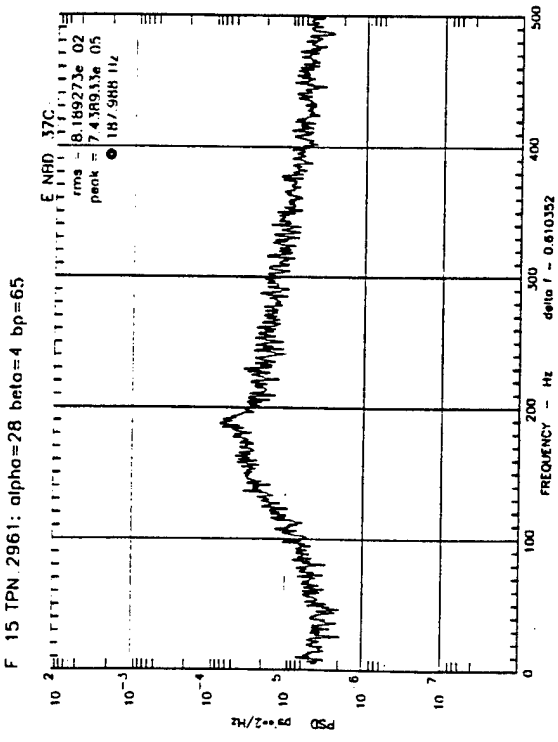

F 15 TPN 2961: alpha=28 beta=4 bp=65
B
rms = 8.733010e 02
peak = 7.737579e 05
@ 184.937 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2961: alpha=28 beta=4 bp=65
A
rms = 7.596650e 02
peak = 3.643798e 05
@ 187.988 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

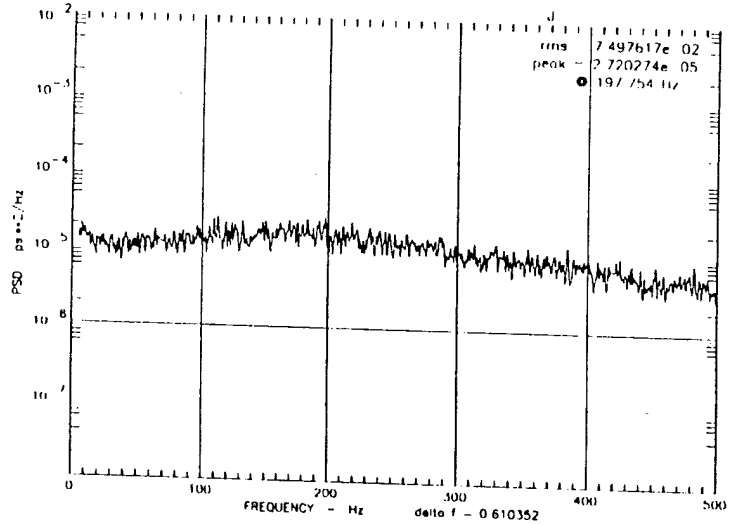

F 15 TPN 2961: alpha=28 beta=4 bp=65
H
rms = 7.649980e 02
peak = 3.528472e 05
@ 123.291 Hz
PSD p2**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2961: alpha=28 beta=4 bp=65
G
rms = 8.099952e 02
peak = 4.327474e 05
@ 117.188 Hz
PSD p2**2/Hz
FREQUENCY - Hz
delta f = 0.610352

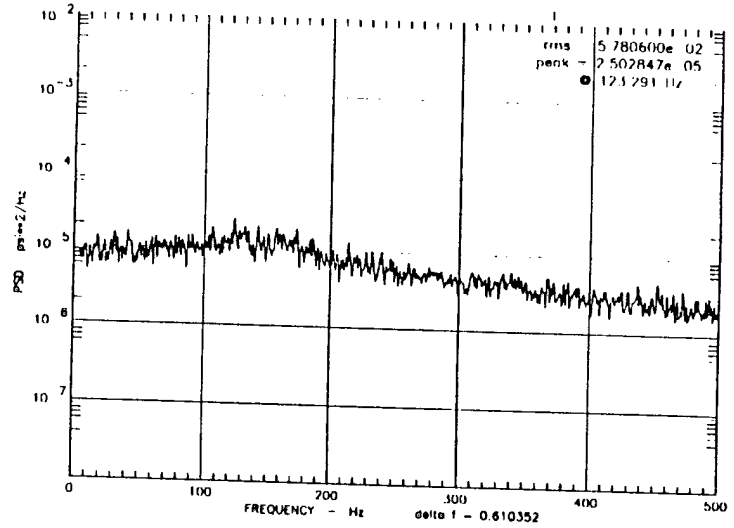

F 15 TPN 2961: alpha=28 beta=4 bp=65
F
rms = 0.180853
peak = 3.120000e 04
@ 184.937 Hz
PSD p2**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2961: alpha=28 beta=4 bp=65
E NAD 37C
rms = 8.189273e 02
peak = 7.438933e 05
@ 187.988 Hz
PSD p2**2/Hz
FREQUENCY - Hz
delta f = 0.610352

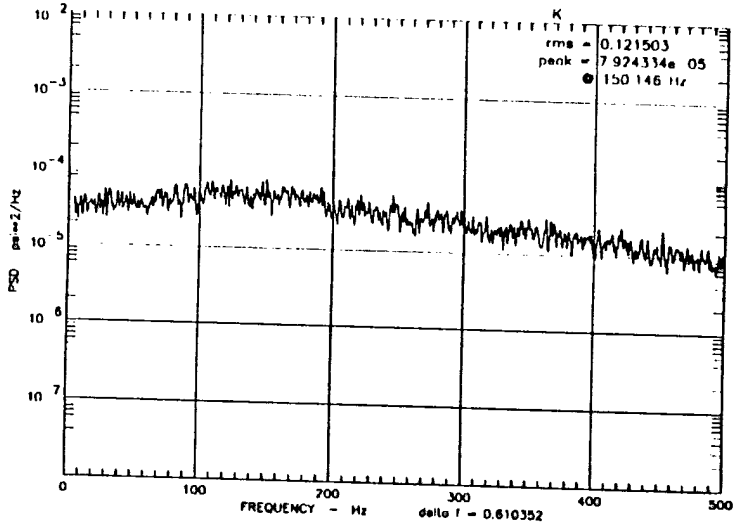
F 15 TPN 2961: alpha=28 beta=4 bp=65

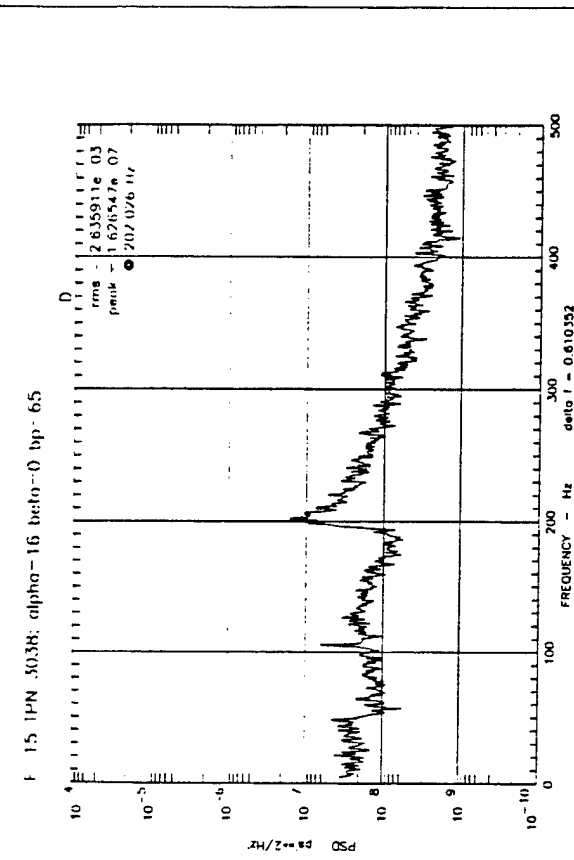


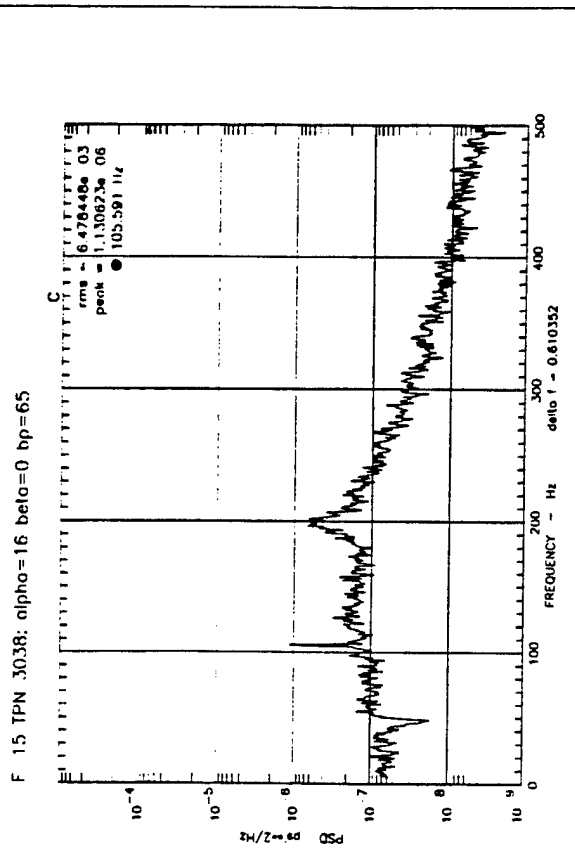
F 15 TPN 2961: alpha=28 beta=4 bp=65

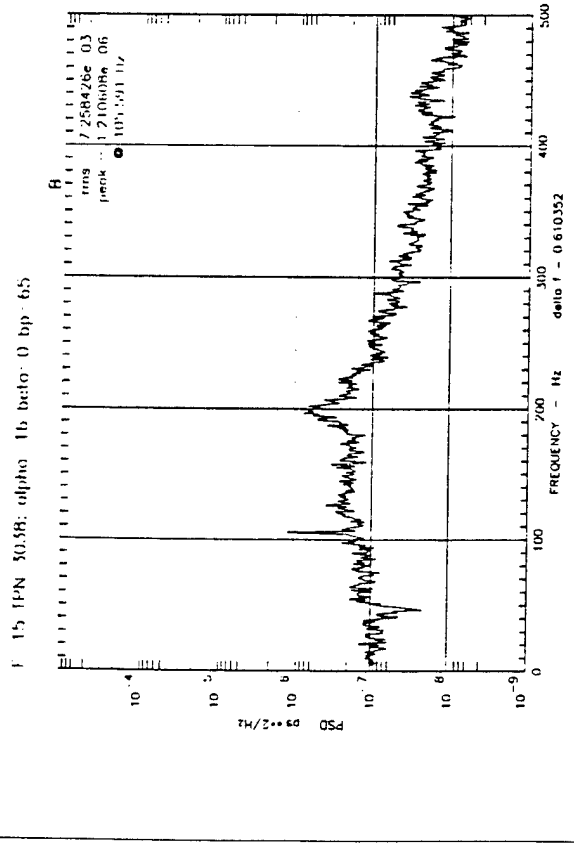


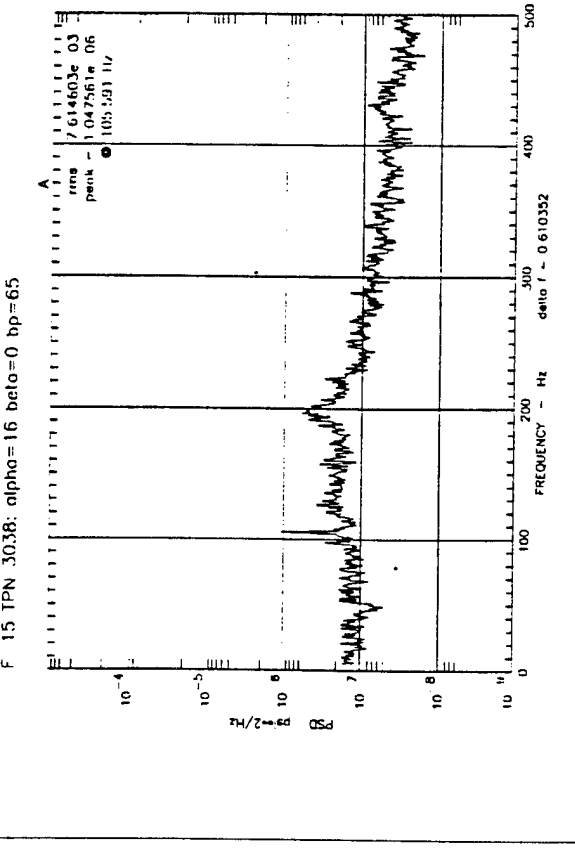
F 15 TPN 2961: alpha=28 beta=4 bp=65

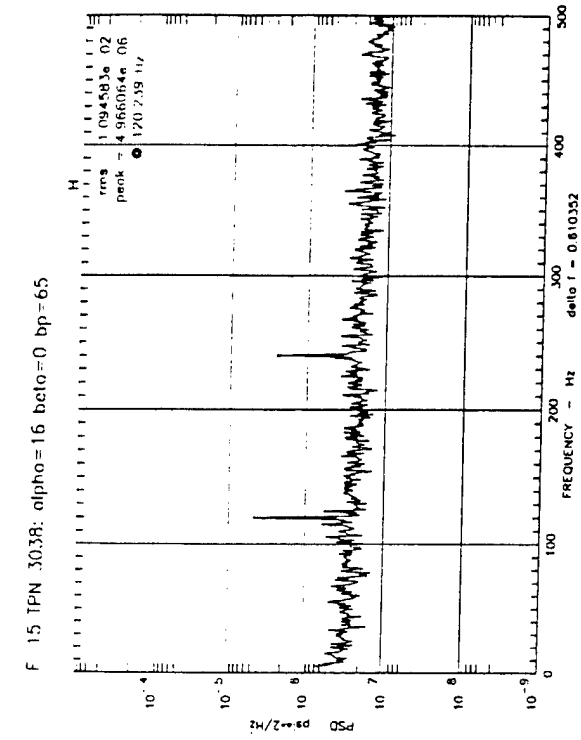


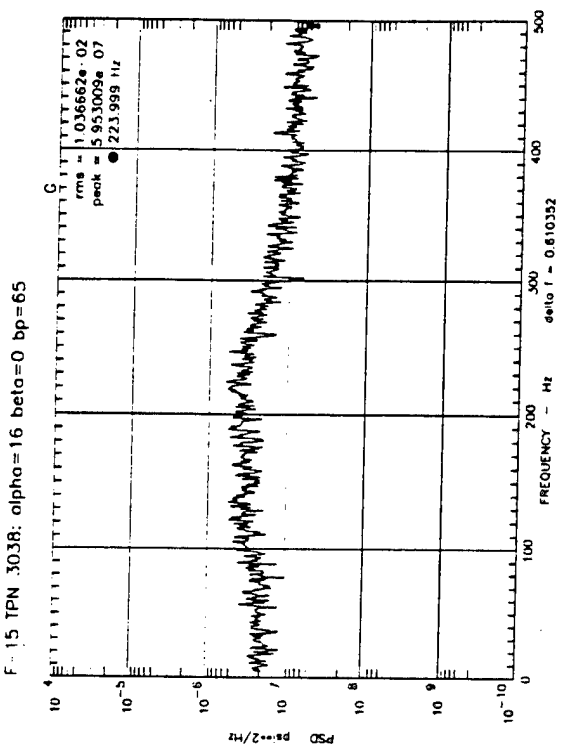

F 15 TPN 3038: alpha=16 beta=0 bp=65
D
rms = 2.635911e 03
peak = 1.626547e 07
@ 202.026 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

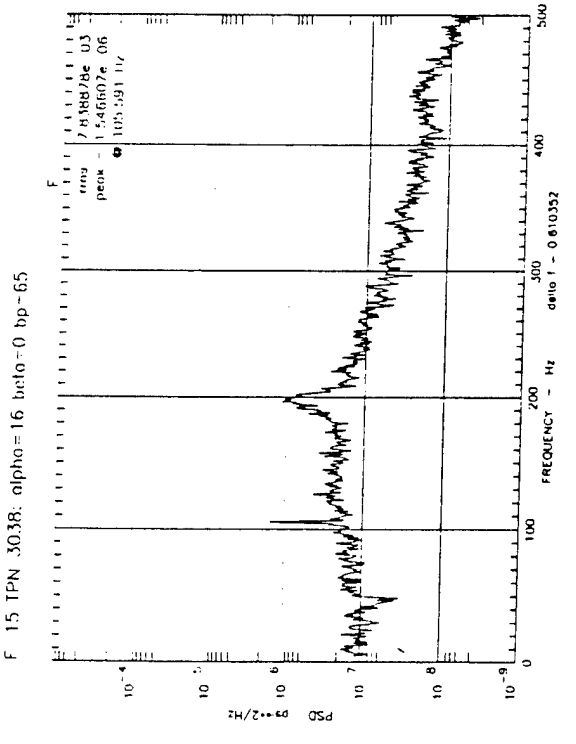

F 15 TPN 3038: alpha=16 beta=0 bp=65
C
rms = 6.478448e 03
peak = 1.130623e 06
@ 105.591 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

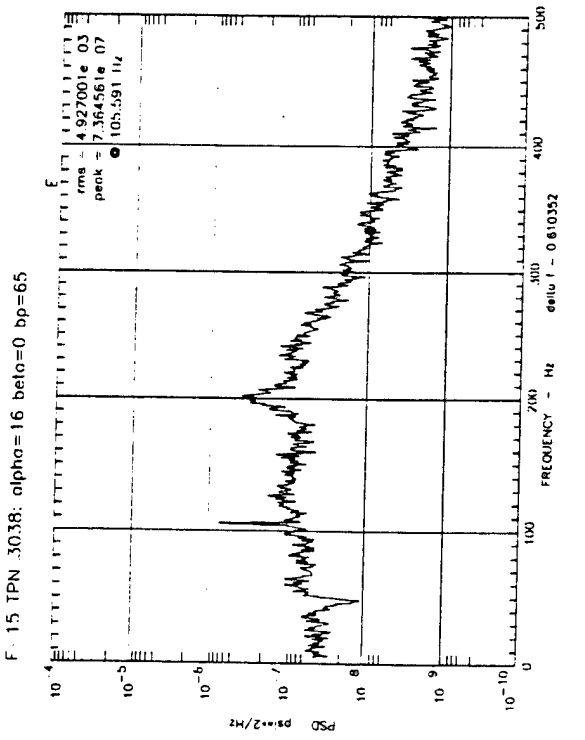

F 15 TPN 3038: alpha 16 beta 0 bp 65
B
rms = 7.258426e 03
peak = 1.210698e 06
@ 105.591 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 3038: alpha=16 beta=0 bp=65
A
rms = 7.614603e 03
peak = 1.047561e 06
@ 105.591 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

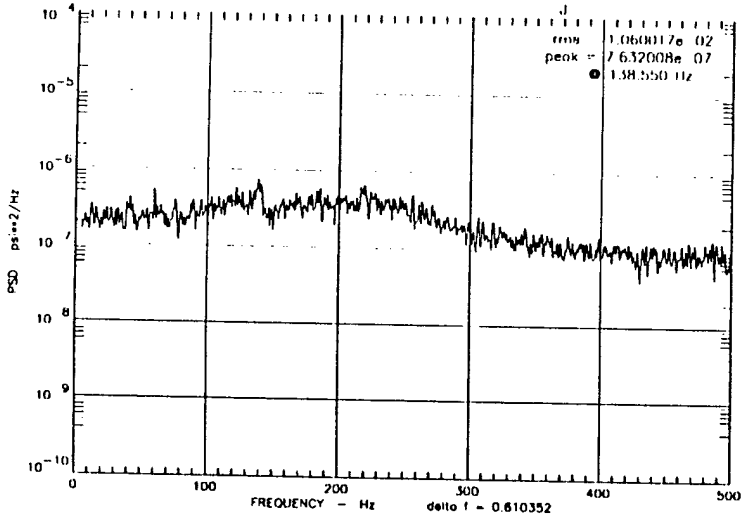

F 15 TPN .3038: alpha=16 beta=0 bp=65
H
rms = 1.094583e 02
peak = 4.966064e 06
@ 170.799 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3038: alpha=16 beta=0 bp=65
G
rms = 1.036662e 02
peak = 5.953009e 07
@ 223.999 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

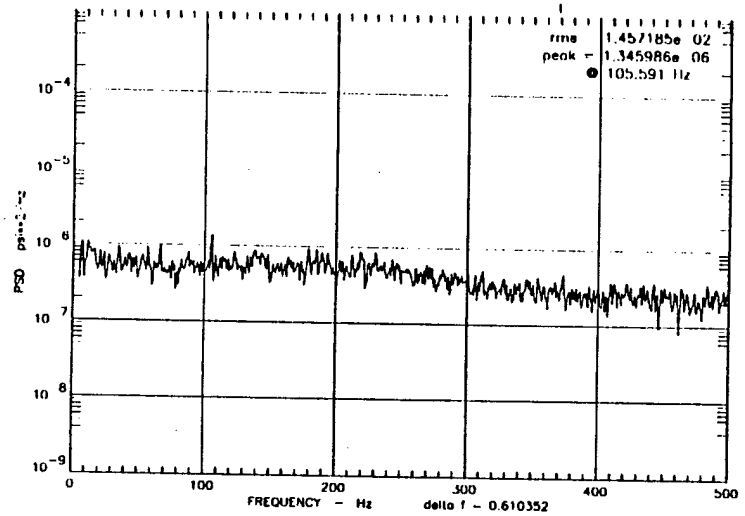

F 15 TPN .3038: alpha=16 beta=0 bp=65
F
rms = 7.818878e 03
peak = 1.546807e 06
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3038: alpha=16 beta=0 bp=65
E
rms = 4.927001e 03
peak = 7.364561e 07
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

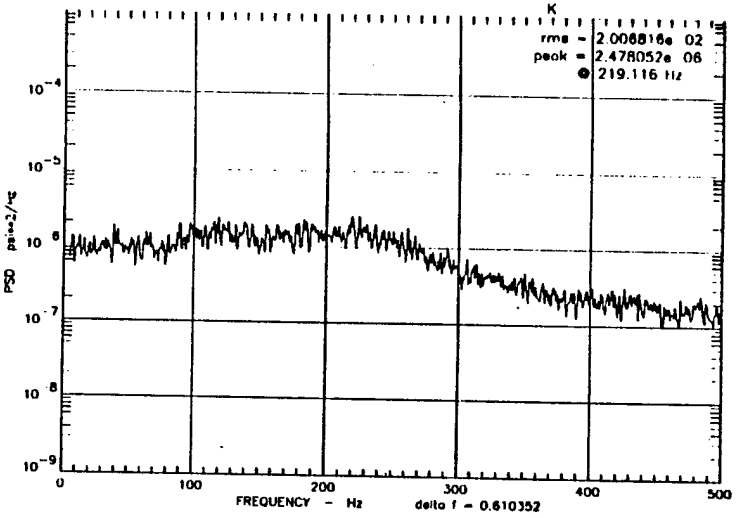
F 15 TPN 3038: alpha=16 beta=0 bp=65

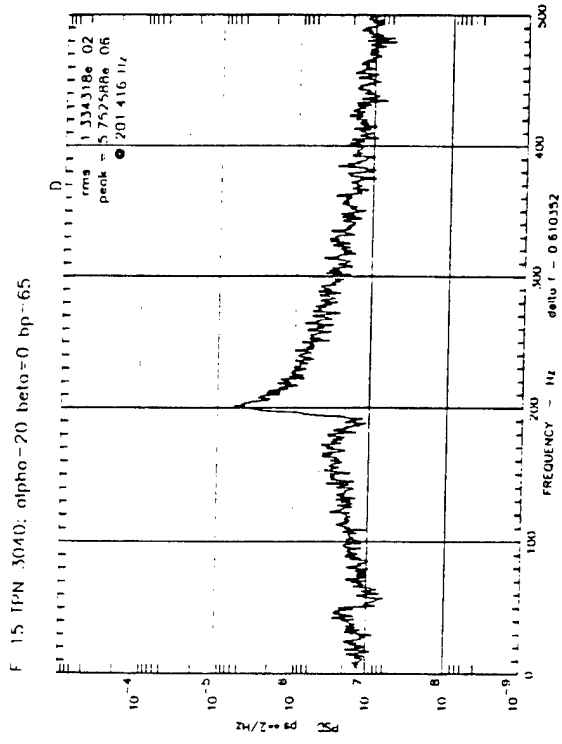


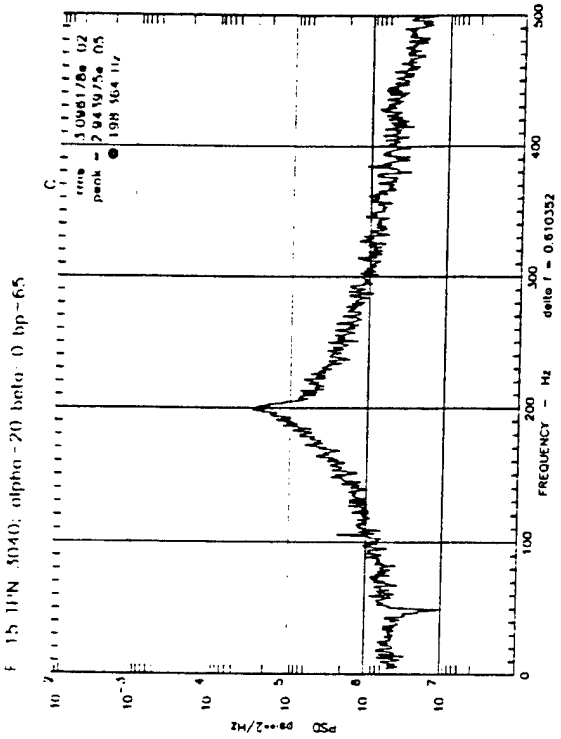
F 15 TPN 3038: alpha=16 beta=0 bp=65

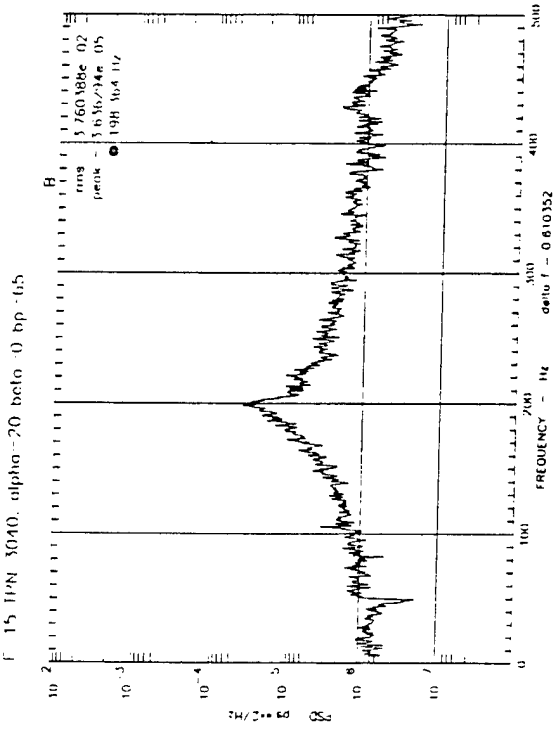


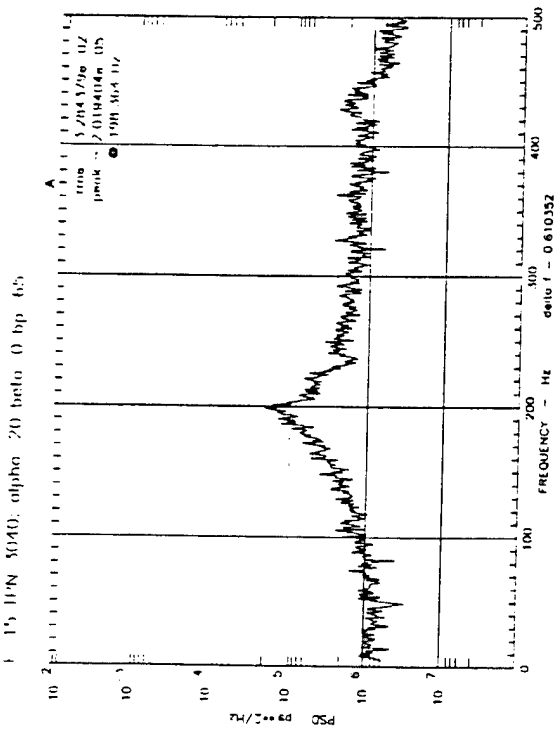
F 15 TPN 3038: alpha=16 beta=0 bp=65



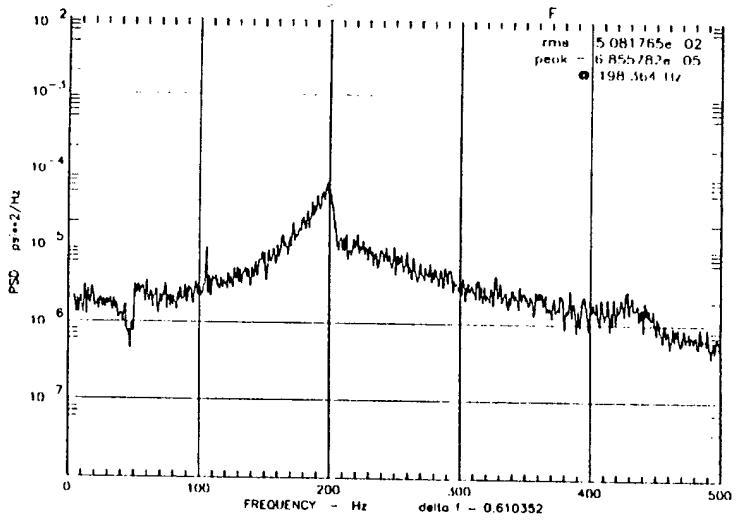

F 15 TFN 3040: alpha=20 beta=0 bp-65
D
rms 1.334318e 02
peak = 5.752588e 06
@ 201.416 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TFN 3040: alpha=20 beta=0 bp-65
C
rms 3.096178e 02
peak = 2.941975e 05
@ 198.364 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

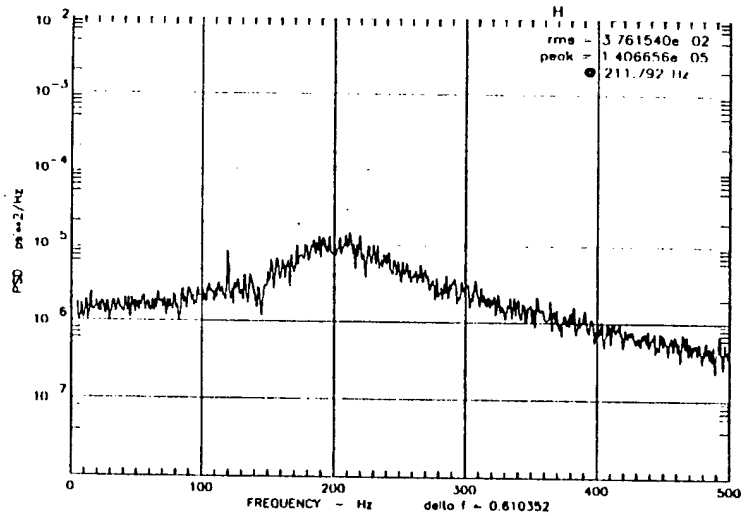

F 15 TFN 3040: alpha=20 beta=0 bp-65
B
rms 3.760188e 02
peak = 3.535714e 05
@ 198.364 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TFN 3040: alpha=20 beta=0 bp-65
A
rms 3.704179e 02
peak = 3.019401e 05
@ 198.364 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

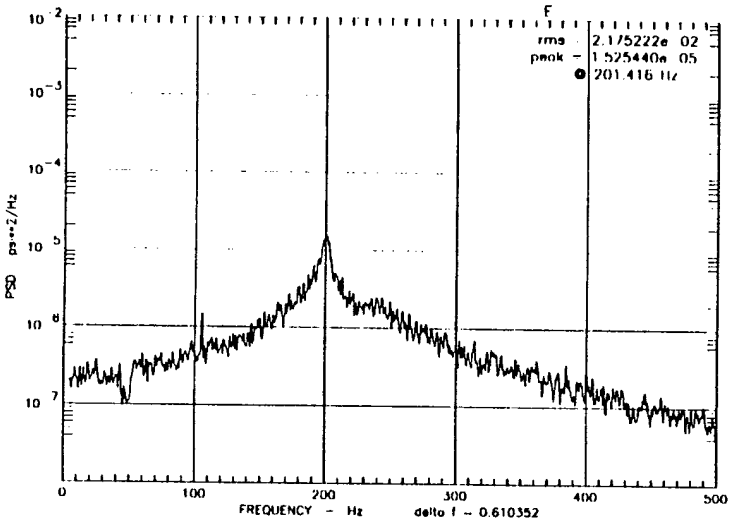
F 15 TPN 3040: alpha=20 beta=0 bp=65



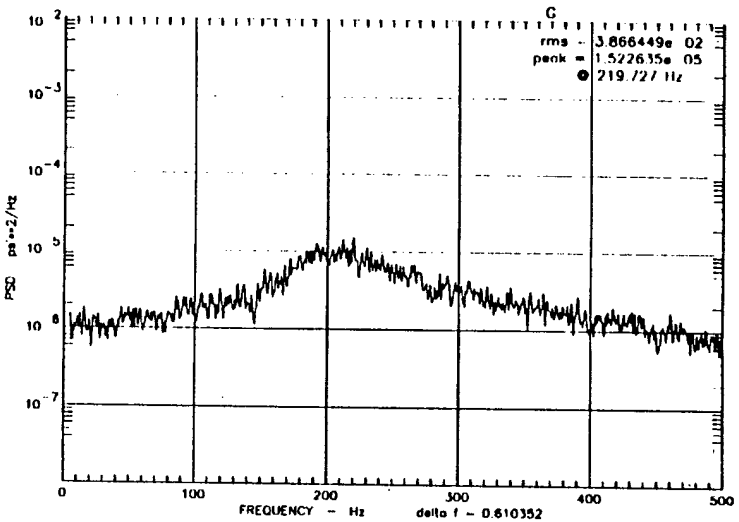
F 15 TPN 3040: alpha=20 beta=0 bp=65



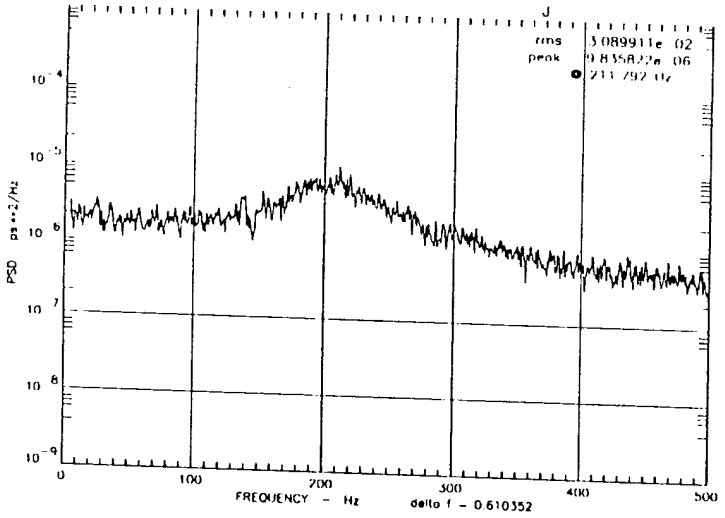
F 15 TPN 3040: alpha=20 beta=0 bp=65



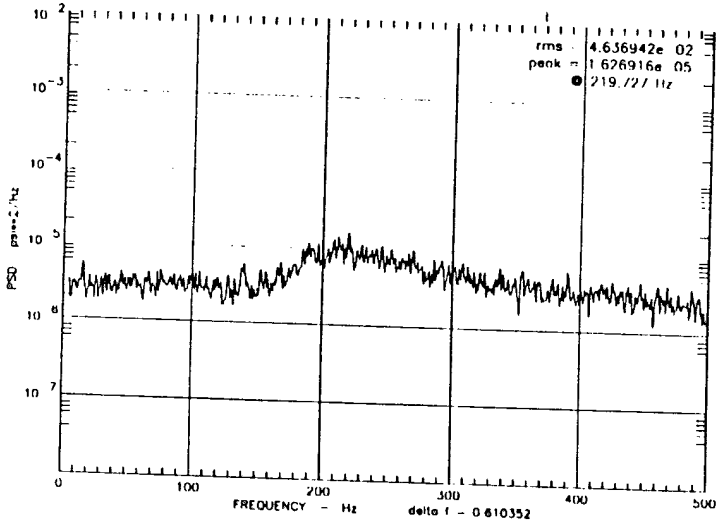
F 15 TPN 3040: alpha=20 beta=0 bp=65



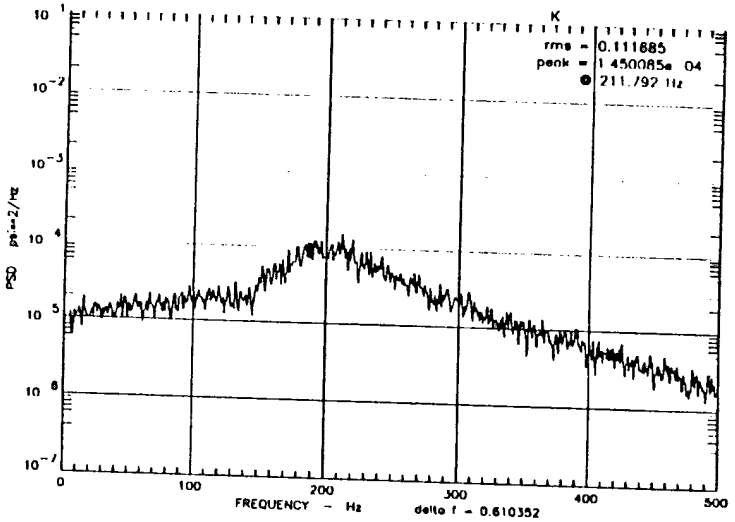
F 15 TPN 3040: alpha=20 beta=0 bp=65



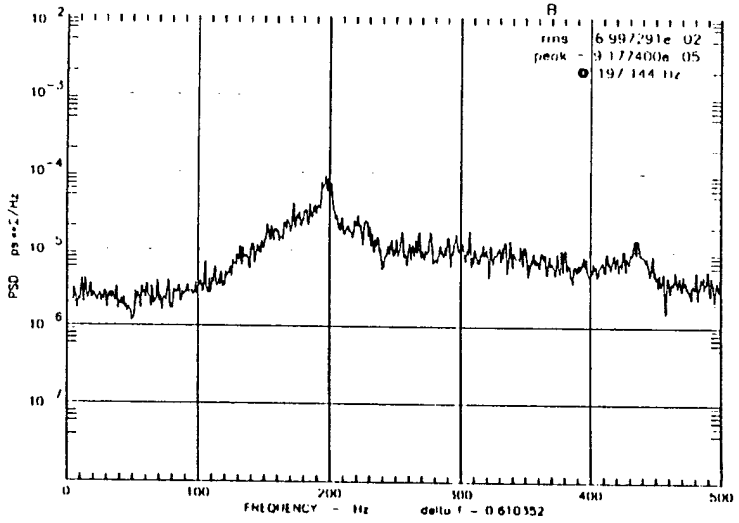
F 15 TPN 3040: alpha=20 beta=0 bp=65



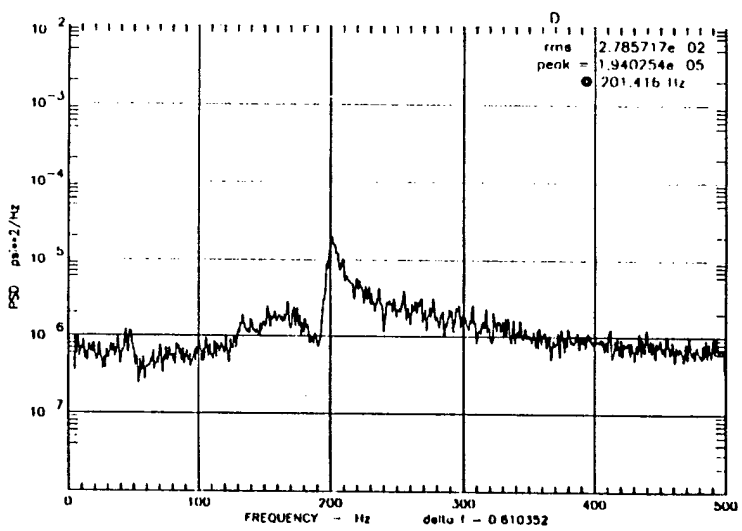
F 15 TPN 3040: alpha=20 beta=0 bp=65



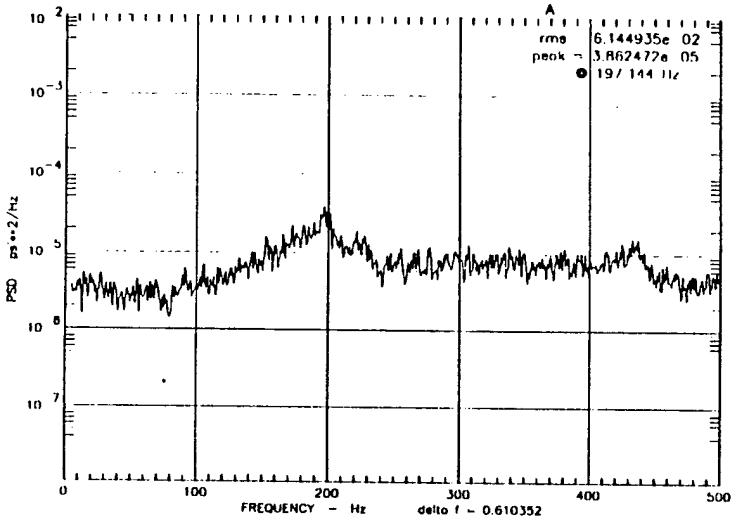
F 15 TPN 3042: alpha=24 beta=0 bp=65



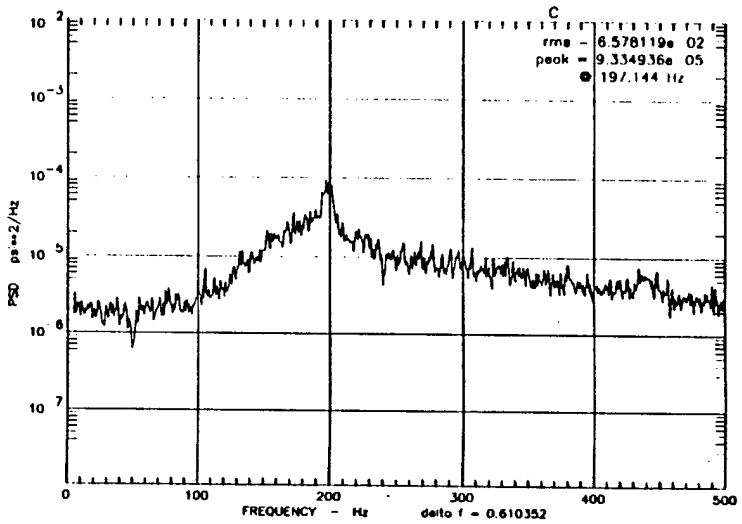
F 15 TPN 3042: alpha=24 beta=0 bp=65



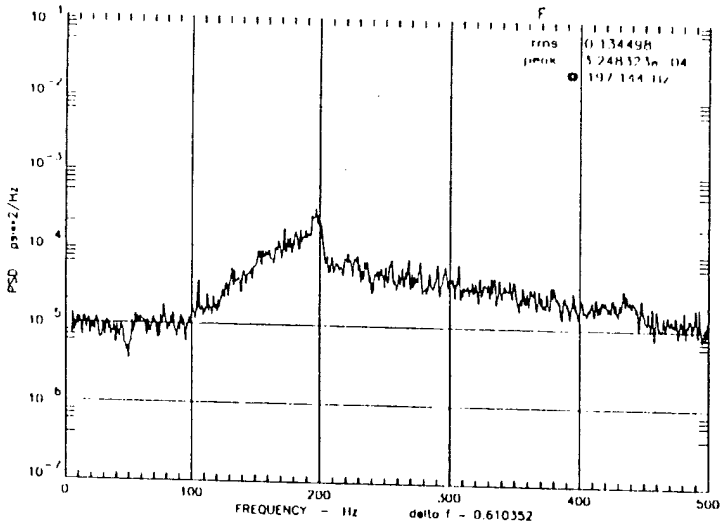
F 15 TPN 3042: alpha=24 beta=0 bp=65



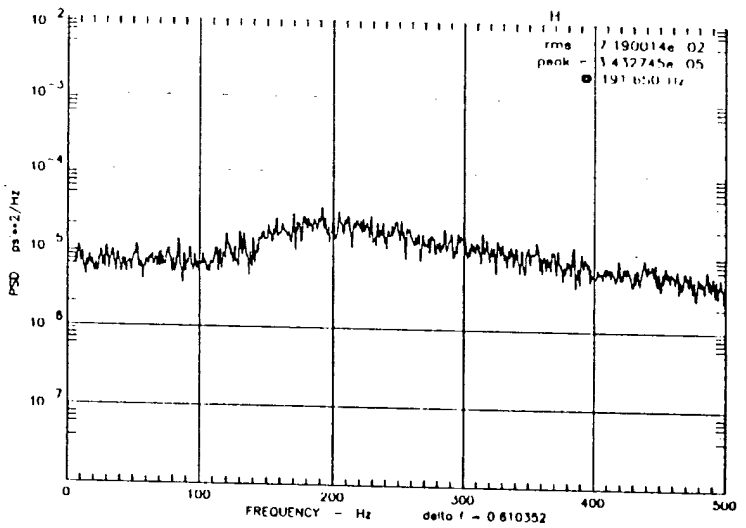
F 15 TPN 3042: alpha=24 beta=0 bp=65



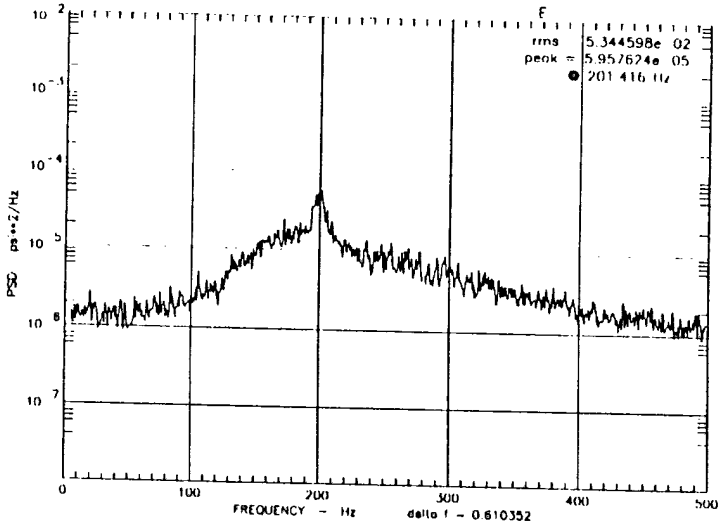
F 15 TPN 3042: alpha=24 beta=0 bp=65



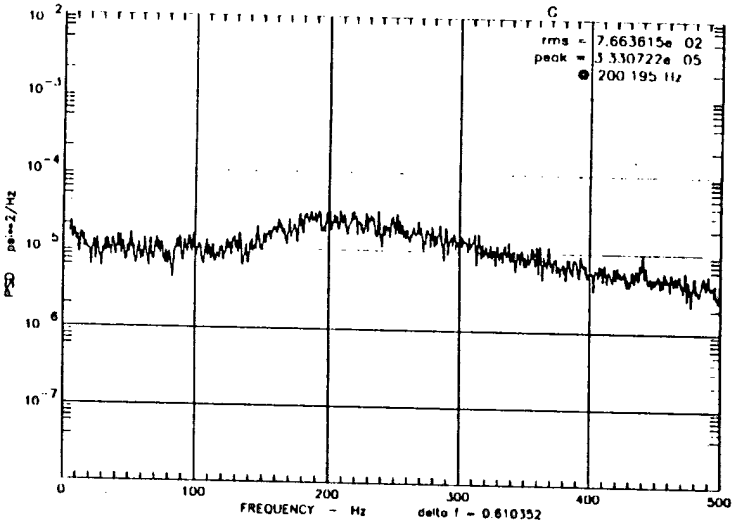
F 15 TPN 3042: alpha=24 beta=0 bp=65



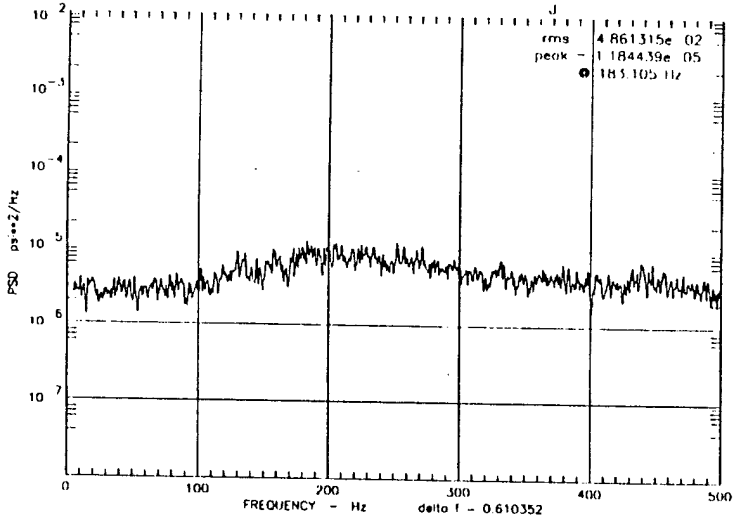
F 15 TPN 3042: alpha=24 beta=0 bp=65



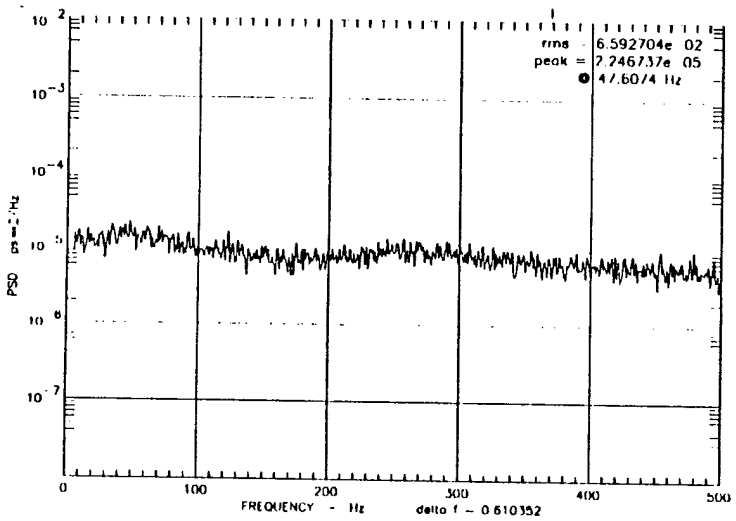
F 15 TPN 3042: alpha=24 beta=0 bp=65



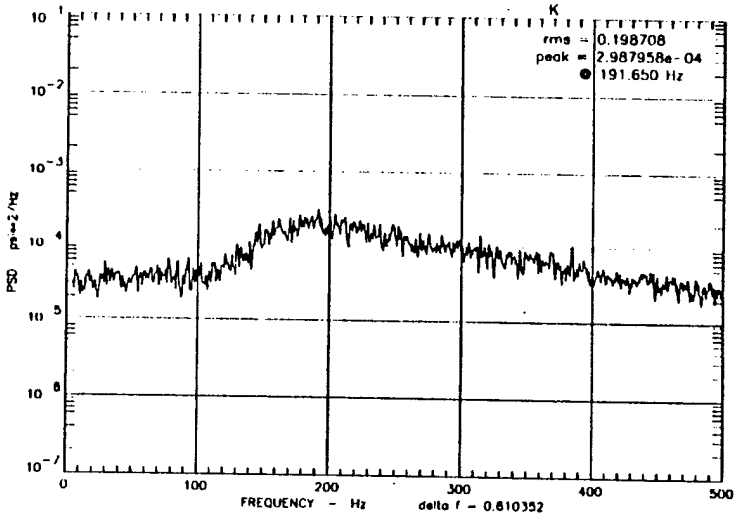
F 15 TPN 3042: alpha=24 beta=0 bp=65

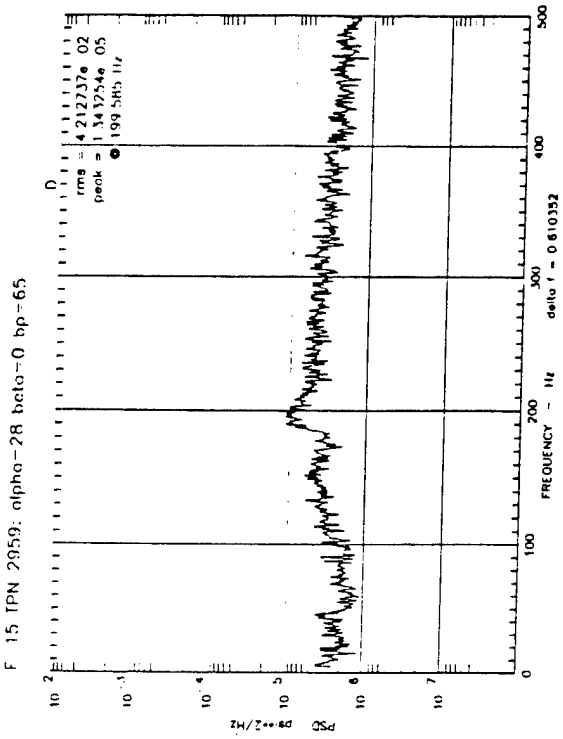


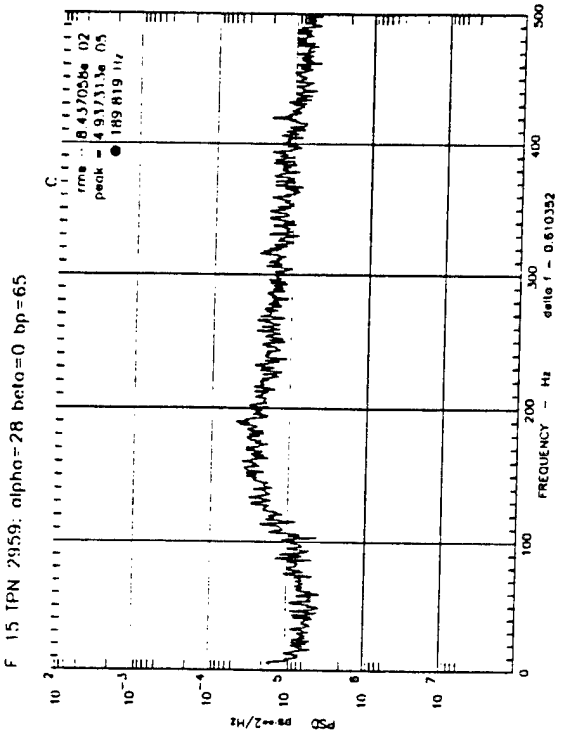
F 15 TPN 3042: alpha=24 beta=0 bp=65

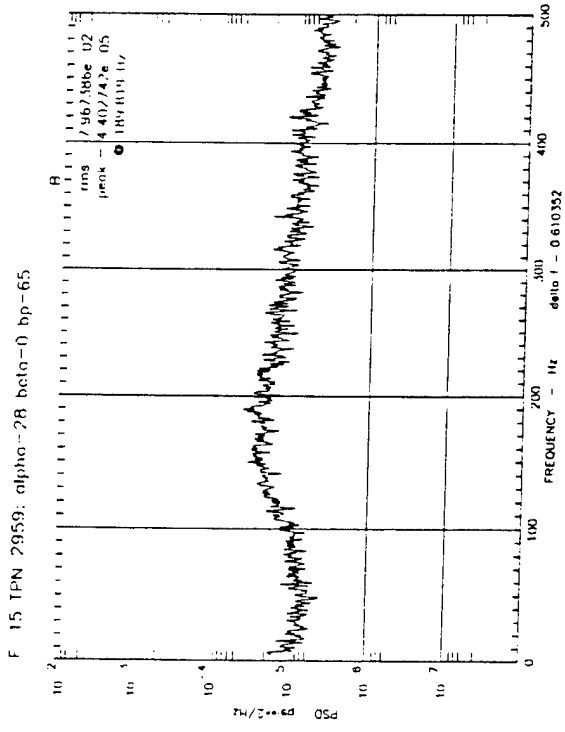


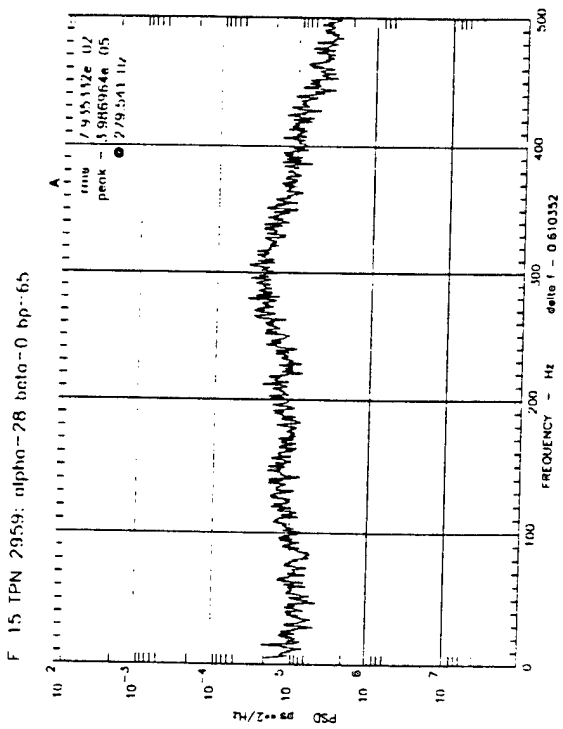
F 15 TPN 3042: alpha=24 beta=0 bp=65



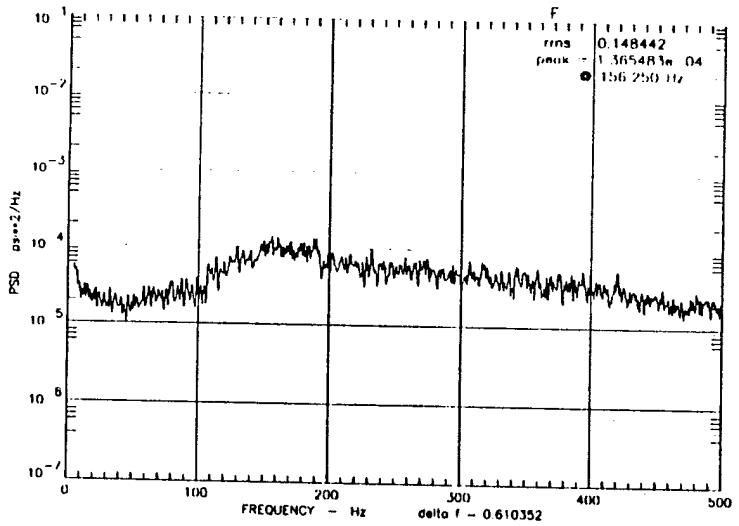

F 15 TPN 2959: alpha=28 beta=0 bp=65
D
rms = 4.212737e 02
peak = 1.341254e 05
@ 199.585 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2959: alpha=28 beta=0 bp=65
C
rms = 8.437058e 02
peak = 4.937313e 05
@ 189.819 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

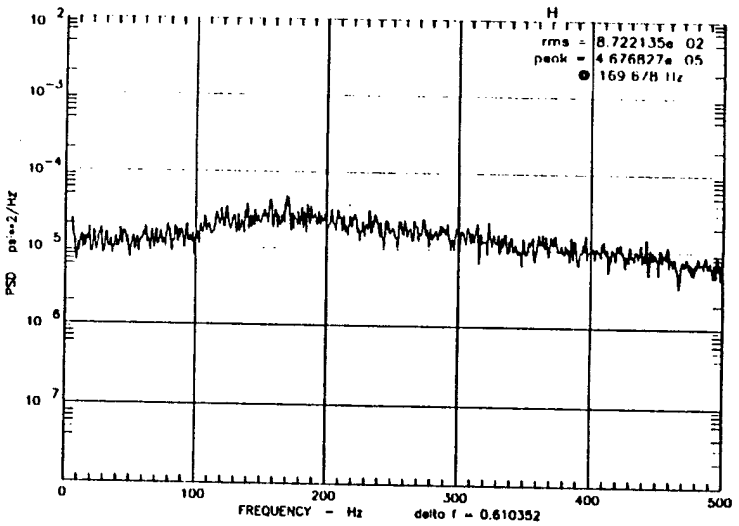

F 15 TPN 2959: alpha=28 beta=0 bp=65
B
rms = 7.967386e 02
peak = 4.407743e 05
@ 189.819 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2959: alpha=28 beta=0 bp=65
A
rms = 7.953532e 02
peak = 4.398964e 05
@ 279.541 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

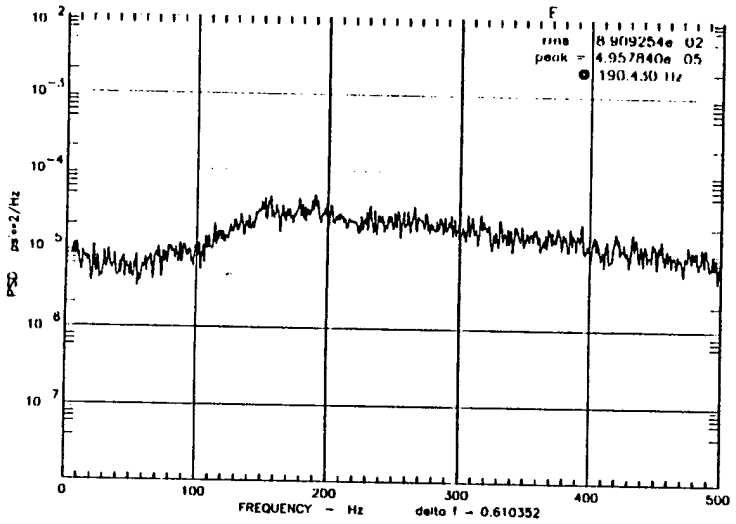
F 15 TPN 2959: alpha=28 beta=0 bp=65



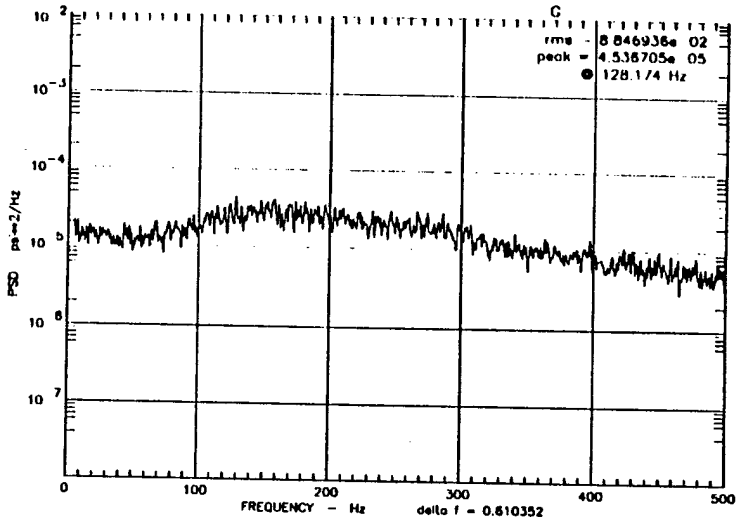
F 15 TPN 2959: alpha=28 beta=0 bp=65



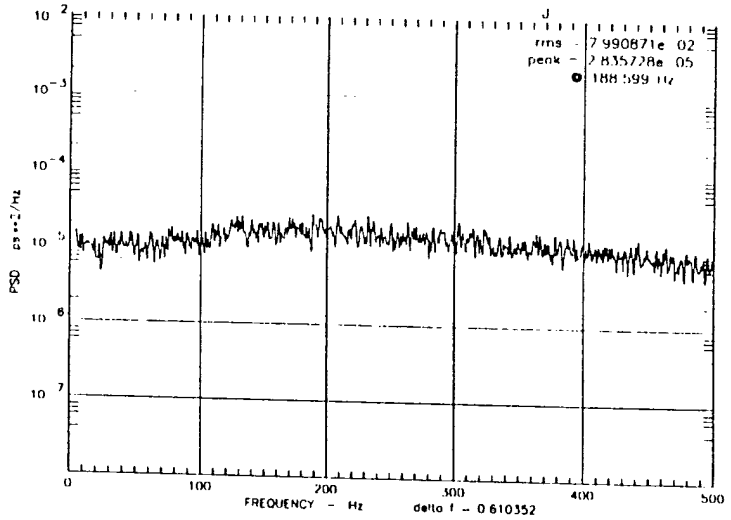
F 15 TPN 2959: alpha=28 beta=0 bp=65



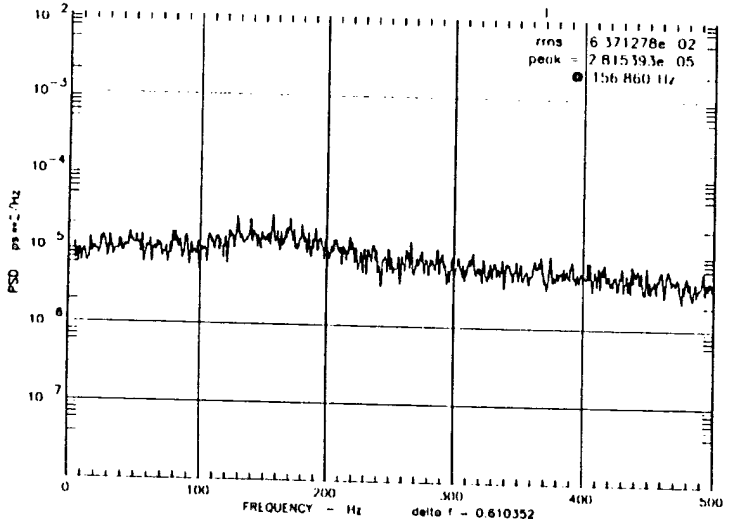
F 15 TPN 2959: alpha=28 beta=0 bp=65



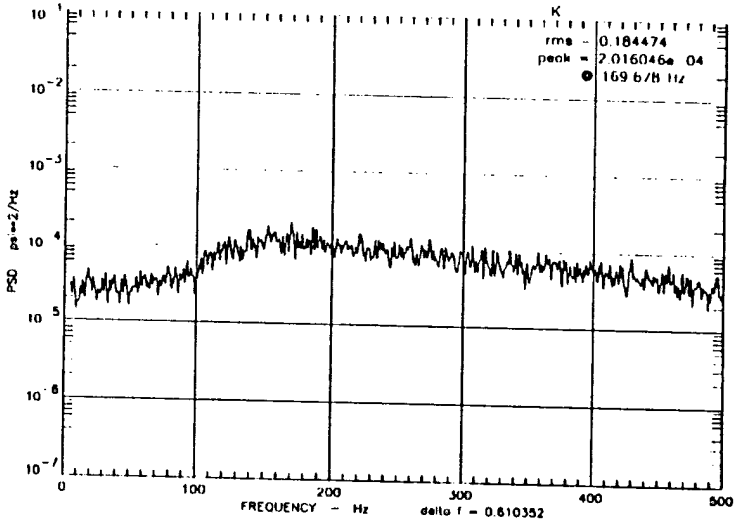
F 15 TPN 2959: alpha=28 beta=0 bp=65

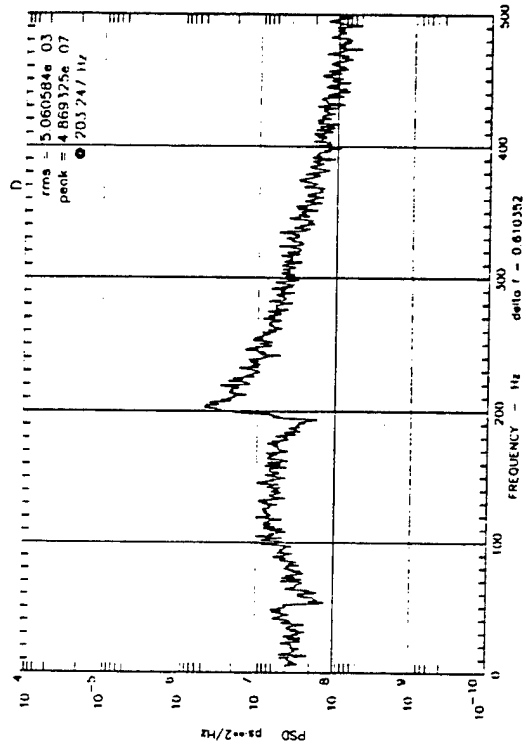


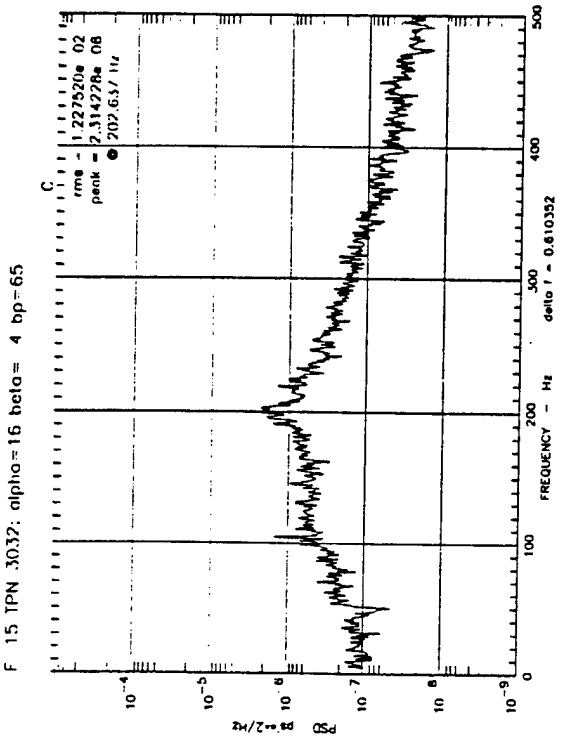
F 15 TPN 2959: alpha=28 beta=0 bp=65

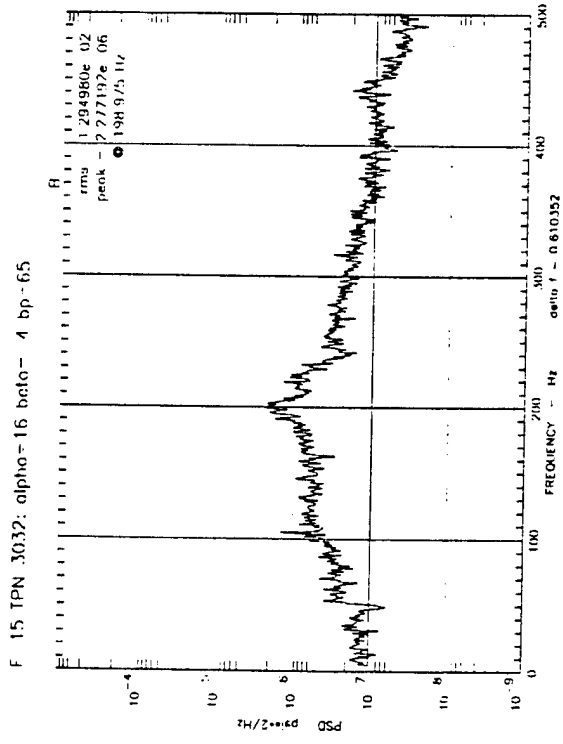


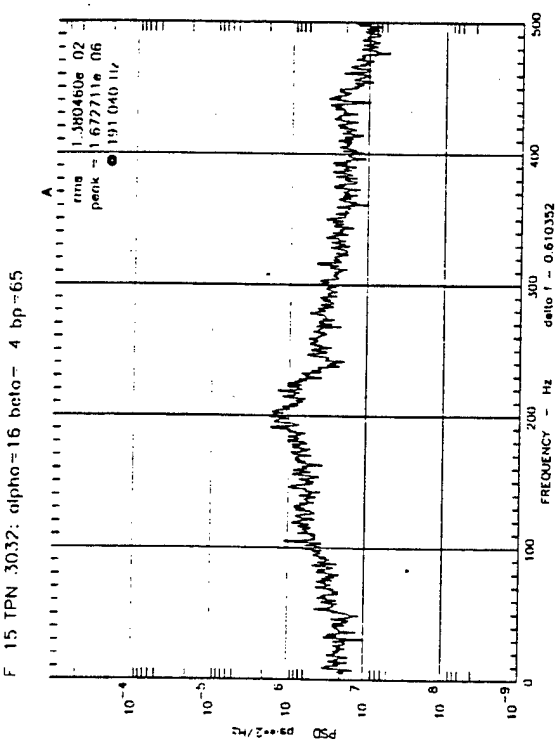
F 15 TPN 2959: alpha=28 beta=0 bp=65

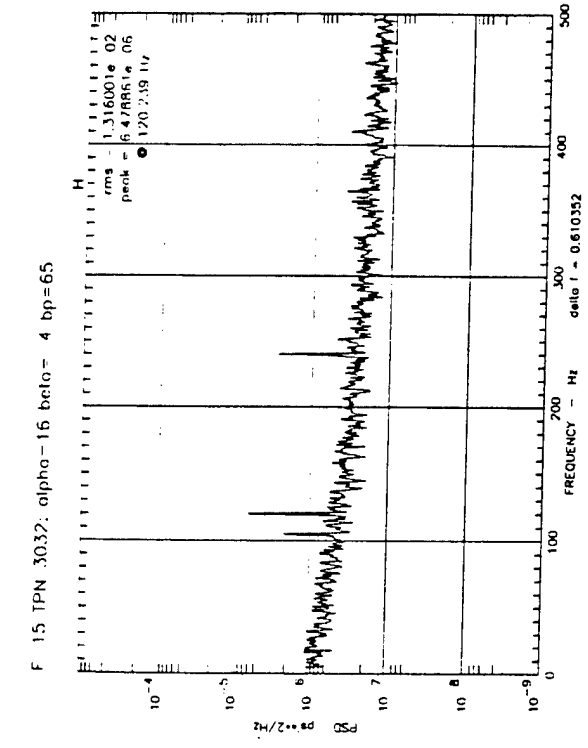


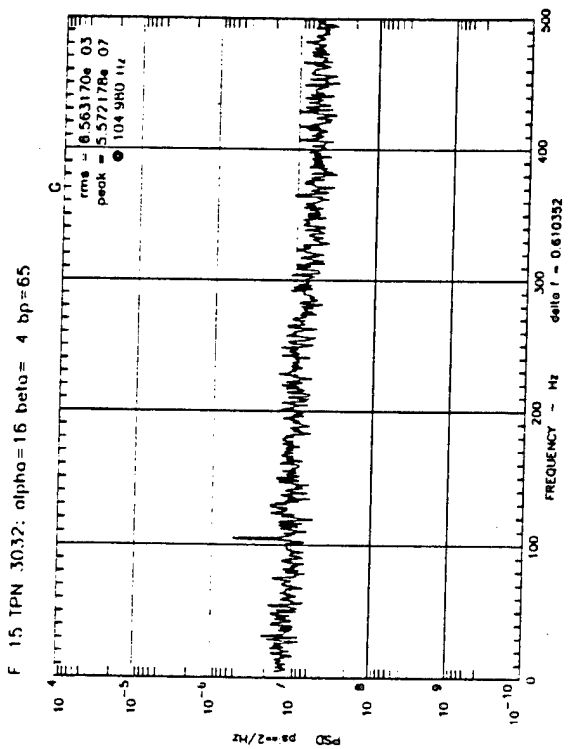

F 15 TPN .3032: alpha=16 beta= 4 bp=65
D
rms = 5.060584e 03
peak = 4.869125e 07
@ 203.247 Hz
PSD p$**2/Hz
FREQUENCY - Hz
delta f = 0.610352

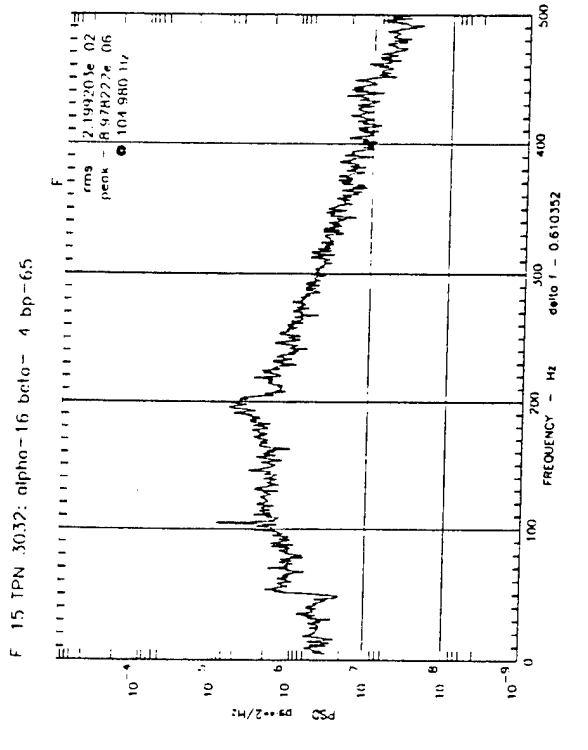

F 15 TPN .3032: alpha=16 beta= 4 bp=65
C
rms = 1.227520e 02
peak = 2.314228e 06
@ 207.637 Hz
PSD p$**2/Hz
FREQUENCY - Hz
delta f = 0.610352

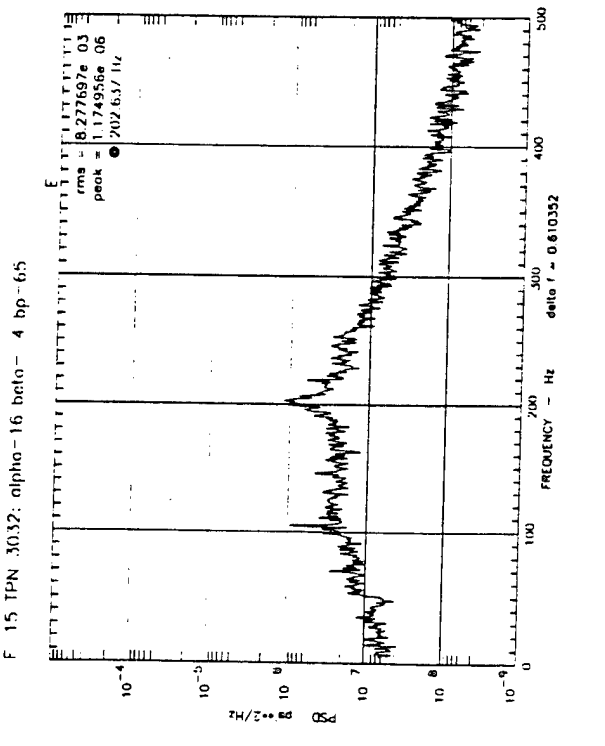

F 15 TPN .3032: alpha=16 beta= 4 bp=65
B
rms = 1.294980e 02
peak = 2.777192e 06
@ 198.975 Hz
PSD p$**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3032: alpha=16 beta= 4 bp=65
A
rms = 1.380460e 02
peak = 1.677111e 06
@ 191.040 Hz
PSD p$**2/Hz
FREQUENCY - Hz
delta f = 0.610352

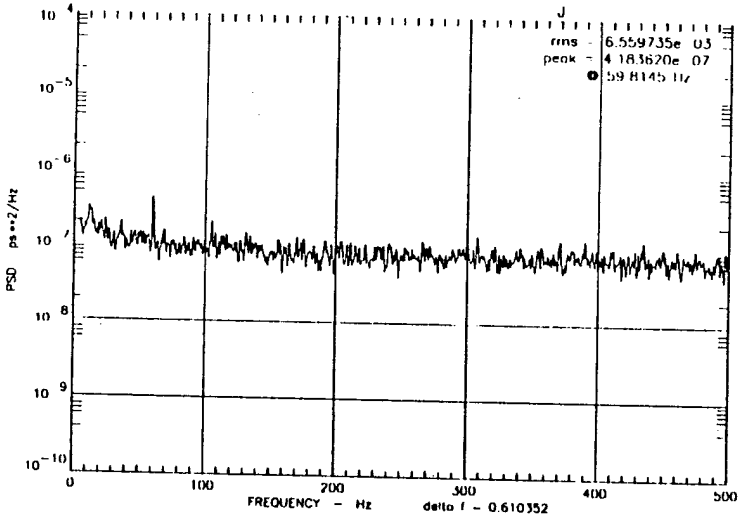

F 15 TPN .3032: alpha=16 beta= 4 bp=65
H
rms = 1.316001e 02
peak = 6.478861e 06
@ 120.239 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3032: alpha=16 beta= 4 bp=65
G
rms = 8.563170e 03
peak = 5.572178e 07
@ 104.980 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

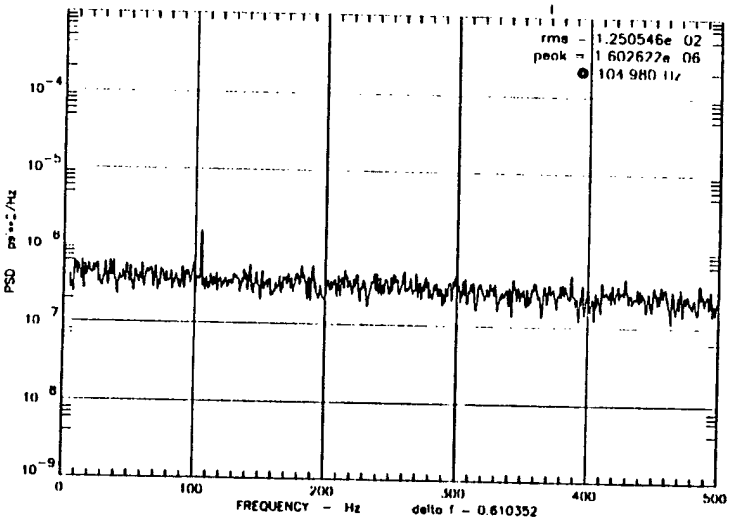

F 15 TPN .3032: alpha=16 beta= 4 bp=65
F
rms = 2.199201e 02
peak = 8.478223e 06
@ 104.980 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3032: alpha=16 beta= 4 bp=65
E
rms = 8.277697e 03
peak = 1.174956e 06
@ 202.637 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

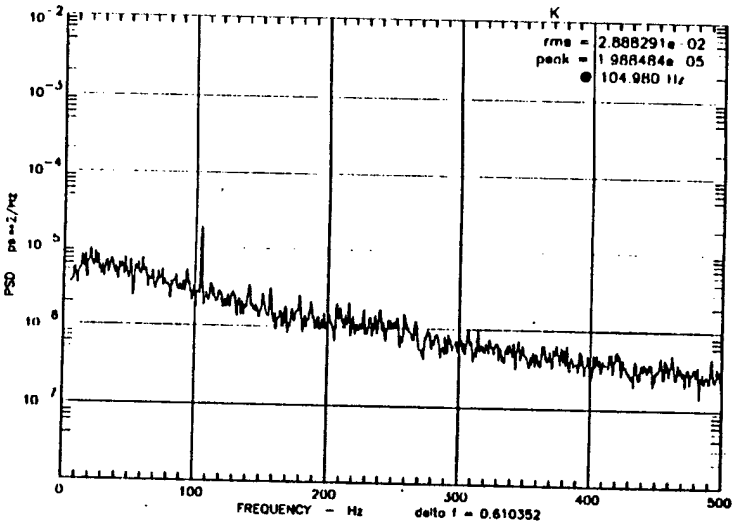
F 15 TPN 3032: alpha 16 beta= 4 bp 65

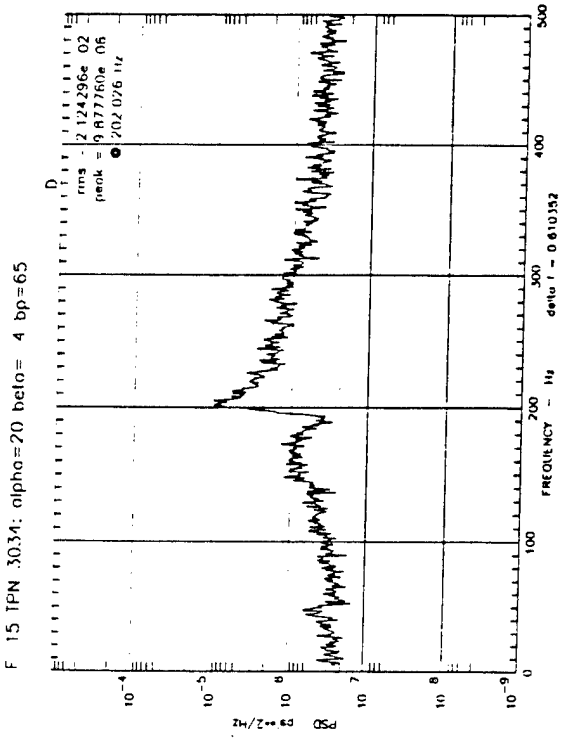


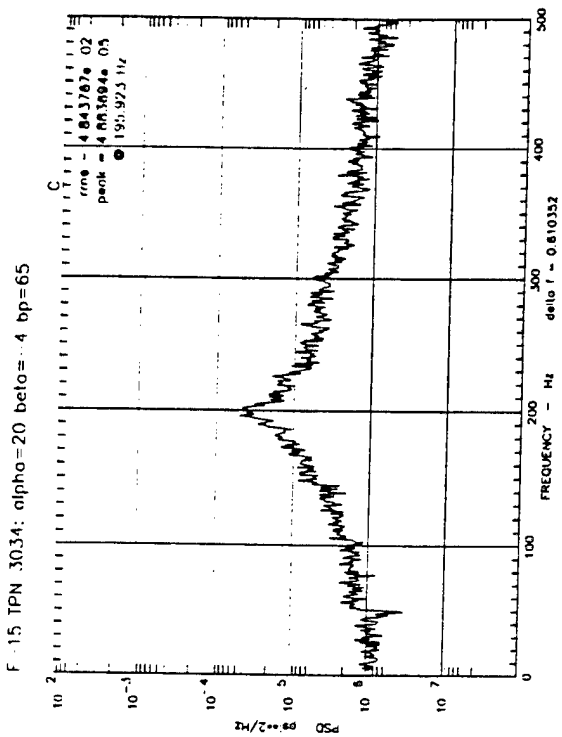
F 15 TPN 3032: alpha=16 beta= 4 bp=65

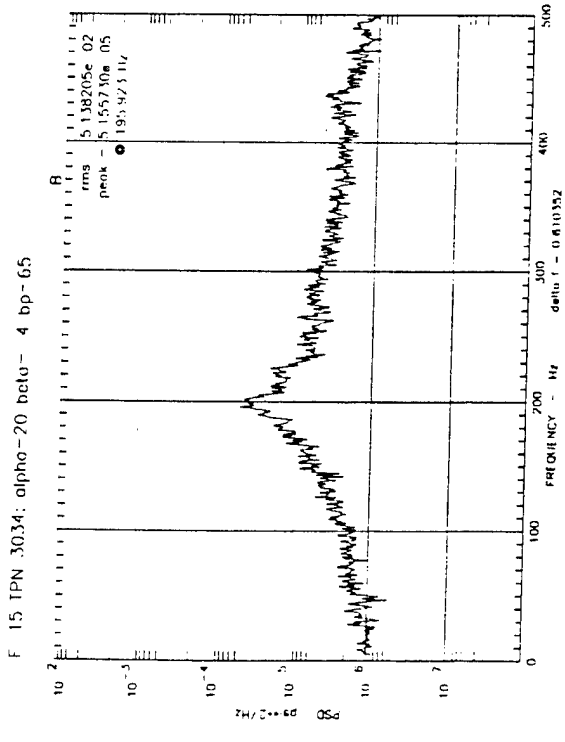


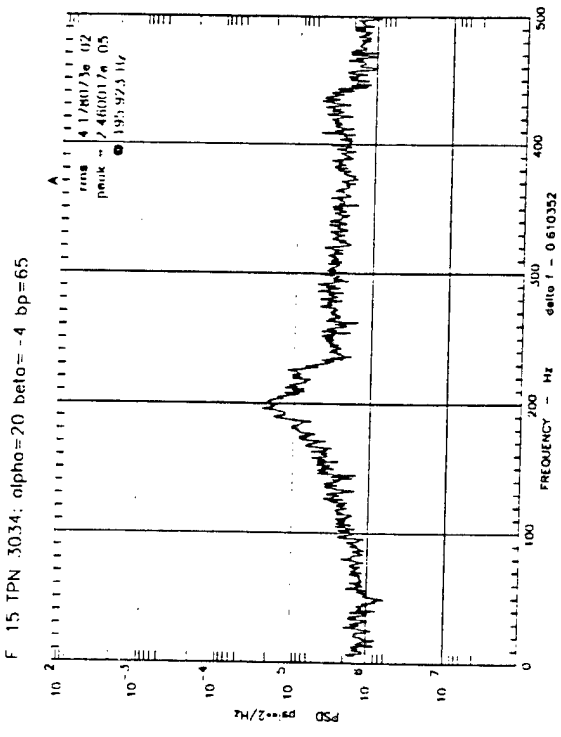
F-15 TPN 3032: alpha=16 beta=-4 bp=65



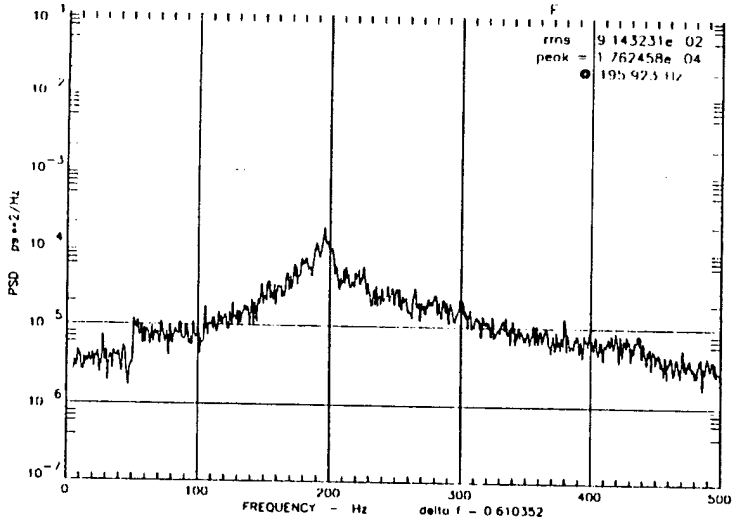

F 15 TPN .3034: alpha=20 beta= 4 bp=65
D
rms = 2.124296e 02
peak = 9.877760e 05
@ 202.026 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3034: alpha=20 beta= 4 bp=65
C
rms = 4.843787e 02
peak = 4.863894e 05
@ 195.923 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

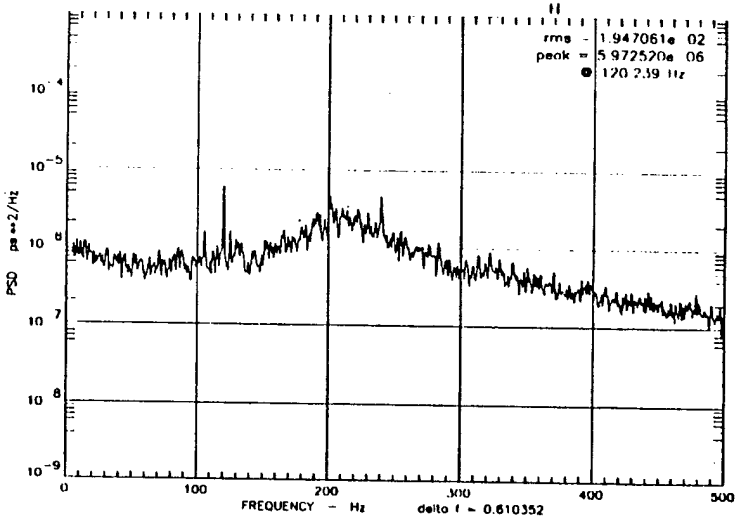

F 15 TPN .3034: alpha=20 beta= 4 bp=65
B
rms = 5.138205e 02
peak = 5.155710e 05
@ 195.923 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .3034: alpha=20 beta= 4 bp=65
A
rms = 4.178013e 02
peak = 7.460017e 05
@ 195.923 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

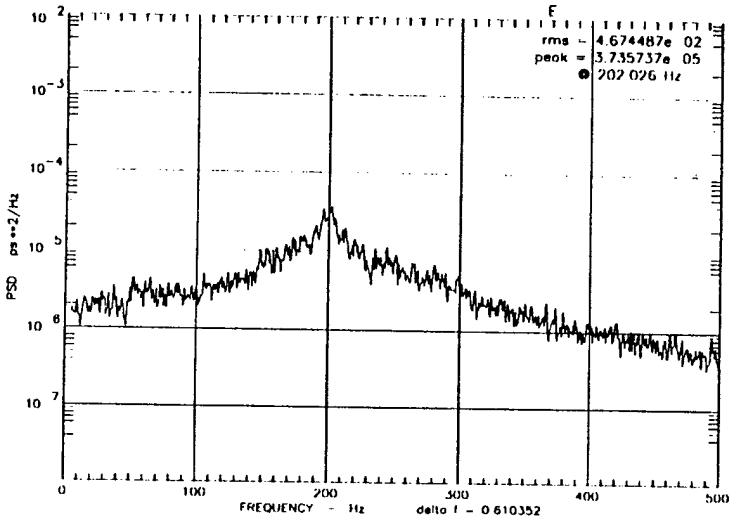
F 15 TPN 3034: alpha=20 beta= 4 bp=65



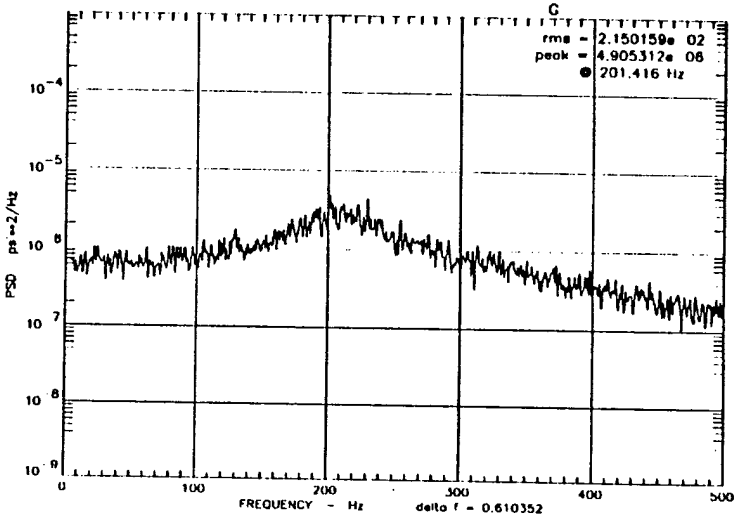
F 15 TPN 3034: alpha=20 beta= 4 bp=65



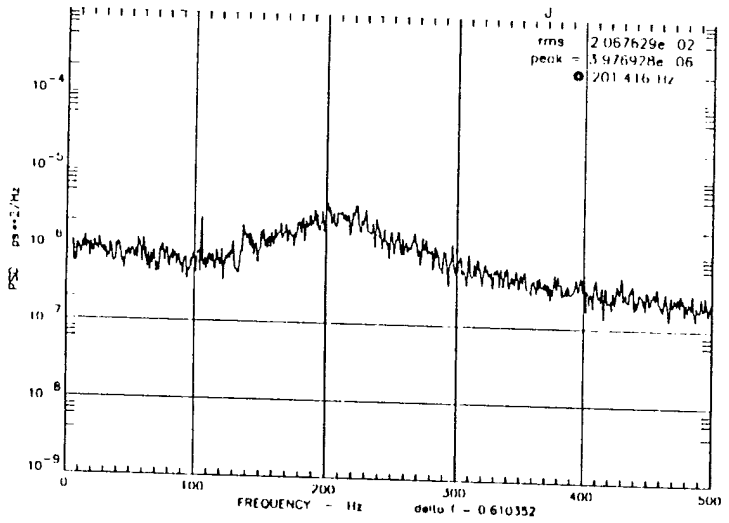
F 15 TPN 3034: alpha=20 beta= 4 bp=65



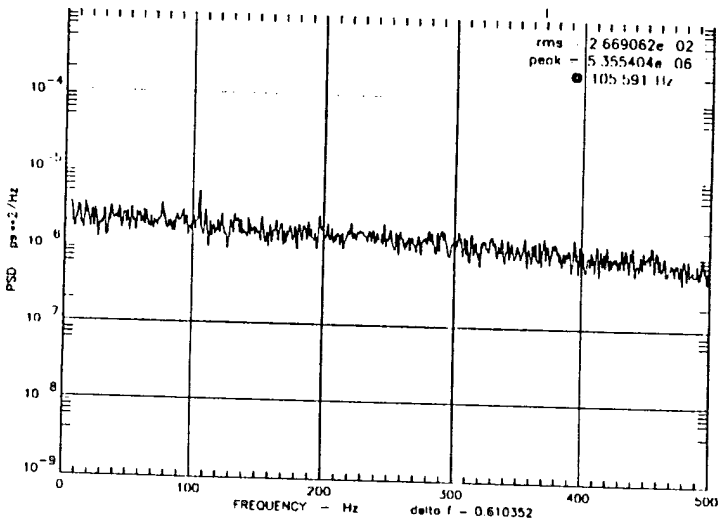
F 15 TPN 3034: alpha=20 beta= 4 bp=65



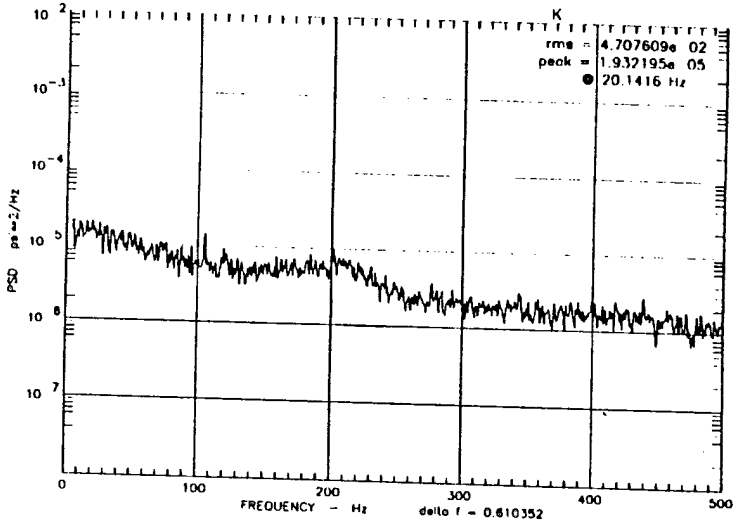
F 15 TPN 3034: alpha=20 beta= 4 bp=65

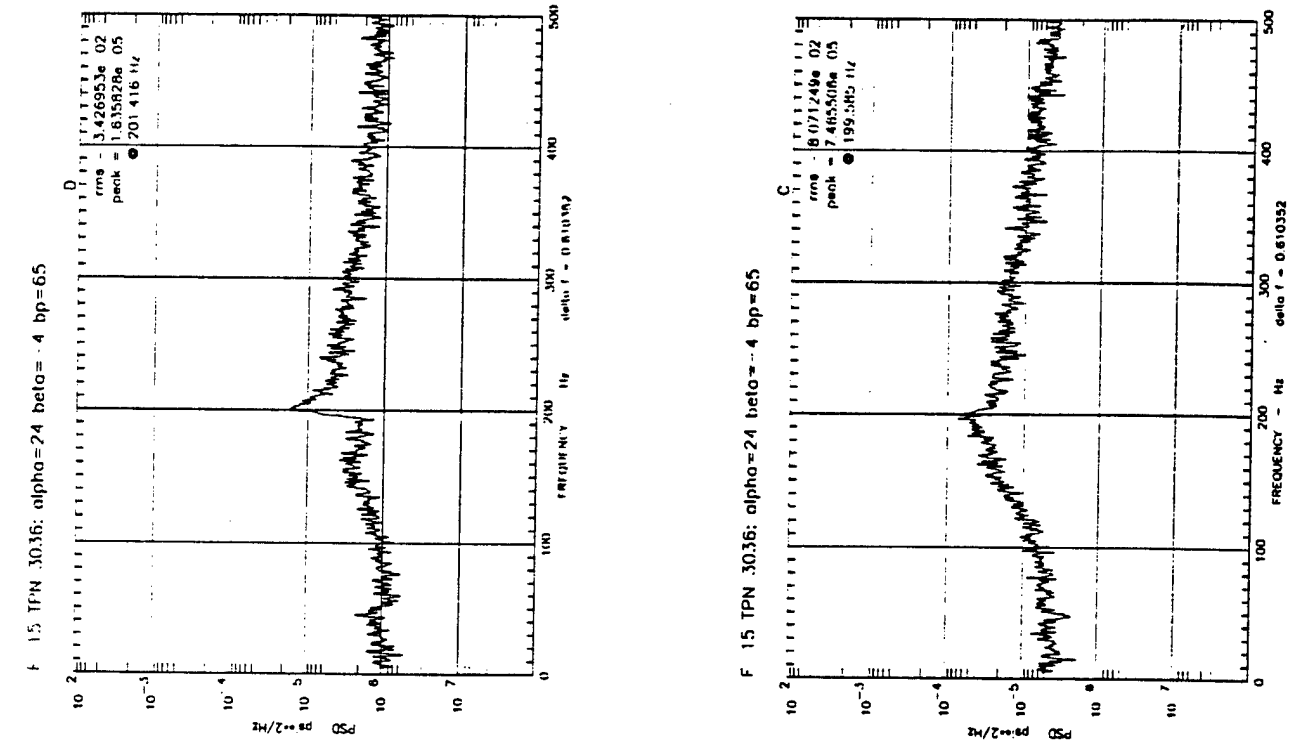


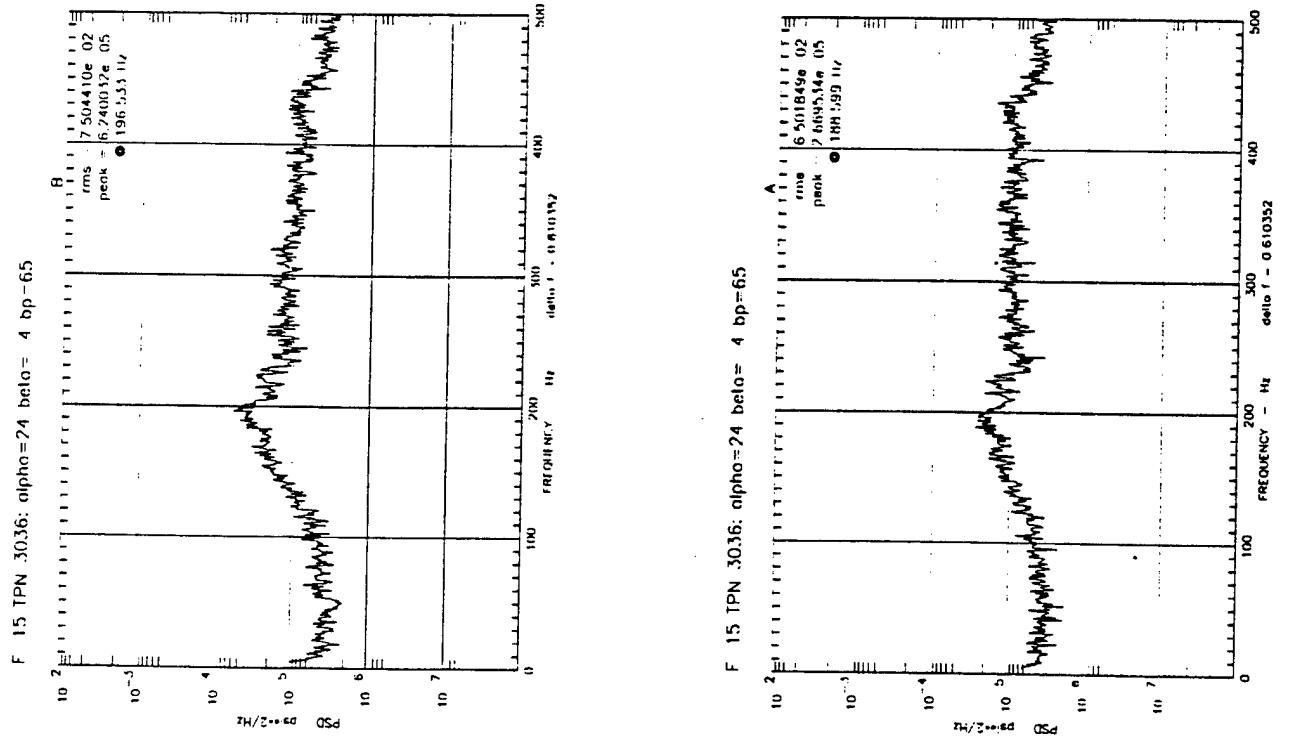
F 15 TPN 3034: alpha=20 beta= 4 bp=65



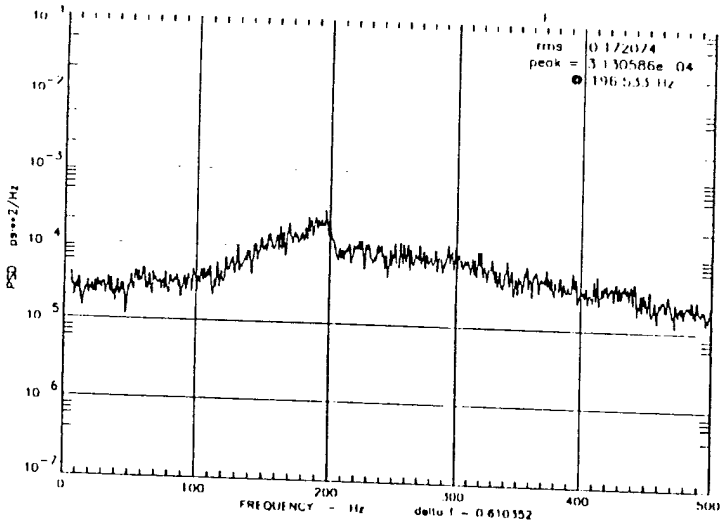
F 15 TPN 3034: alpha=20 beta= 4 bp=65



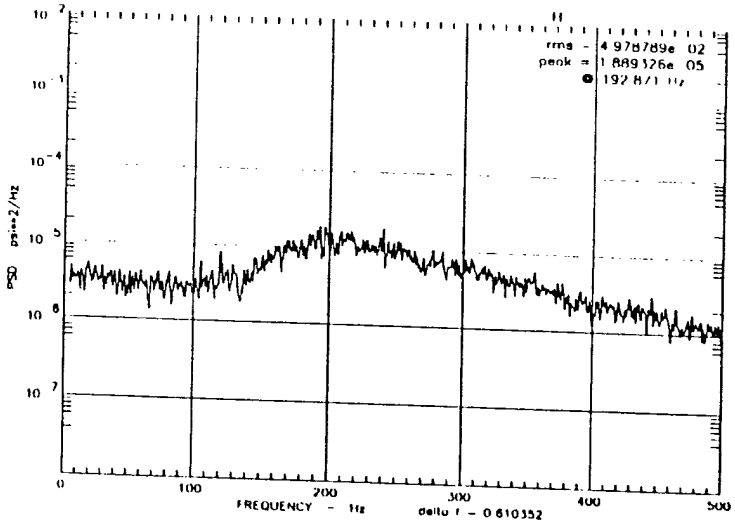

F 15 TPN .30.36: alpha=24 beta=-4 bp=65
D
rms = 3.426953e 02
peak = 1.835828e 05
@ 201.416 Hz
C
rms = 8.071249e 02
peak = 7.465508e 05
@ 199.585 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN .30.36: alpha=24 beta= 4 bp=65
B
rms = 7.504410e 02
peak = 6.240032e 05
@ 196.551 Hz
A
rms = 6.501849e 02
peak = 7.669514e 05
@ 188.599 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

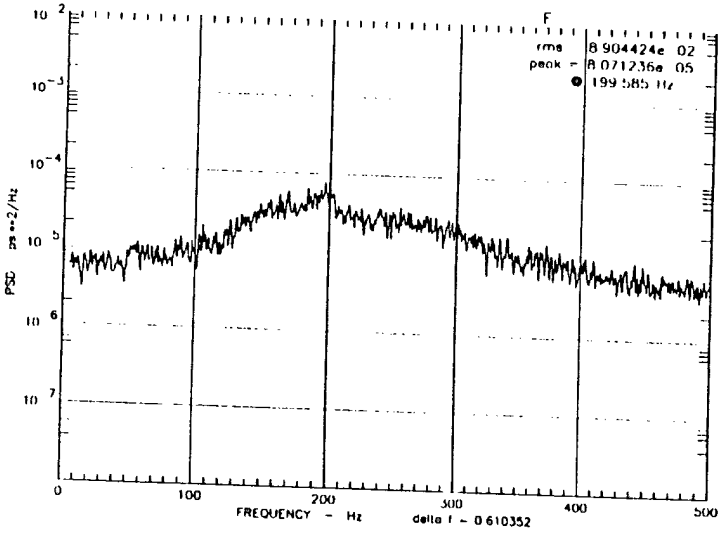
F 15 TPN 3036: alpha=24 beta= 4 bp=65



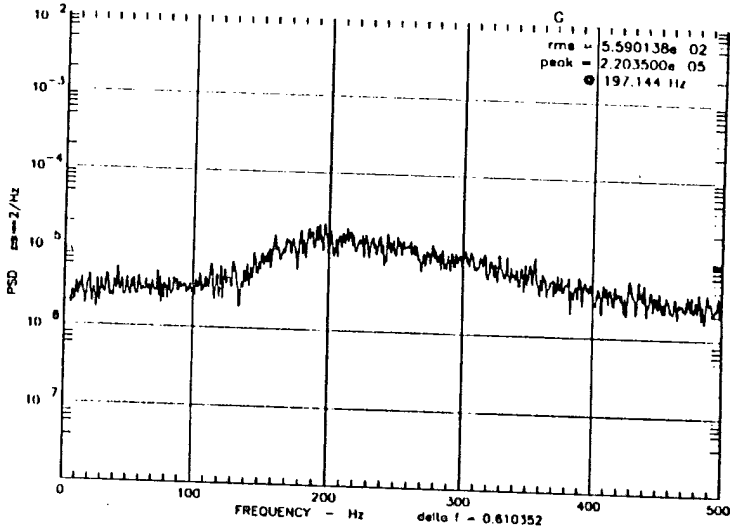
F 15 TPN 3036: alpha=24 beta= 4 bp=65



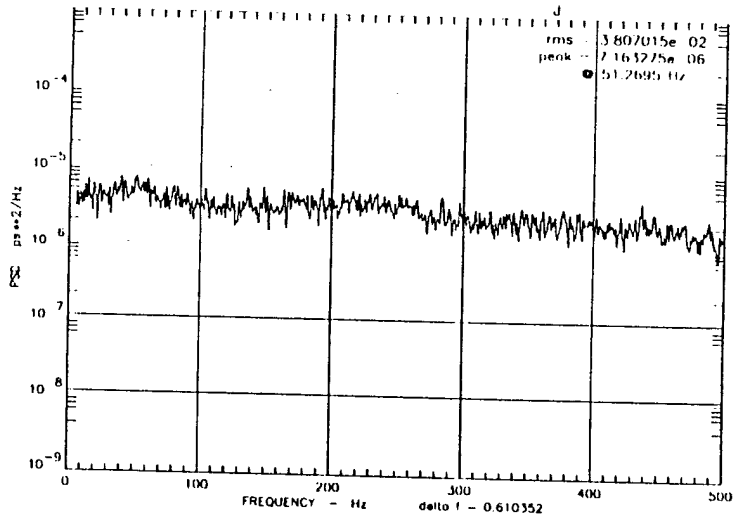
F 15 TPN 3036: alpha=24 beta= 4 bp=65



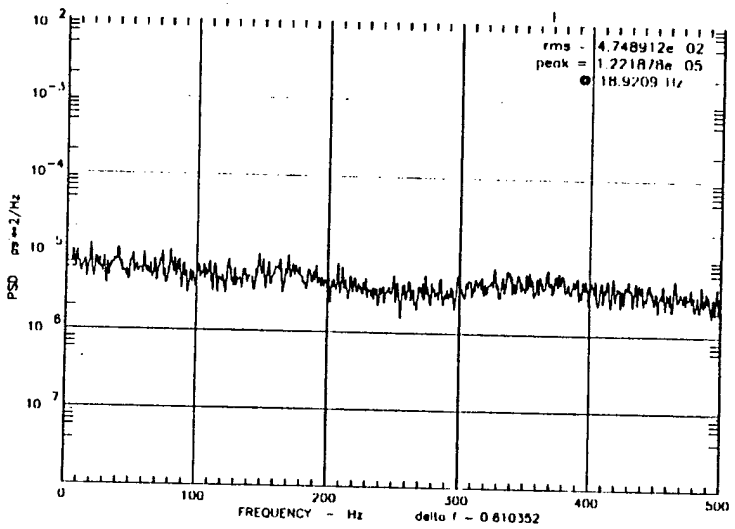
F 15 TPN 3036: alpha=24 beta= 4 bp=65



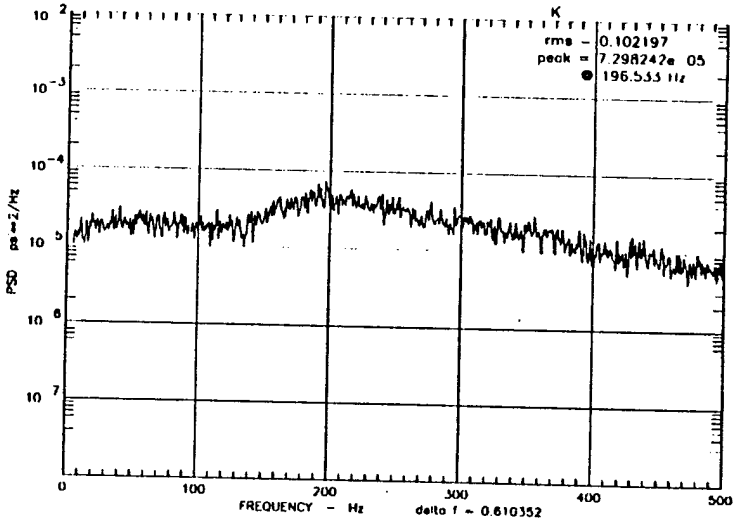
F 15 TPN 3036: alpha=24 beta= 4 bp=65

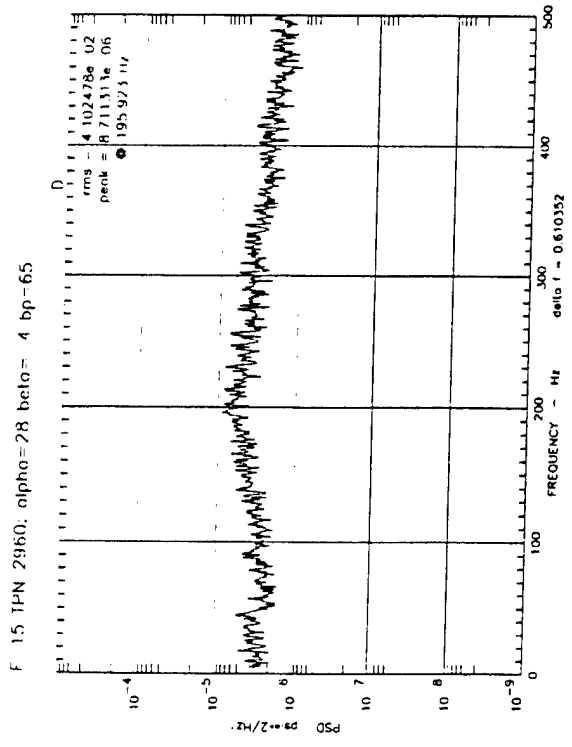


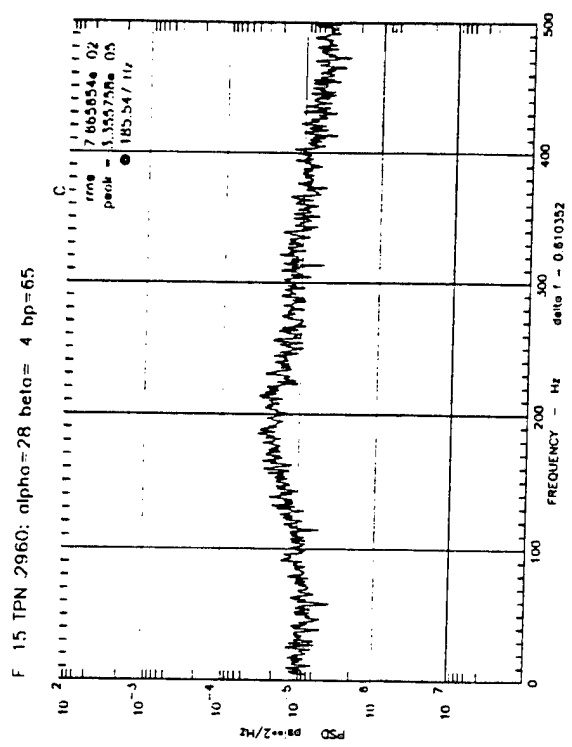
F 15 TPN 3036: alpha=24 beta= 4 bp=65

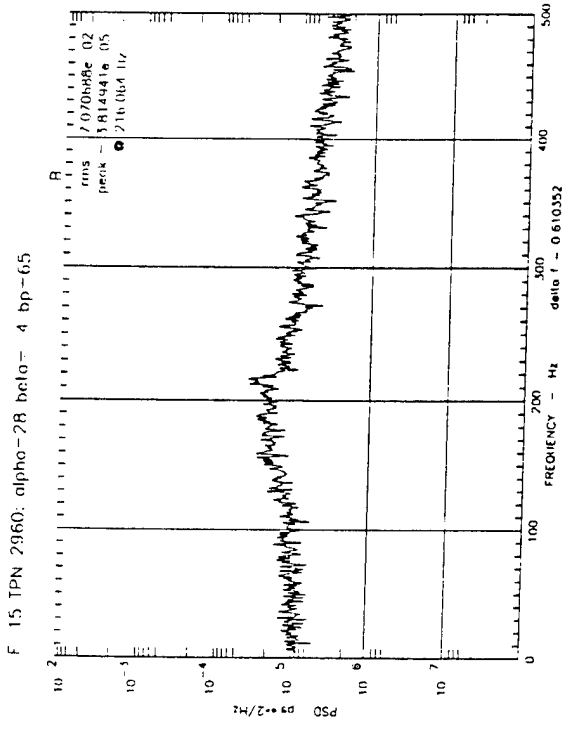


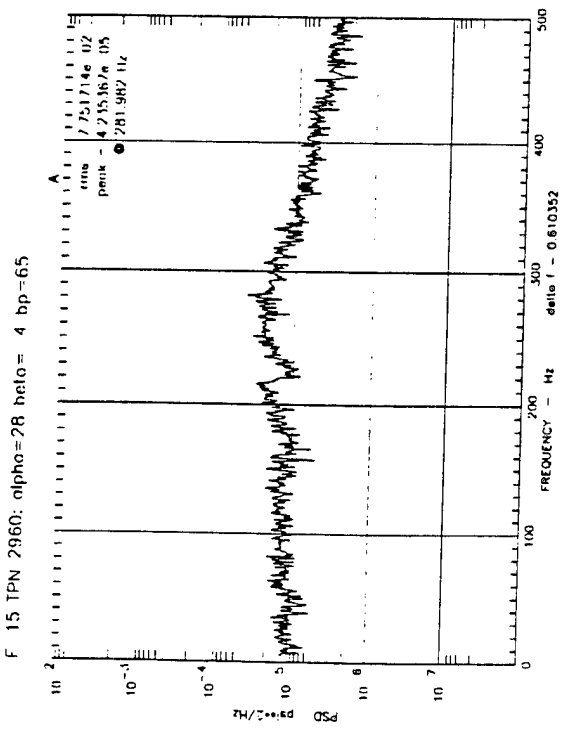
F 15 TPN 3036: alpha=24 beta=-4 bp=65

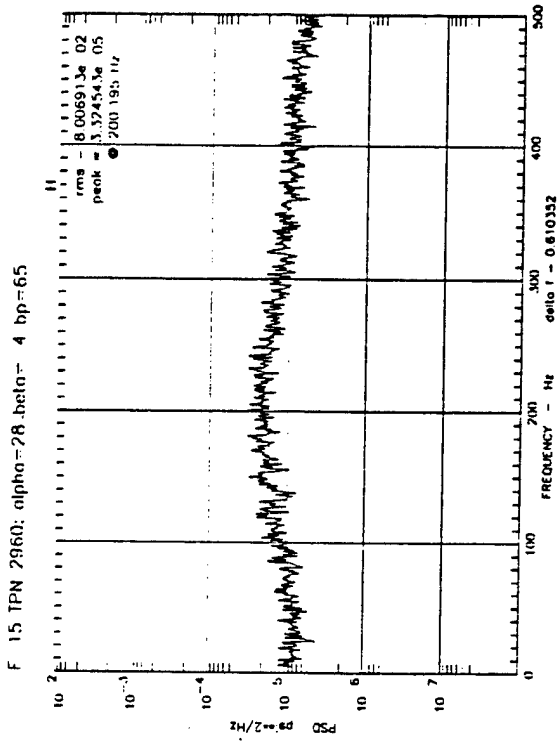


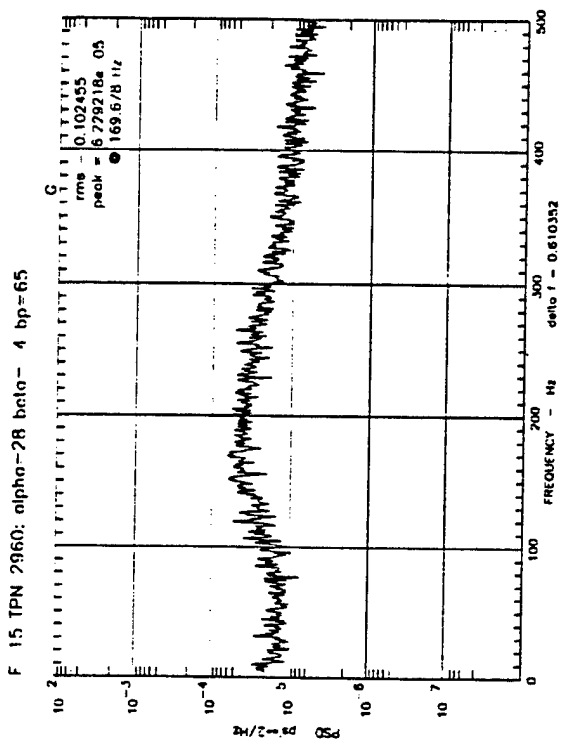

F 15 TPN 2960: alpha=28 beta= 4 bp=65
D
rms = 4.1024786e 02
peak = 8.711314e 06
@ 195.923 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

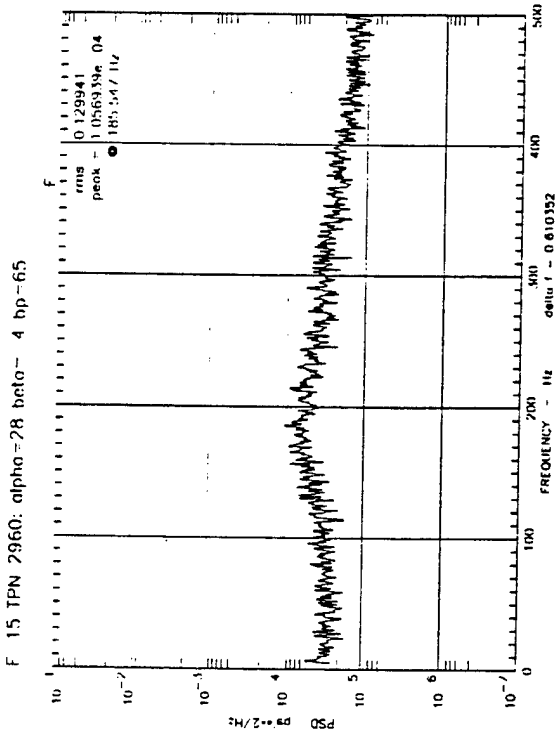

F 15 TPN 2960: alpha=28 beta= 4 bp=65
C
rms = 7.8658544e 02
peak = 5.3557586e 05
@ 183.54 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

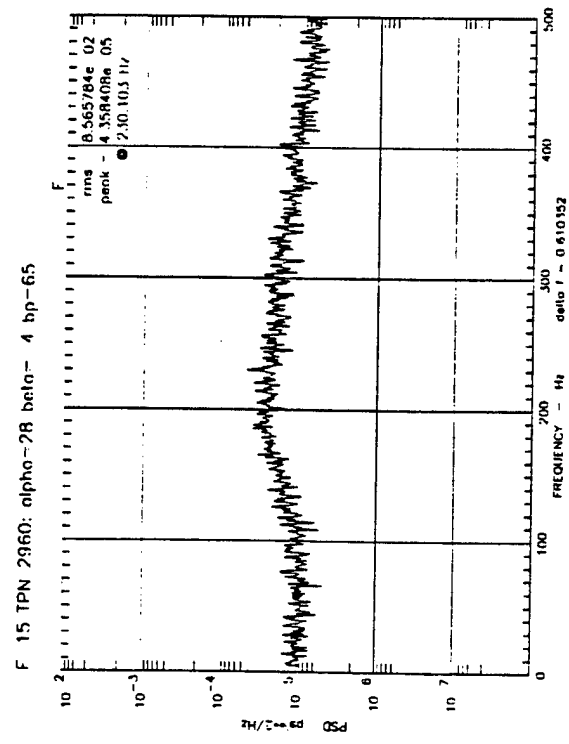

F 15 TPN 2960: alpha=28 beta= 4 bp=65
B
rms = 7.0708488e 02
peak = 5.8149441e 05
@ 210.084 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2960: alpha=28 beta= 4 bp=65
A
rms = 7.5217146e 02
peak = 4.2153616e 05
@ 281.982 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

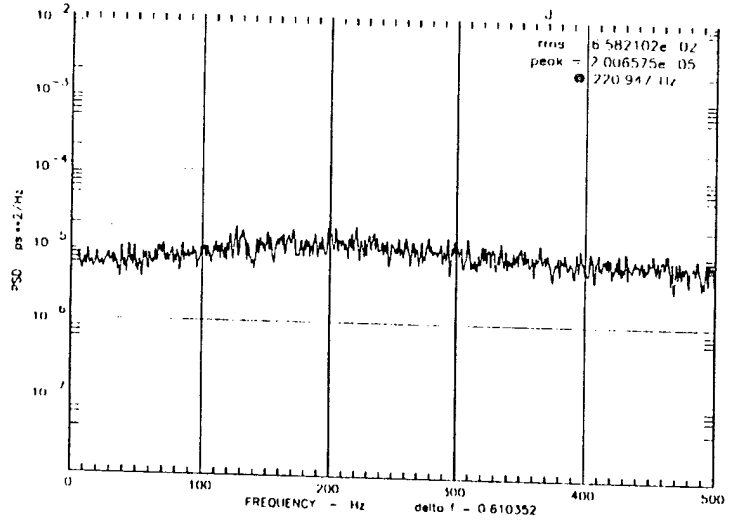

F 15 TPN 2960: alpha=28 beta= 4 bp=65
H
rms = 8.006913e 02
peak = 3.324543e 05
@ 200.195 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2960: alpha=28 beta= 4 bp=65
G
rms = 0.102455
peak = 6.779218e 05
@ 169.678 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

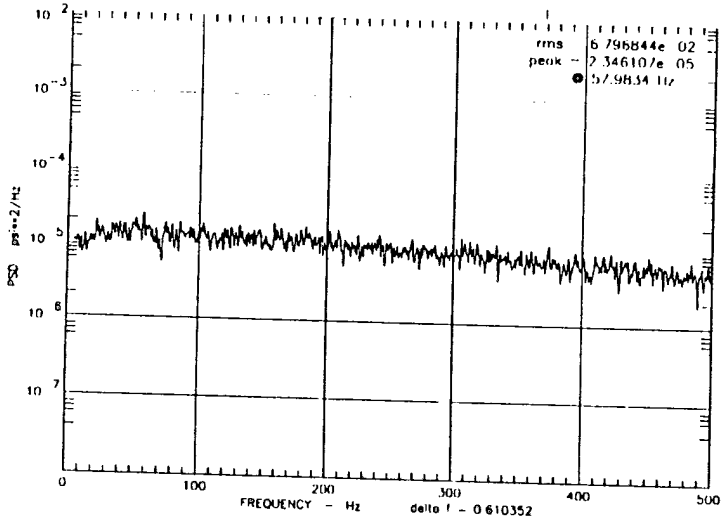

F 15 TPN 2960: alpha=28 beta= 4 bp=65
F
rms = 0.129941
peak = 1.056939e 04
@ 185.547 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN 2960: alpha=28 beta= 4 bp=65
F
rms = 8.565784e 02
peak = 4.358408e 05
@ 230.103 Hz
PSD pg**2/Hz
FREQUENCY - Hz
delta f = 0.610352

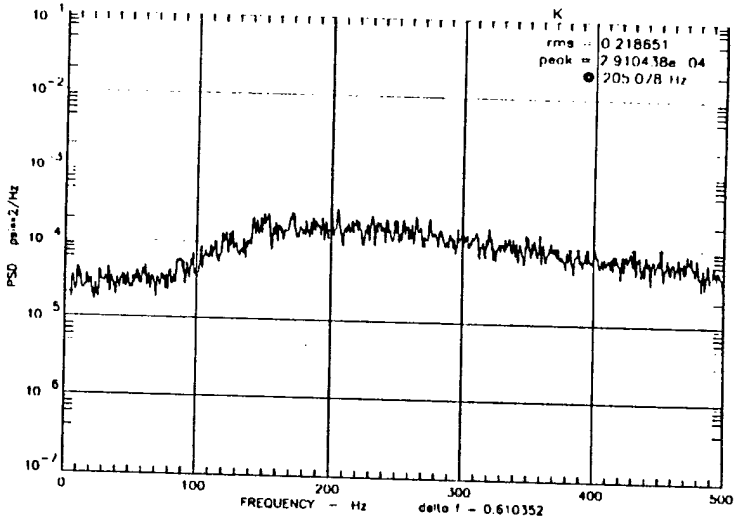
F 15 TPN 2960: alpha=28 beta= 4 bp=65



F 15 TPN 2960: alpha=28 beta= 4 bp=65



F 15 TPN 2960: alpha=28 beta= 4 bp=65

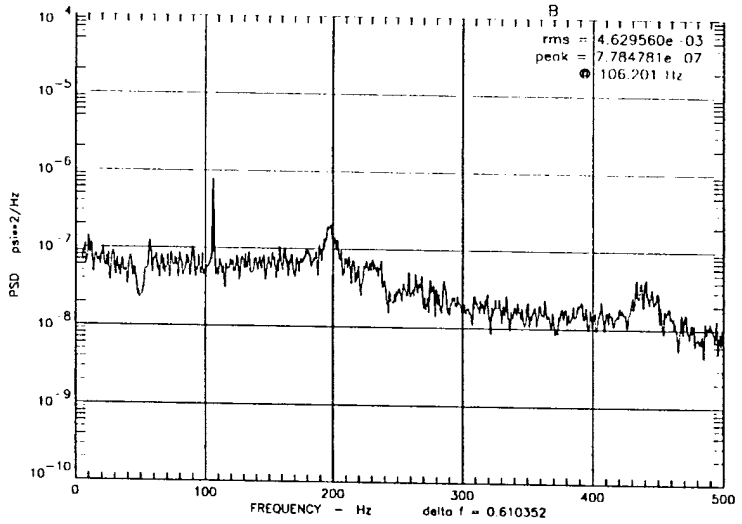


PRESSURE PSD's

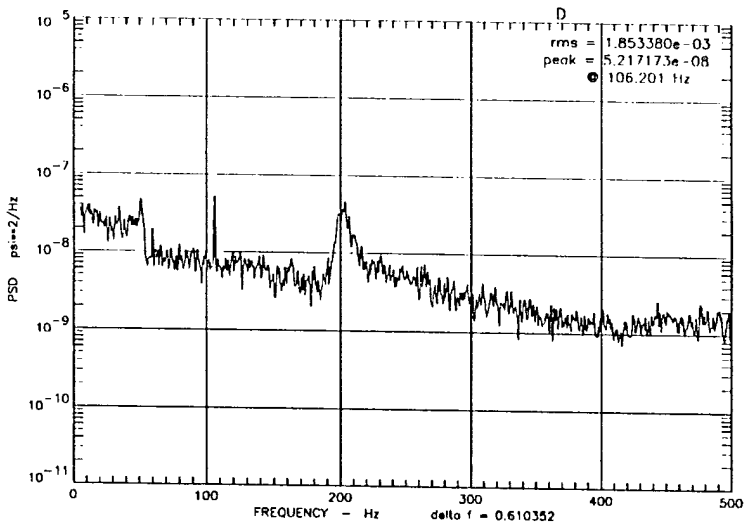
Q=56 PSF

2.1.2.2 PSD GRAPHS(5- 500 Hz), GBP = 65 PSI, Beta = 0, +4, -4 Deg, Alpha = 8...32 Deg

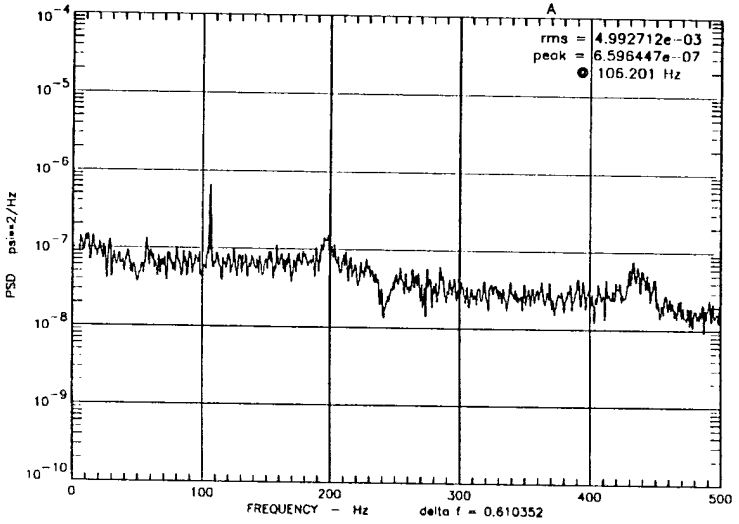
F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g



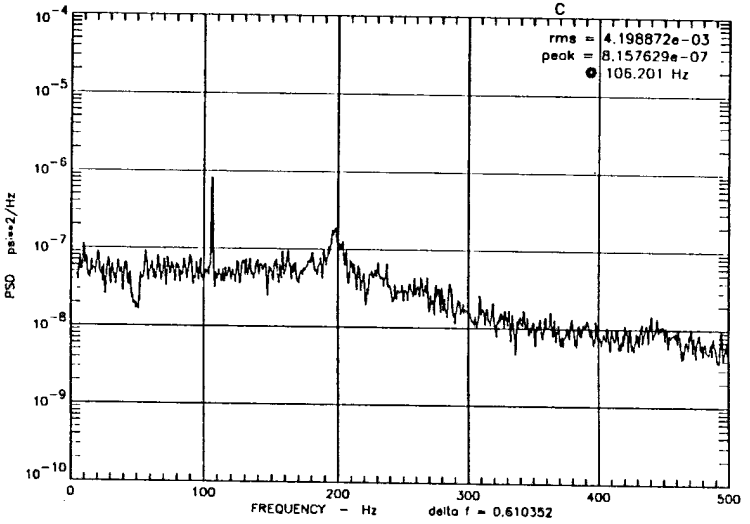
F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g



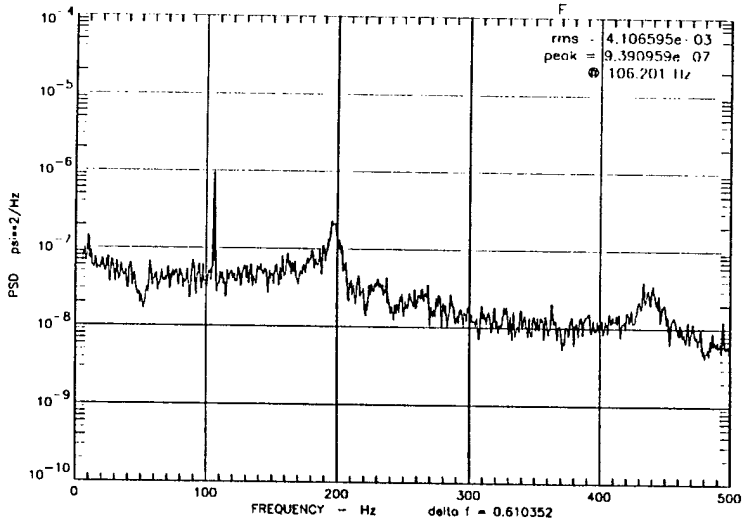
F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g



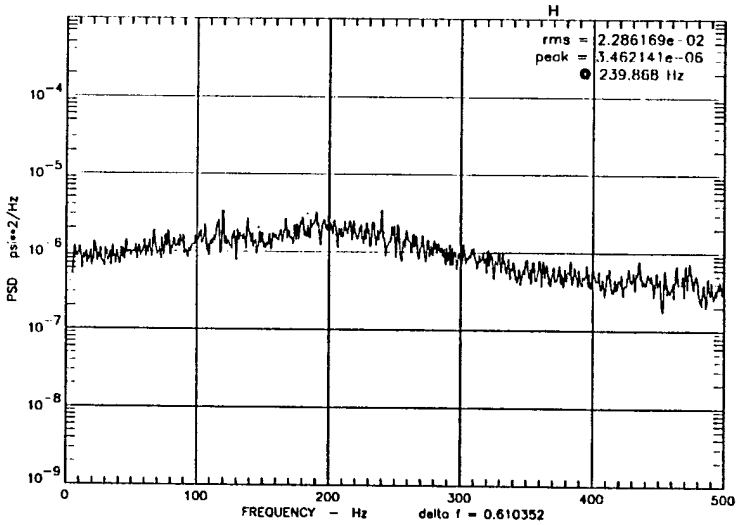
F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g



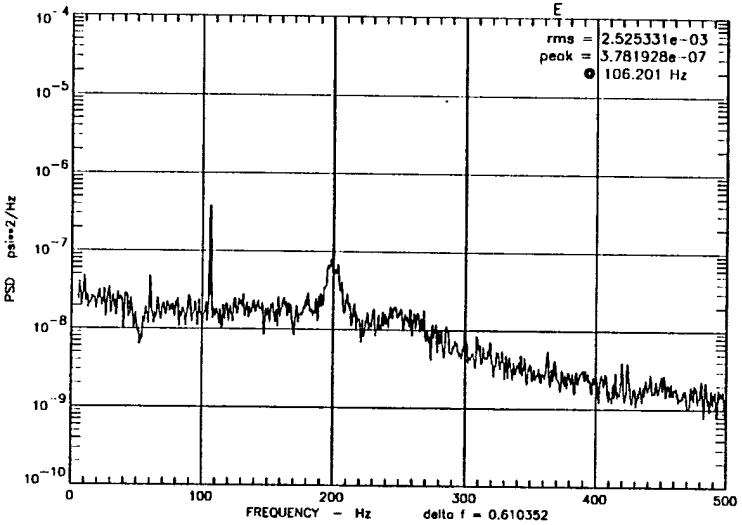
F 15 TPN 3004: q=56 alpha=16 beta=4 bp=65g



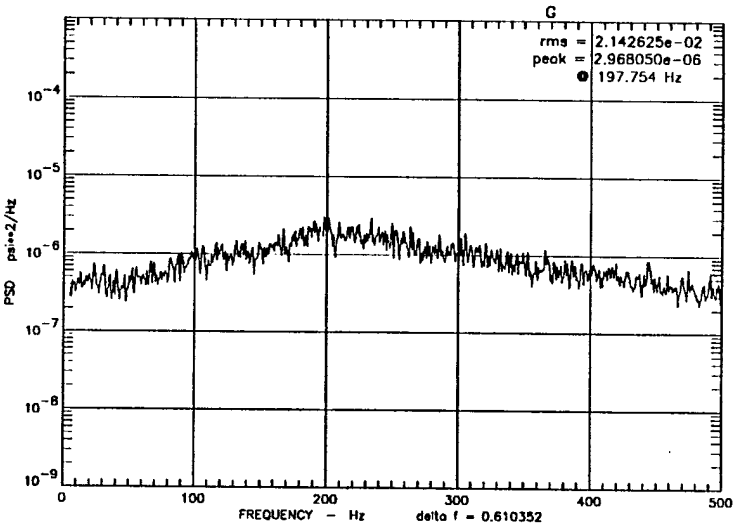
F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g

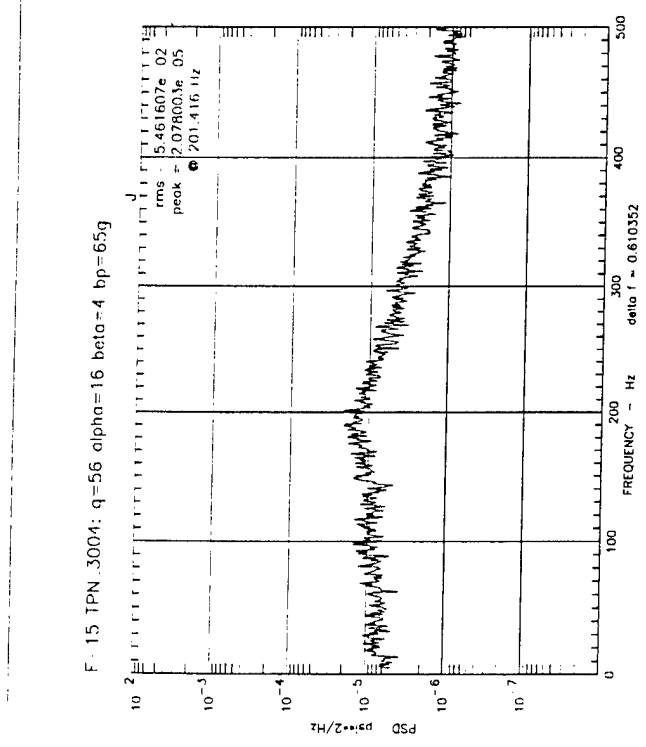


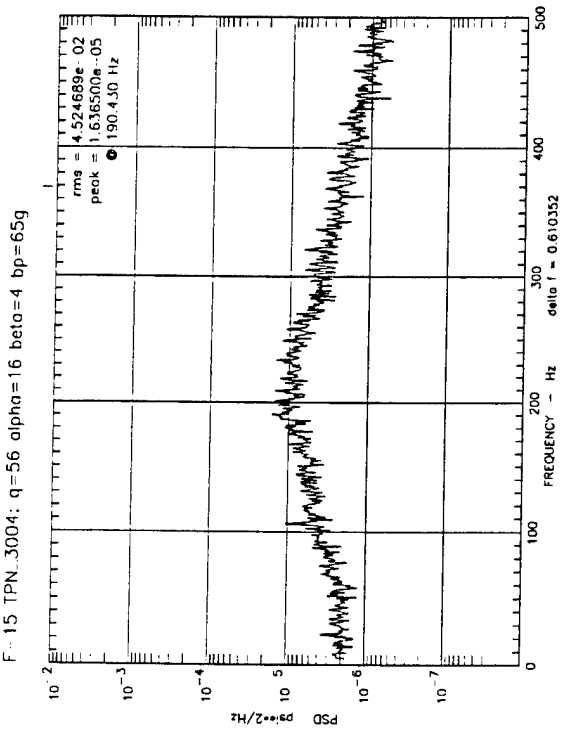
F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g

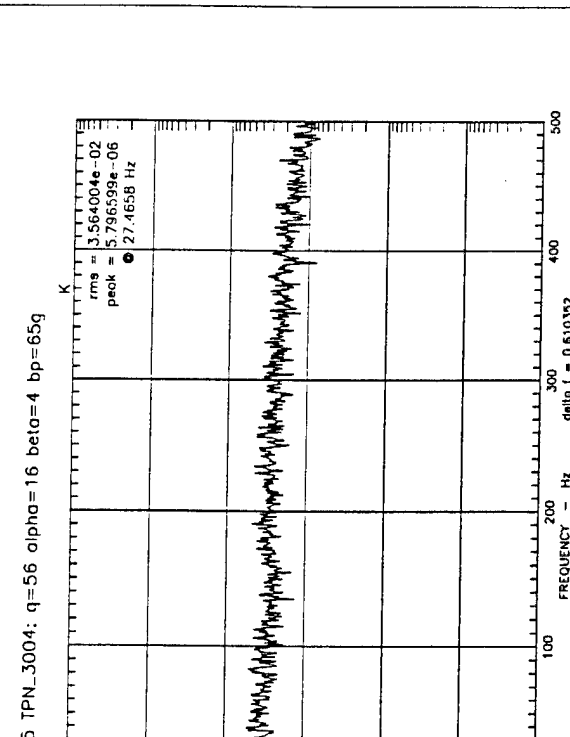


F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g

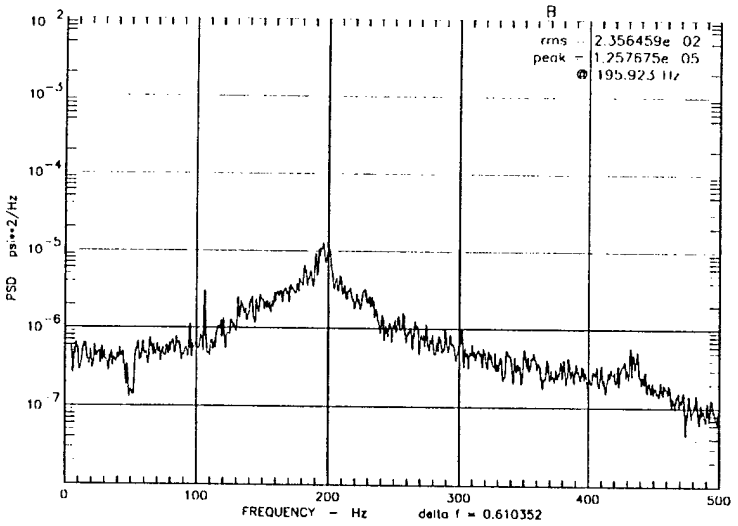



F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g
J
rms = 5.461607e-02
peak = 2.078003e-05
@ 201.416 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352

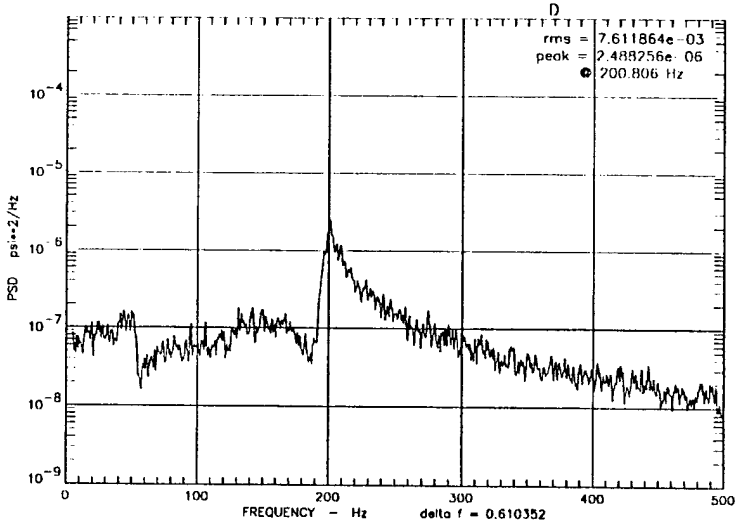

F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g
I
rms = 4.524689e-02
peak = 1.636500e-05
@ 190.430 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3004: q=56 alpha=16 beta=4 bp=65g
K
rms = 3.564004e-02
peak = 5.796599e-06
@ 27.4658 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352

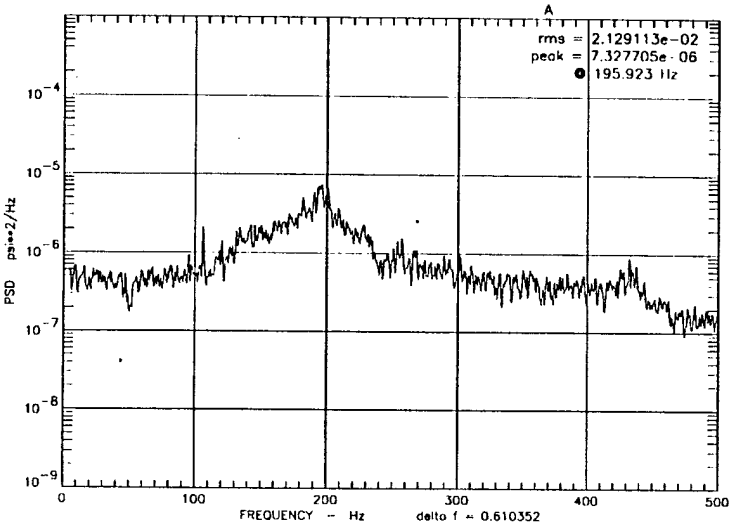
F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g



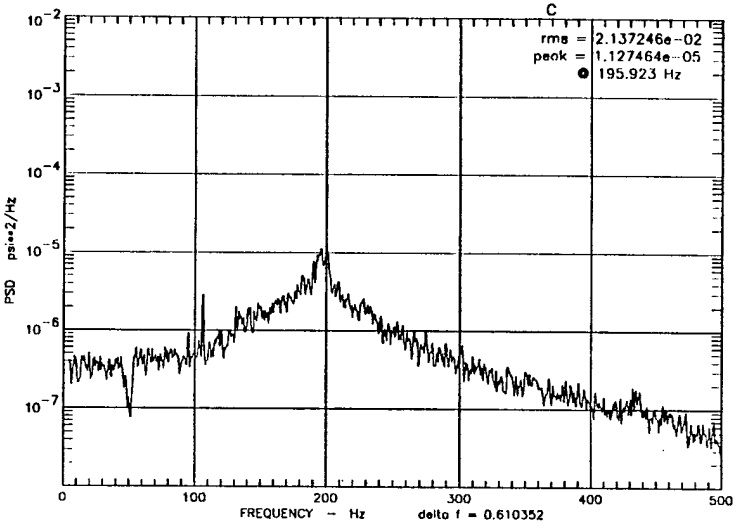
F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g

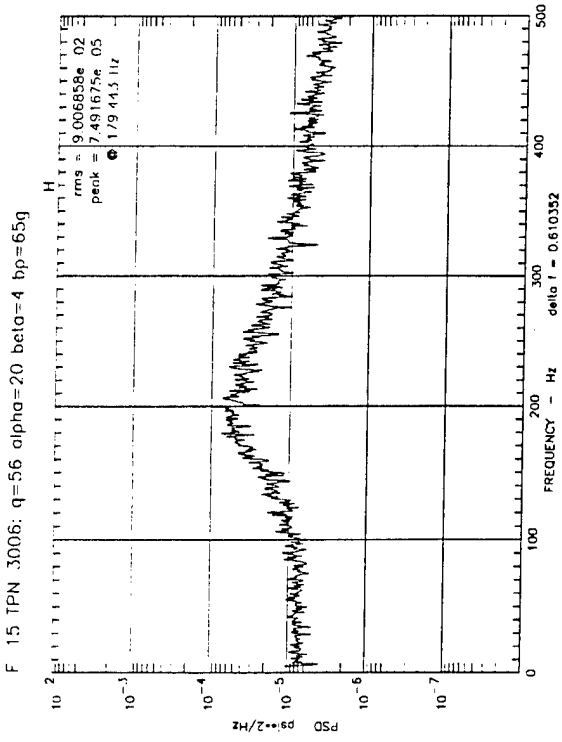


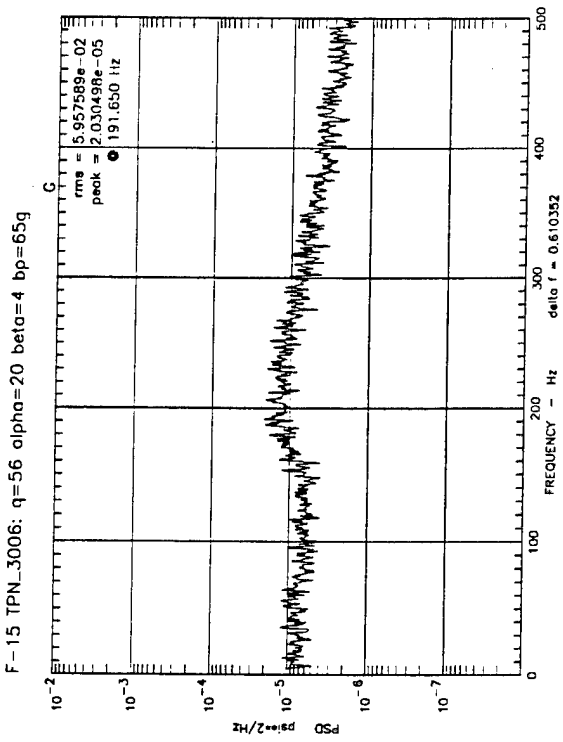
F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g

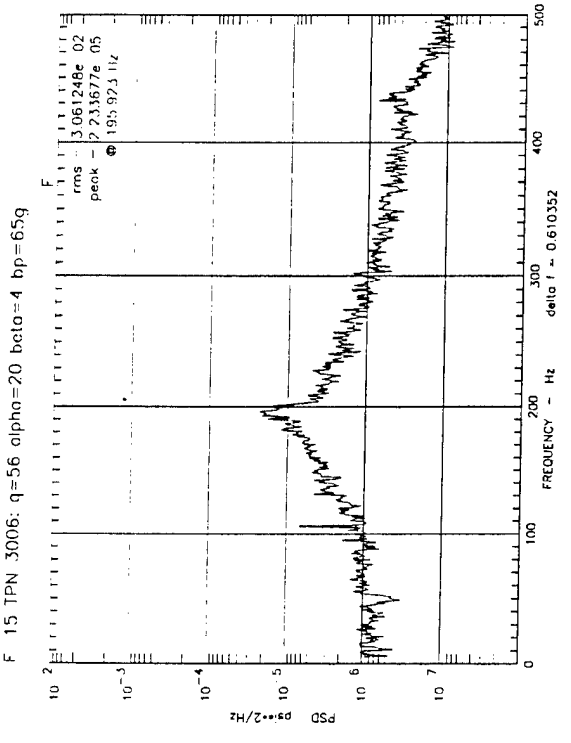


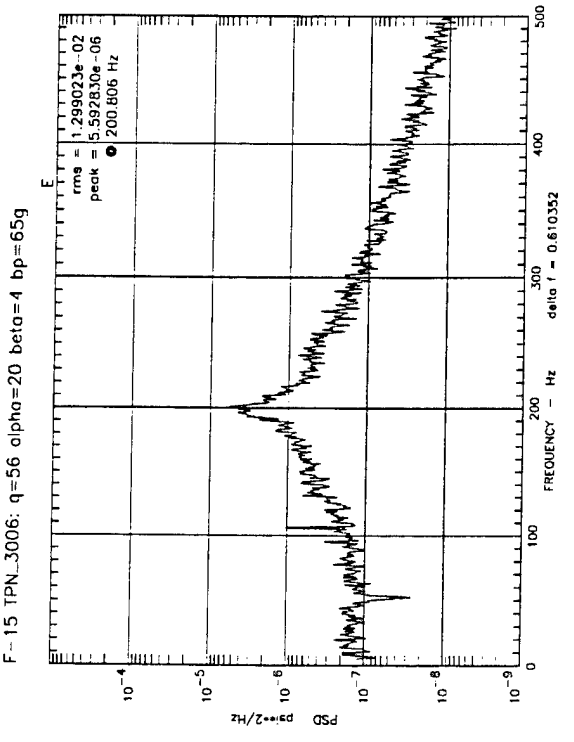
F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g



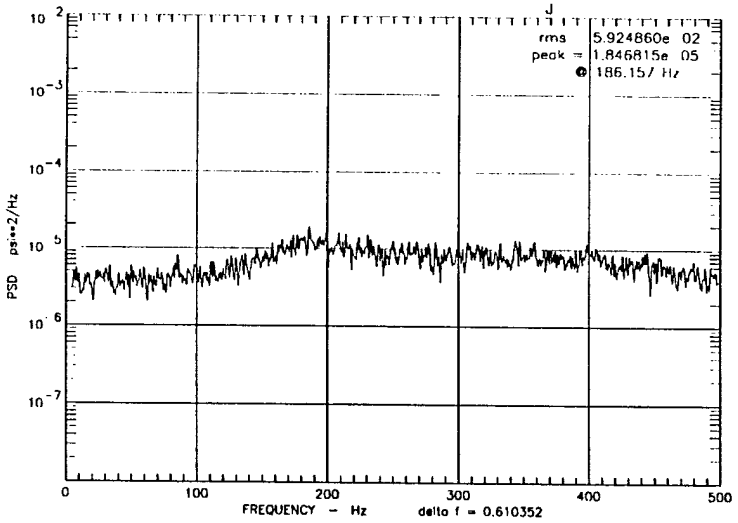

F 15 TPN 3006: q=56 alpha=20 beta=4 bp=65g
H
rms = 9.006858e 02
peak = 7.491675e 05
@ 179.443 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g
G
rms = 5.957589e-02
peak = 2.03049Be-05
@ 191.650 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

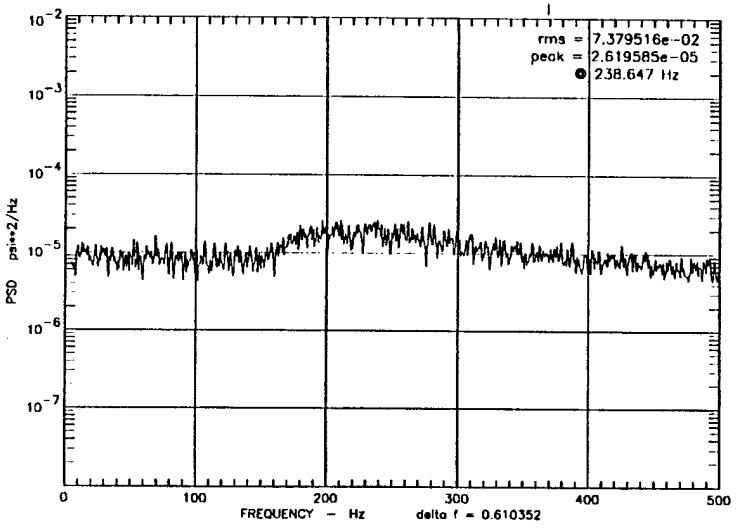

F 15 TPN 3006: q=56 alpha=20 beta=4 bp=65g
F
rms = 3.061248e 02
peak = 2.733677e 05
@ 195.923 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g
E
rms = 1.299023e-02
peak = 5.592830e-06
@ 200.806 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

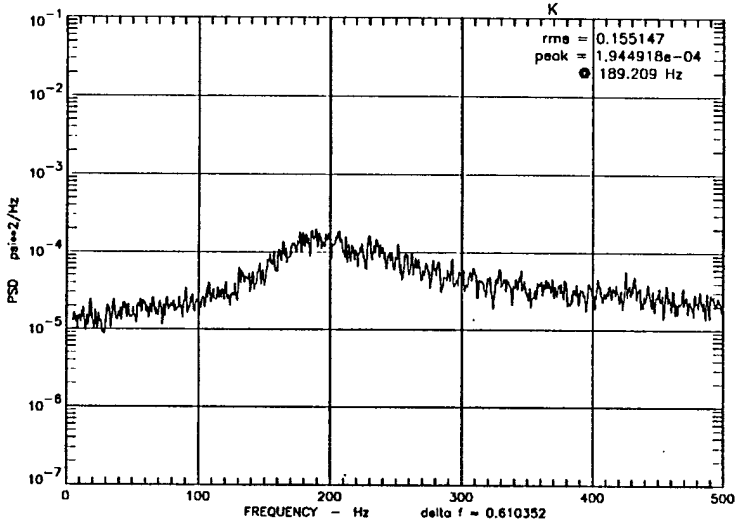
F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g



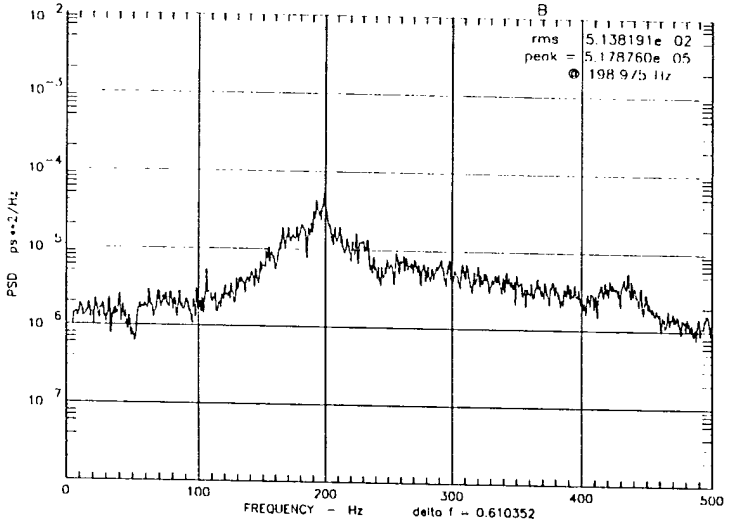
F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g



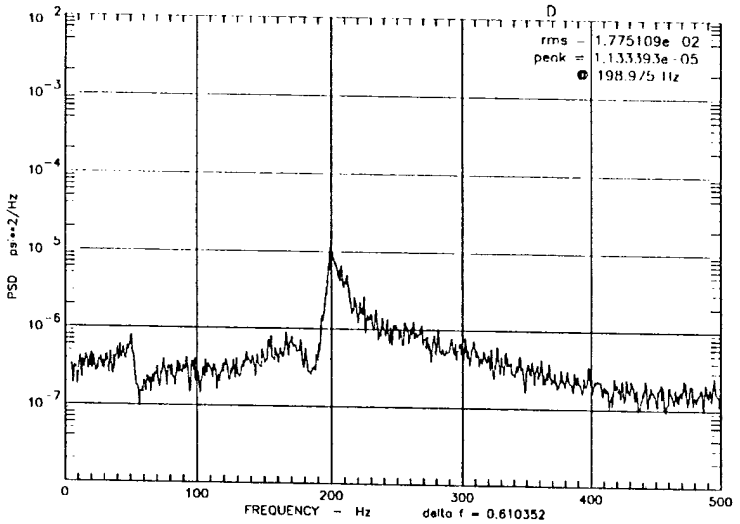
F-15 TPN_3006: q=56 alpha=20 beta=4 bp=65g



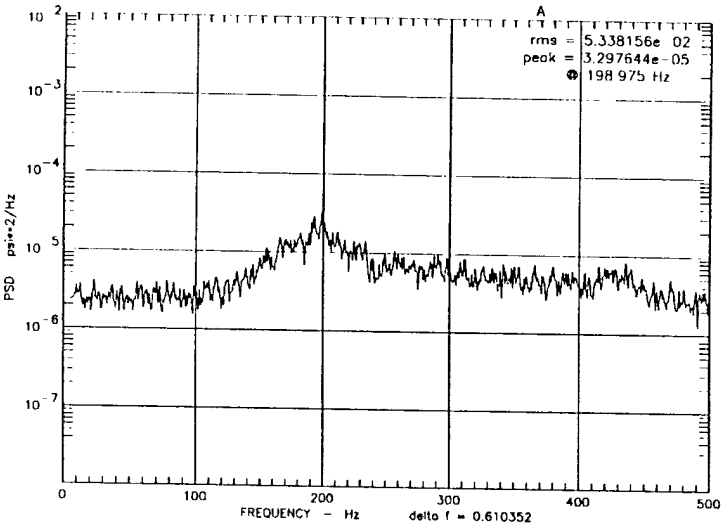
F 15 TPN..3008: q=56 alpha=24 beta=4 bp=65g



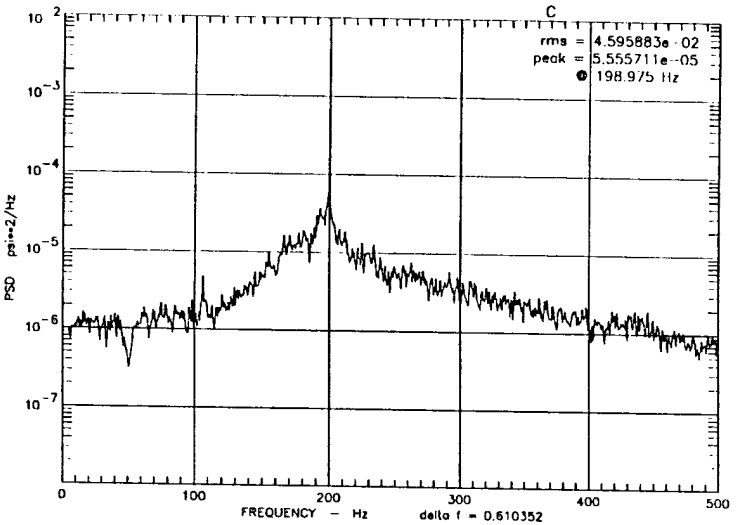
F 15 TPN..3008: q=56 alpha=24 beta=4 bp=65g



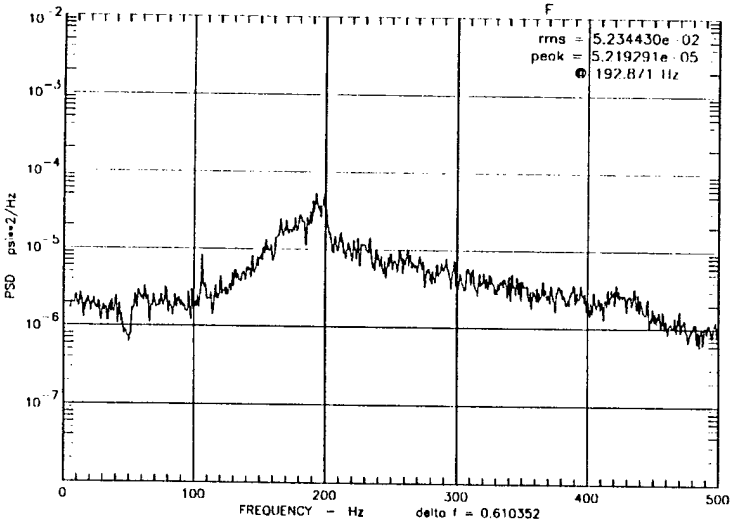
F 15 TPN..3008: q=56 alpha=24 beta=4 bp=65g



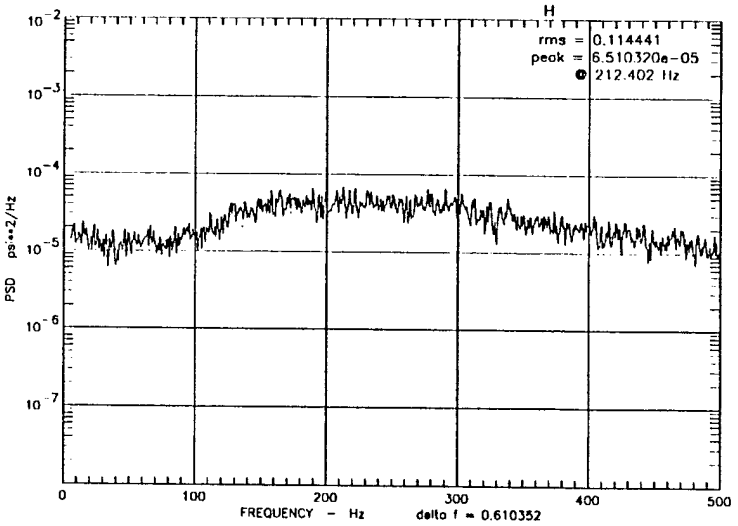
F 15 TPN..3008: q=56 alpha=24 beta=4 bp=65g



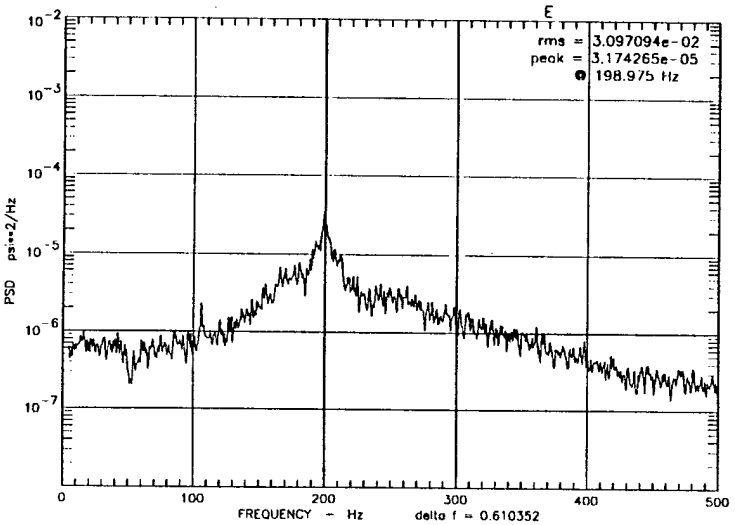
F-15 TPN_3008: q=56 alpha=24 beta=4 bp=65g



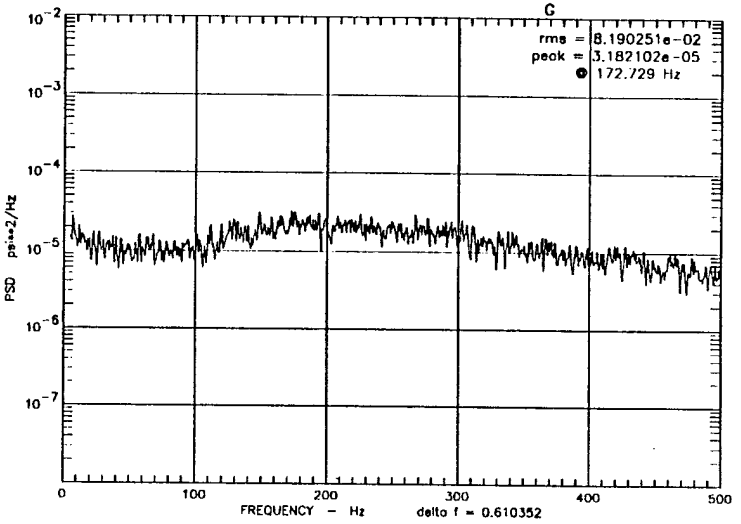
F-15 TPN_3008: q=56 alpha=24 beta=4 bp=65g



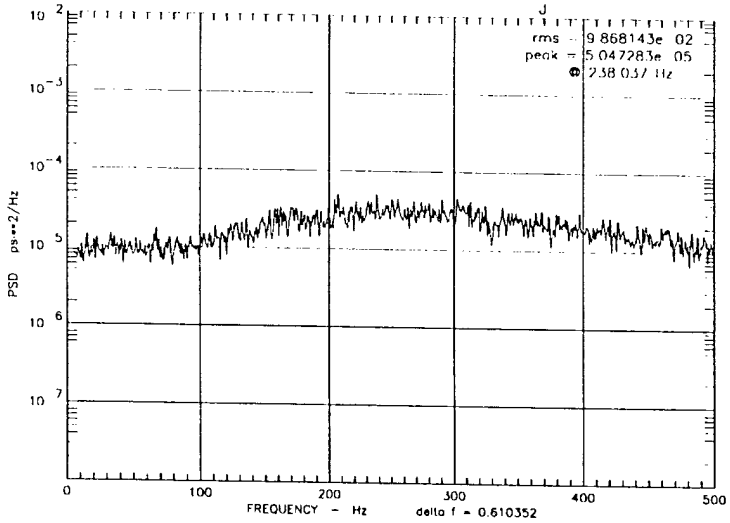
F-15 TPN_3008: q=56 alpha=24 beta=4 bp=65g



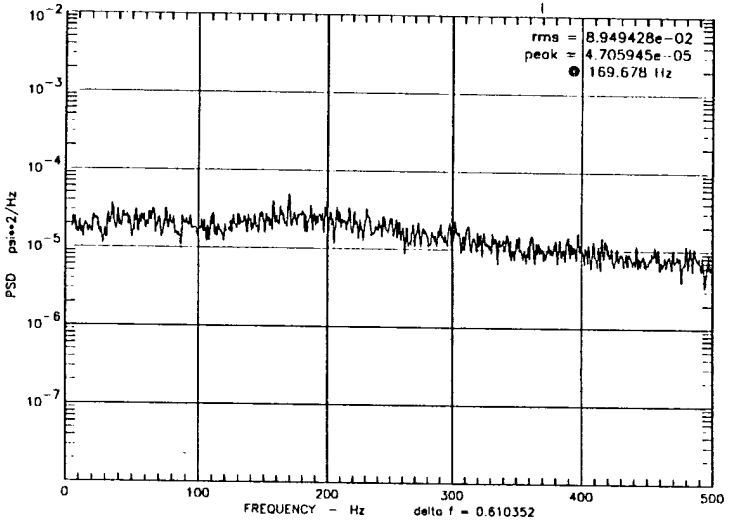
F-15 TPN_3008: q=56 alpha=24 beta=4 bp=65g



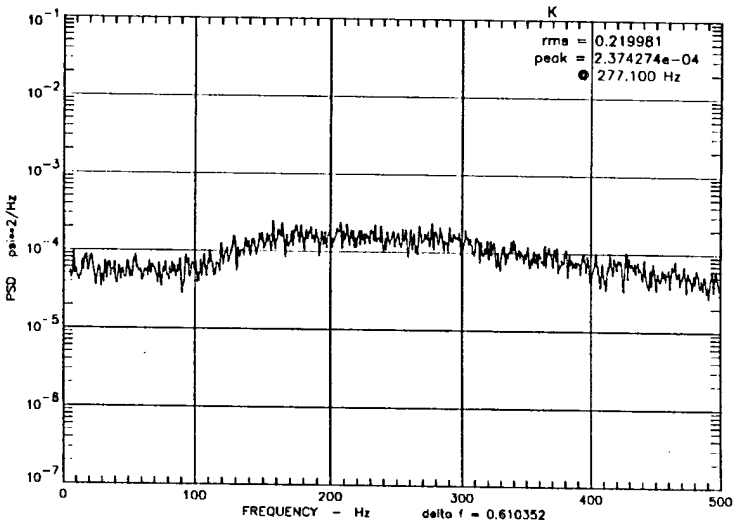
F-15 TPN_3008: q=56 alpha=24 beta=4 bp=65g



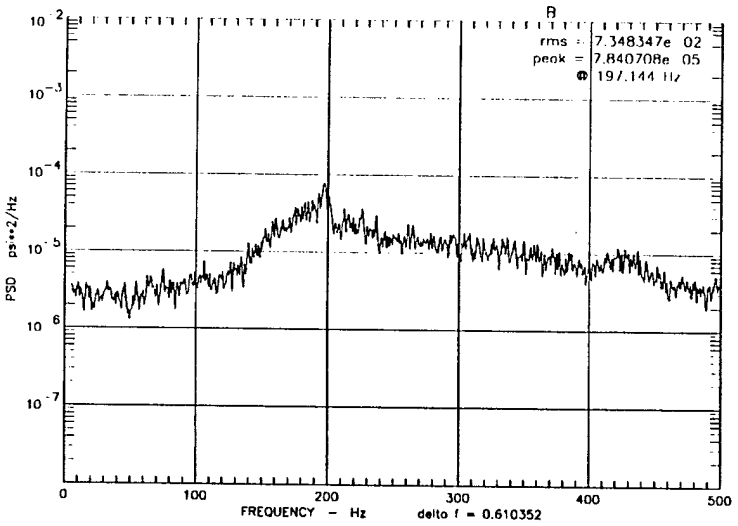
F-15 TPN_3008: q=56 alpha=24 beta=4 bp=65g



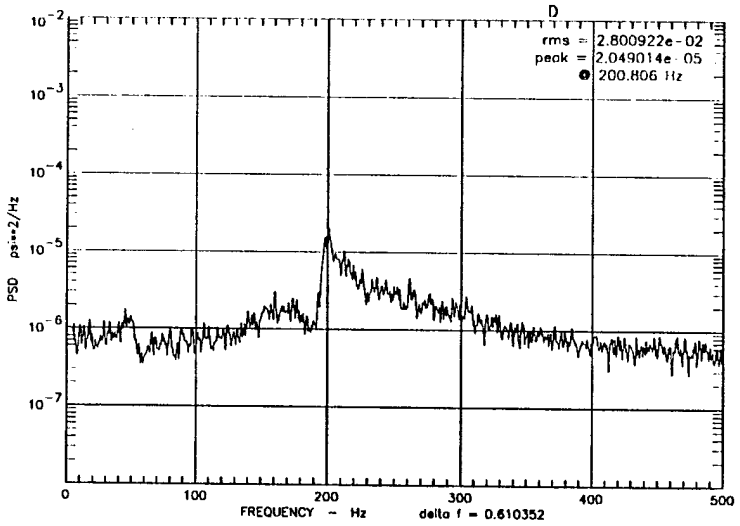
F-15 TPN_3008: q=56 alpha=24 beta=4 bp=65g



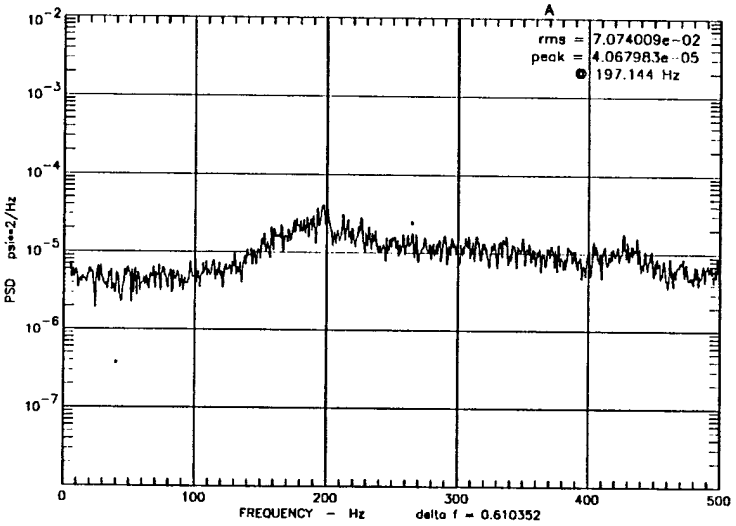
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



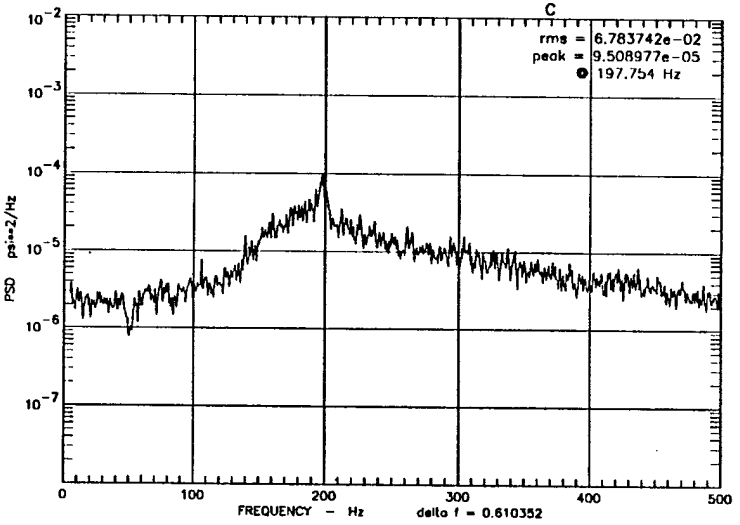
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



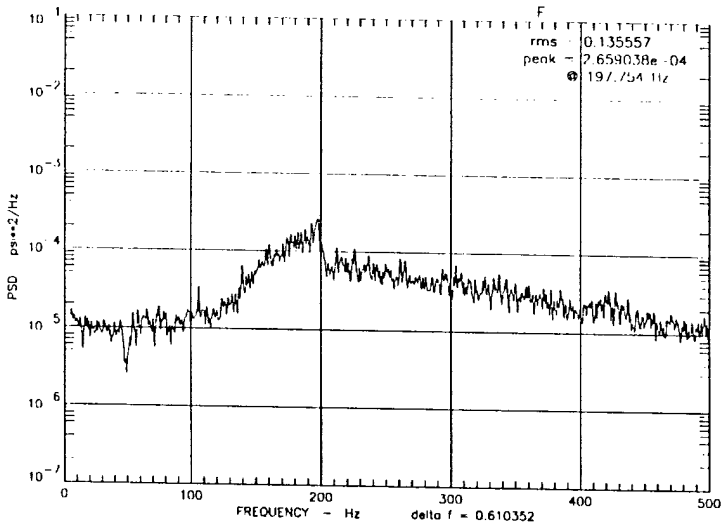
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



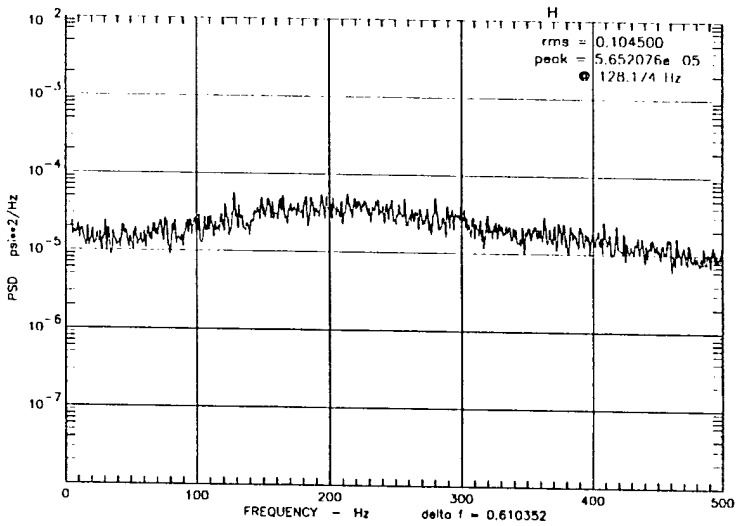
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



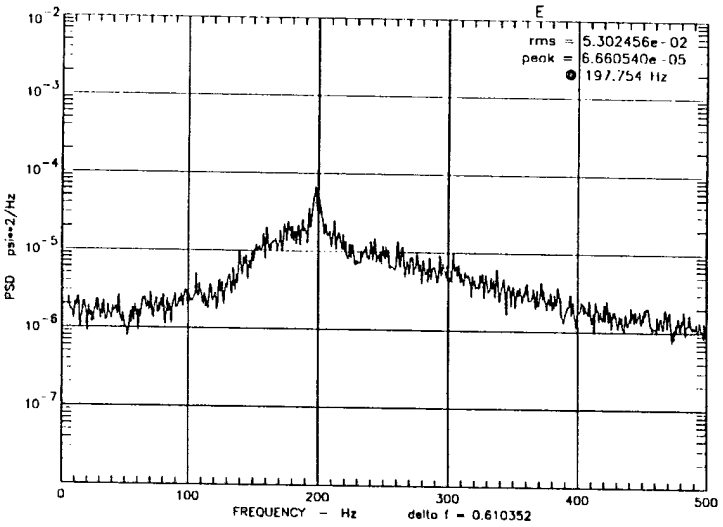
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



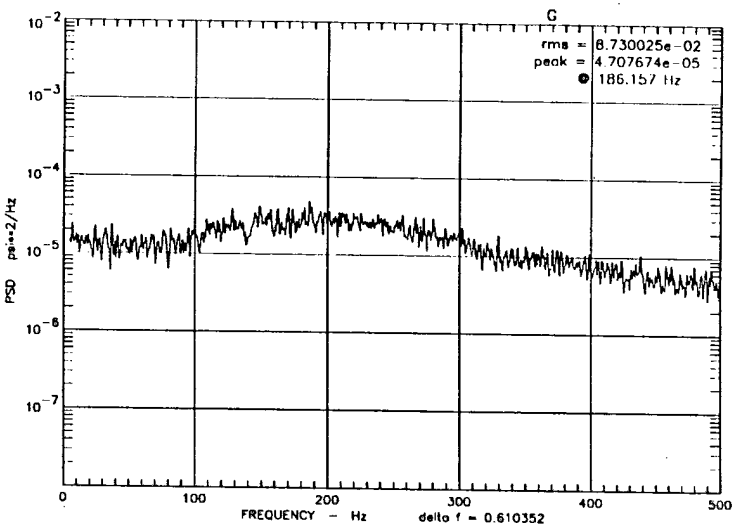
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



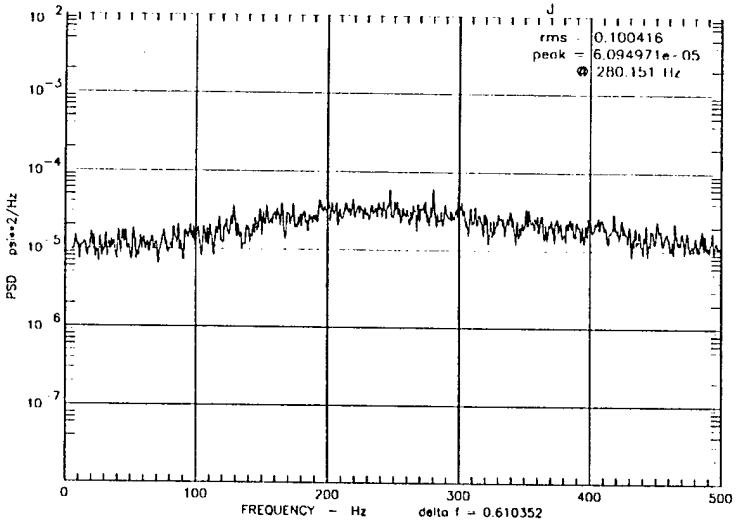
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



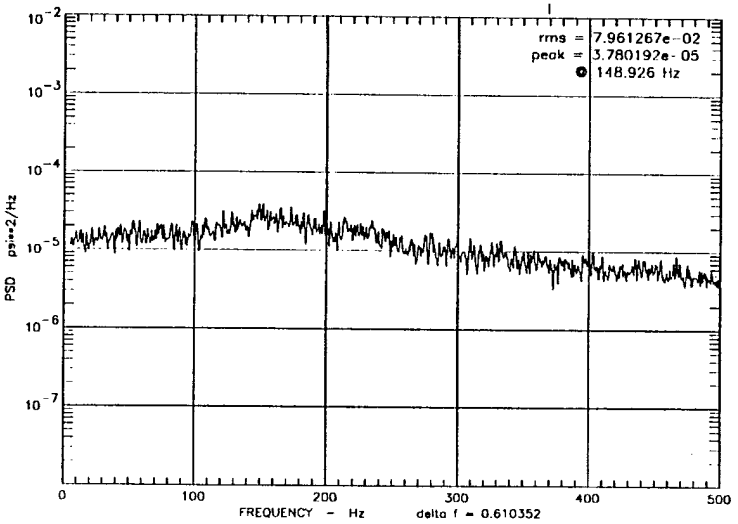
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



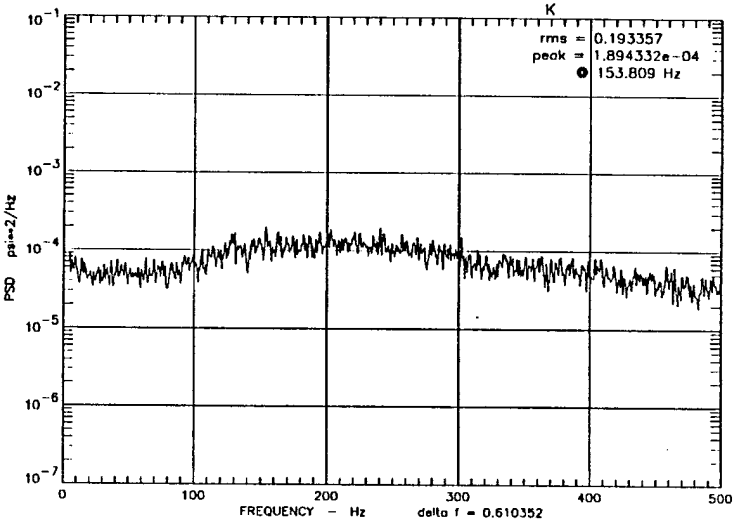
F 15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



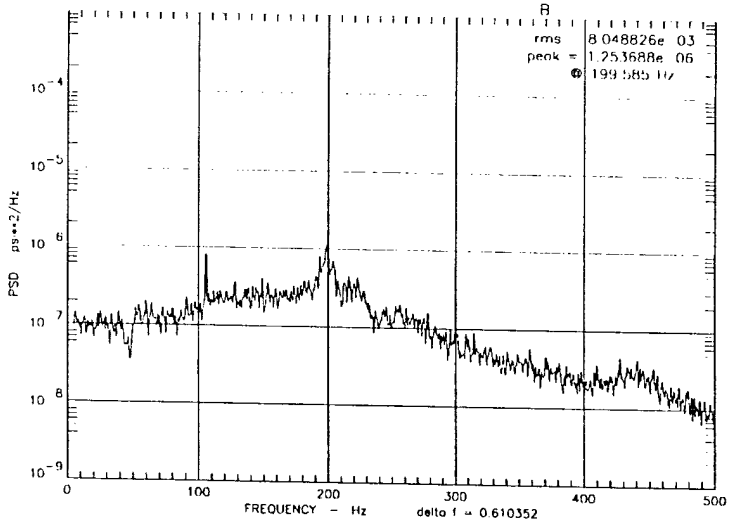
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



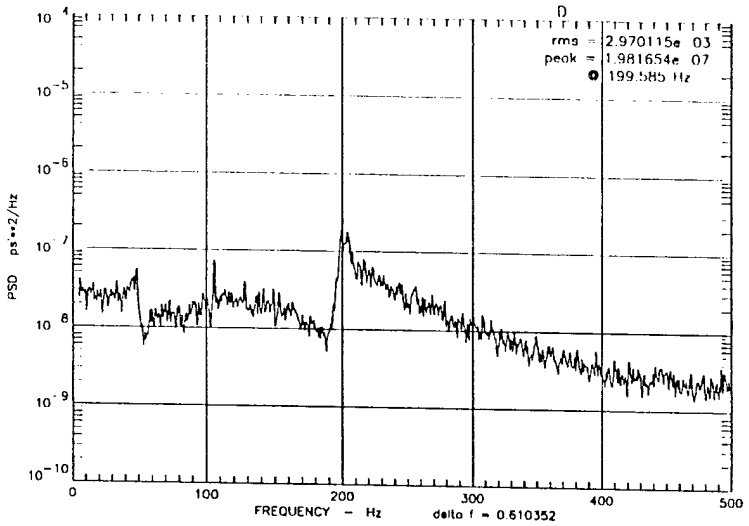
F-15 TPN_3009: q=56 alpha=26 beta=4 bp=65g



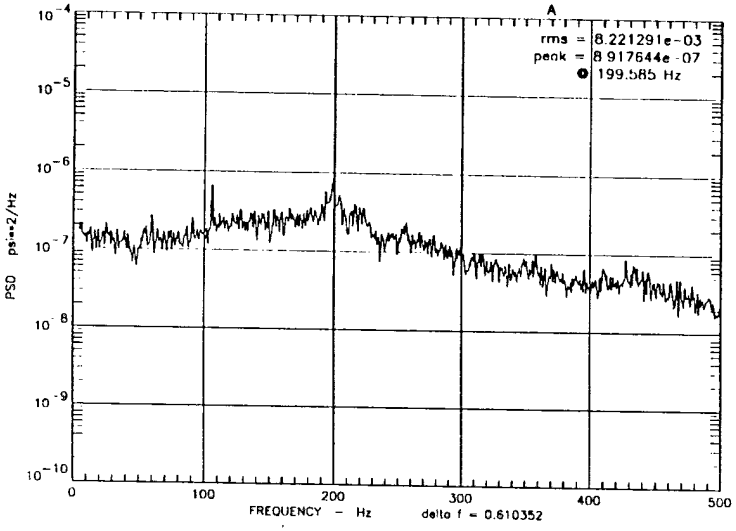
F 15 TPN 2998: q=56 alpha=16 beta=0 bp=65g



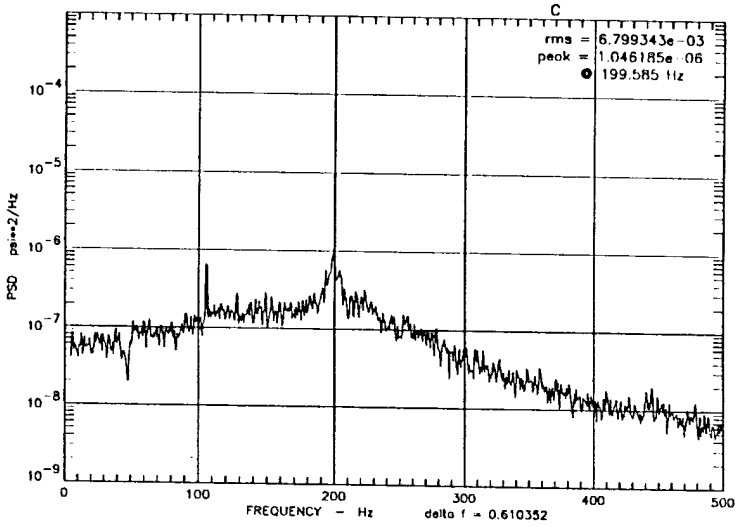
F 15 TPN 2998: q=56 alpha=16 beta=0 bp=65g



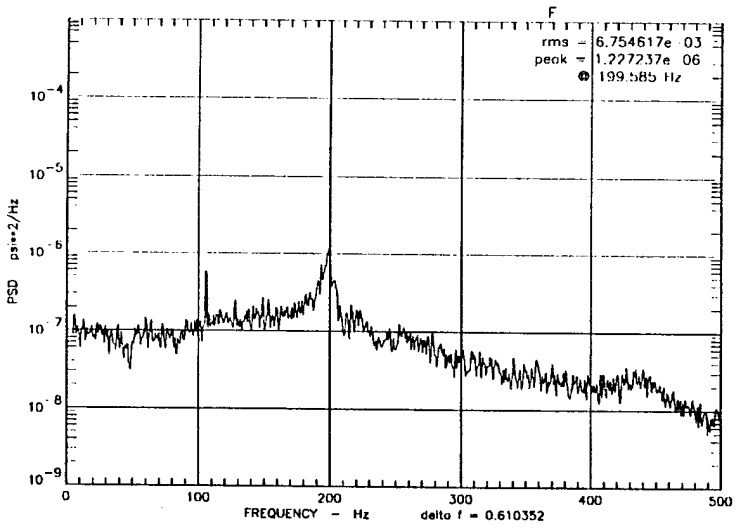
F 15 TPN 2998: q=56 alpha=16 beta=0 bp=65g



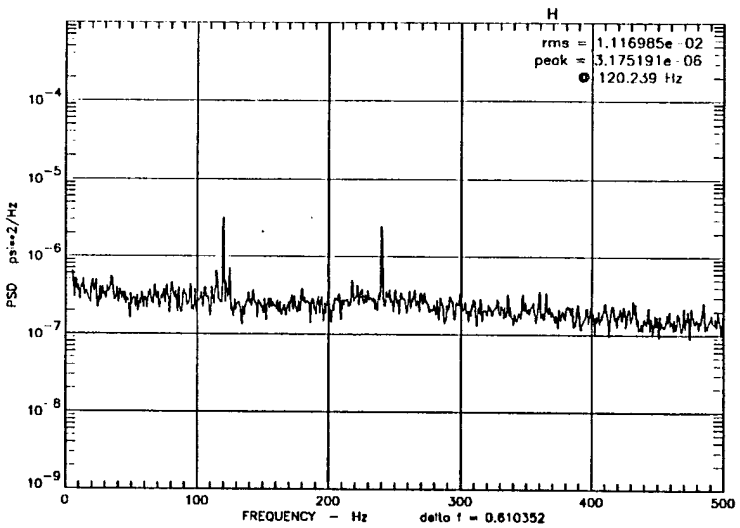
F-15 TPN 2998: q=56 alpha=16 beta=0 bp=65g



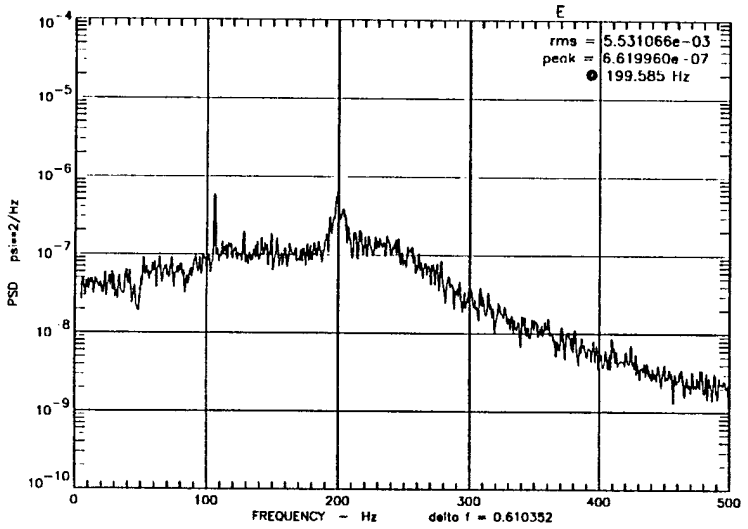
F 15 TPN 2998: q=56 alpha=16 beta=0 bp=65g



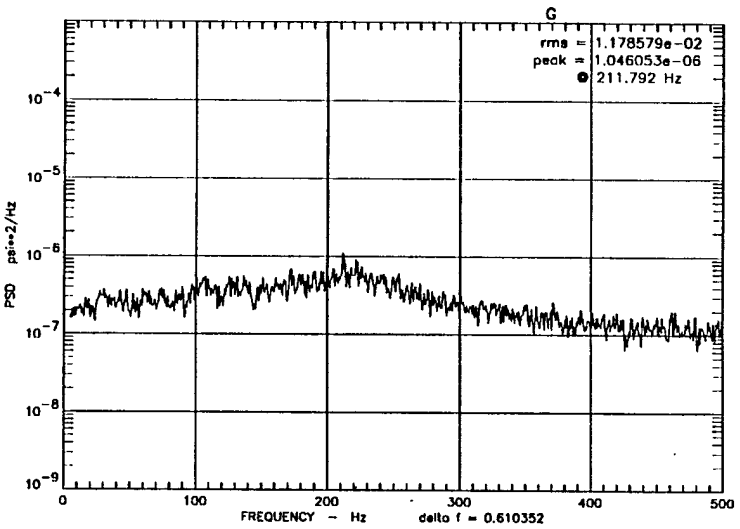
F-15 TPN 2998: q=56 alpha=16 beta=0 bp=65g



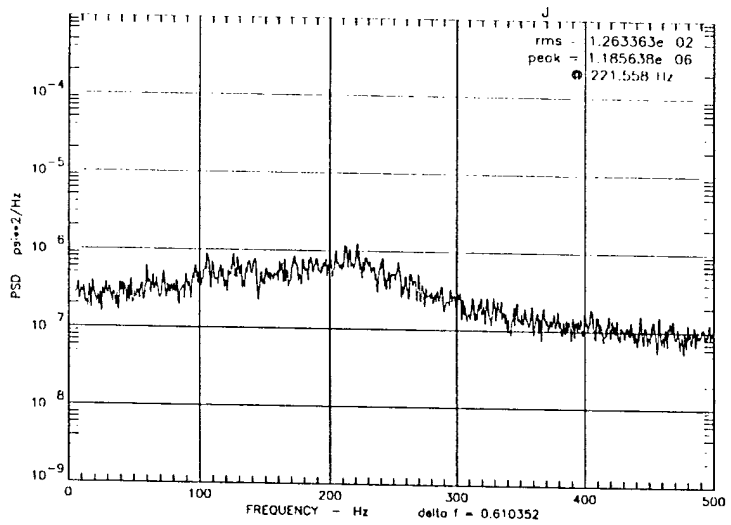
F-15 TPN_2998: q=56 alpha=16 beta=0 bp=65g



F-15 TPN_2998: q=56 alpha=16 beta=0 bp=65g



F 15 TPN 2998: q=56 alpha=16 beta=0 bp=65g



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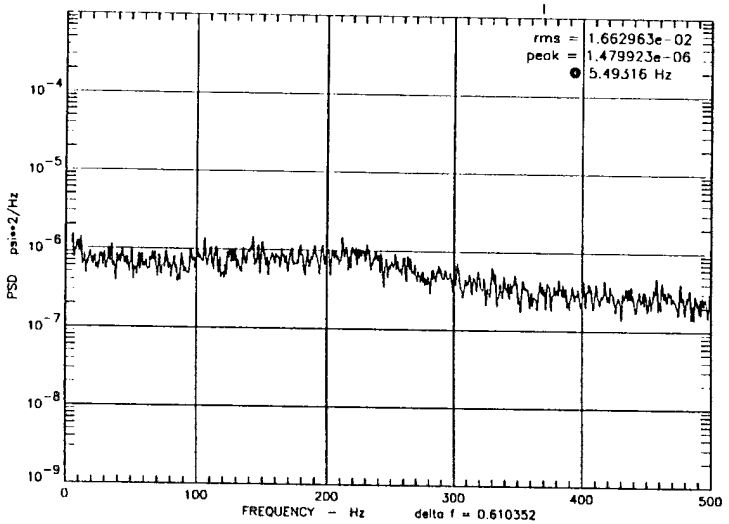
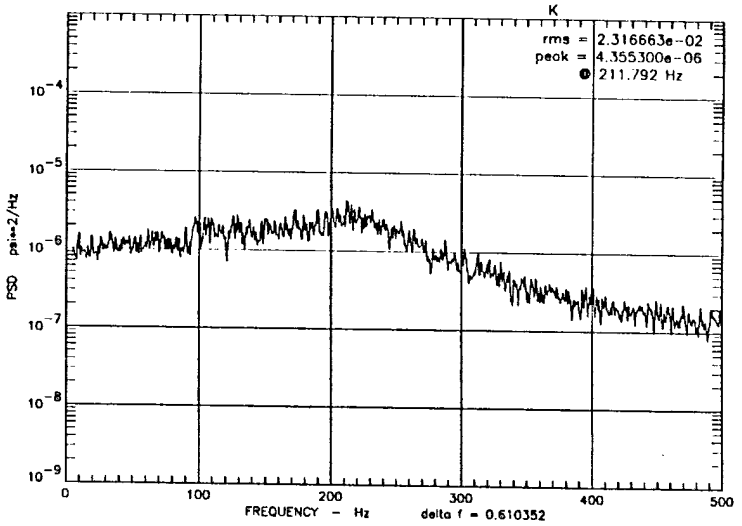
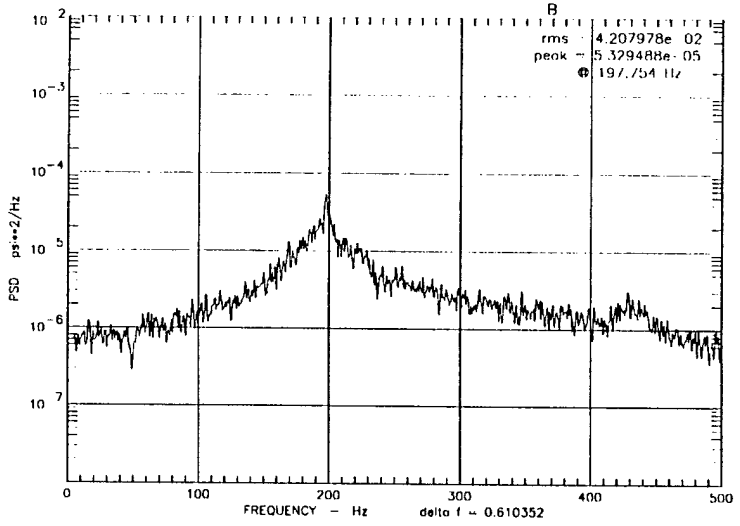


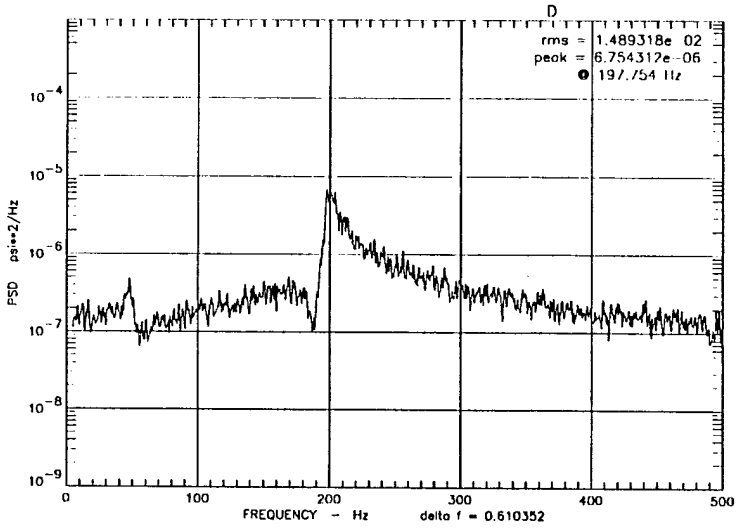
F-15 TPN_2998: q=56 alpha=16 beta=0 bp=65g



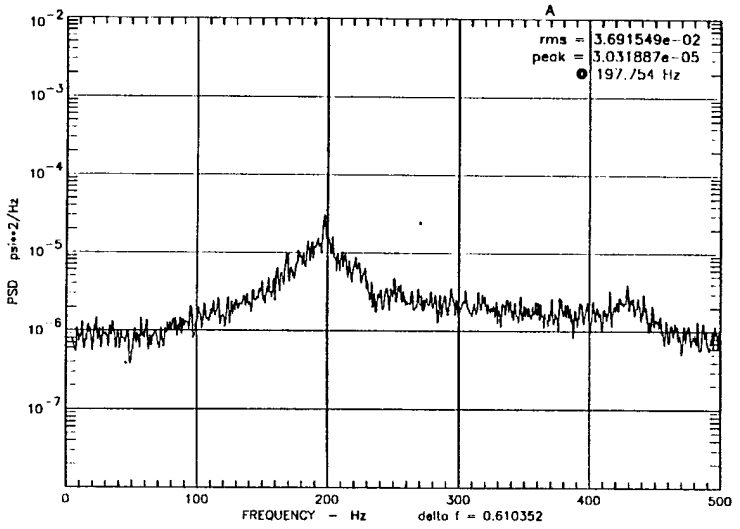
F 15 TPN 3000: q=56 alpha=20 beta=0 bp=65g



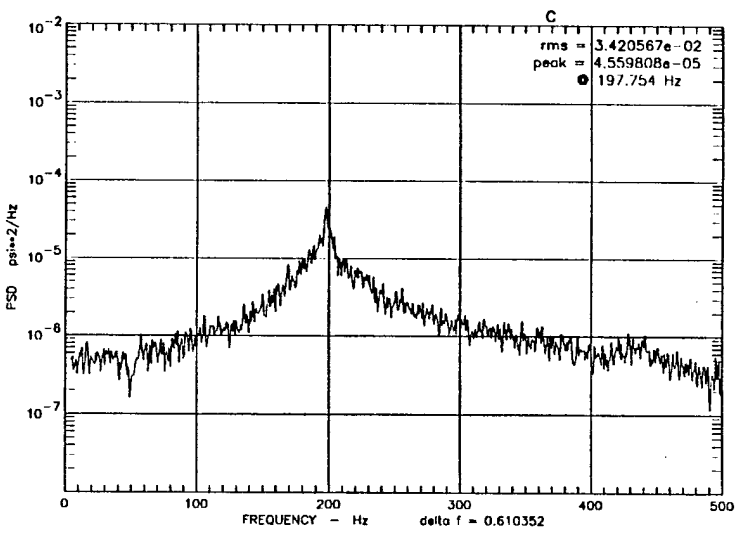
F-15 TPN 3000: q=56 alpha=20 beta=0 bp=65g



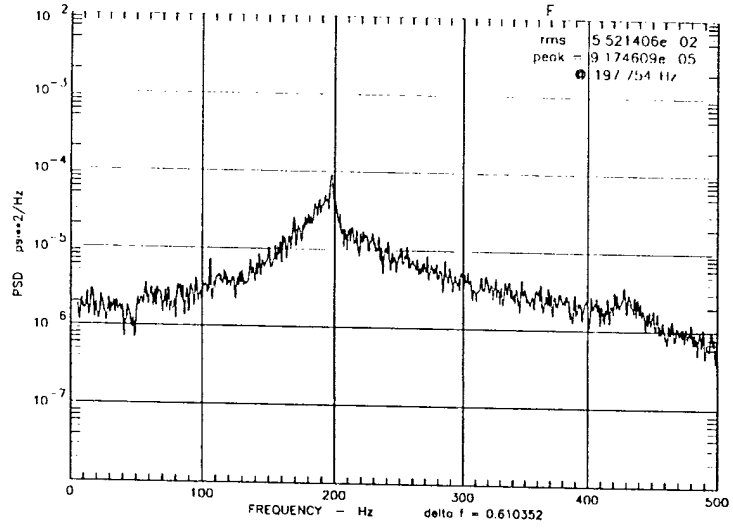
F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g



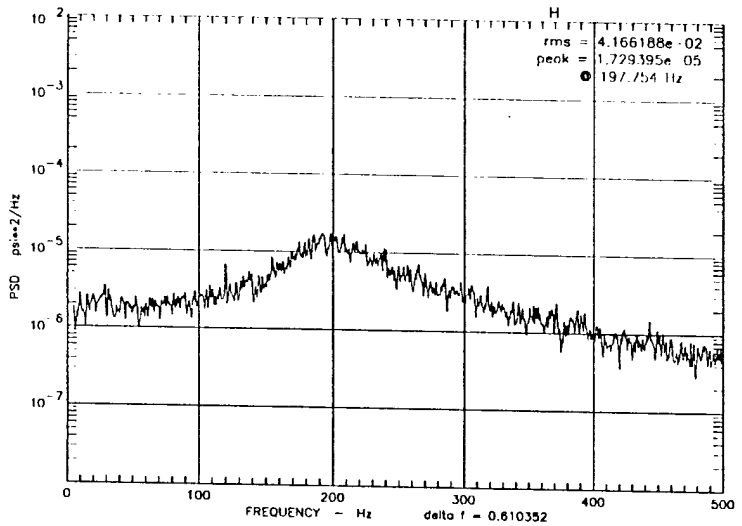
F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g



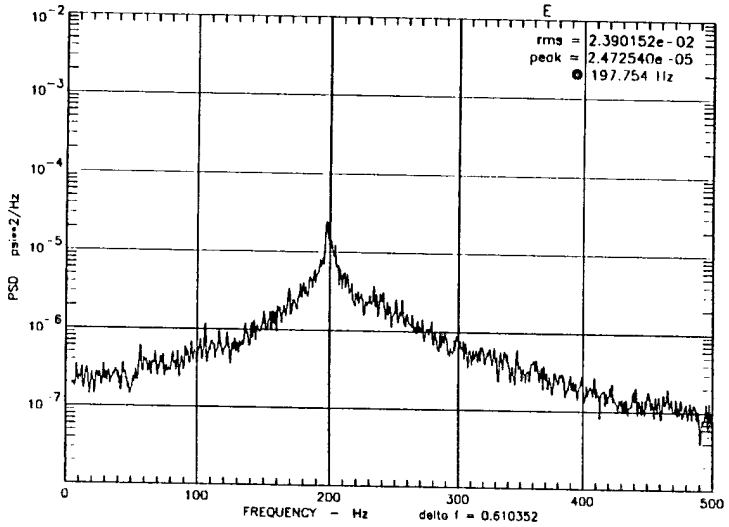
F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g



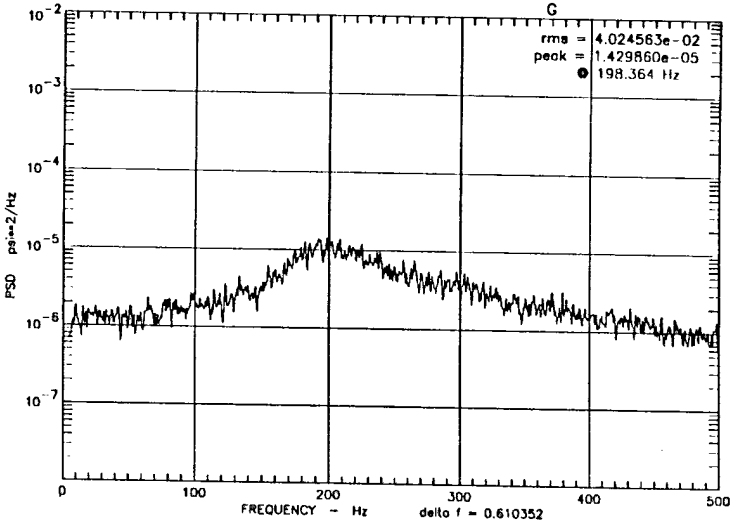
F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g



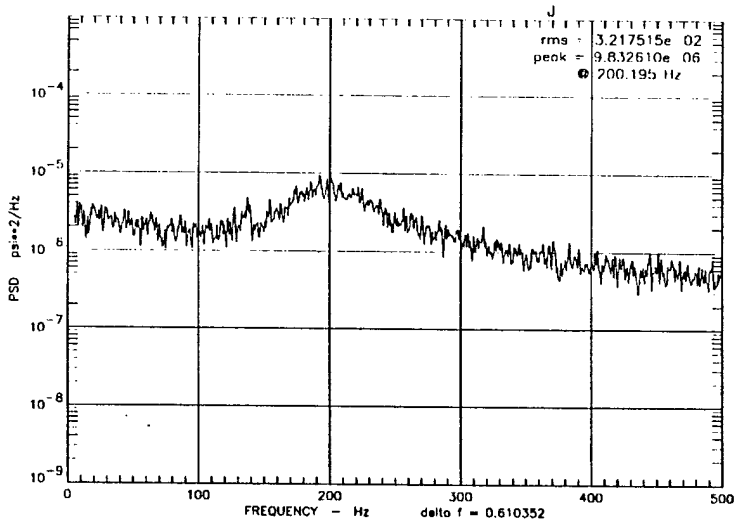
F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g



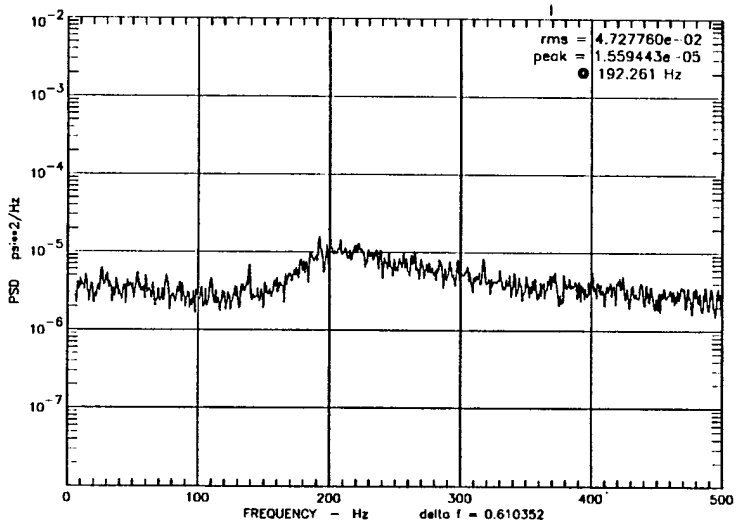
F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g



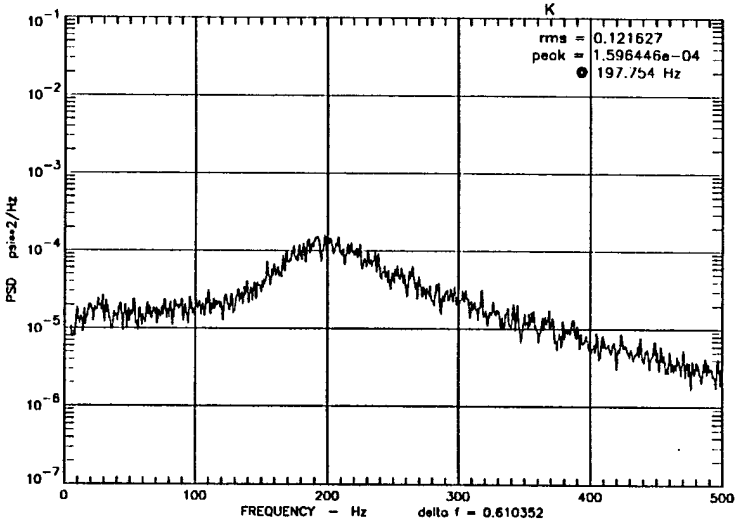
F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g

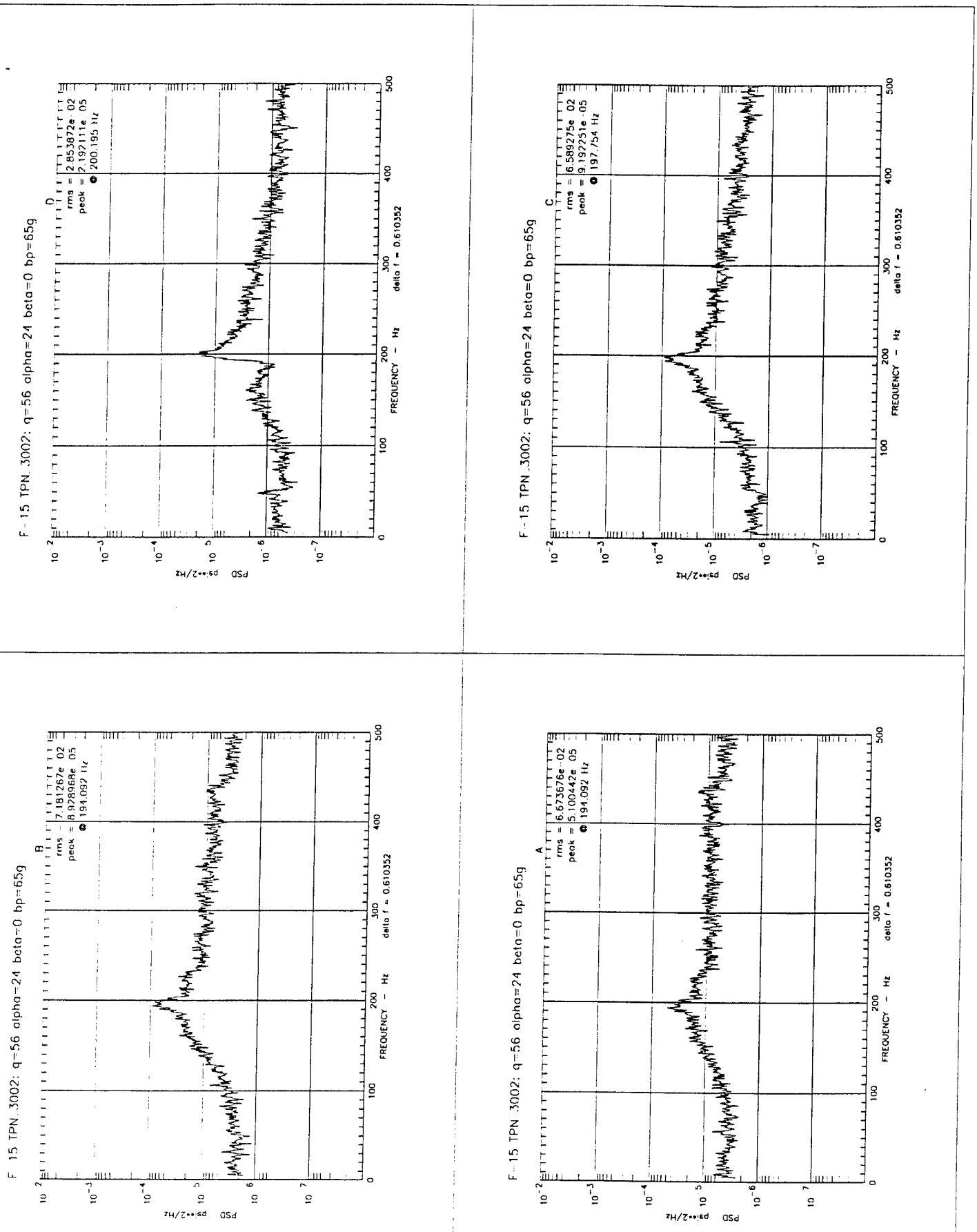


F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g

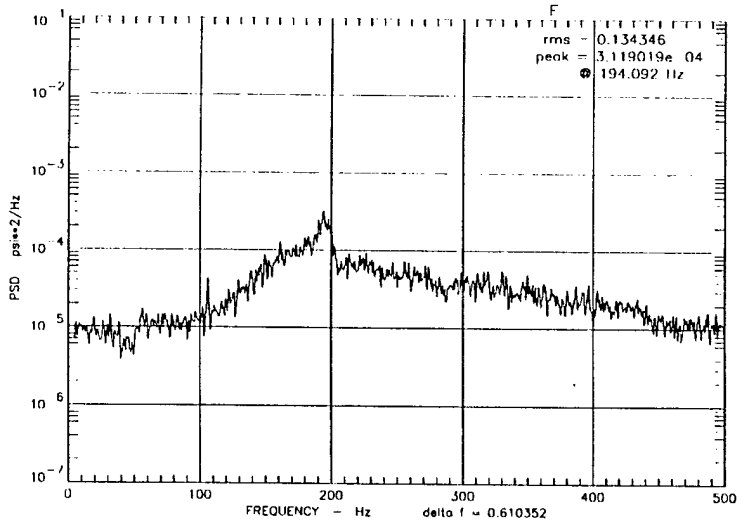


F-15 TPN_3000: q=56 alpha=20 beta=0 bp=65g

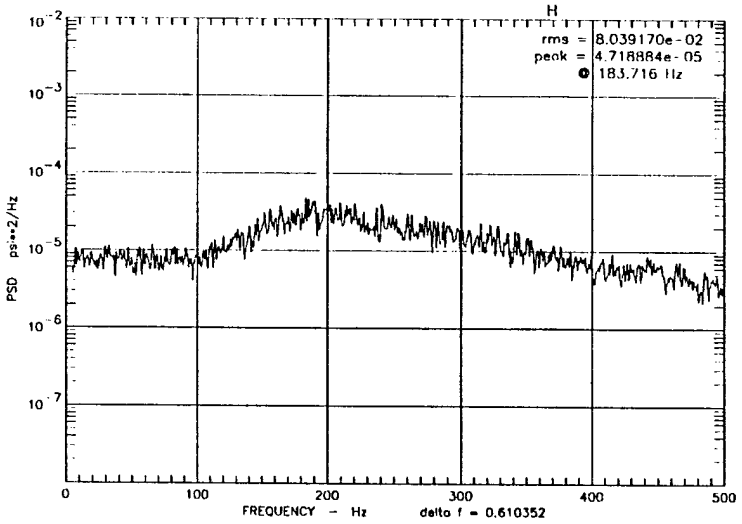



F-15 TPN .3002: q=56 alpha=24 beta=0 bp=65g
D
rms = 2.853872e 02
peak = 2.192111e 05
@ 200.195 Hz
C
rms = 6.589275e 02
peak = 9.192251e 05
@ 197.754 Hz
B
rms = 7.181267e 02
peak = 8.928968e 05
@ 194.092 Hz
A
rms = 6.673676e-02
peak = 5.100442e 05
@ 194.092 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

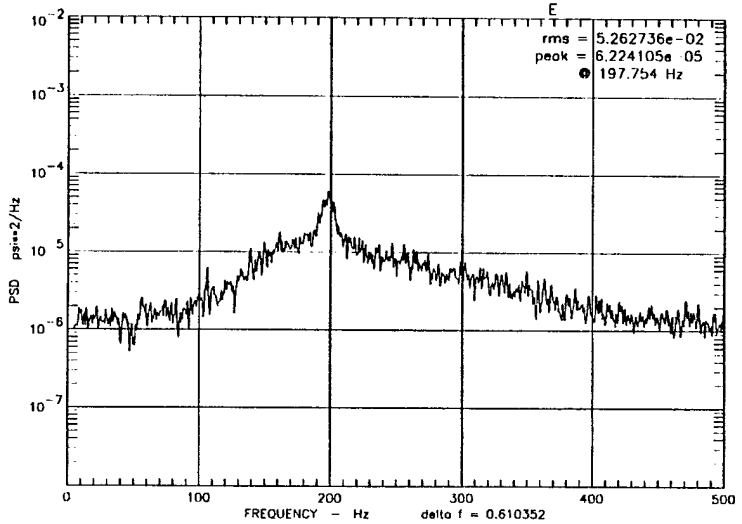
F 15 TPN_3002: q=56 alpha=24 beta=0 bp=65g



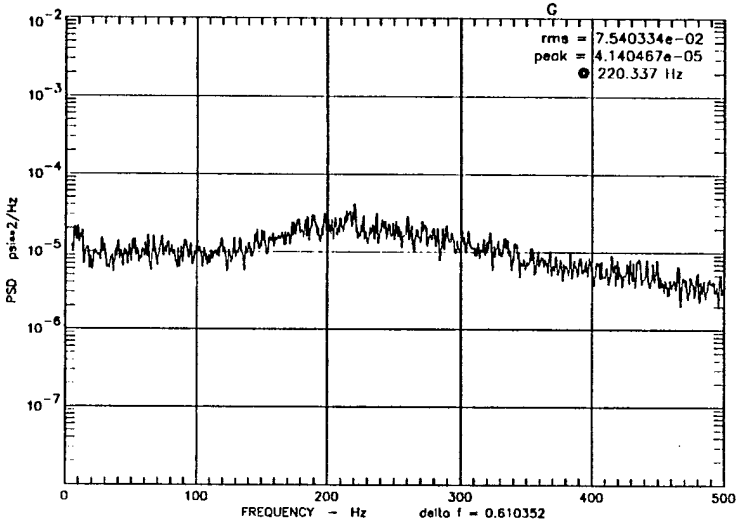
F-15 TPN_3002: q=56 alpha=24 beta=0 bp=65g



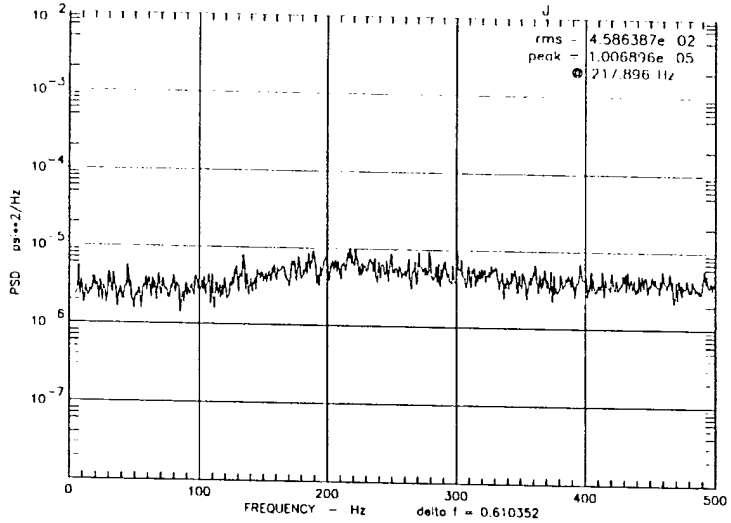
F-15 TPN_3002: q=56 alpha=24 beta=0 bp=65g



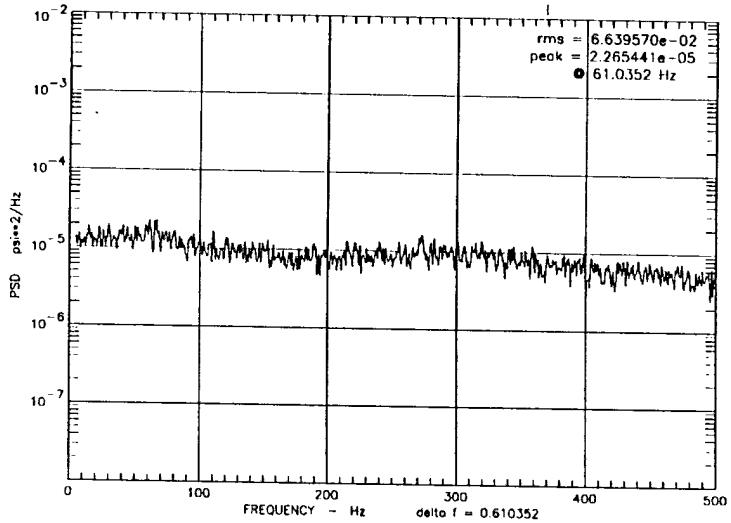
F-15 TPN_3002: q=56 alpha=24 beta=0 bp=65g



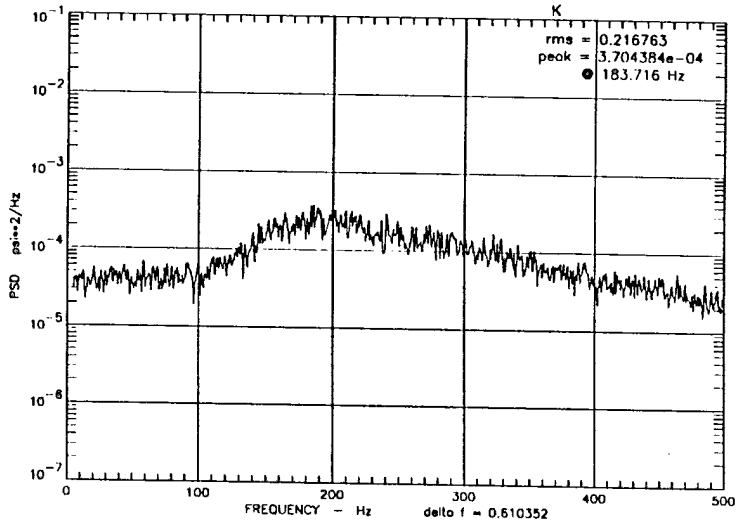
F 15 TPN_3002: q=56 alpha=24 beta=0 bp=65g



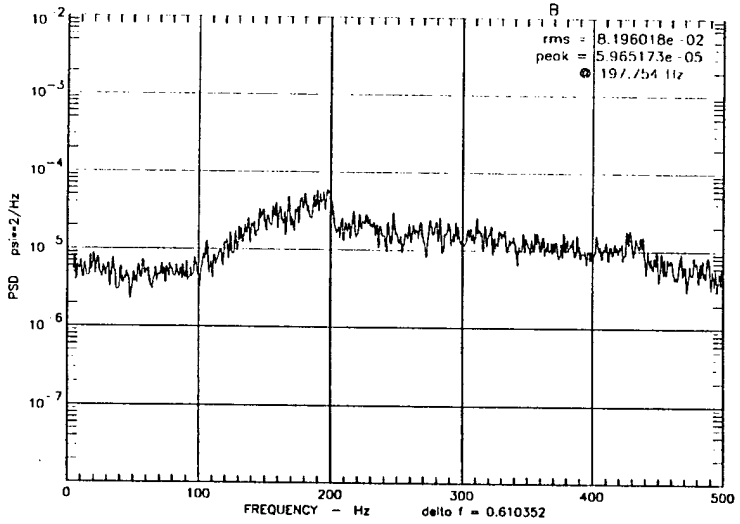
F-15 TPN_3002: q=56 alpha=24 beta=0 bp=65g



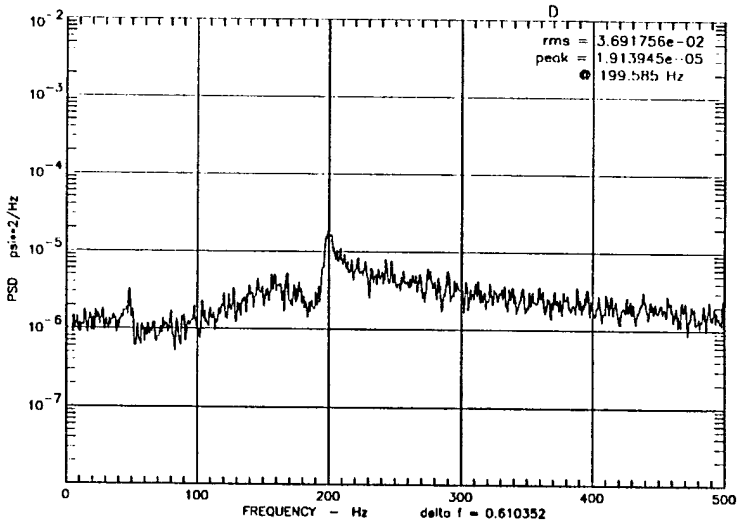
F-15 TPN_3002: q=56 alpha=24 beta=0 bp=65g



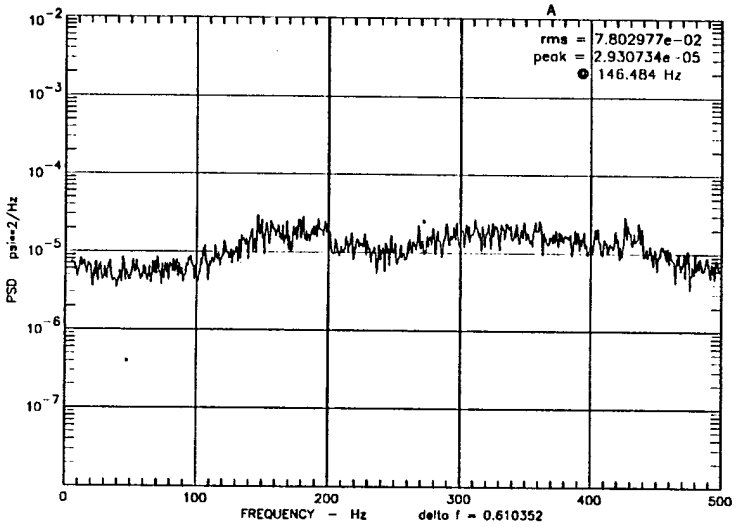
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



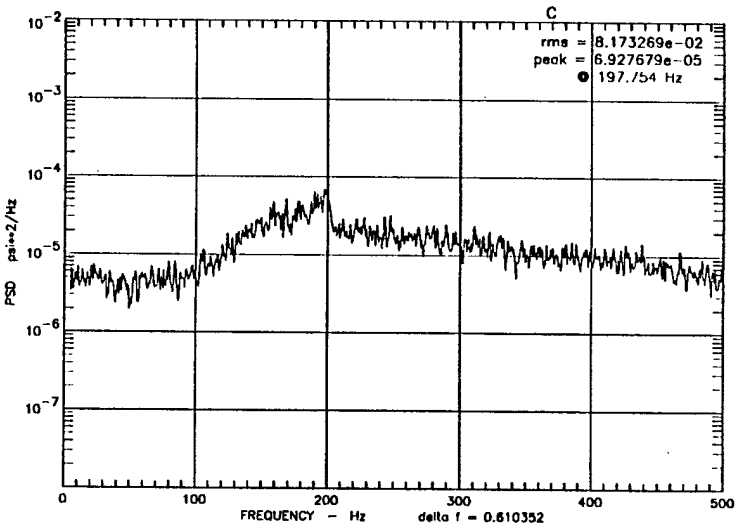
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



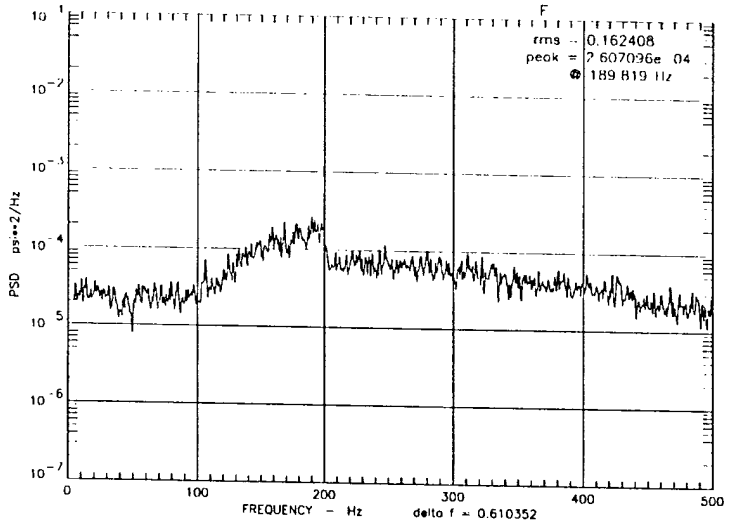
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



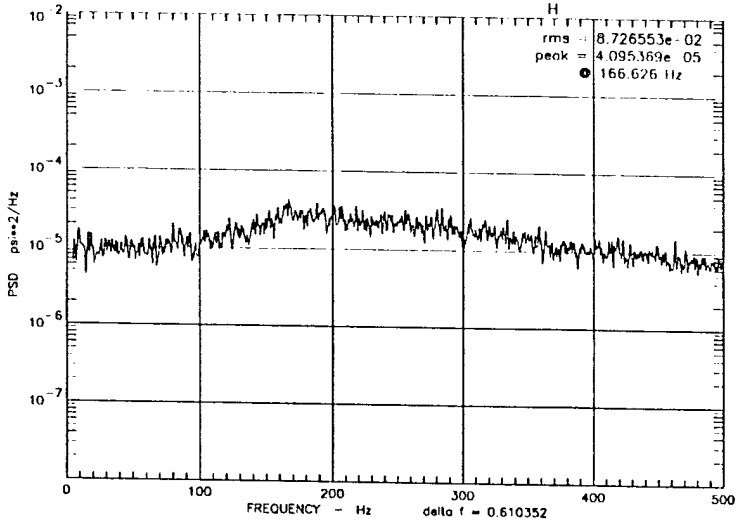
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



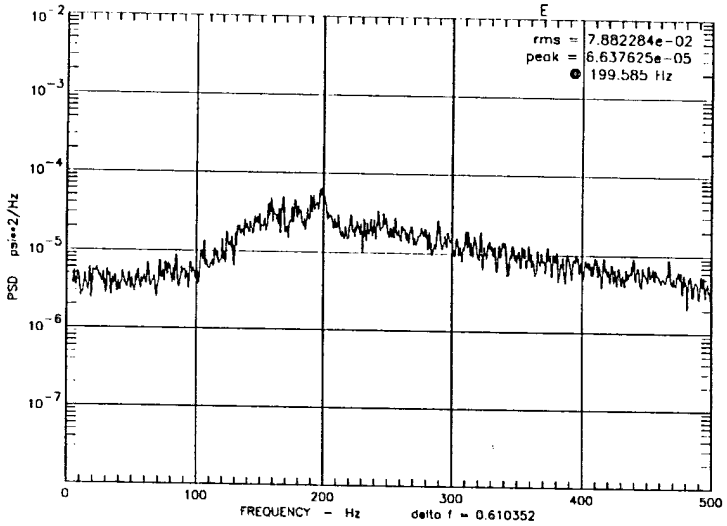
F 15 TPN 3003: q=56 alpha=26 beta=0 bp=65g



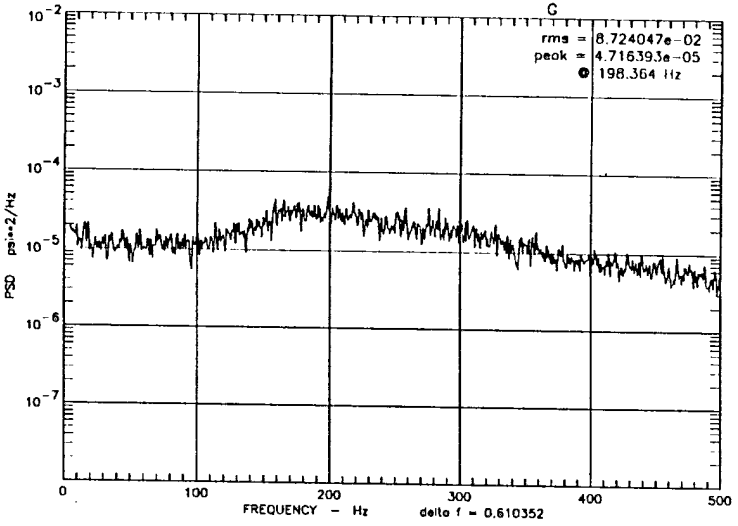
F-15 TPN 3003: q=56 alpha=26 beta=0 bp=65g



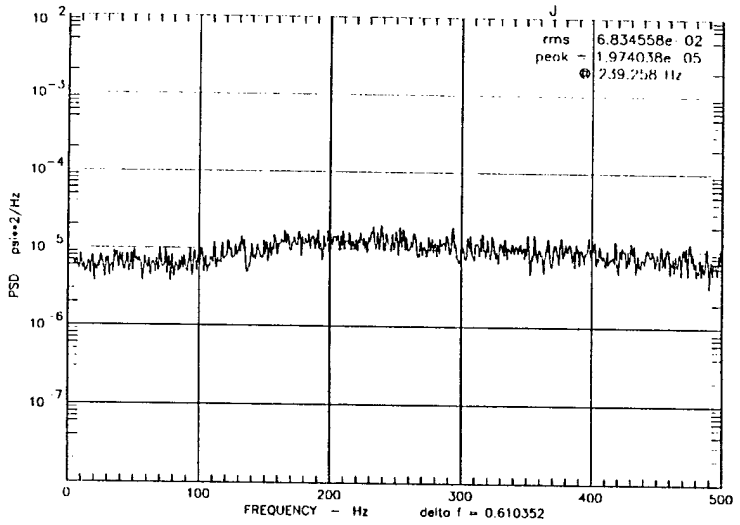
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



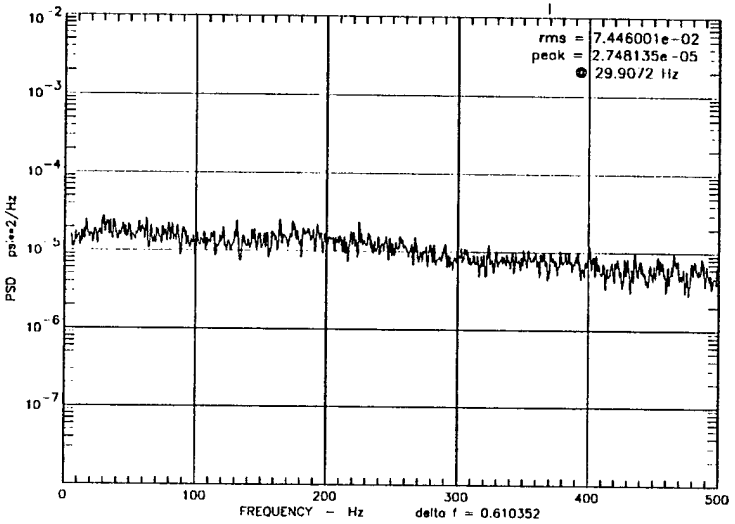
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



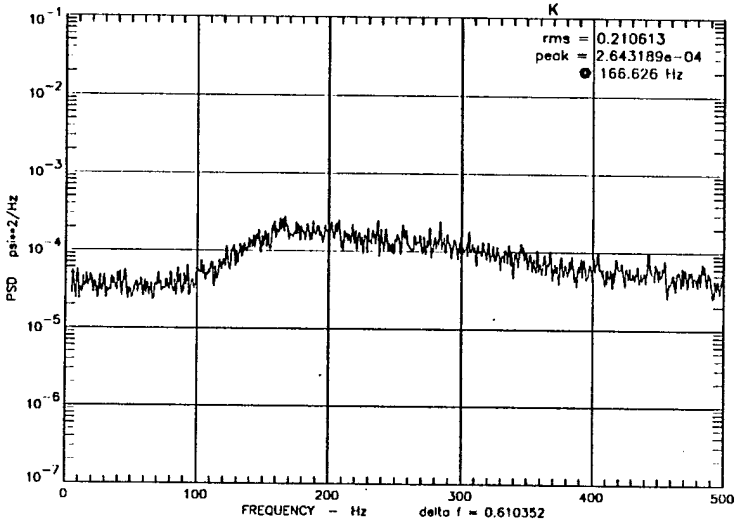
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



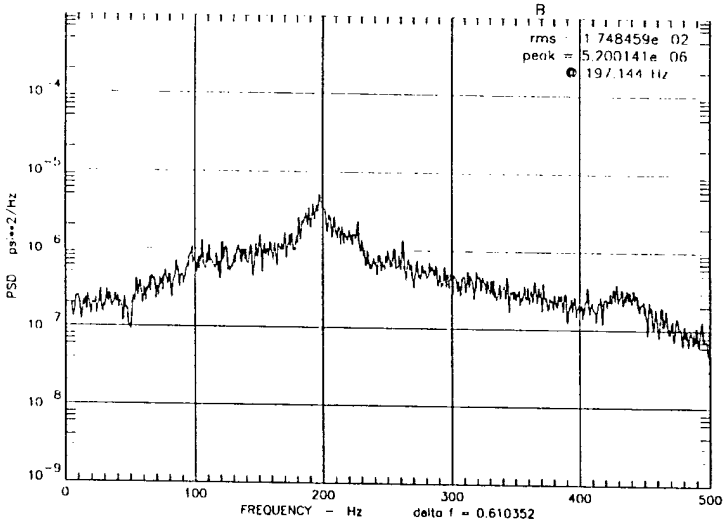
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



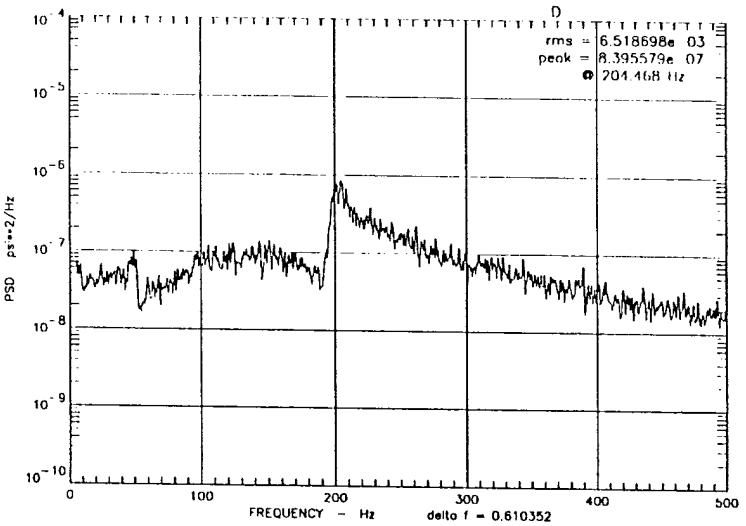
F-15 TPN_3003: q=56 alpha=26 beta=0 bp=65g



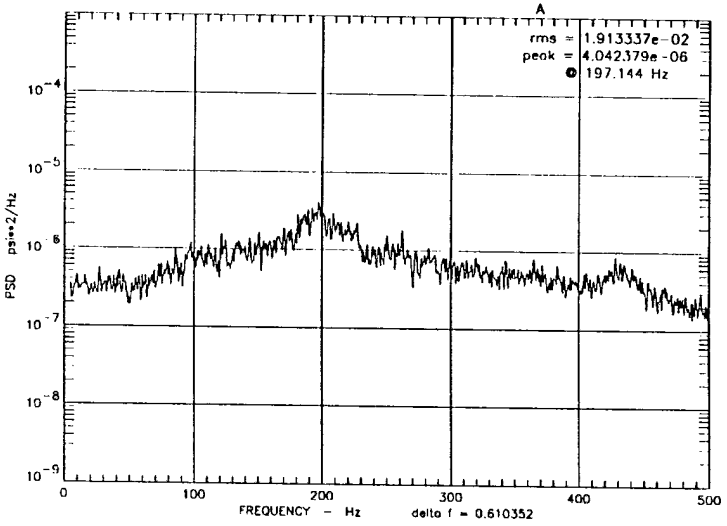
F 15 TPN 2992: q=56 alpha=16 beta= 4 bp=65g



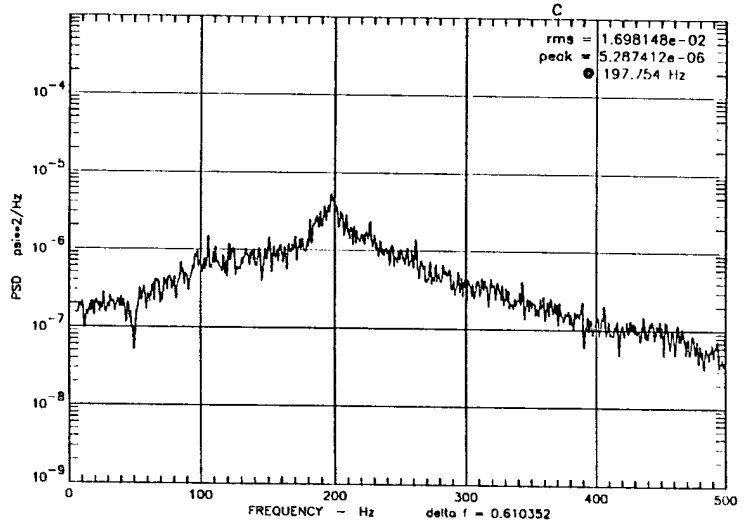
F 15 TPN 2992: q=56 alpha=16 beta=-4 bp=65g



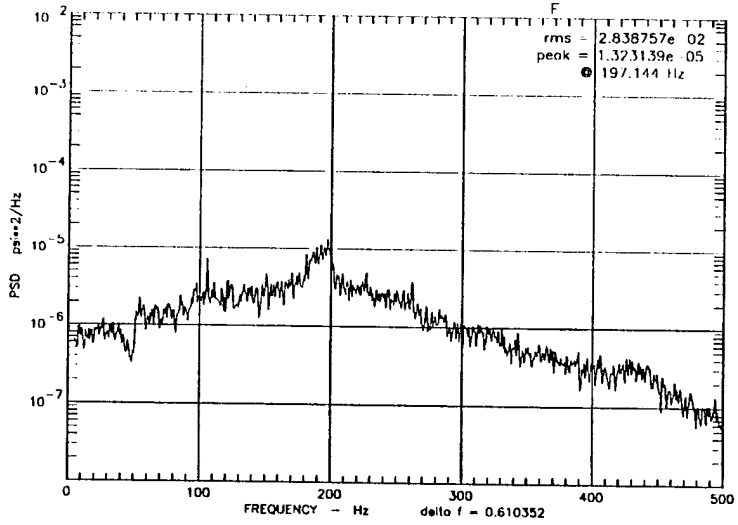
F-15 TPN_2992: q=56 alpha=16 beta=-4 bp=65g



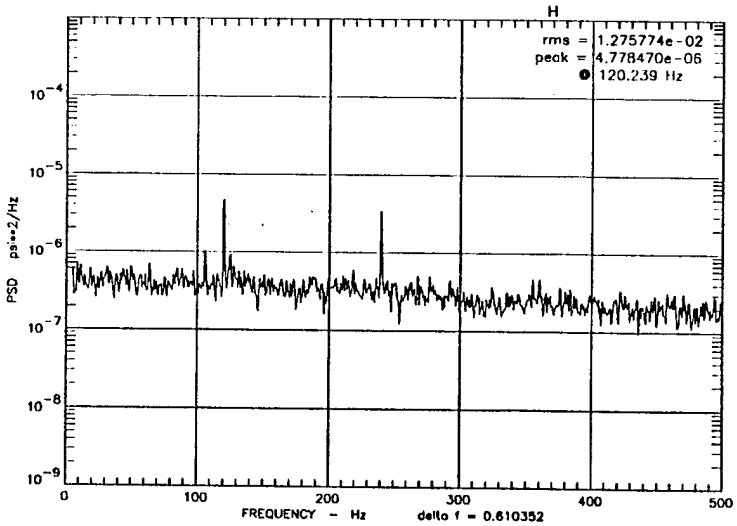
F-15 TPN_2992: q=56 alpha=16 beta=-4 bp=65g



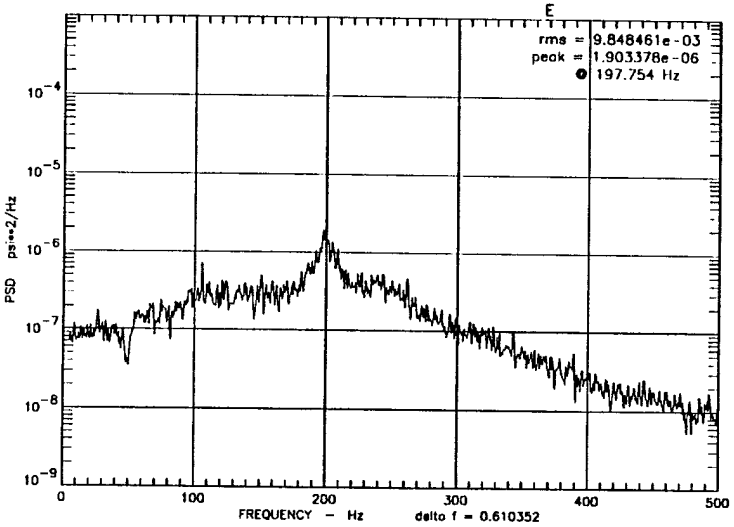
F-15 TPN_2992: q=56 alpha=16 beta=-4 bp=65g



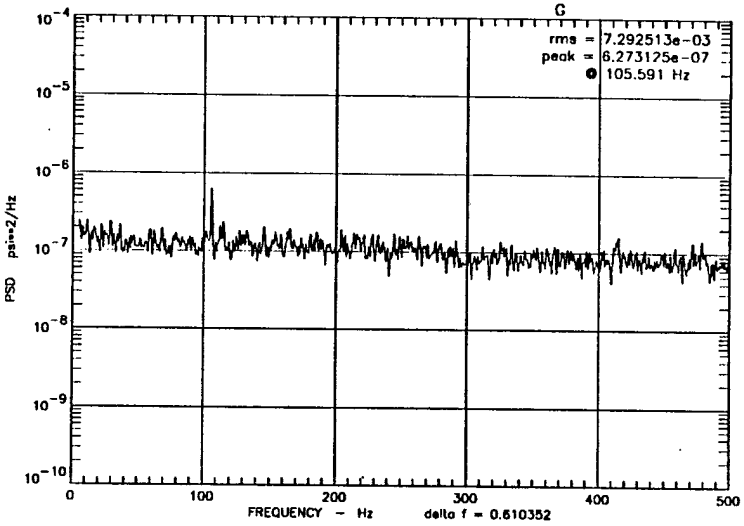
F-15 TPN 2992: q=56 alpha=16 beta=-4 bp=65g



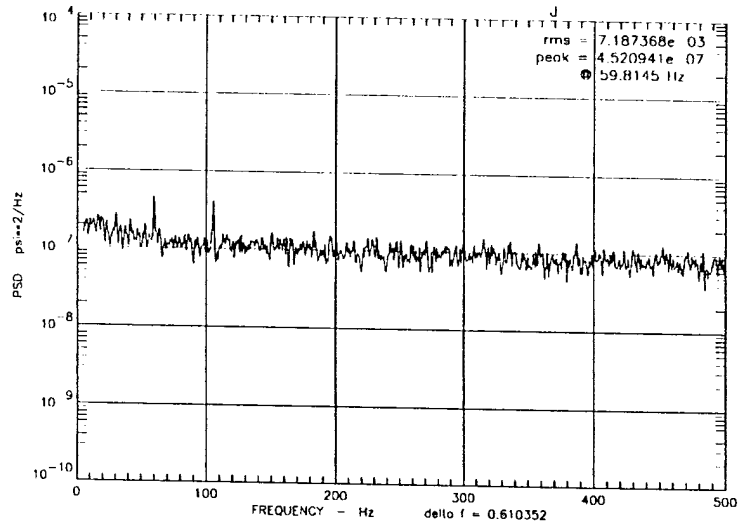
F-15 TPN_2992: q=56 alpha=16 beta=-4 bp=65g



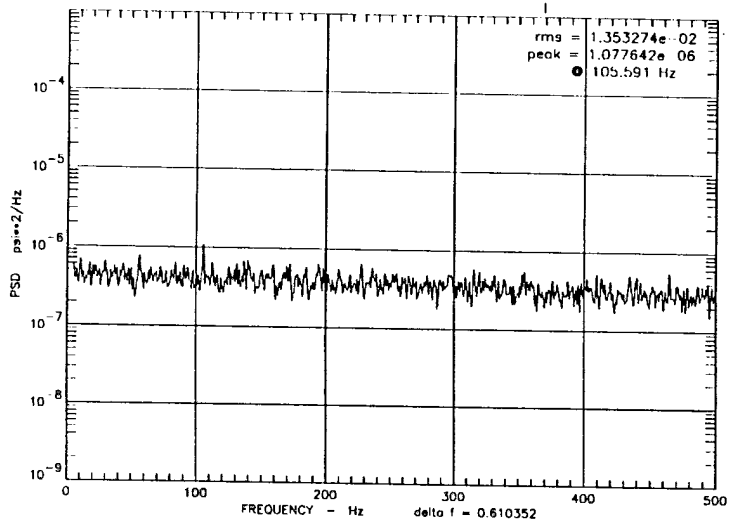
F-15 TPN_2992: q=56 alpha=16 beta=-4 bp=65g



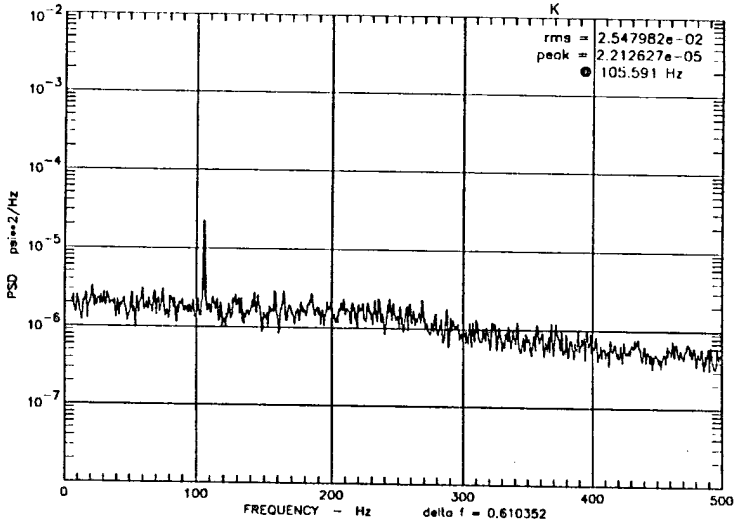
F 15 TPN_2992: q=56 alpha=16 beta=-4 bp=65g



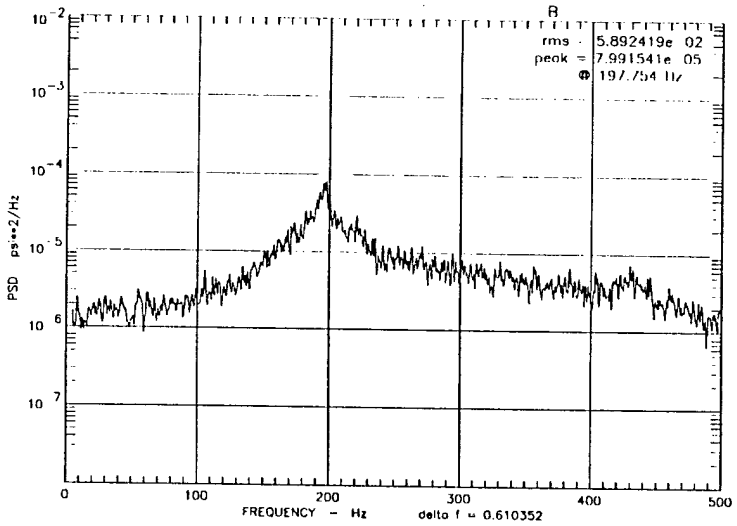
F 15 TPN_2992: q=56 alpha=16 beta=-4 bp=65g



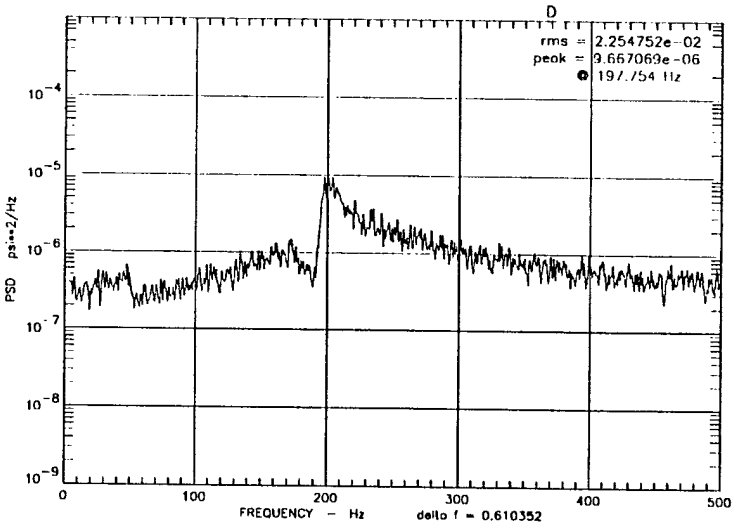
F-15 TPN_2992: q=56 alpha=16 beta=-4 bp=65g



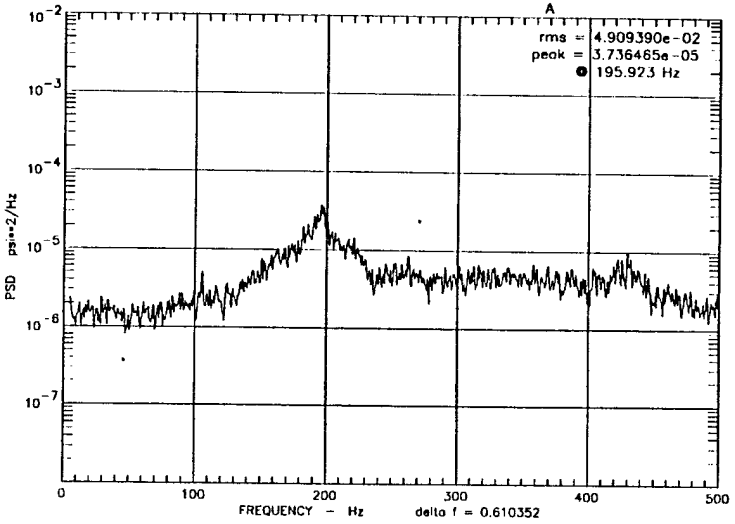
F-15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g



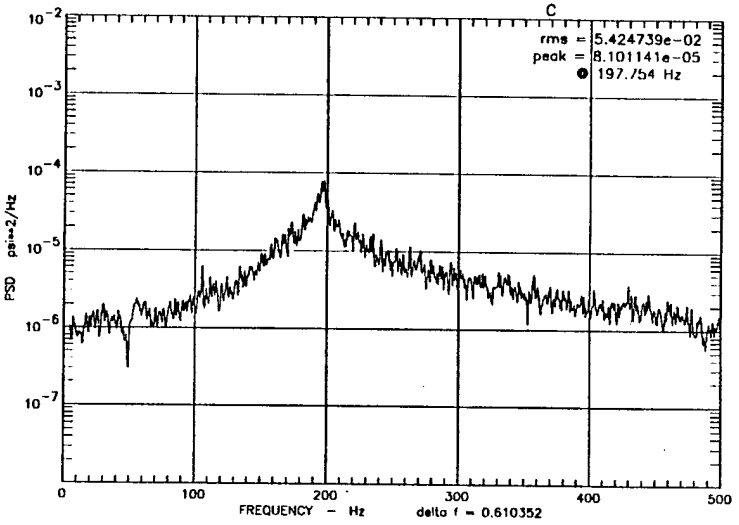
F-15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g



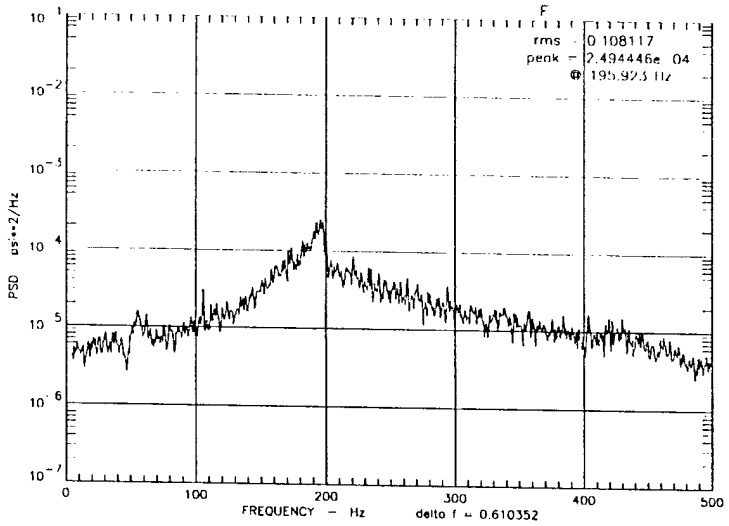
F-15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g



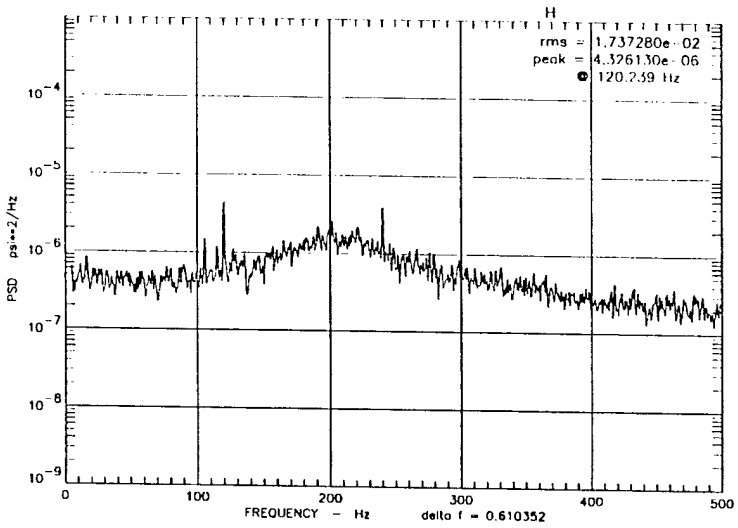
F-15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g



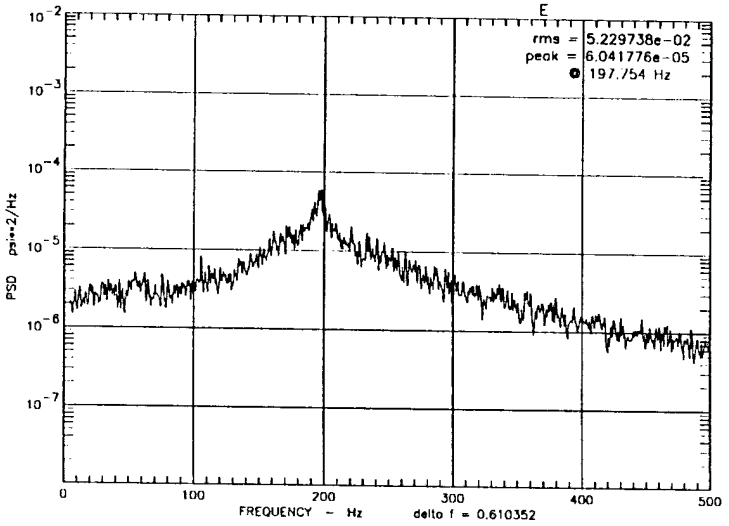
F 15 TPN_2994: q=56 alpha=20 beta= 4 bp=65g



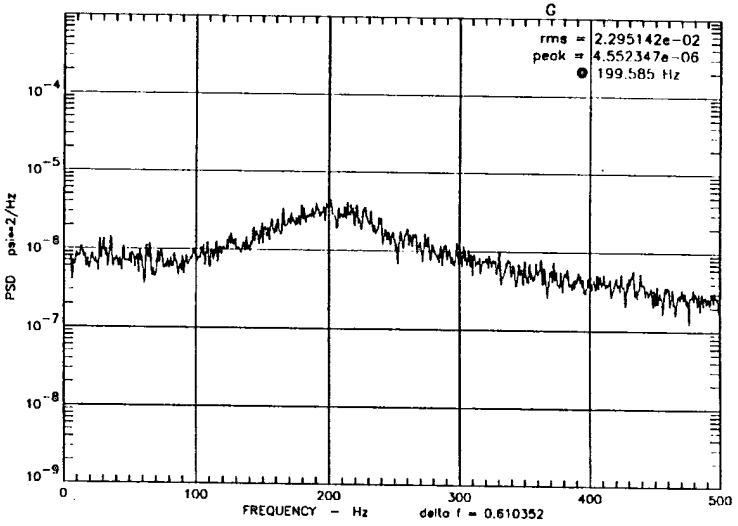
F 15 TPN 2994: q=56 alpha=20 beta= 4 bp=65g



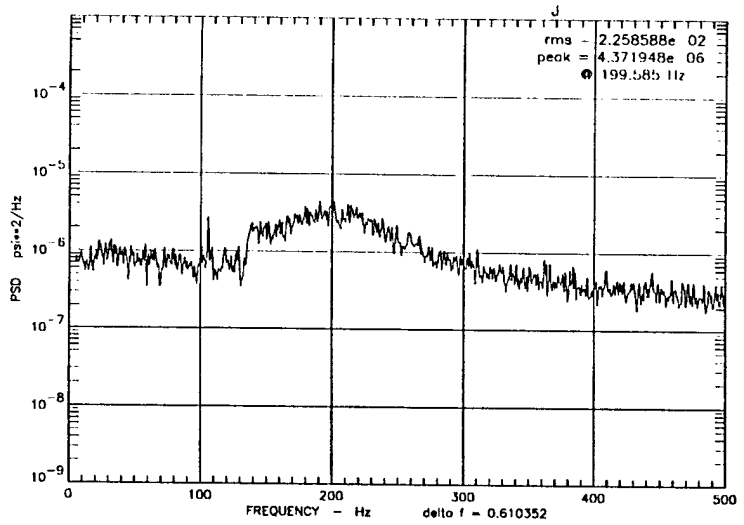
F-15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g



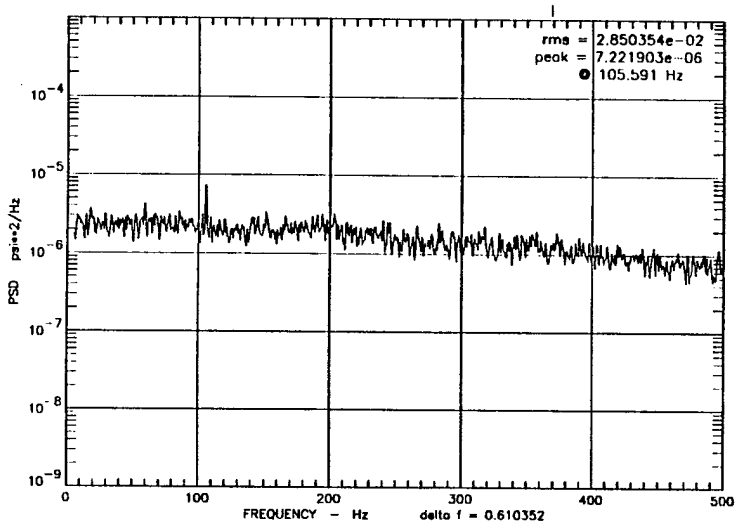
F-15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g



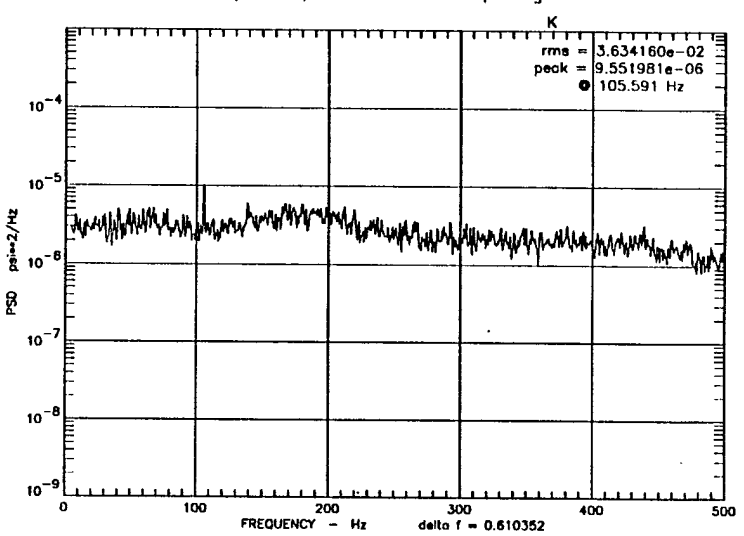
F 15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g

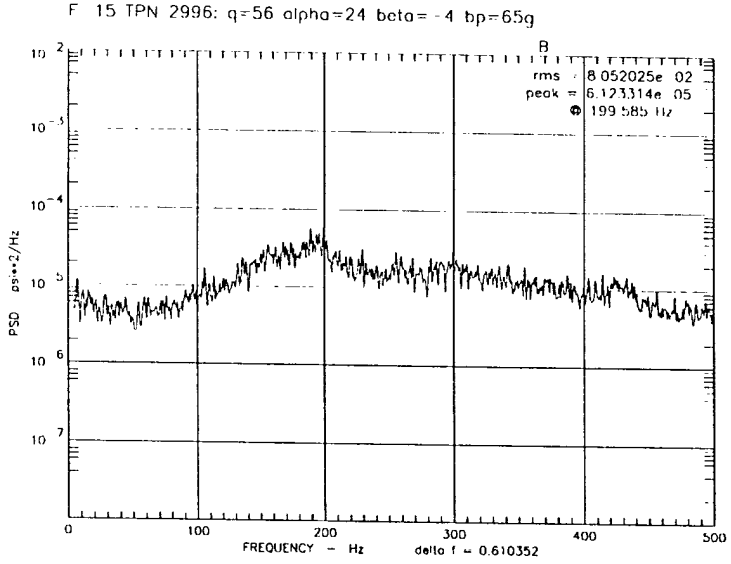


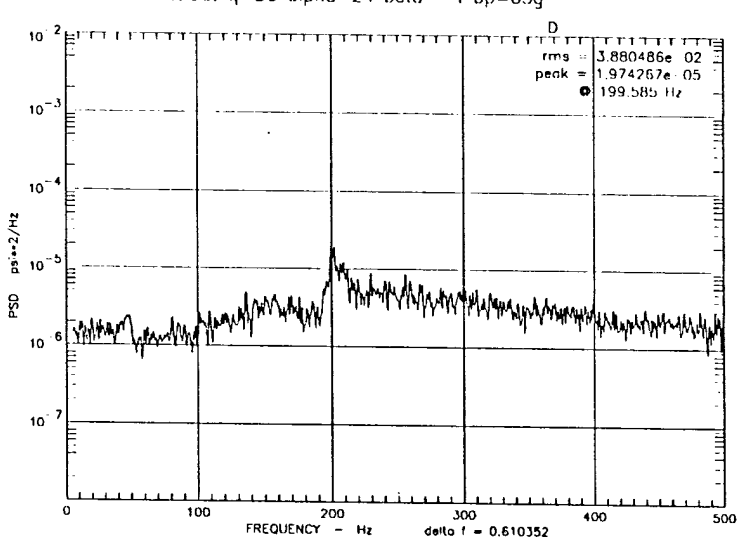
F-15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g

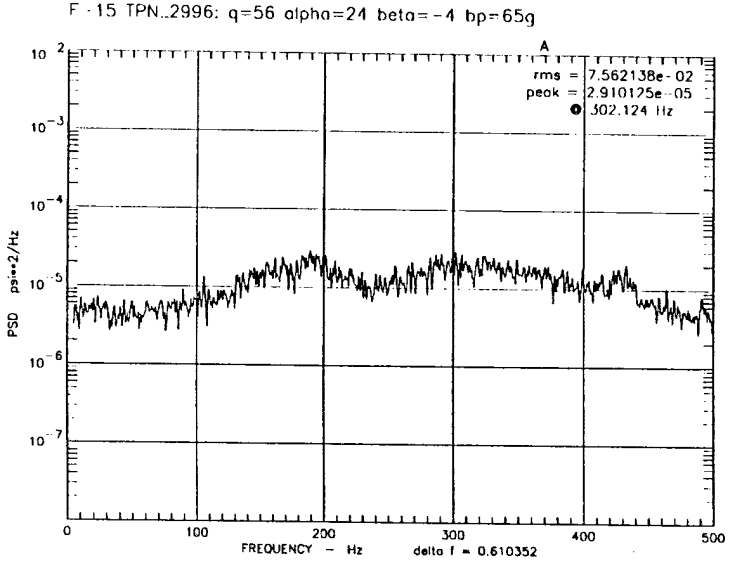


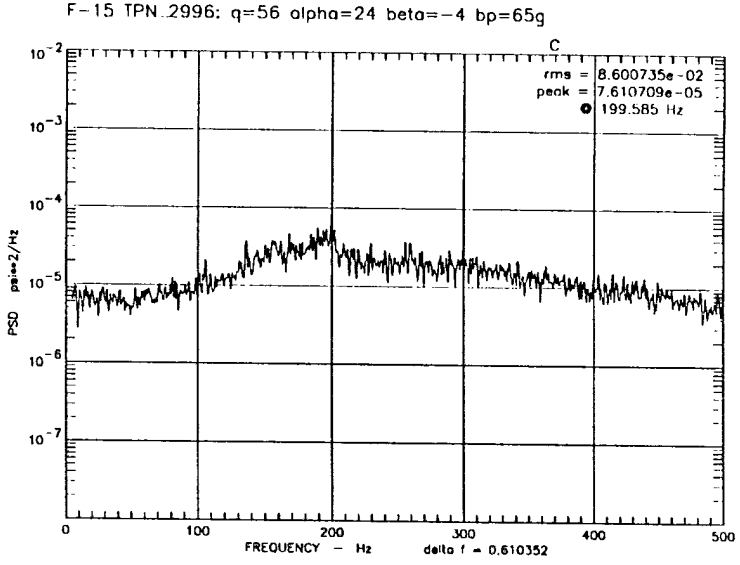
F-15 TPN_2994: q=56 alpha=20 beta=-4 bp=65g



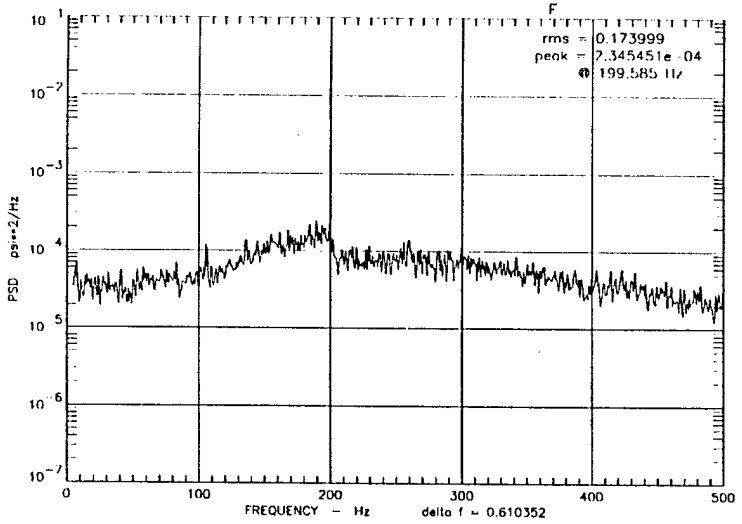

F 15 TPN 2996: q=56 alpha=24 beta=-4 bp=65g
B
rms = 8.052025e-02
peak = 6.123314e-05
199.585 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_2996: q=56 alpha=24 beta=-4 bp=65g
D
rms = 3.880486e-02
peak = 1.974267e-05
199.585 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

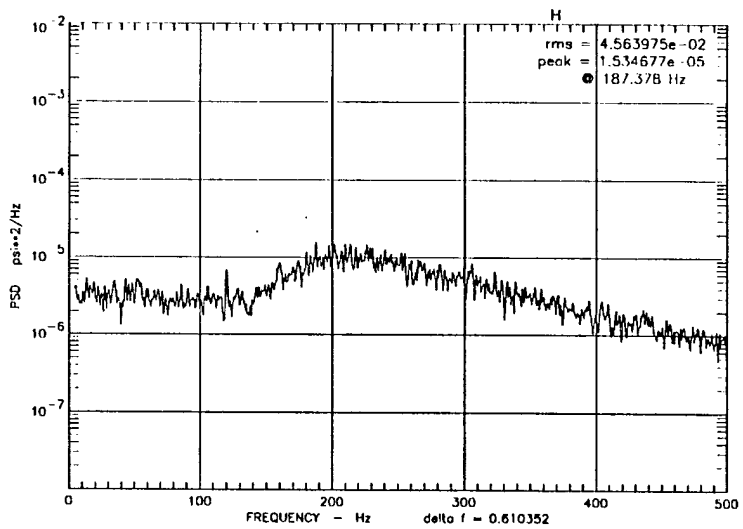

F-15 TPN_2996: q=56 alpha=24 beta=-4 bp=65g
A
rms = 7.562138e-02
peak = 2.910125e-05
302.124 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_2996: q=56 alpha=24 beta=-4 bp=65g
C
rms = 8.600735e-02
peak = 7.610709e-05
199.585 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

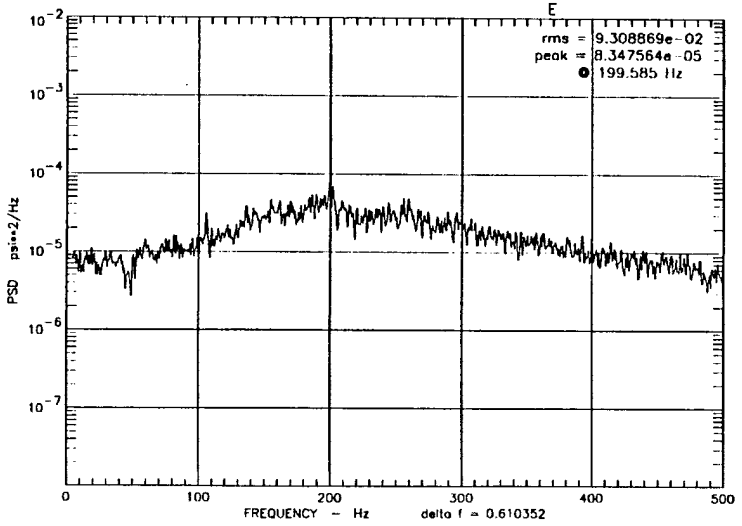
F-15 TPN_2996: q=56 alpha=24 beta=-4 bp=65g



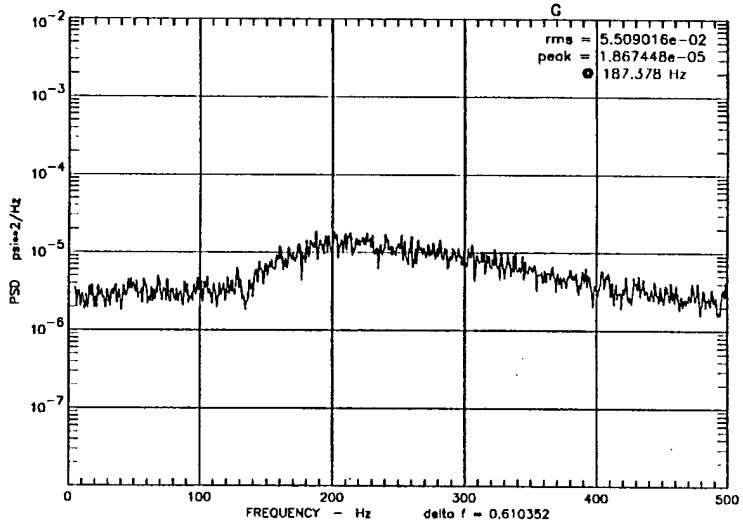
F 15 TPN 2996: q=56 alpha=24 beta=-4 bp=65g



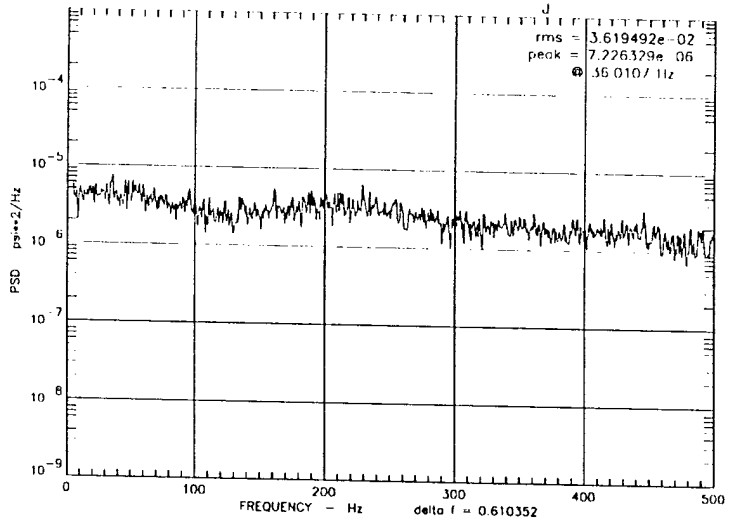
F-15 TPN_2996: q=56 alpha=24 beta=-4 bp=65g



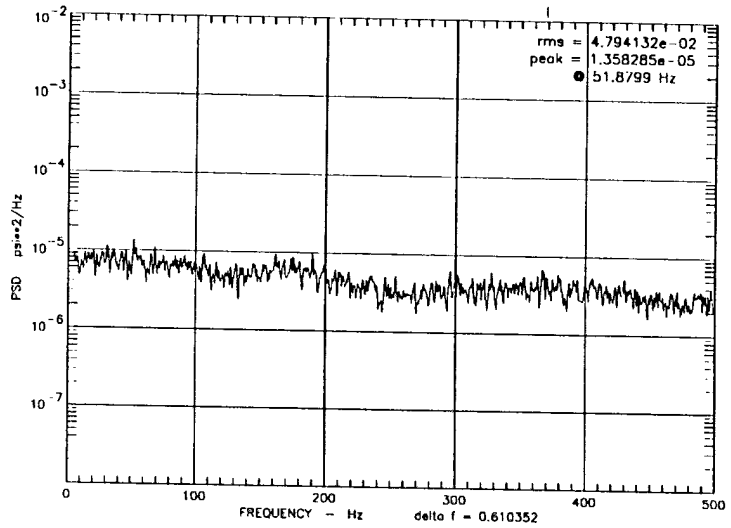
F-15 TPN_2996: q=56 alpha=24 beta=-4 bp=65g



F 15 TPN 2996: q=56 alpha=24 beta=-4 bp=65g



F-15 TPN_2996: q=56 alpha=24 beta=-4 bp=65g



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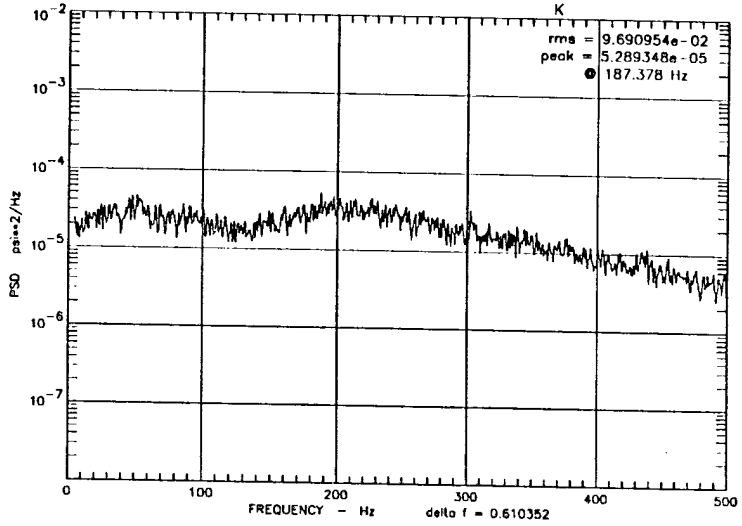

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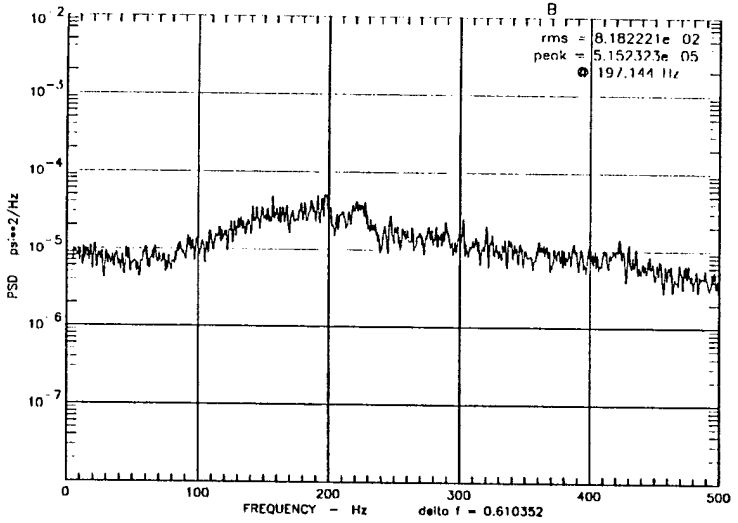

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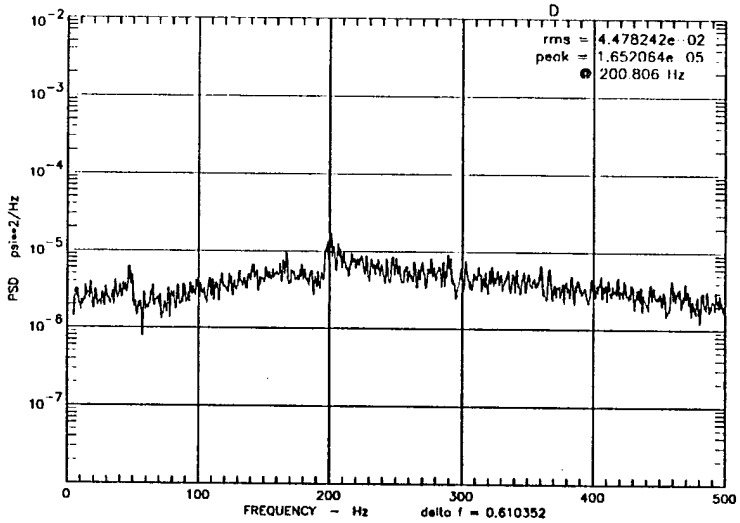

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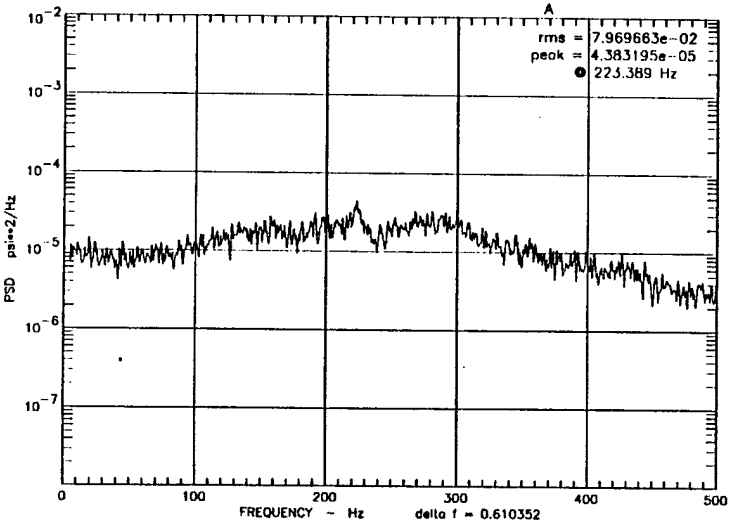

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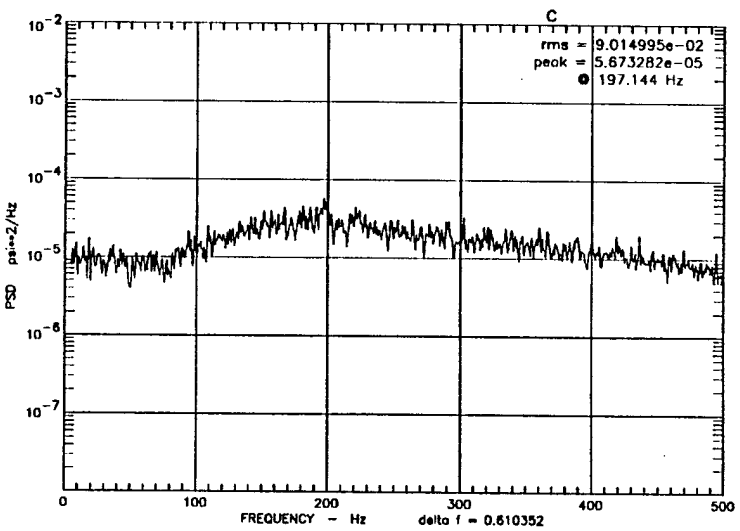

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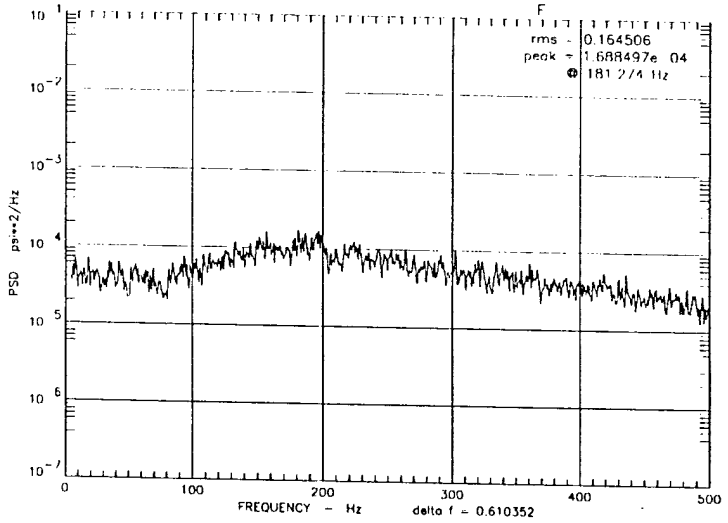

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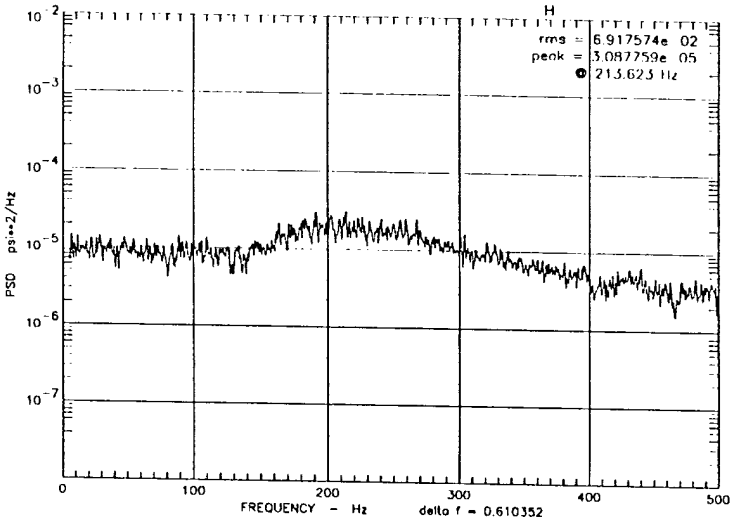

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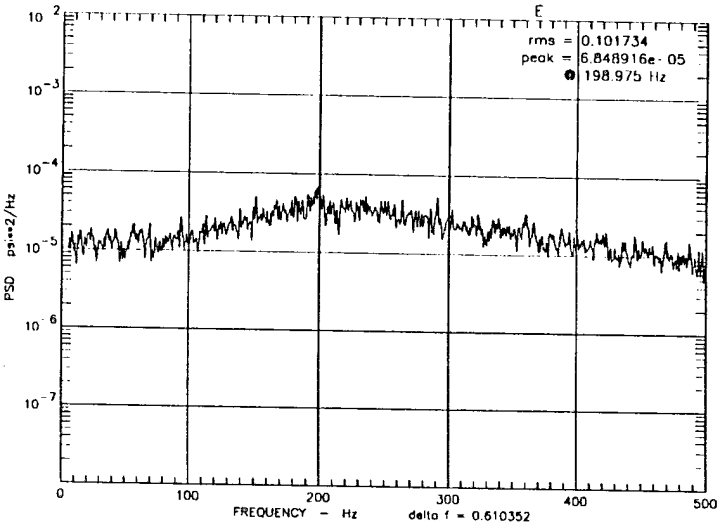

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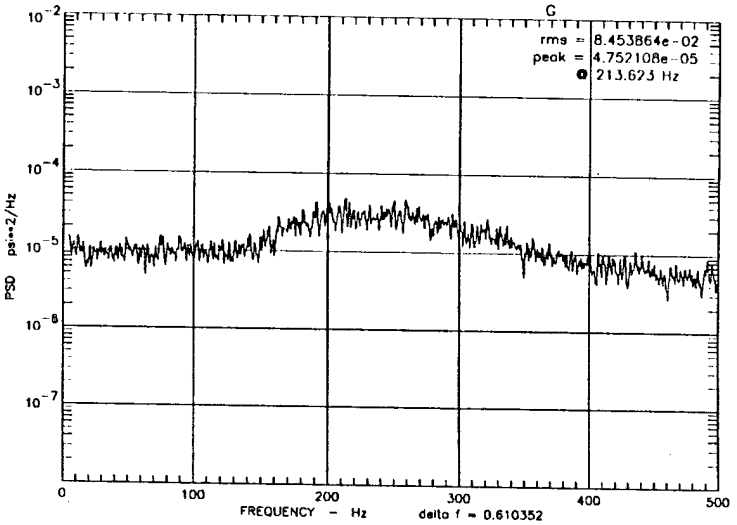

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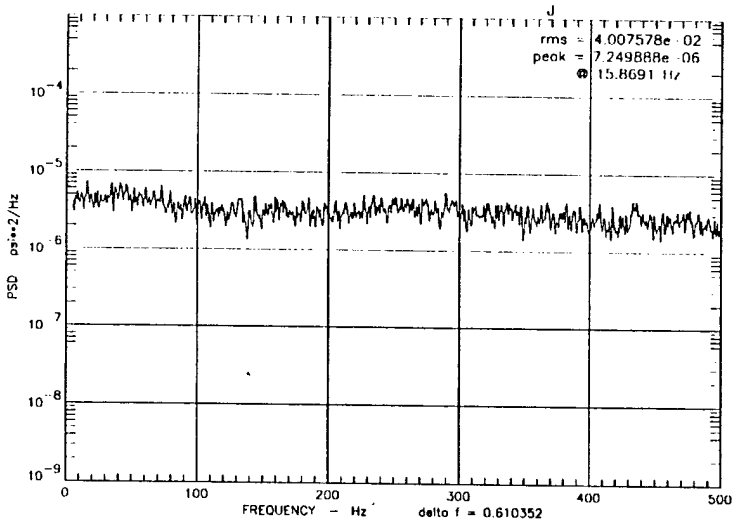

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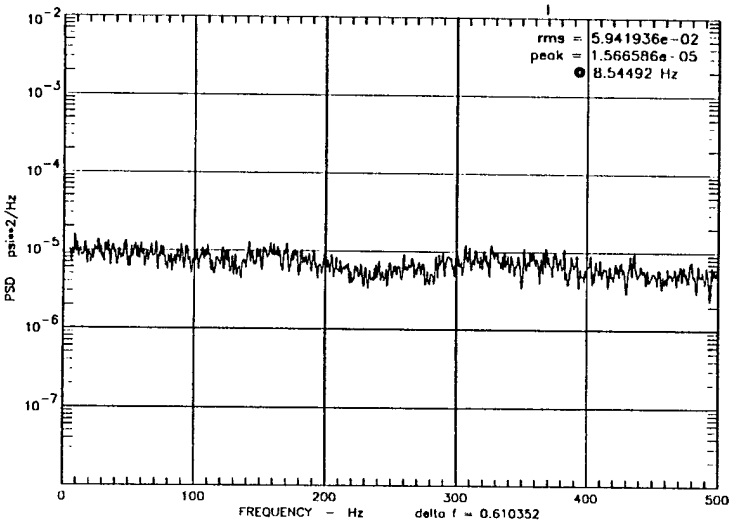

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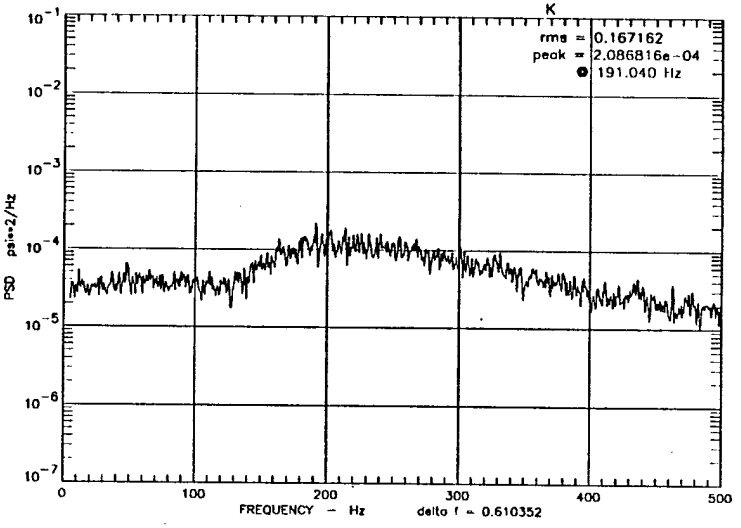
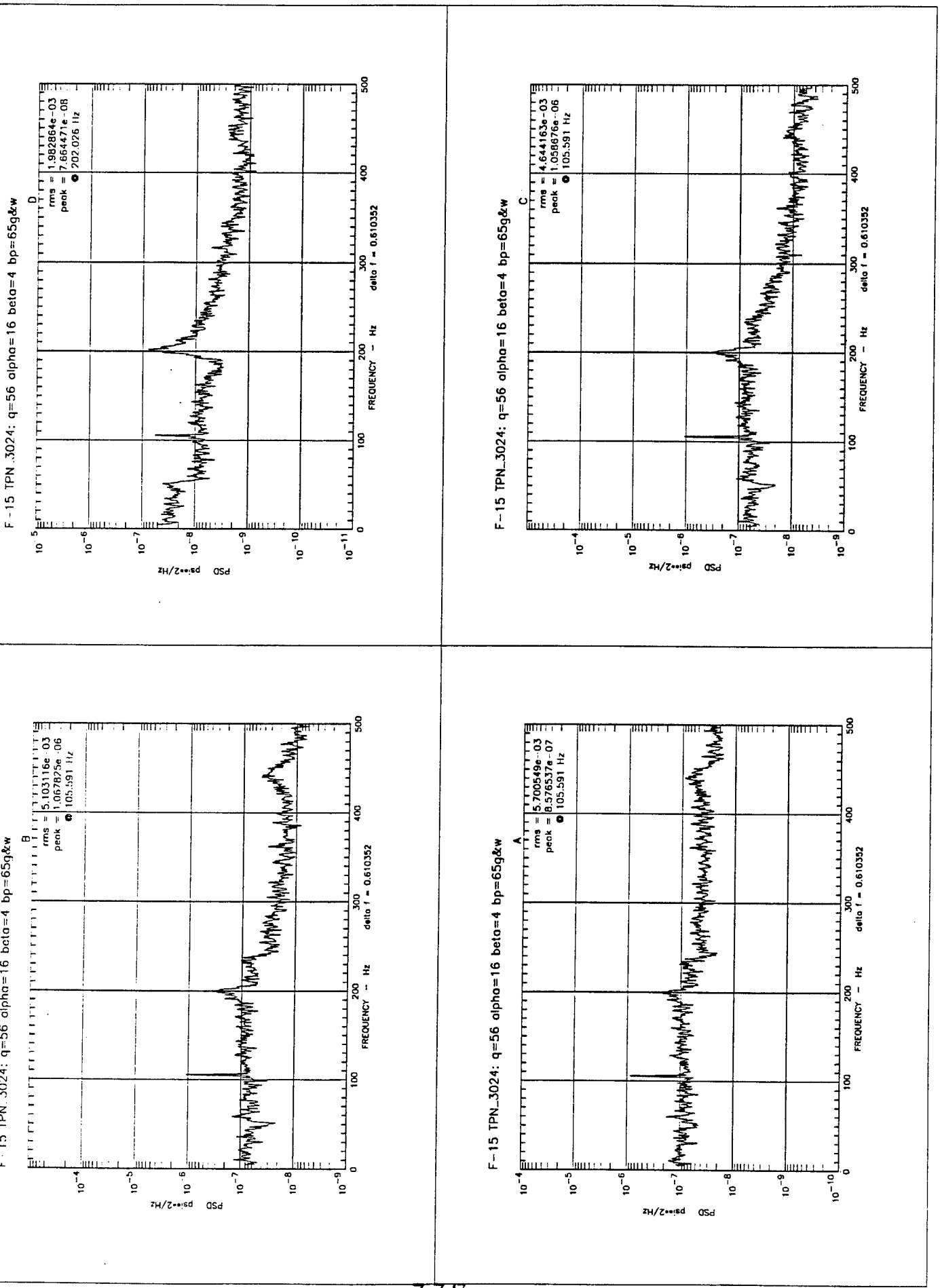


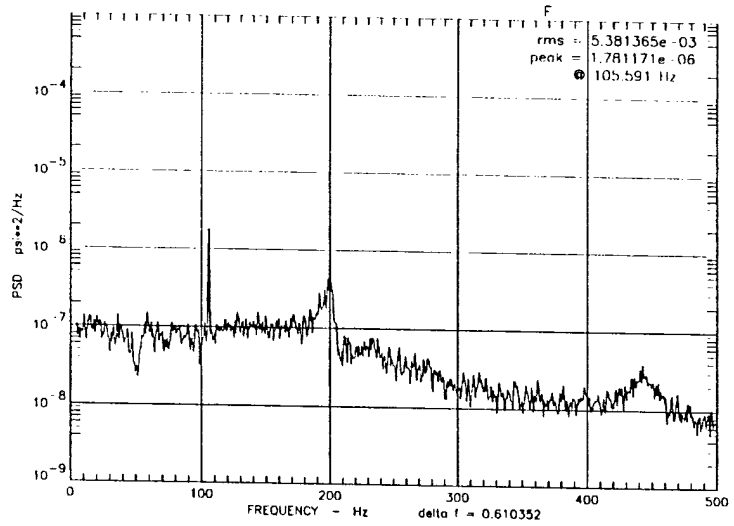
PRESSURE PSD's

Q=56 PSF

2.1.2.3 PSD GRAPHS(5- 500 Hz), GBP = 65 PSI, WBP = 65 PSI Beta = 0, +4, -4 Deg, Alpha = 8...32 Deg


F-15 TPN_3024: q=56 alpha=16 beta=4 bp=65g&w
D
rms = 1.982864e-03
peak = 7.664471e-08
@ 202.026 Hz
C
rms = 4.644163e-03
peak = 1.058676e-06
@ 105.591 Hz
B
rms = 5.103116e-03
peak = 1.067875e-06
@ 105.591 Hz
A
rms = 5.700549e-03
peak = 8.576537e-07
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

F-15 TPN_3024: q=56 alpha=16 beta=4 bp=65g&w



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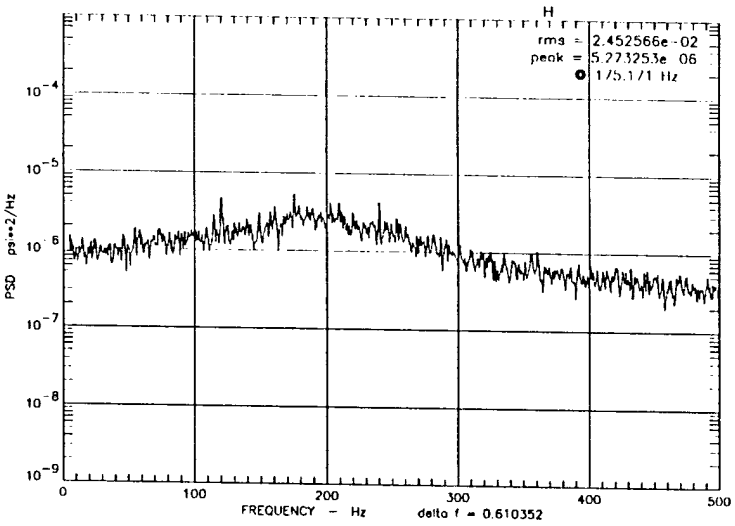

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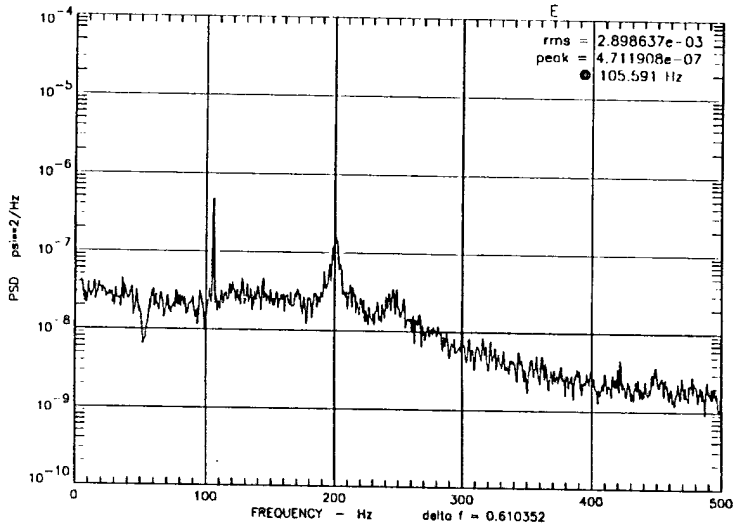

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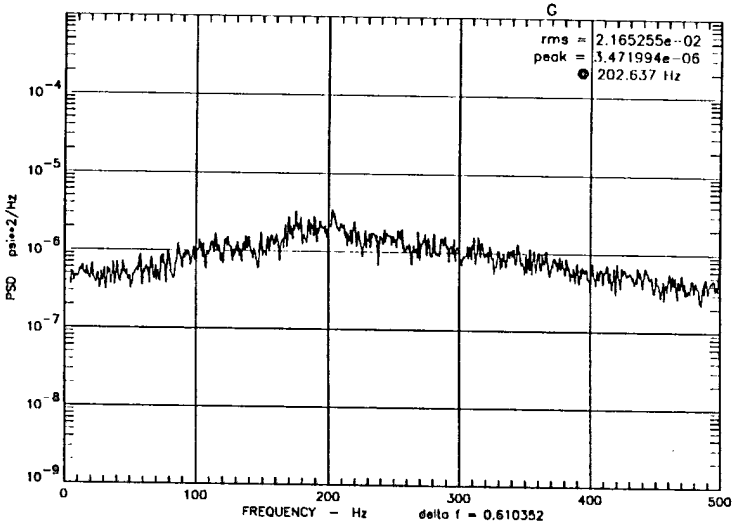

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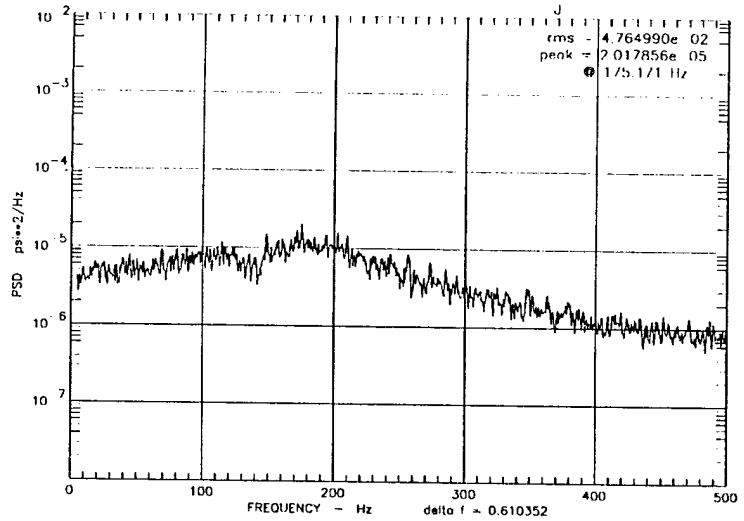
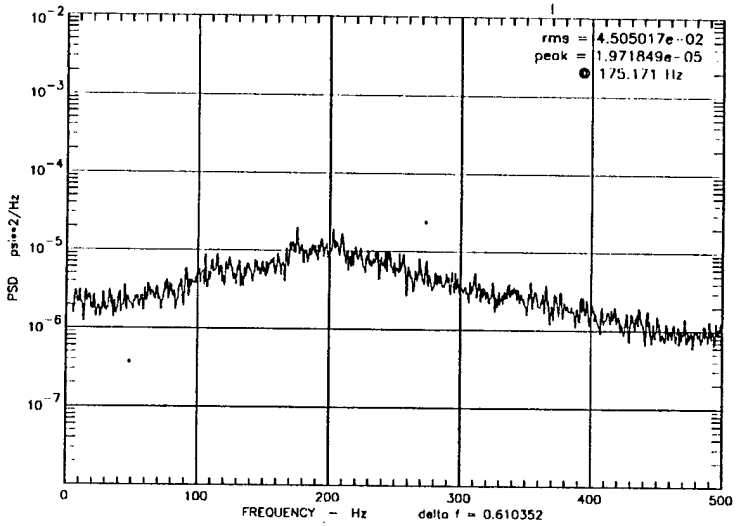


F-15 TPN_3024: q=56 alpha=16 beta=4 bp=65g&w



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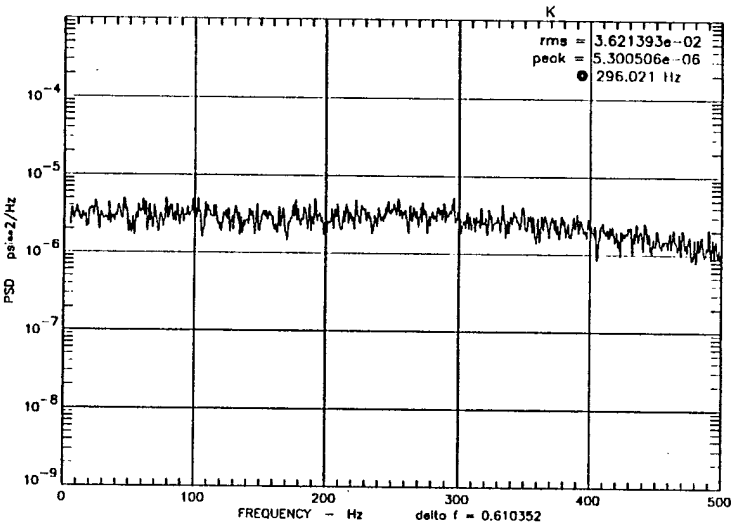

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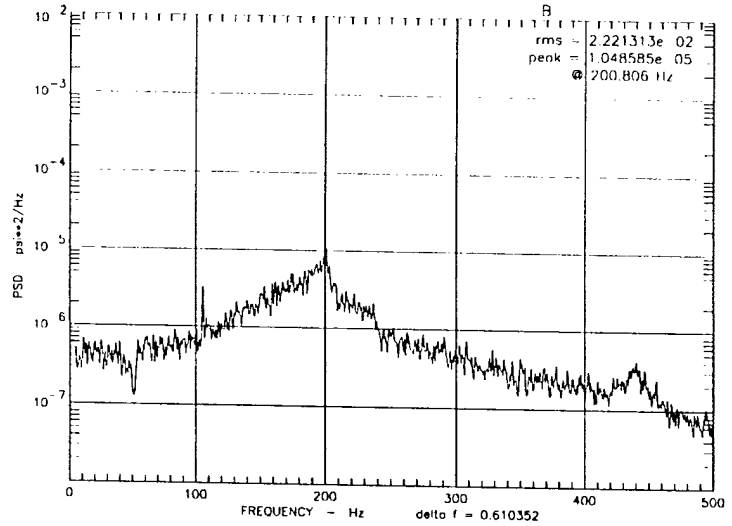

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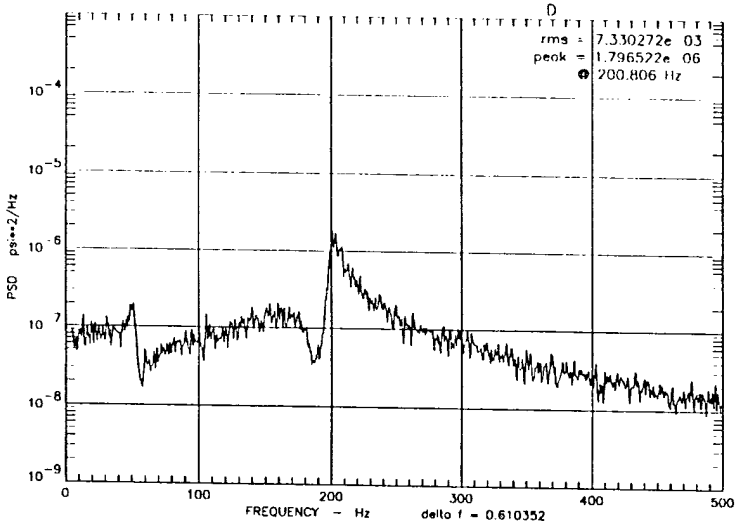

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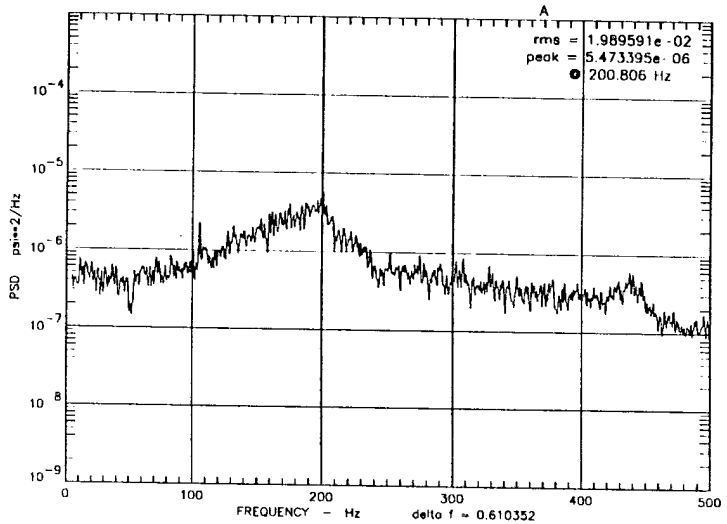

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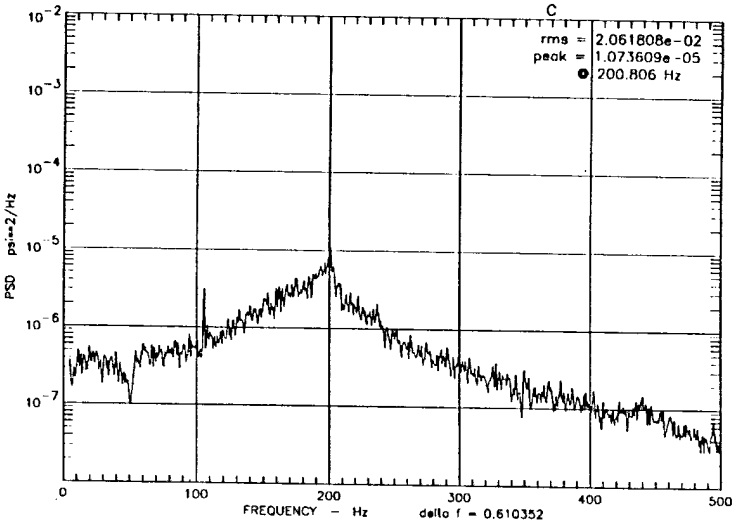

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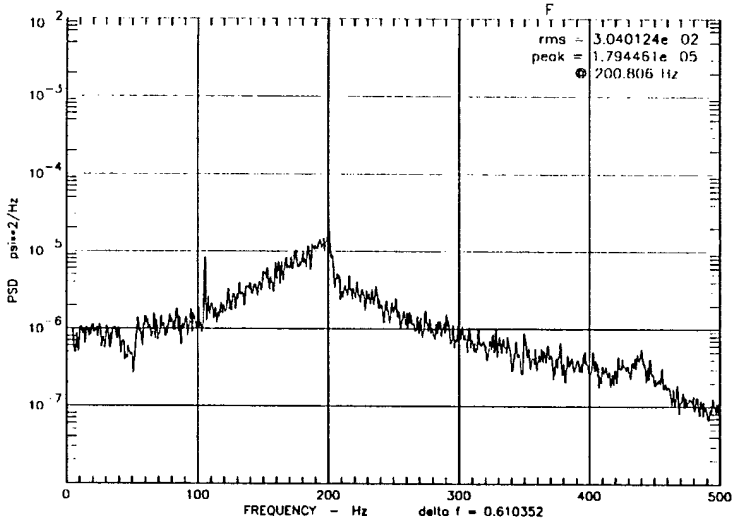

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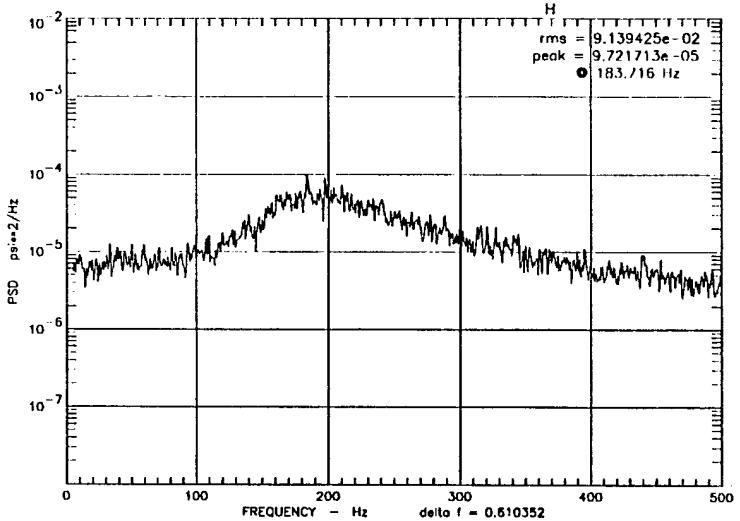

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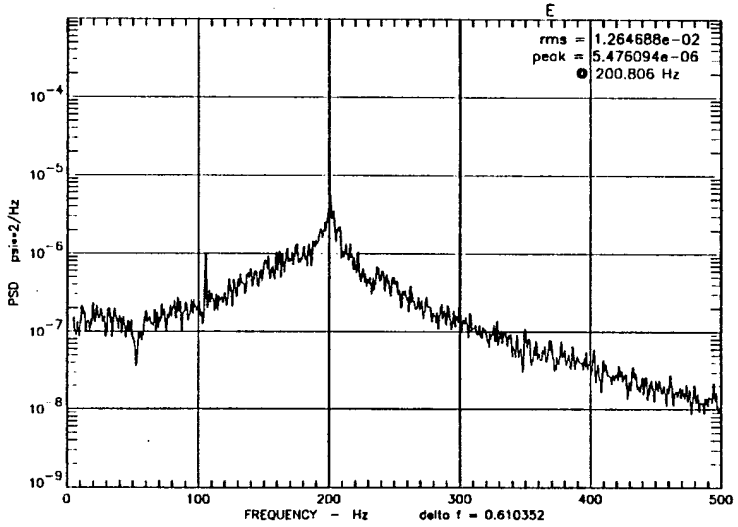

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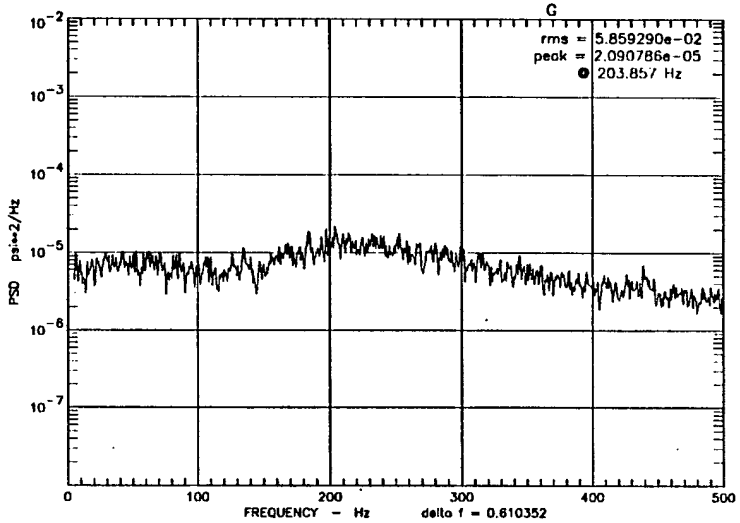

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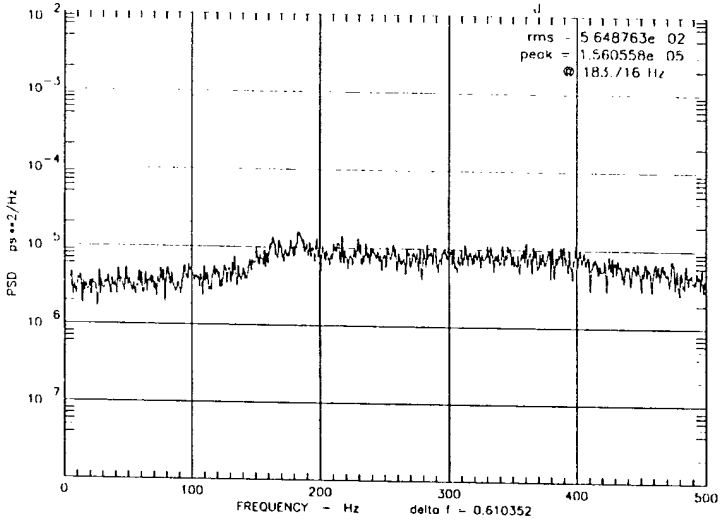

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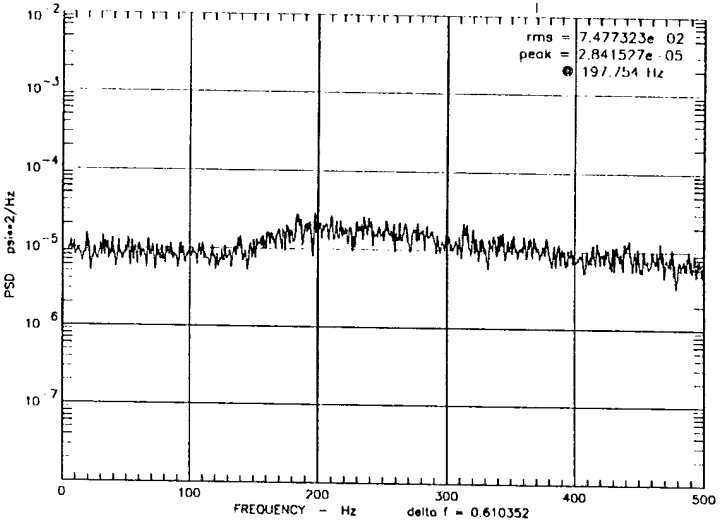

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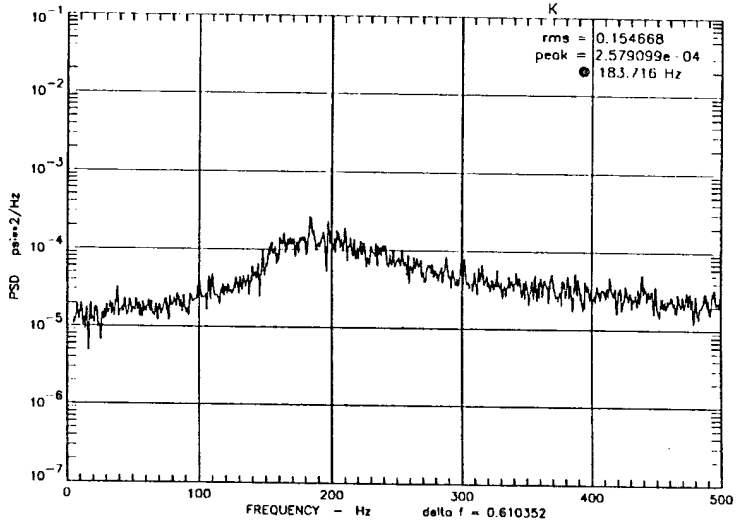

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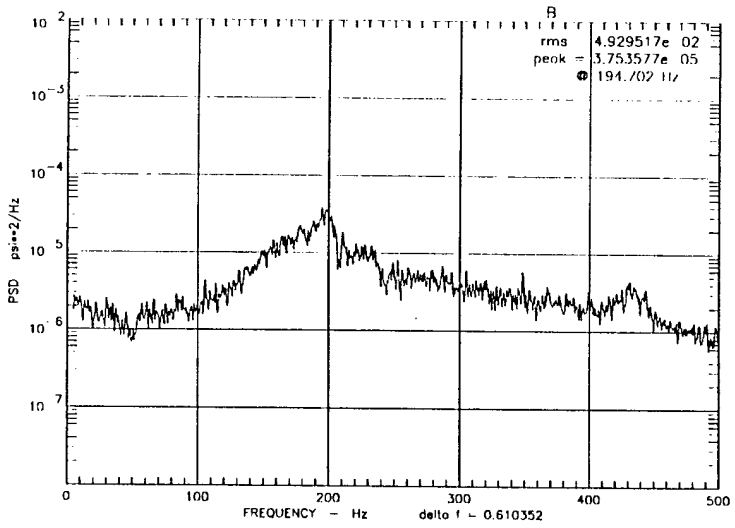

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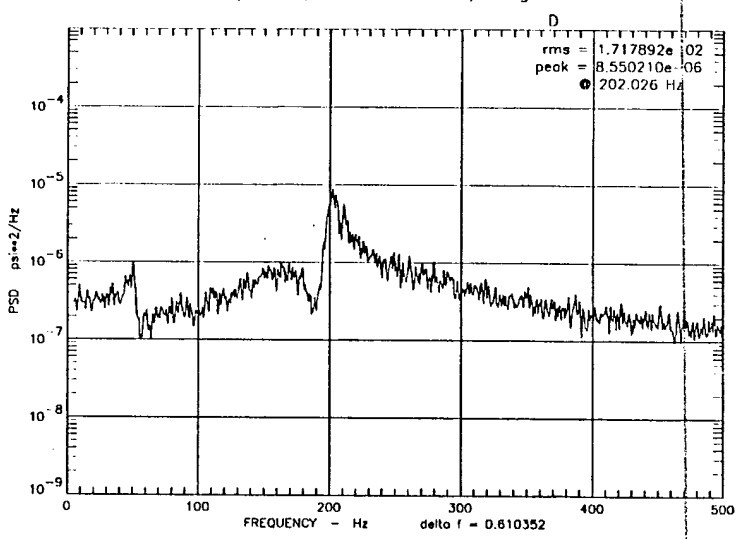

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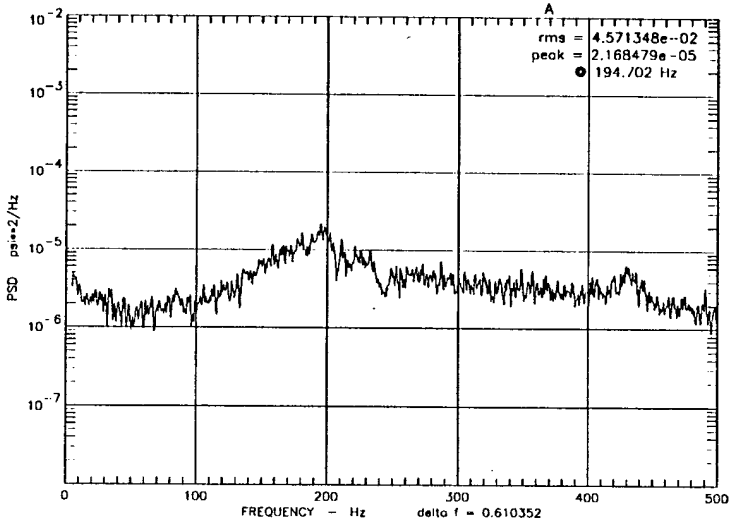

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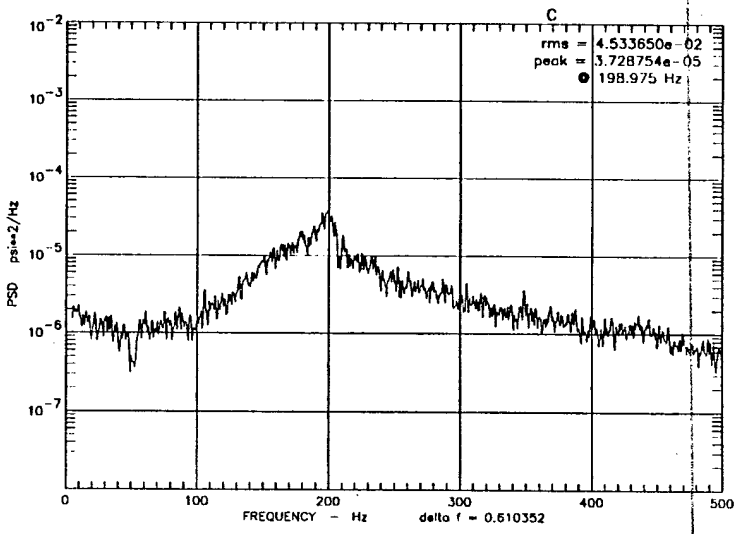

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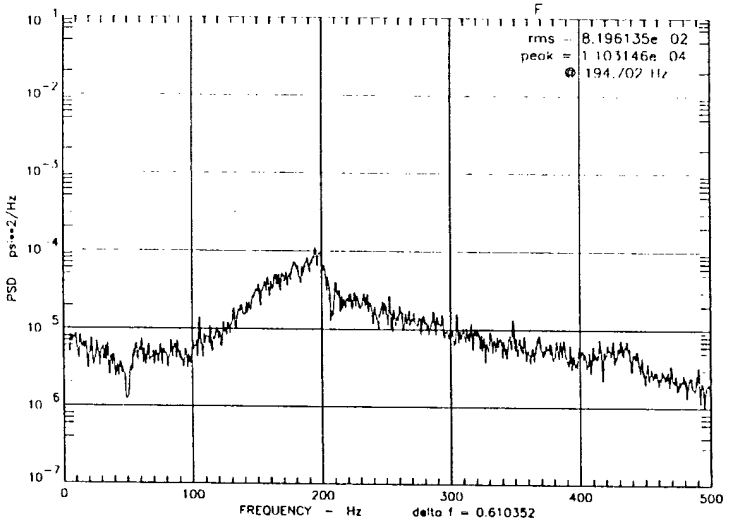

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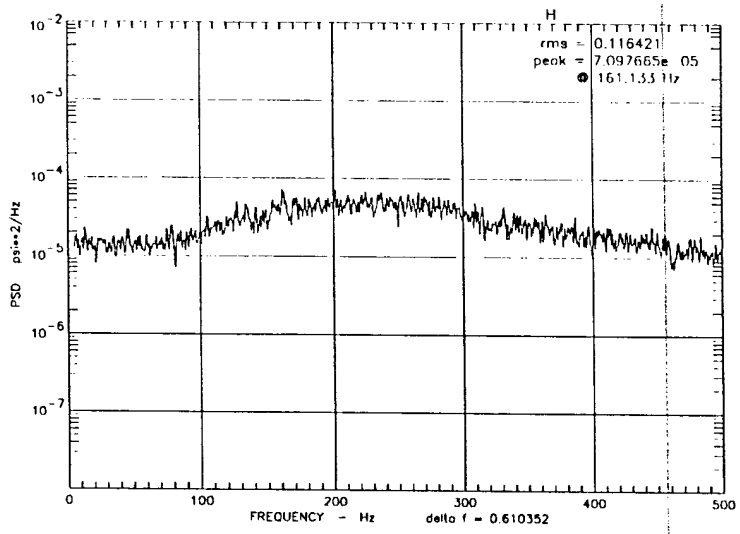

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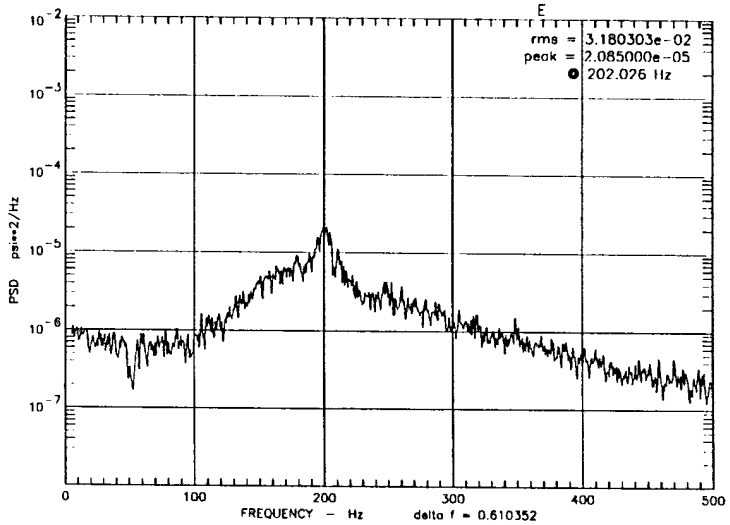

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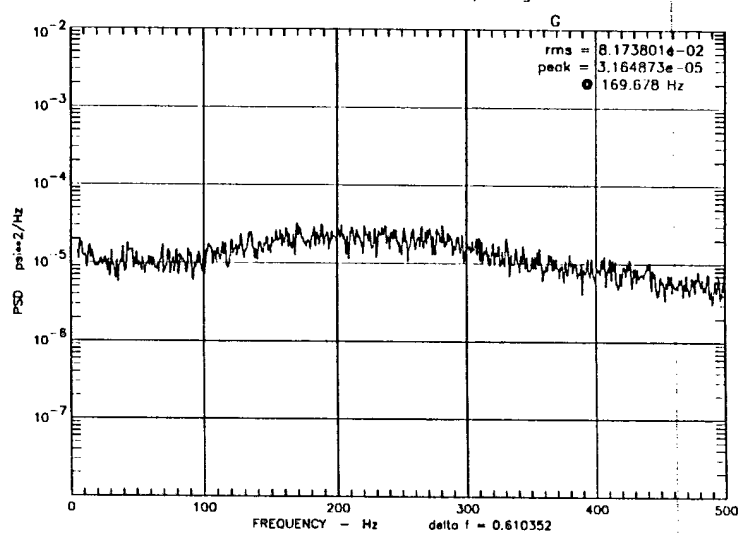

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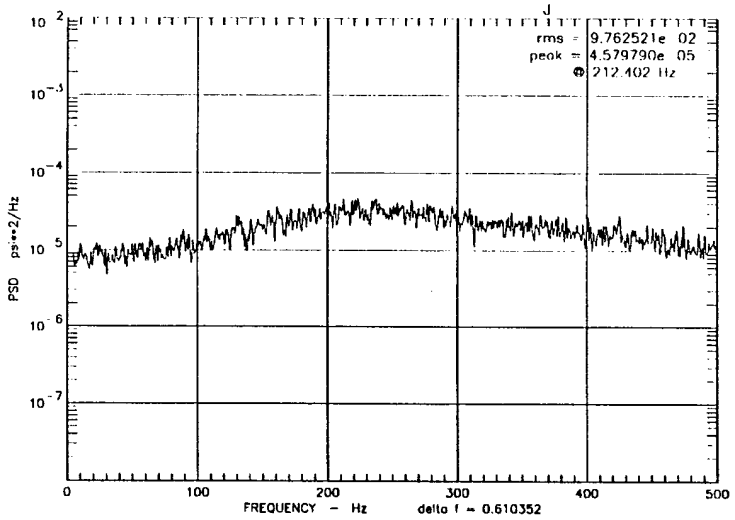

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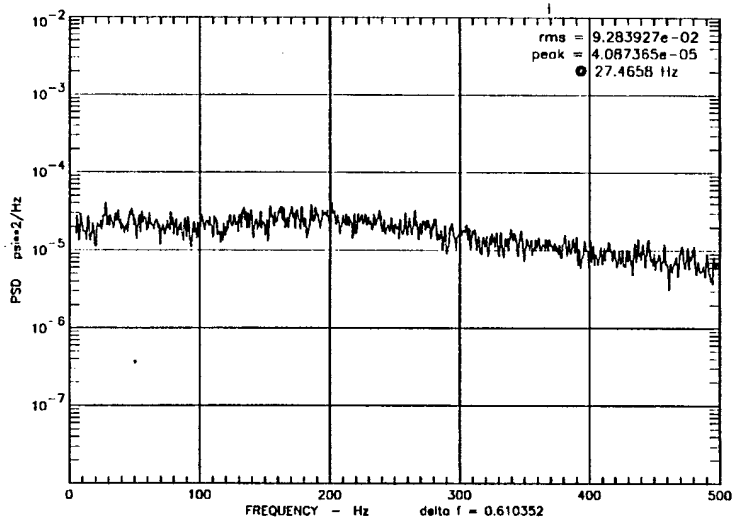

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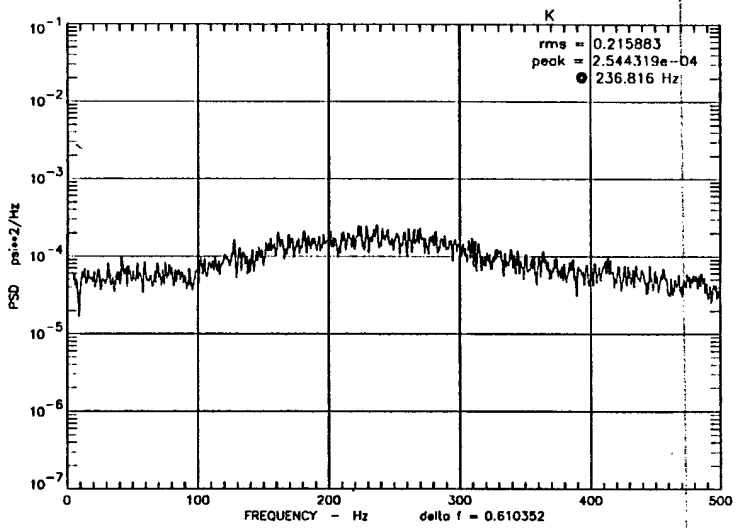

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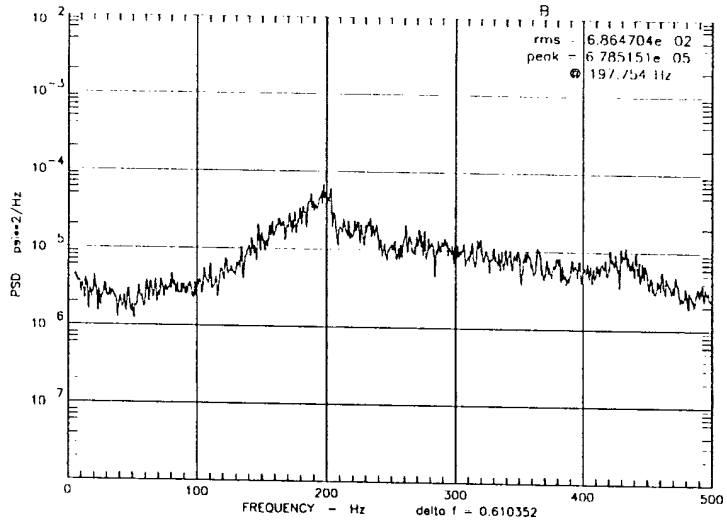

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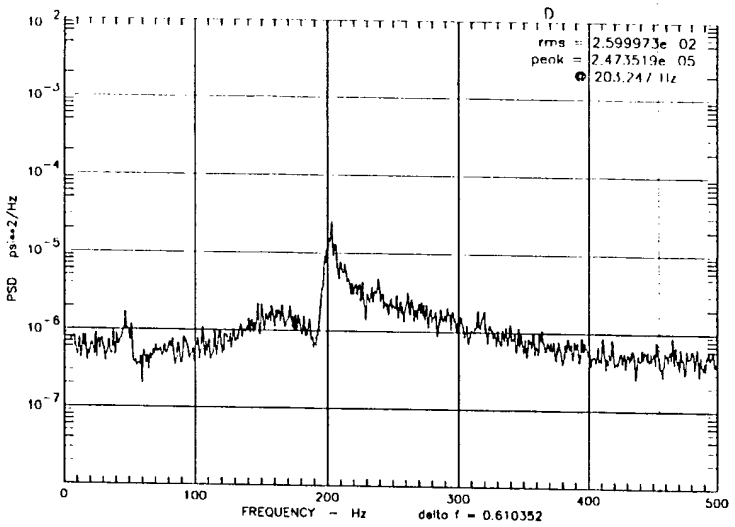

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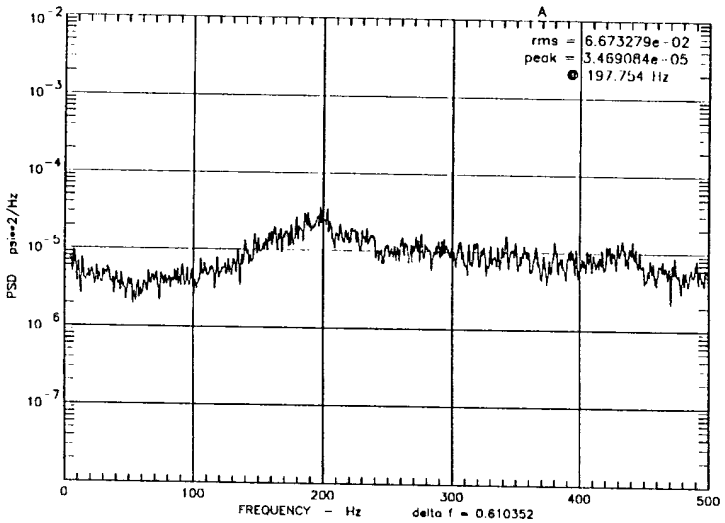

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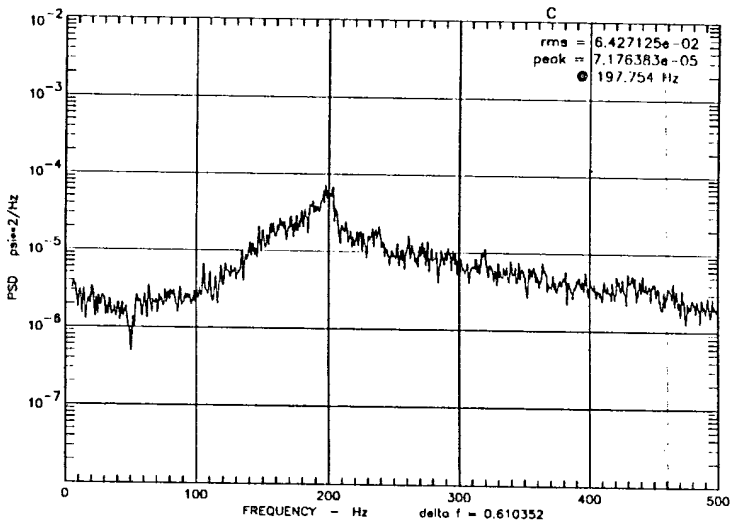

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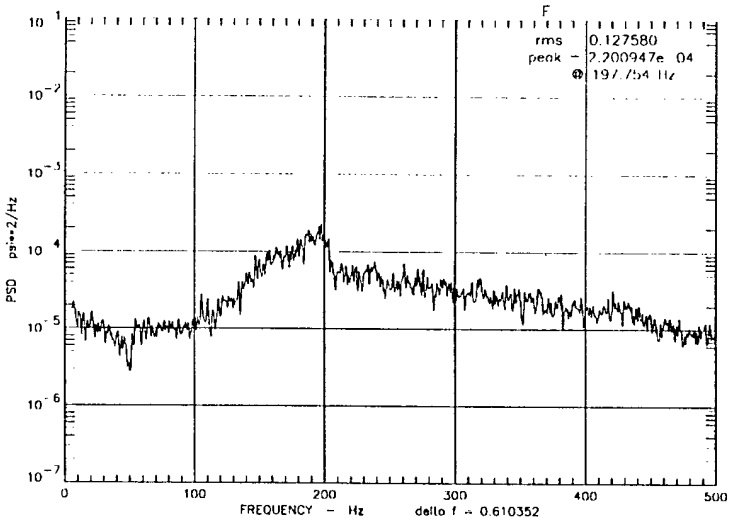

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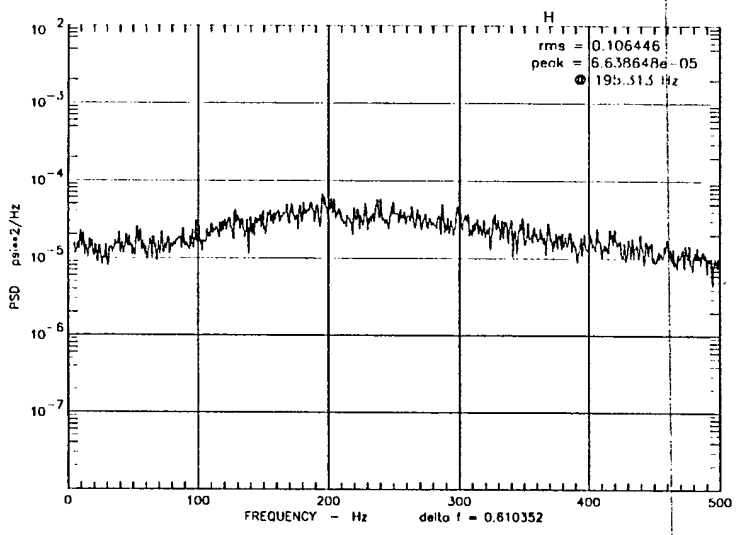

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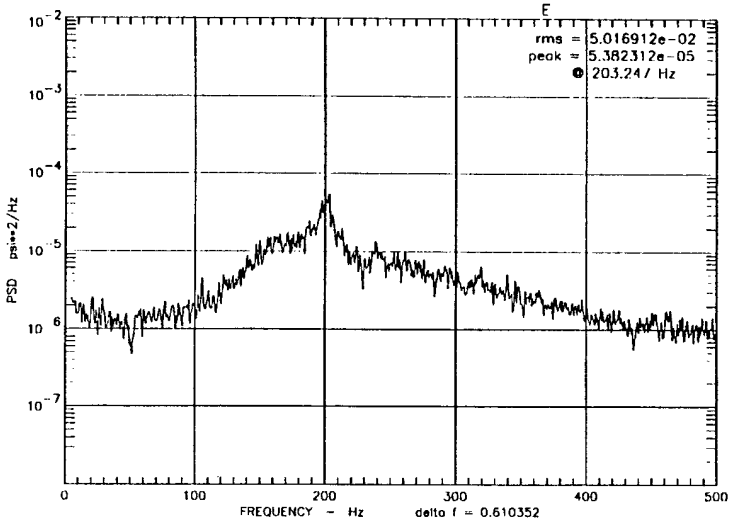

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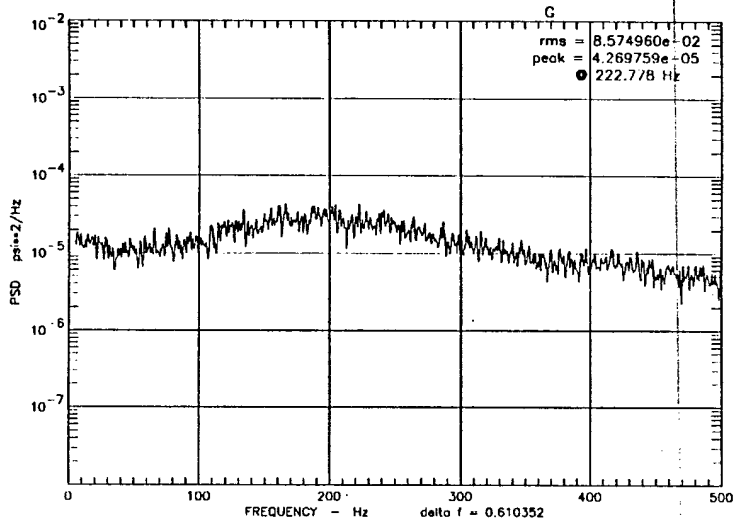

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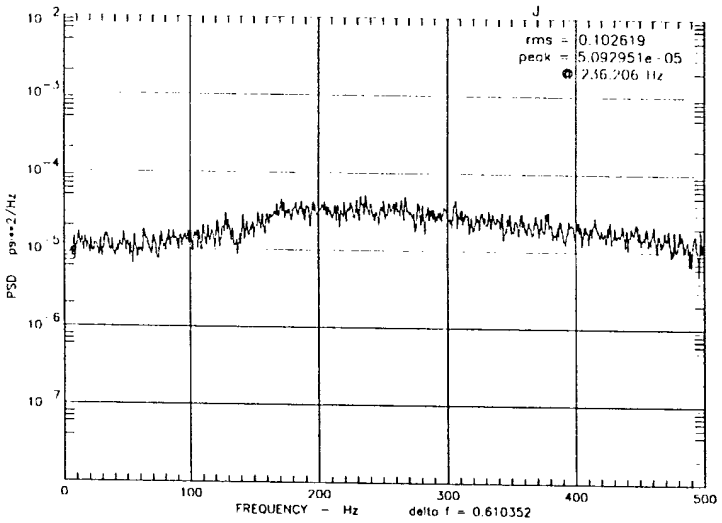

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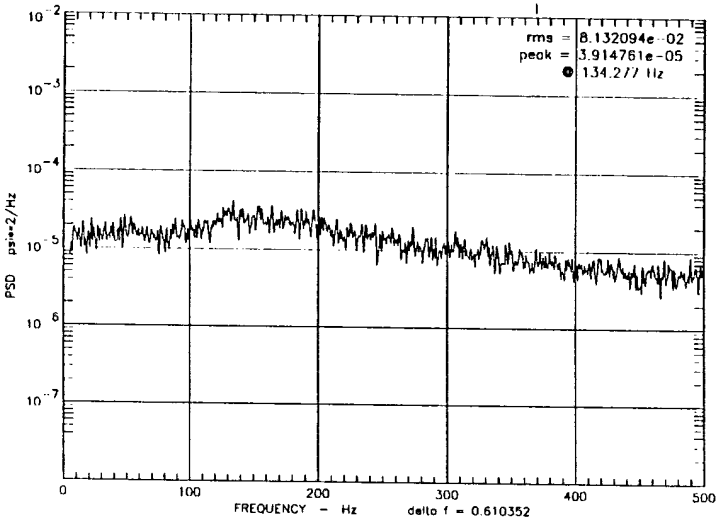

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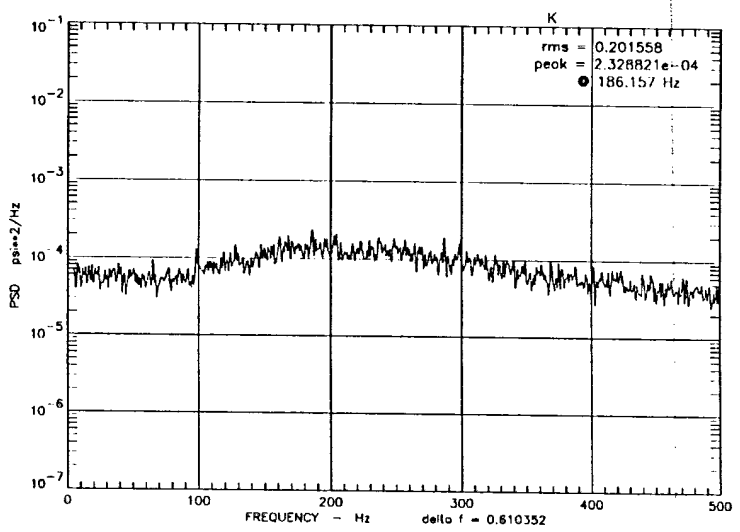

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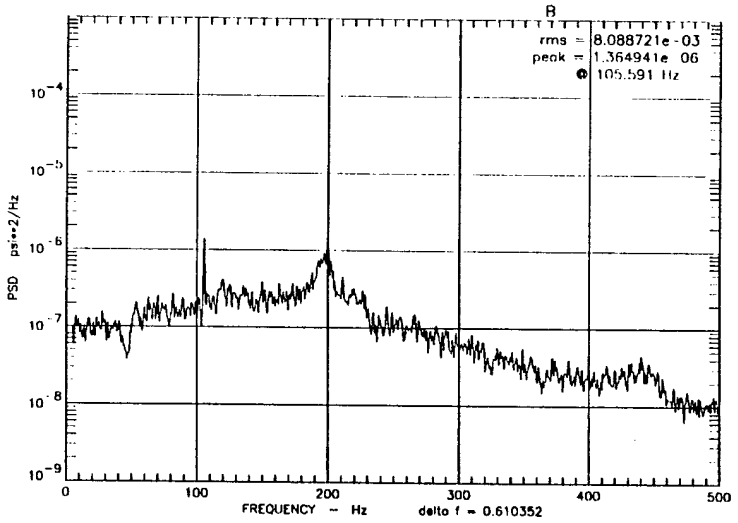

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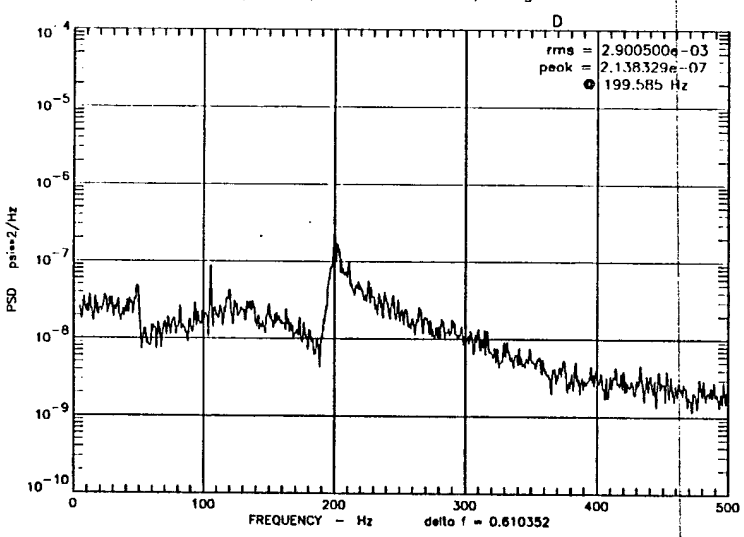

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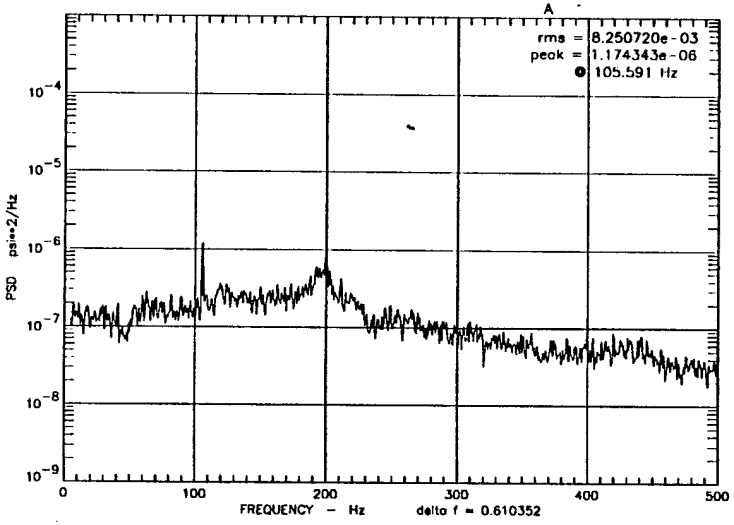

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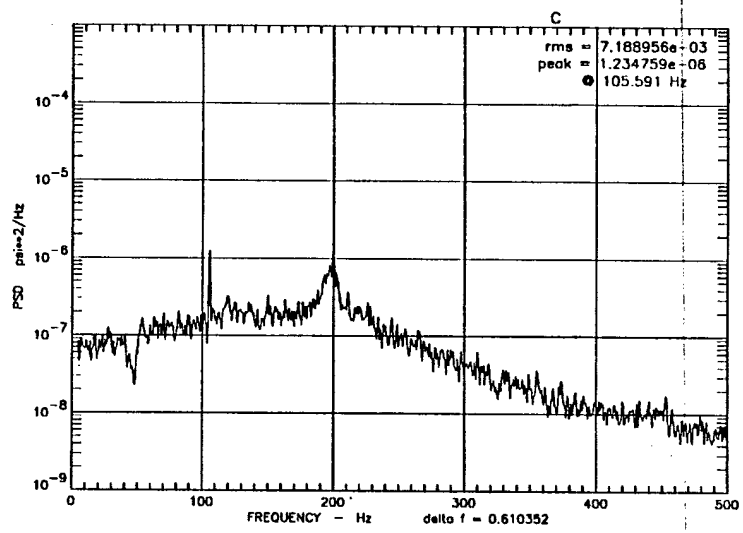

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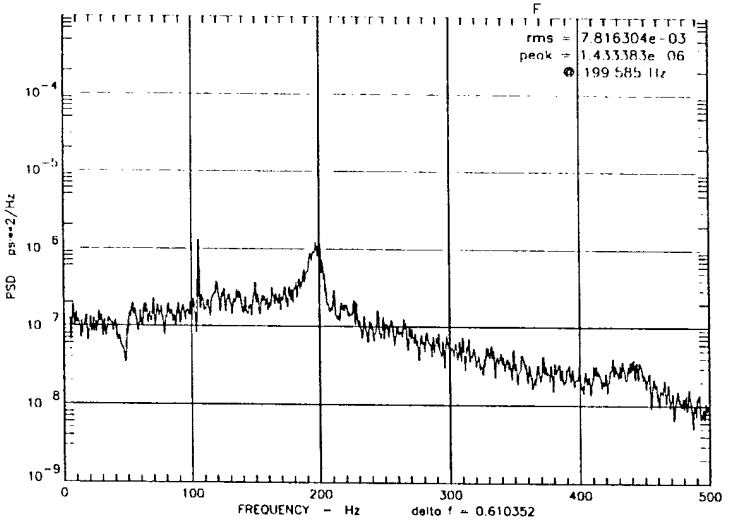

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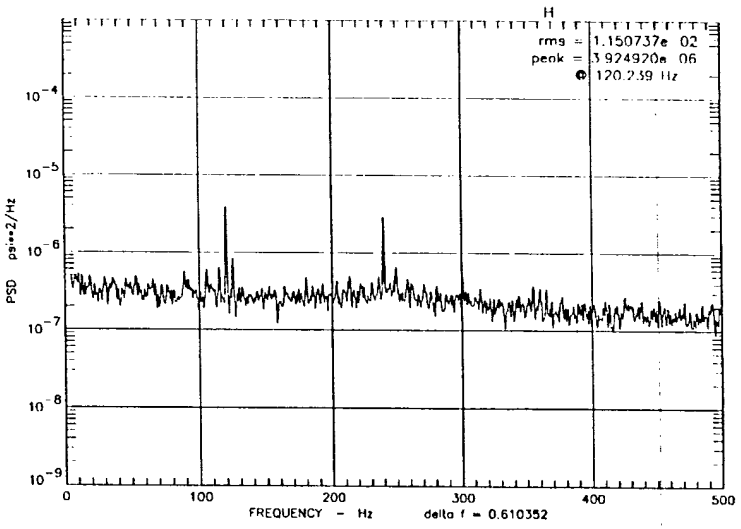

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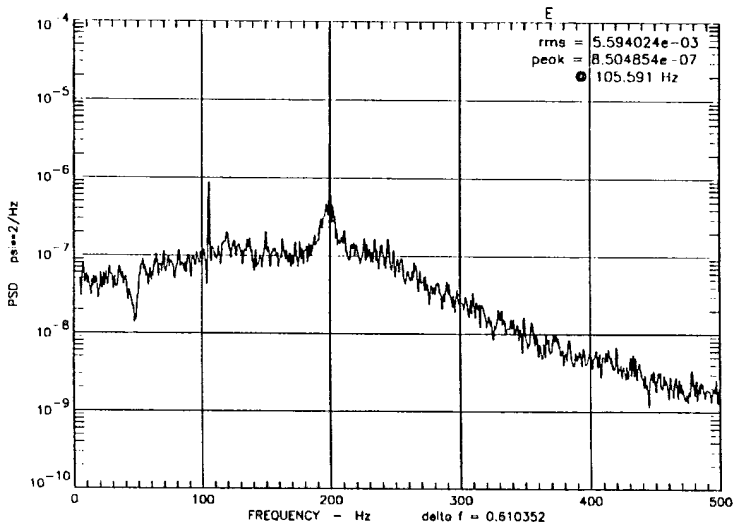

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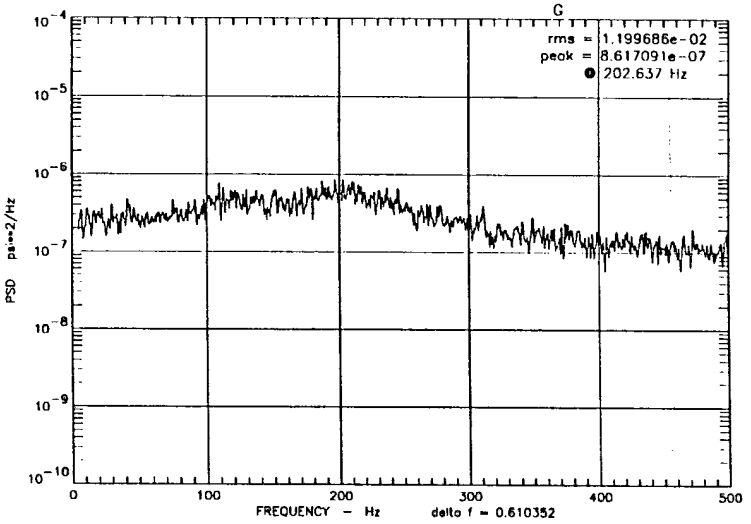

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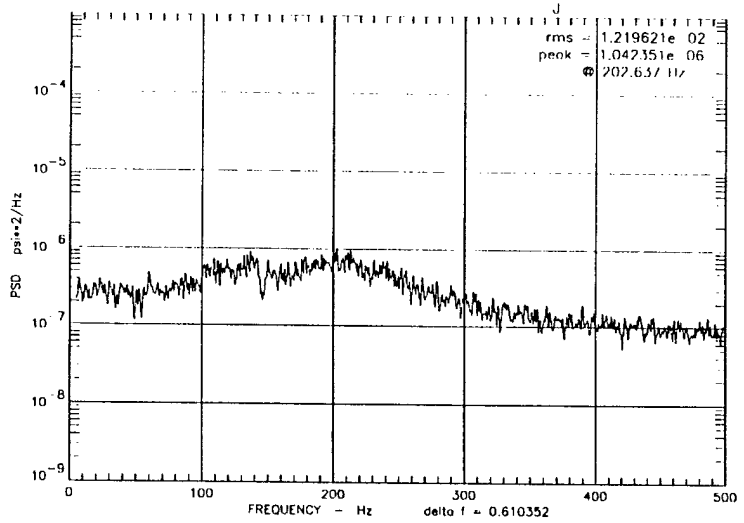

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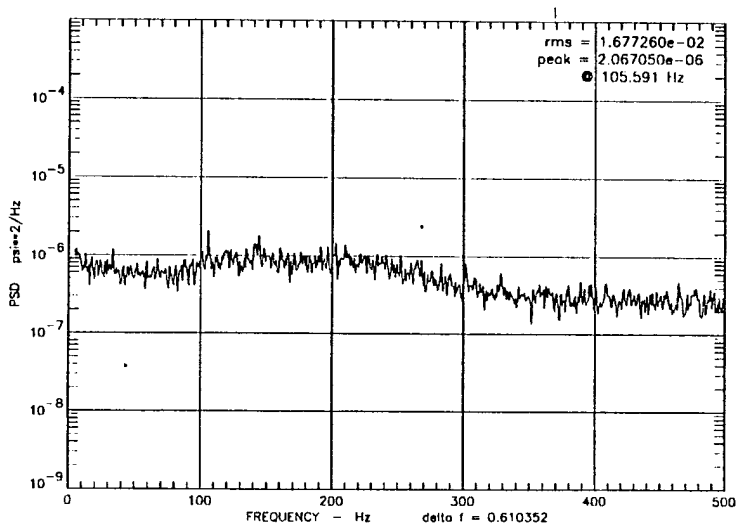

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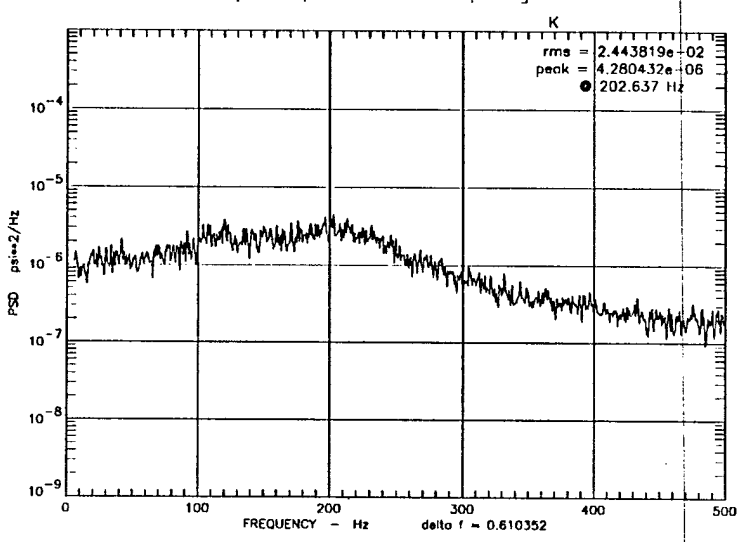

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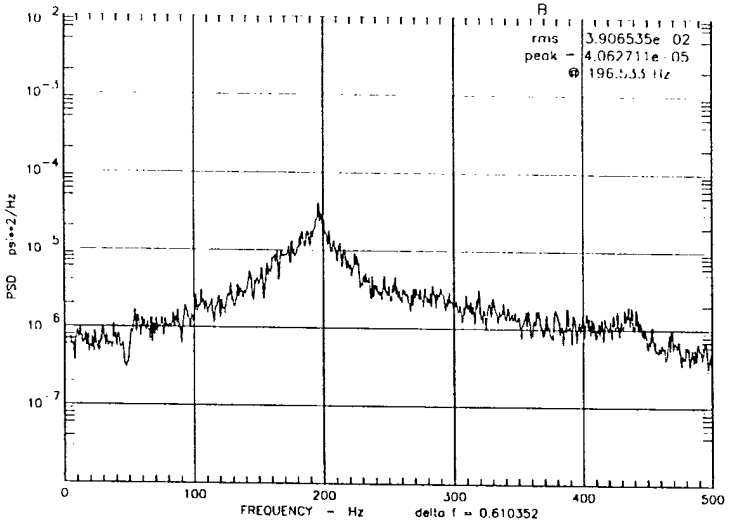

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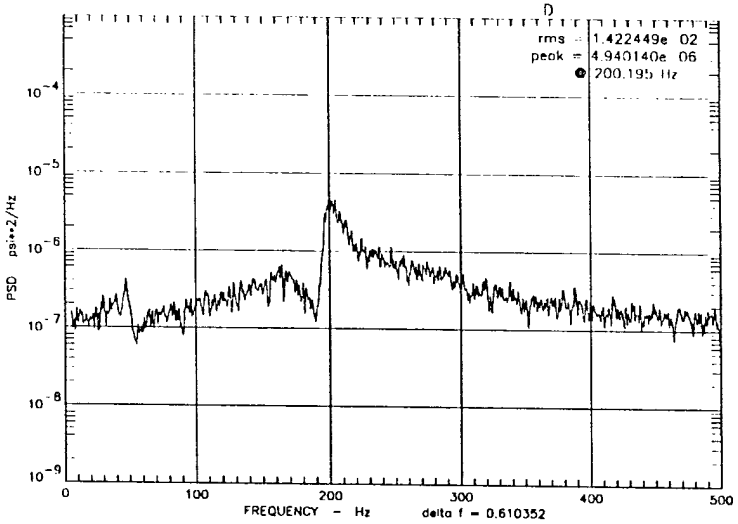

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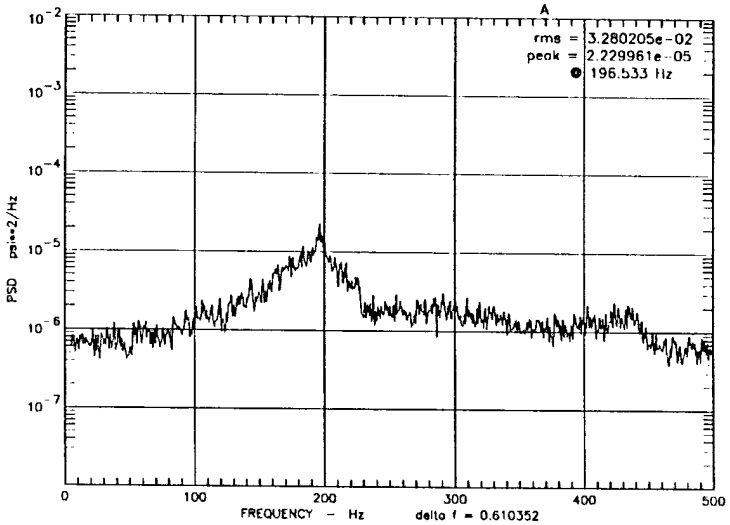

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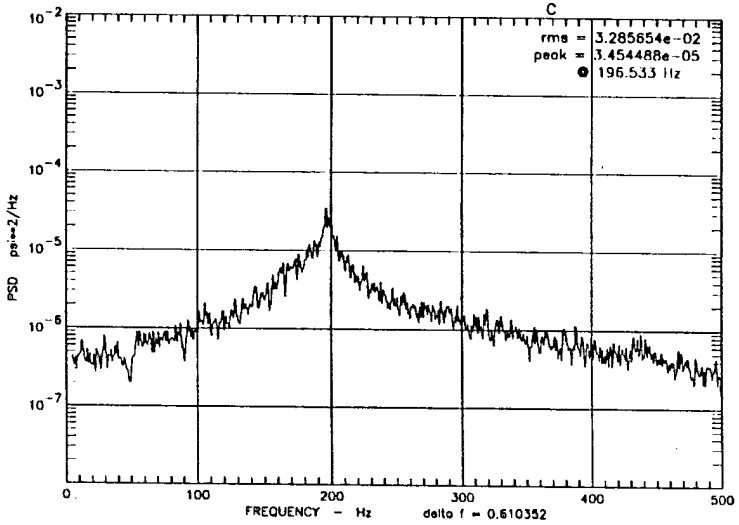

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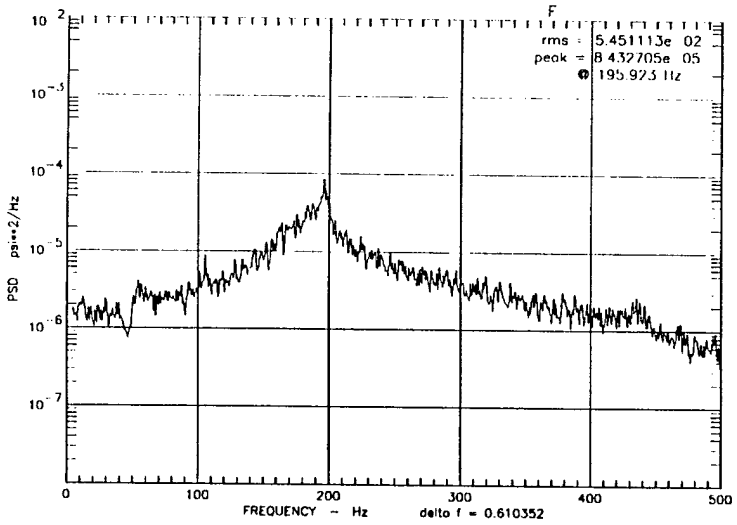

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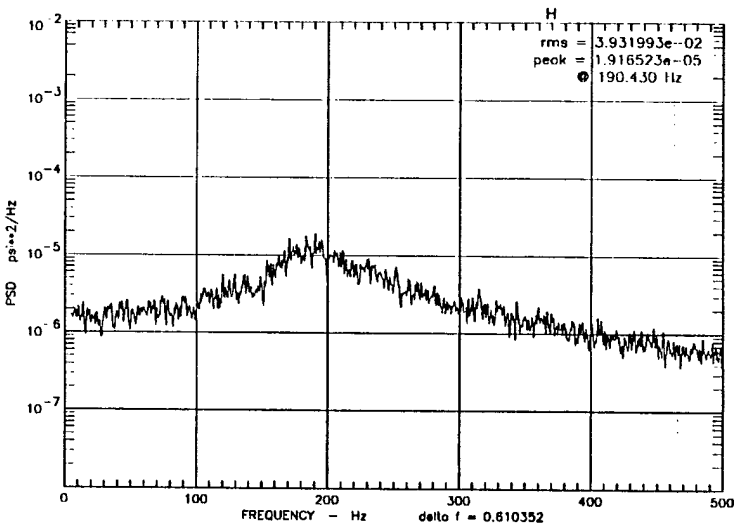

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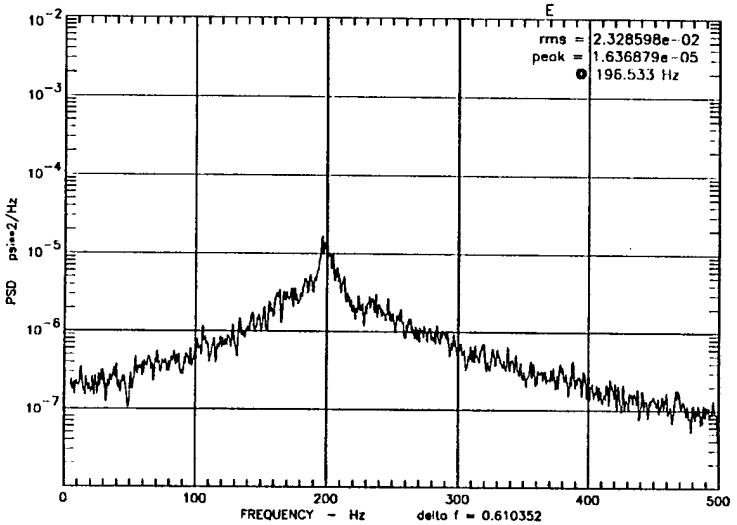

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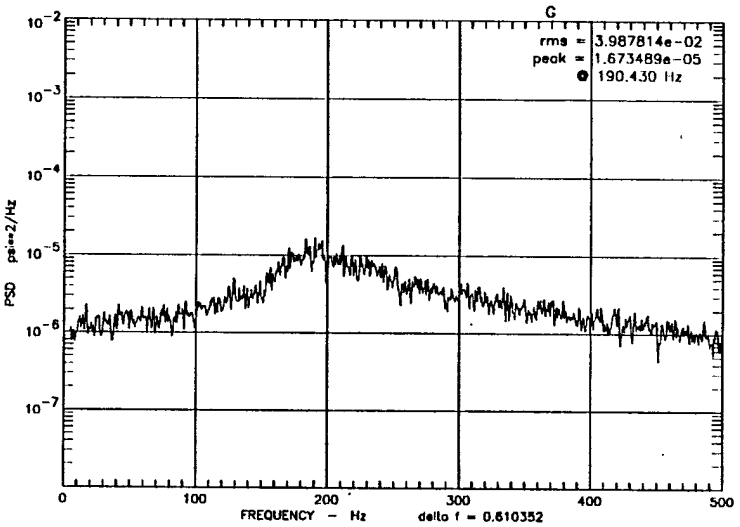

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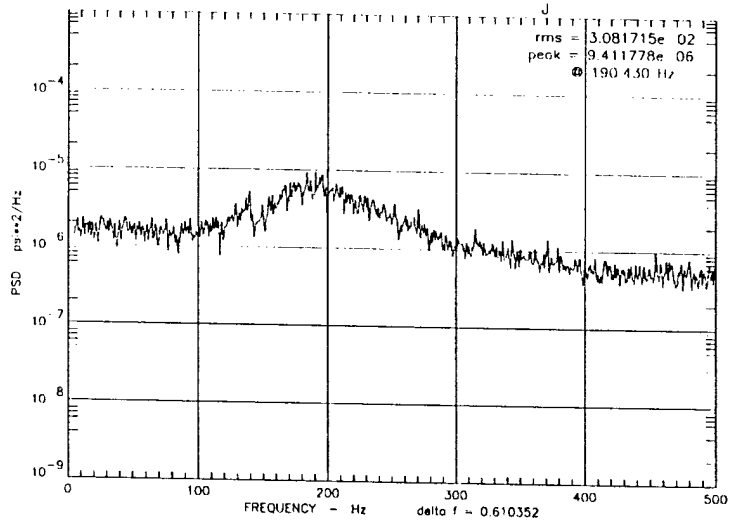

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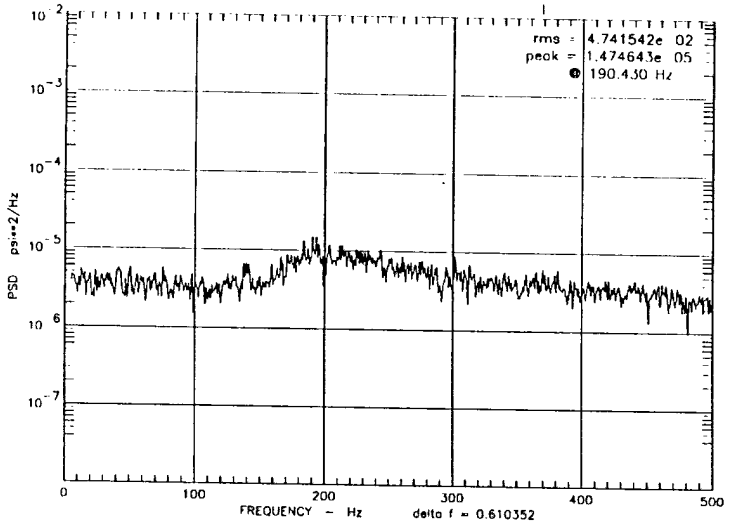

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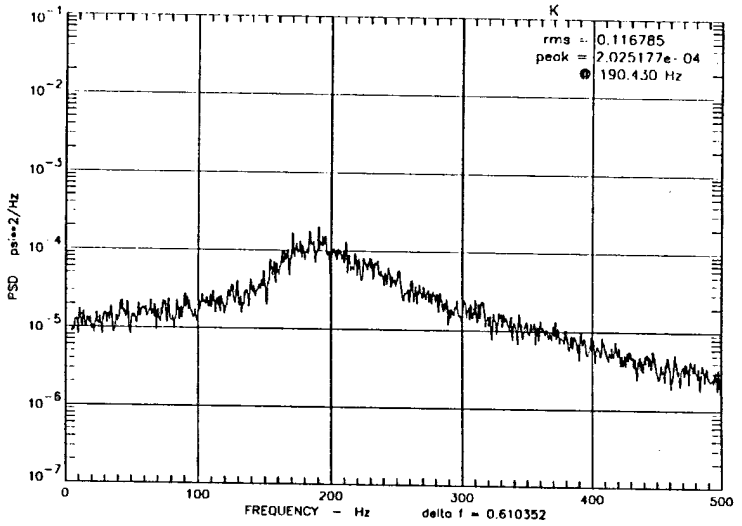
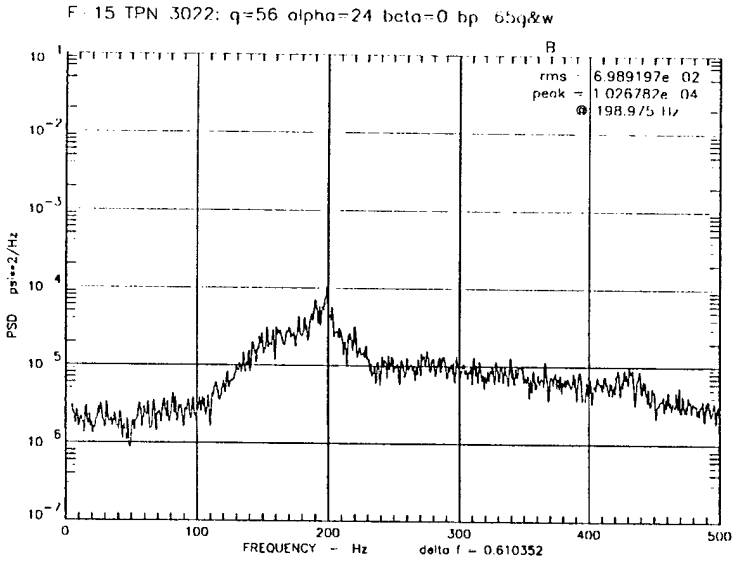
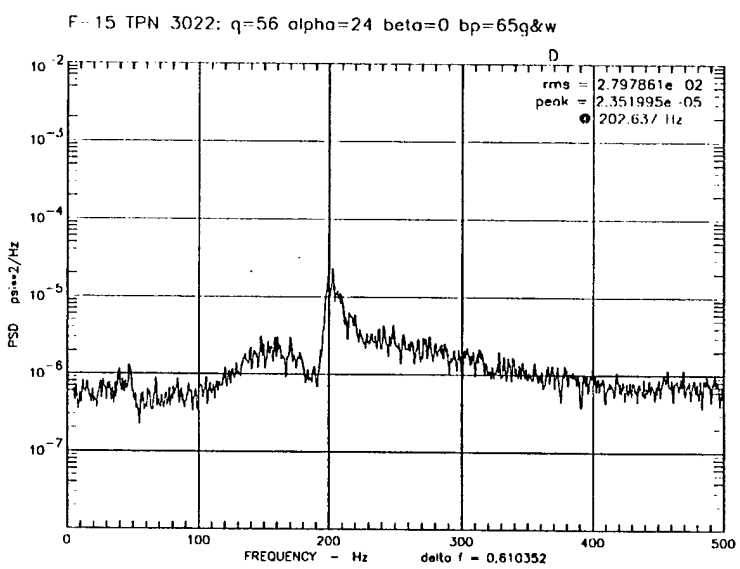
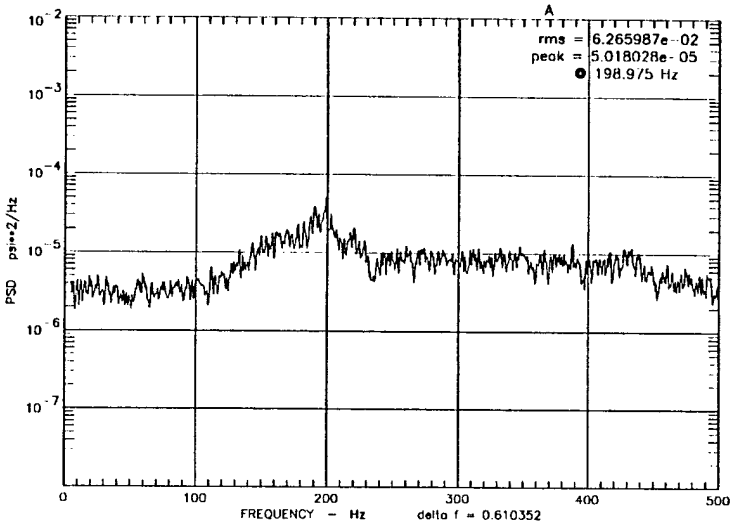
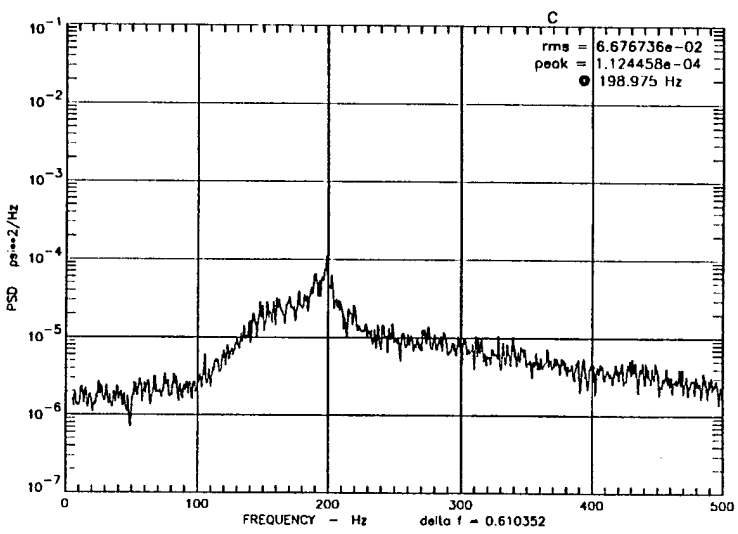


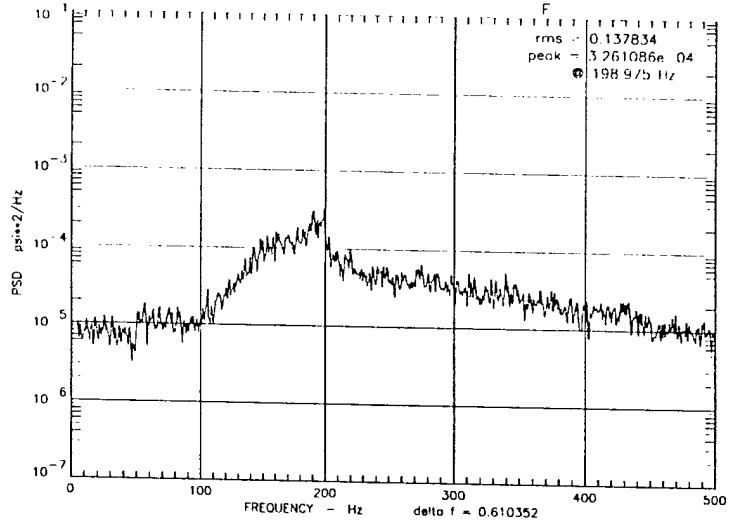

F-15 TPN 3022: q=56 alpha=24 beta=0 bp 65g&w
B
rms = 6.989197e 02
peak = 1.026782e 04
@ 198.975 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN 3022: q=56 alpha=24 beta=0 bp=65g&w
D
rms = 2.797861e 02
peak = 2.351995e -05
@ 202.637 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3022: q=56 alpha=24 beta=0 bp=65g&w
A
rms = 6.265987e-02
peak = 5.018028e-05
@ 198.975 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3022: q=56 alpha=24 beta=0 bp=65g&w
C
rms = 6.676736e-02
peak = 1.124458e-04
@ 198.975 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

F 15 TPN_3022: q=56 alpha=24 beta=0 bp=65g&w



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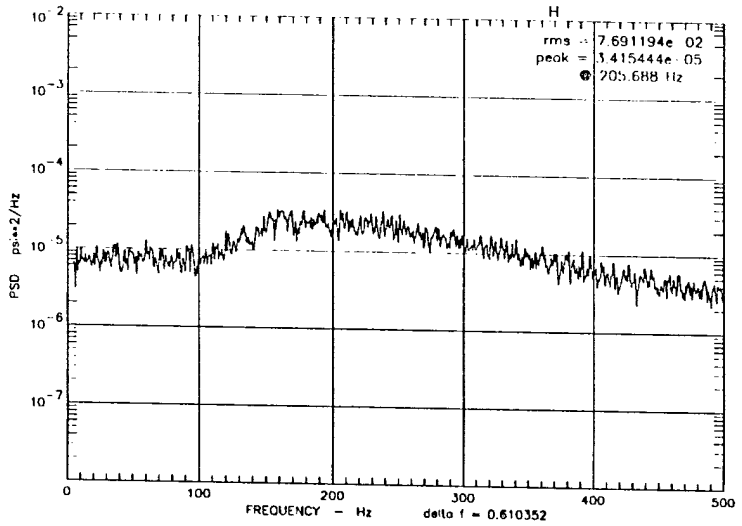

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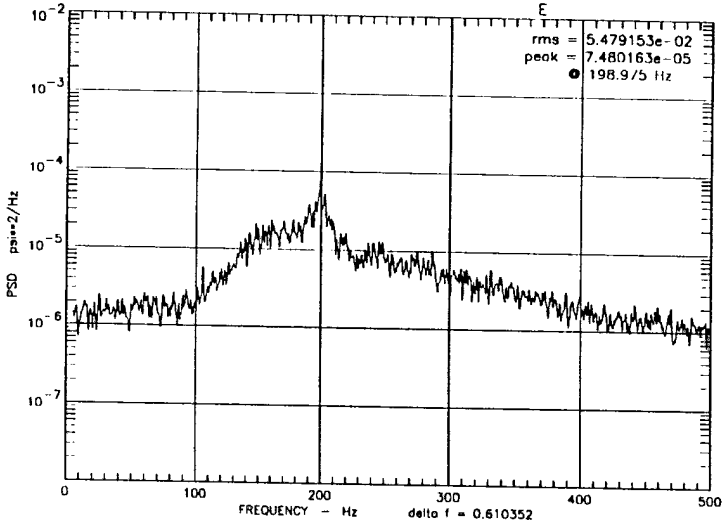

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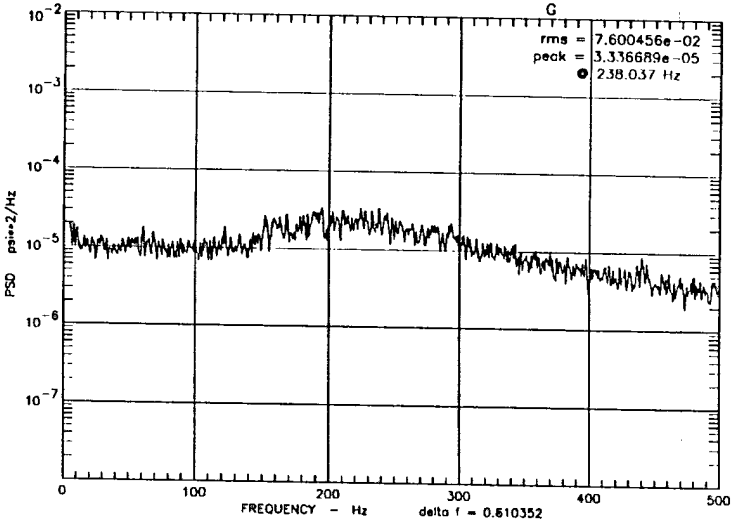

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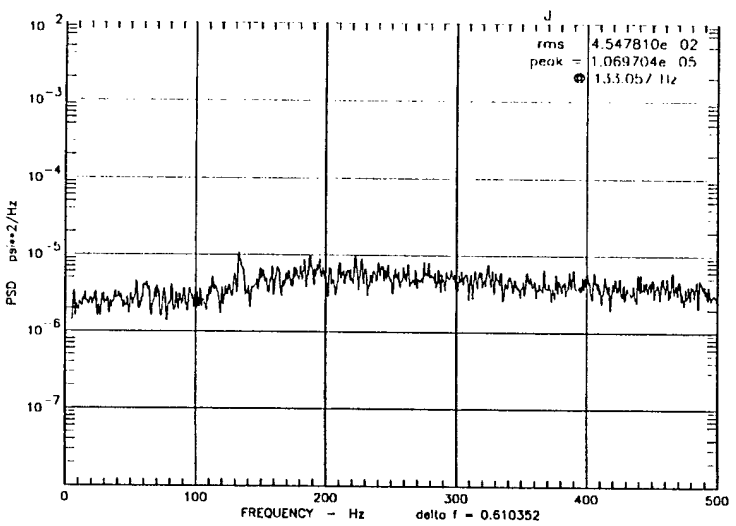

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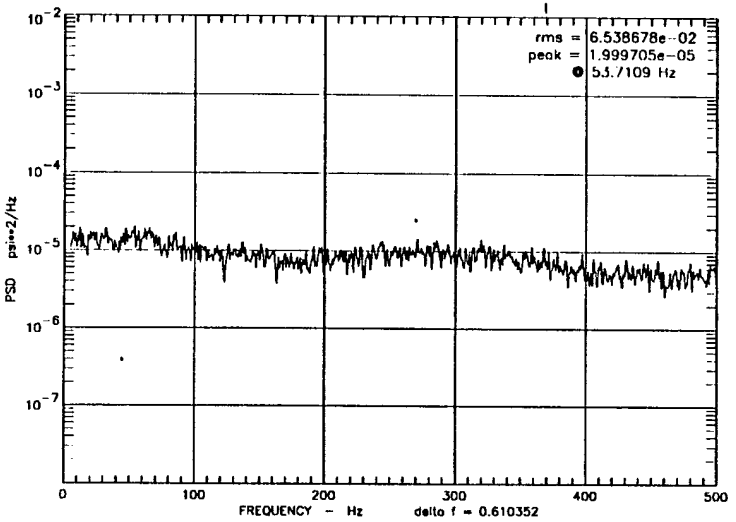

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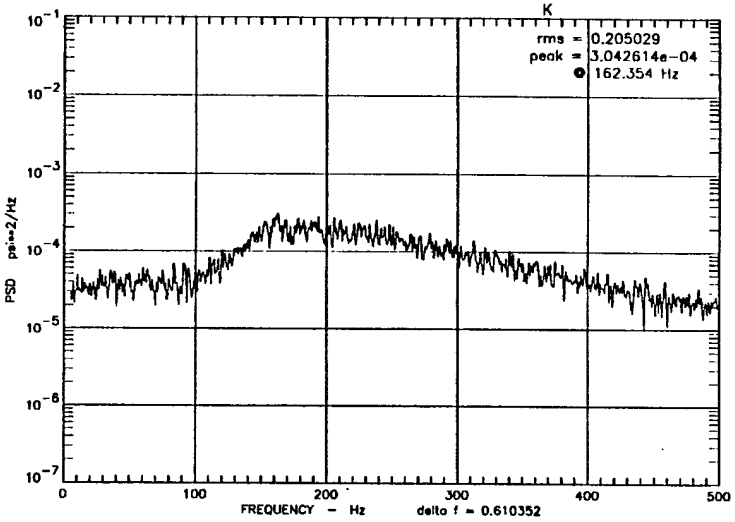

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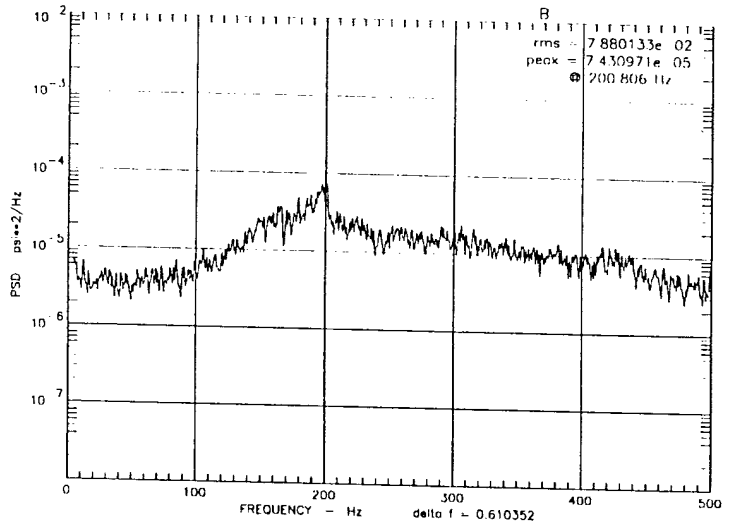

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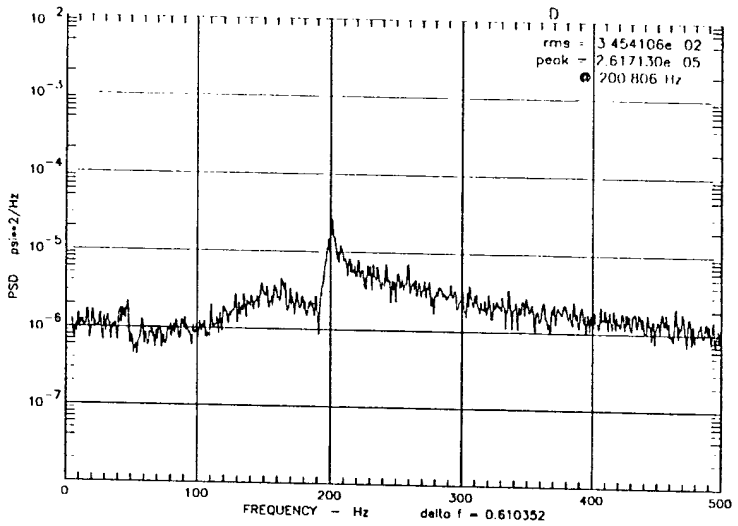

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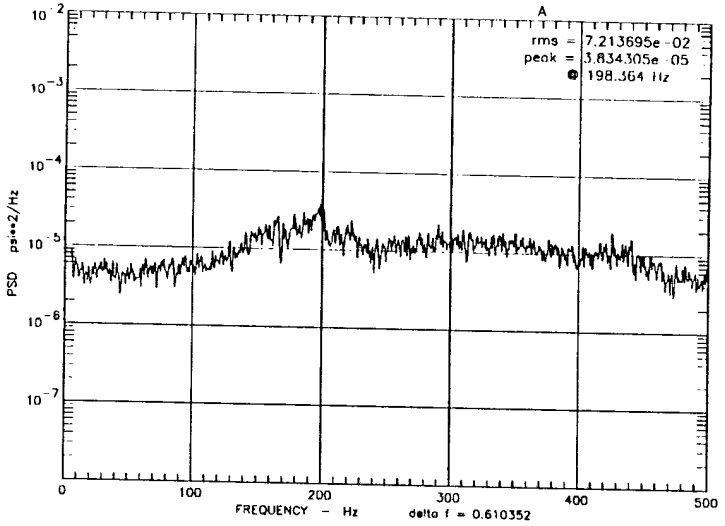

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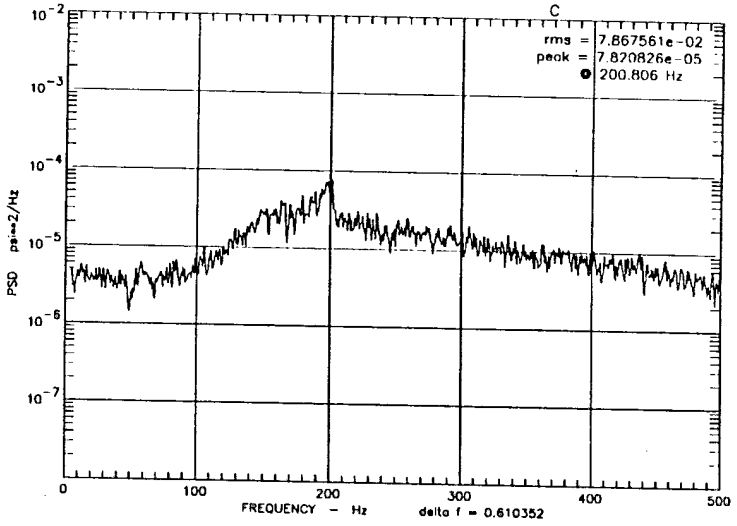

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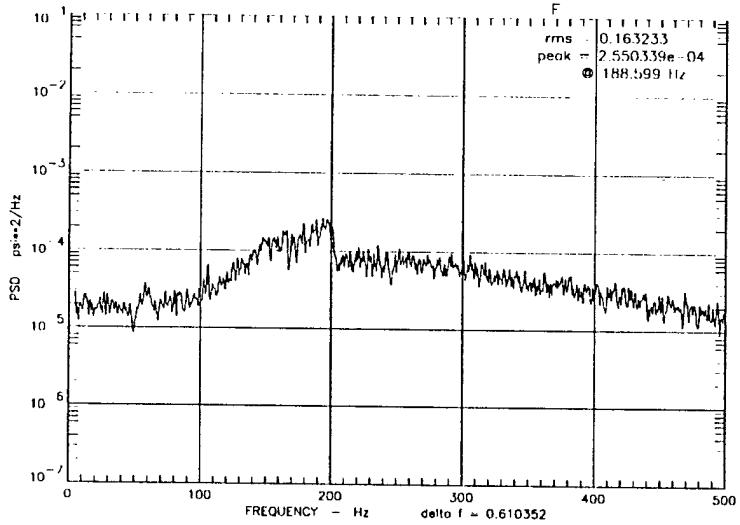

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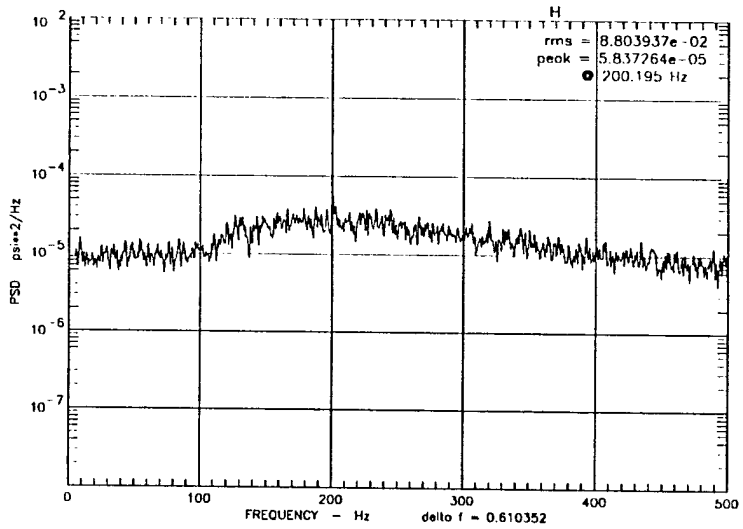

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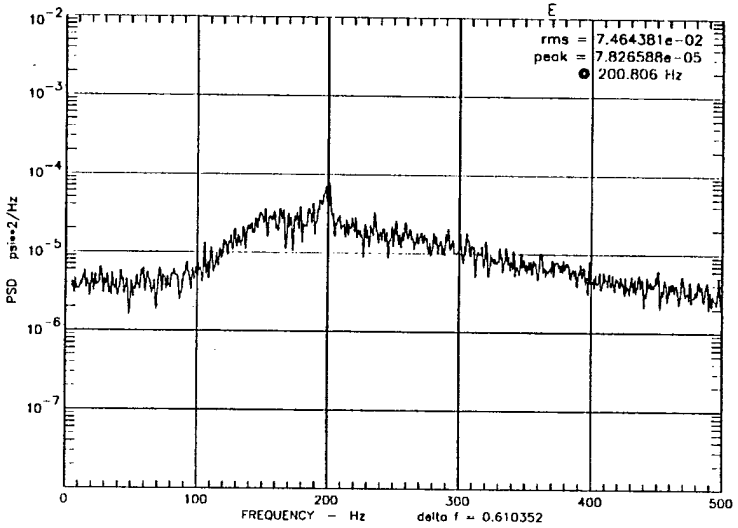

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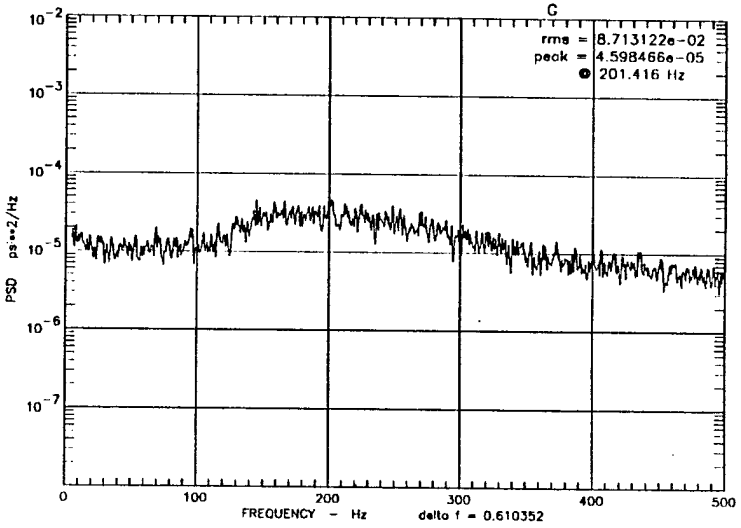

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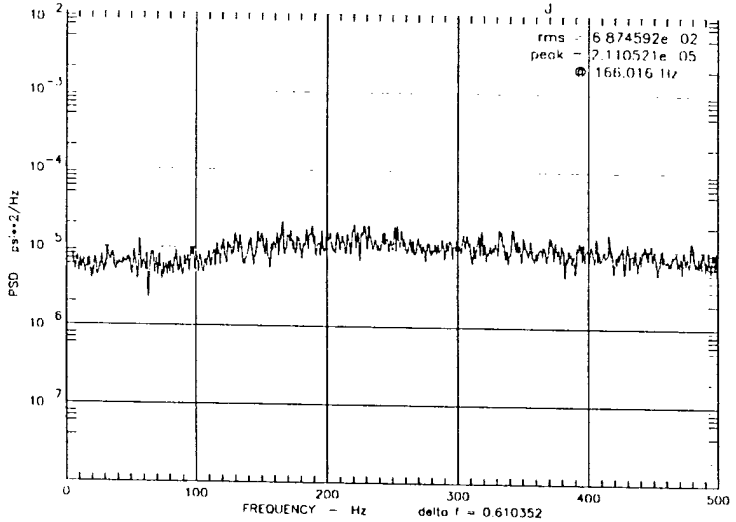
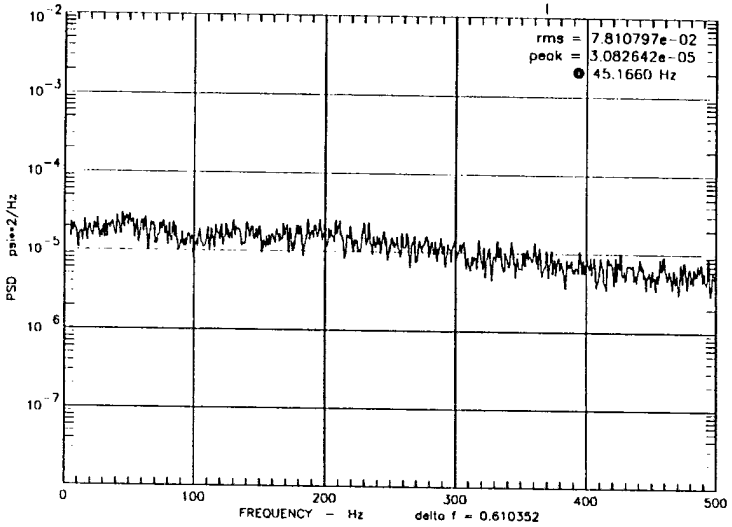


F-15 TPN_3023: q=56 alpha=26 beta=0 bp=65g&w



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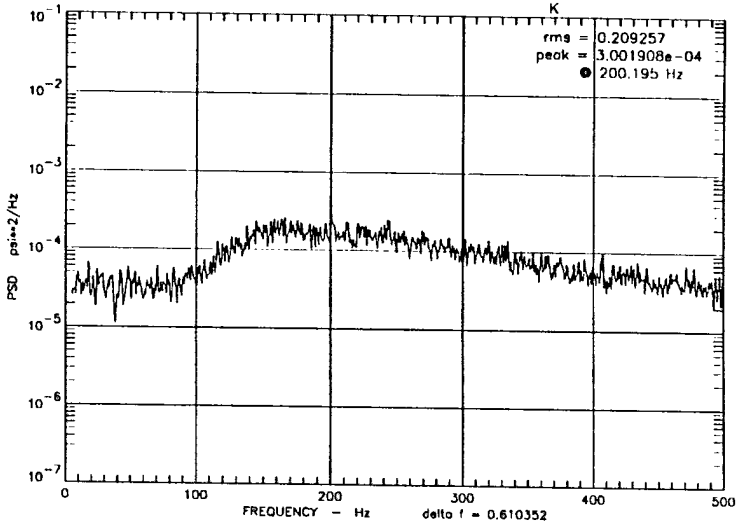
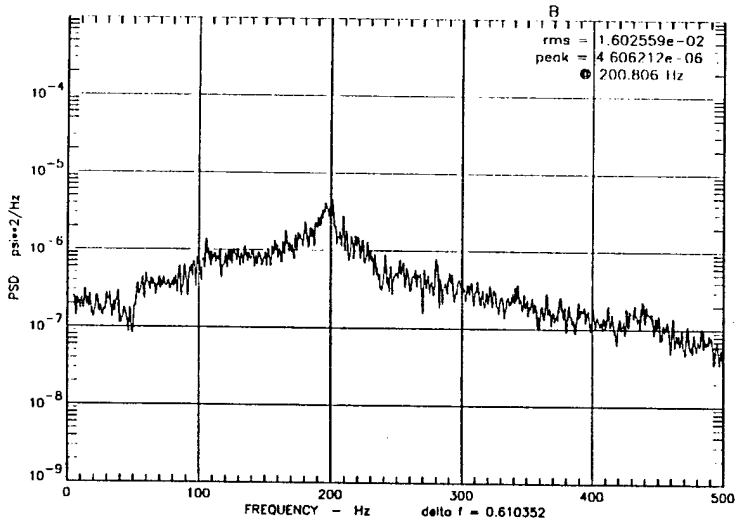
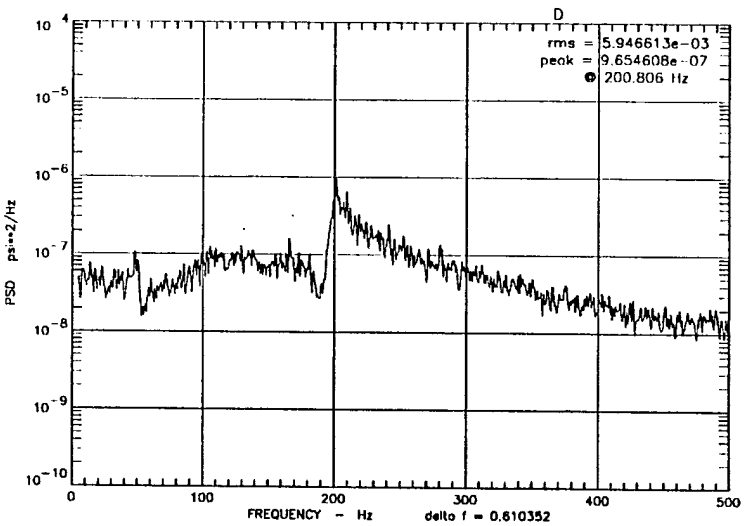


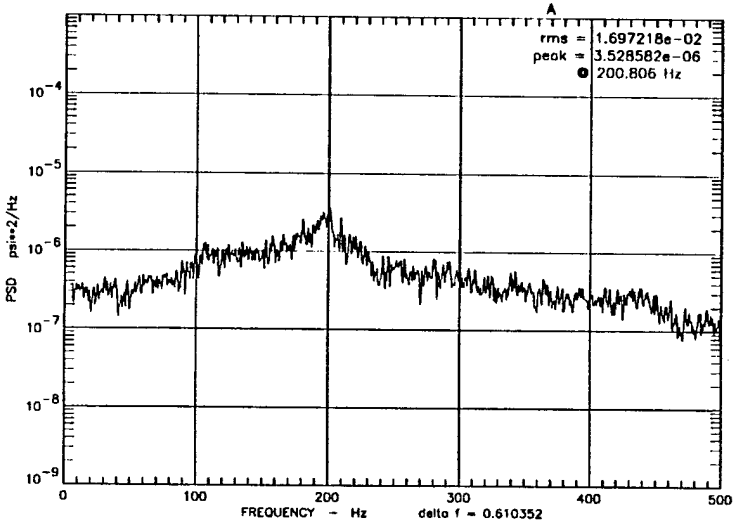
F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w



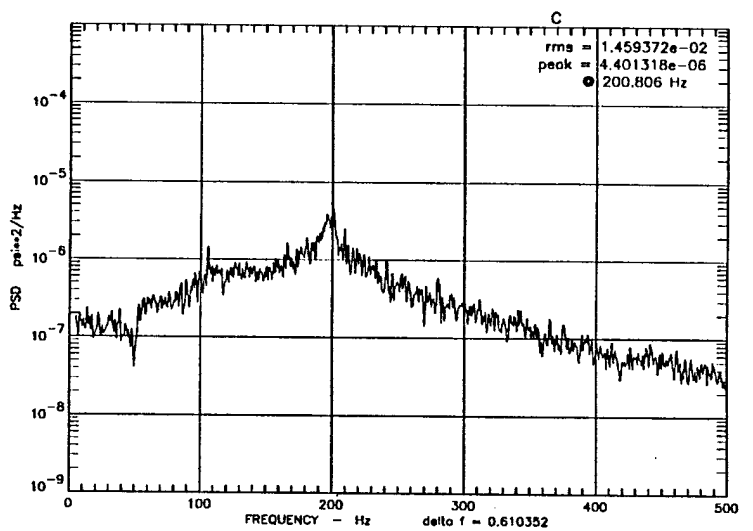
F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w

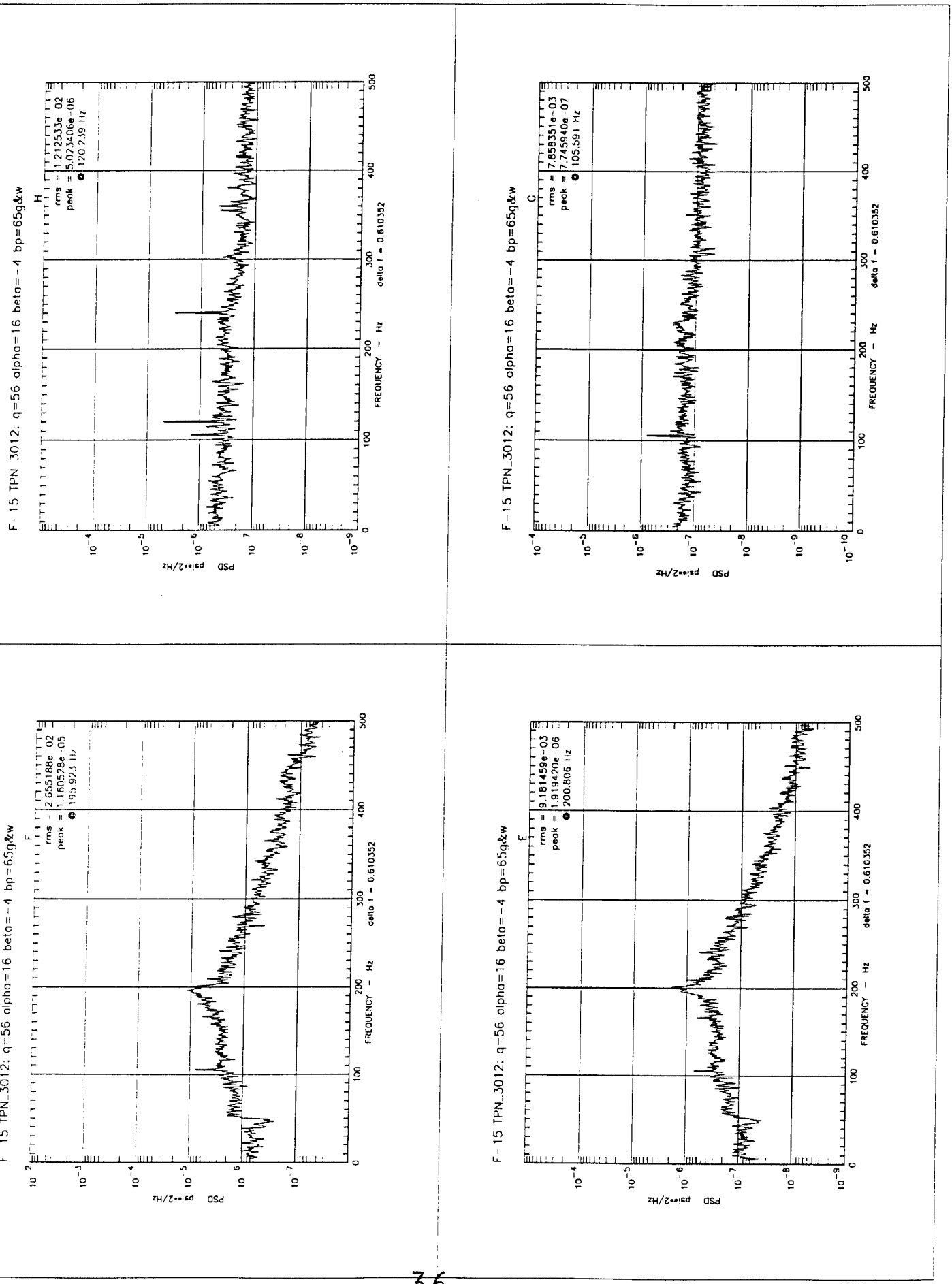


F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w

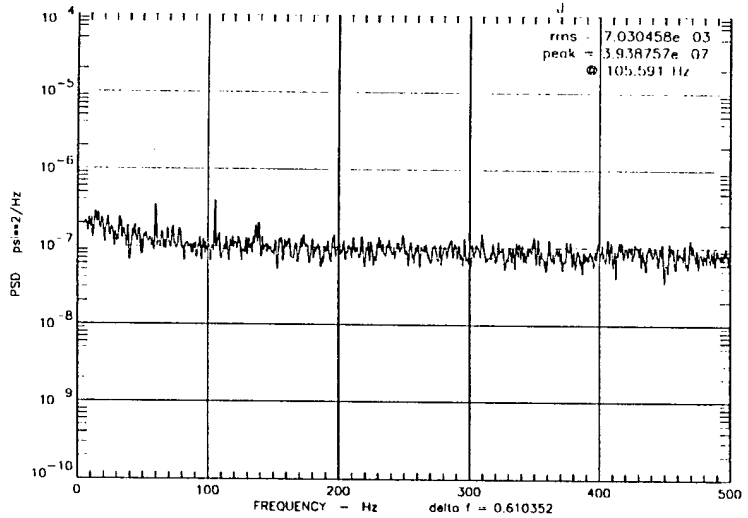


F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w

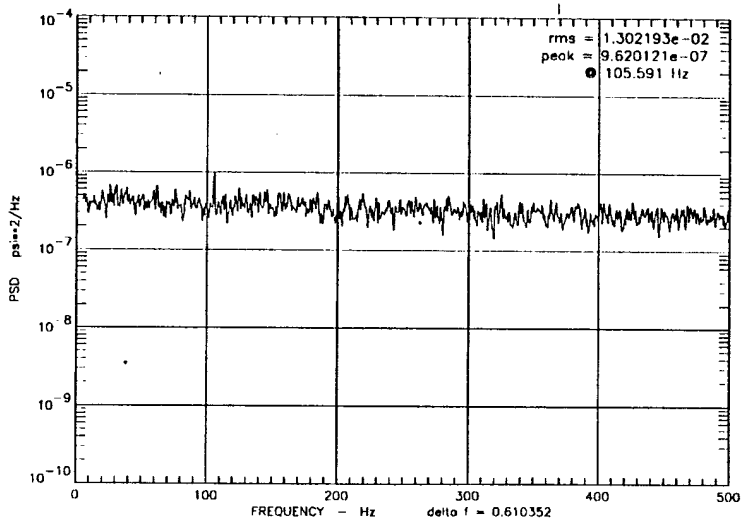



F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w
H
rms = 1.212533e 02
peak = 5.023406e-06
@ 120.239 Hz
F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w
G
rms = 7.858351e-03
peak = 7.745940e-07
@ 105.591 Hz
F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w
F
rms = 2.655188e 02
peak = 1.160578e-05
@ 195.925 Hz
F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w
E
rms = 9.181459e-03
peak = 1.919420e-06
@ 200.806 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

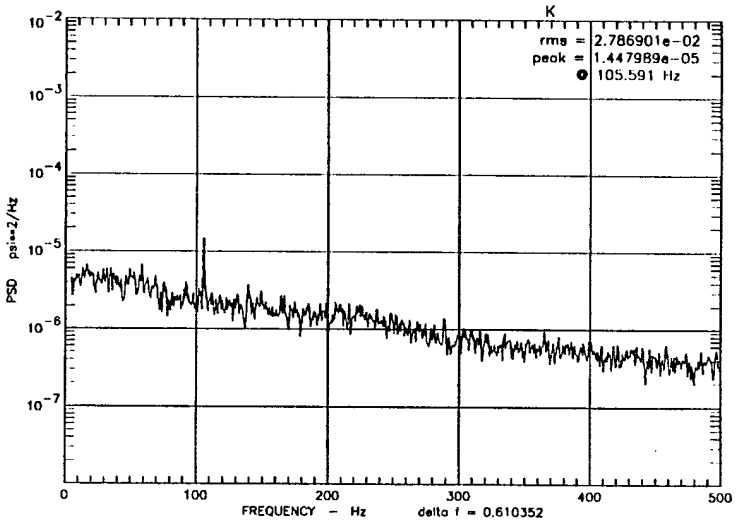
F 15 TPN_3012: q=56 alpha=16 beta= 4 bp=65g&w



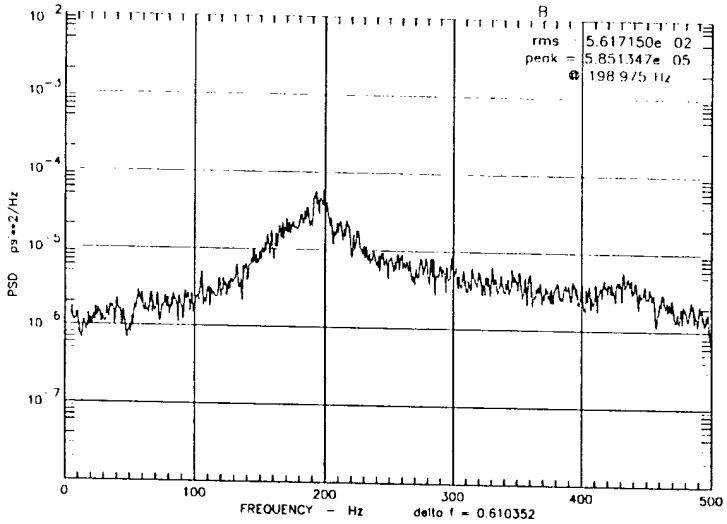
F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w



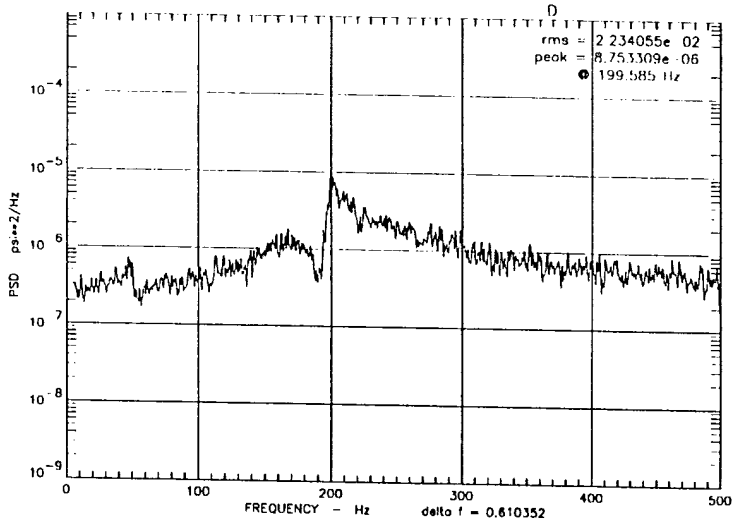
F-15 TPN_3012: q=56 alpha=16 beta=-4 bp=65g&w



F 15 TPN_3014: q=56 alpha=20 beta=-4 bp=65g&w



F 15 TPN 3014: q=56 alpha=20 beta=-4 bp=65g&w



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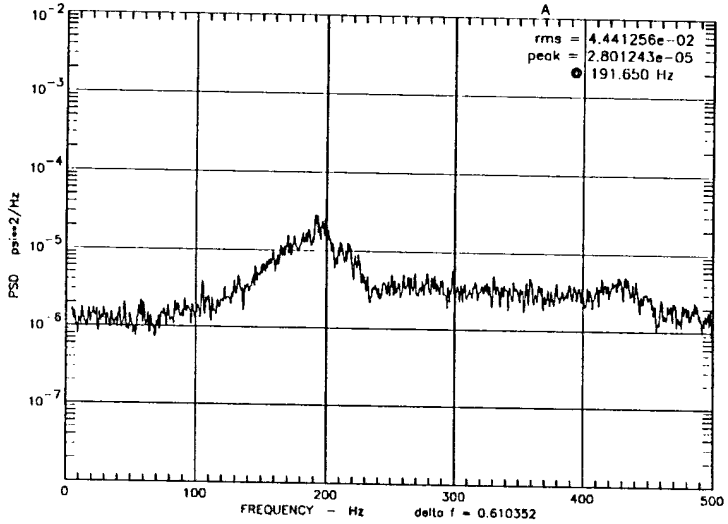

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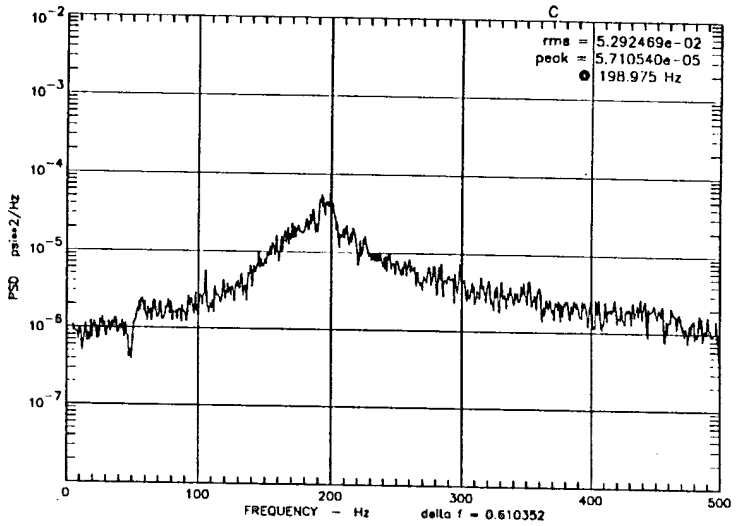

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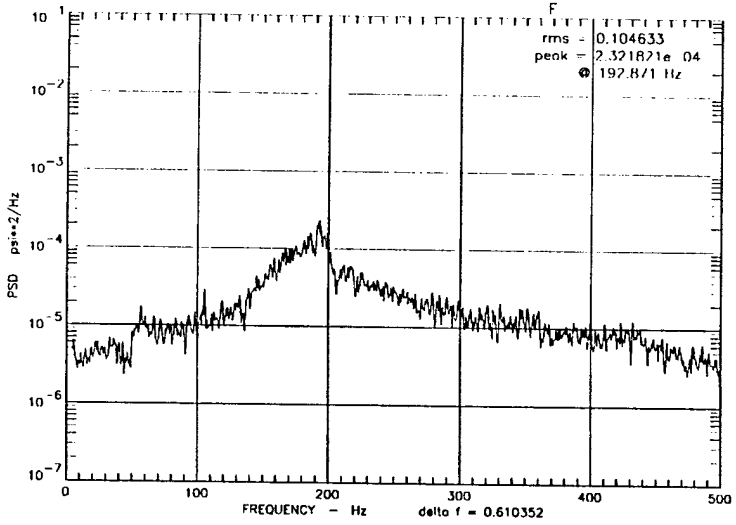
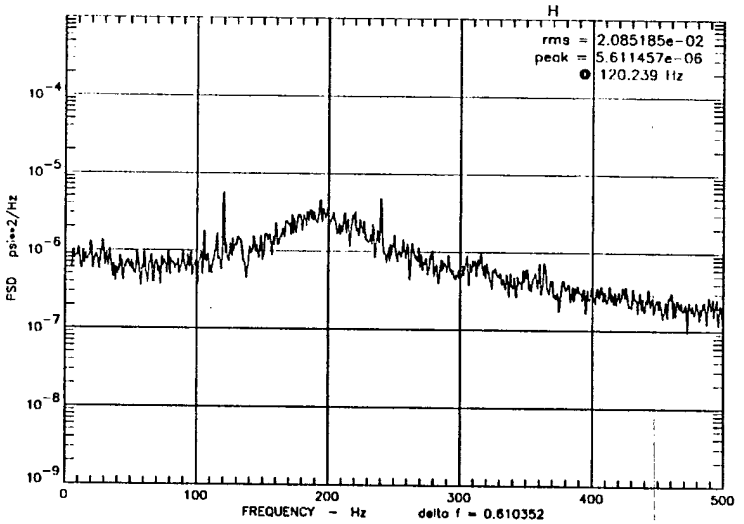
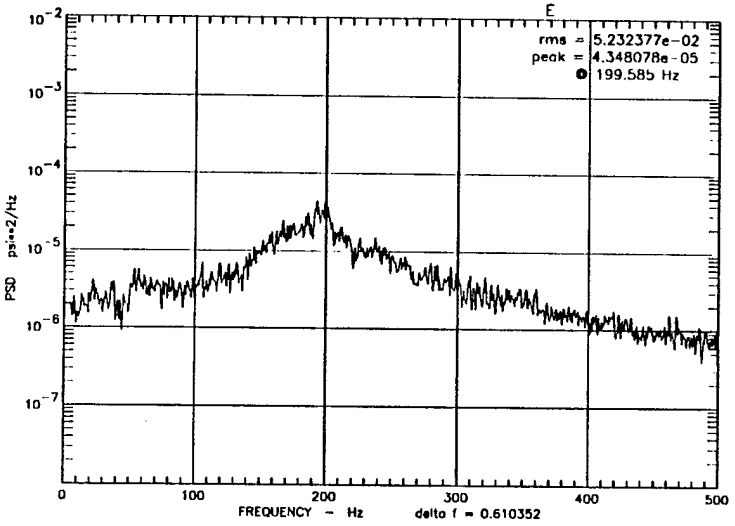


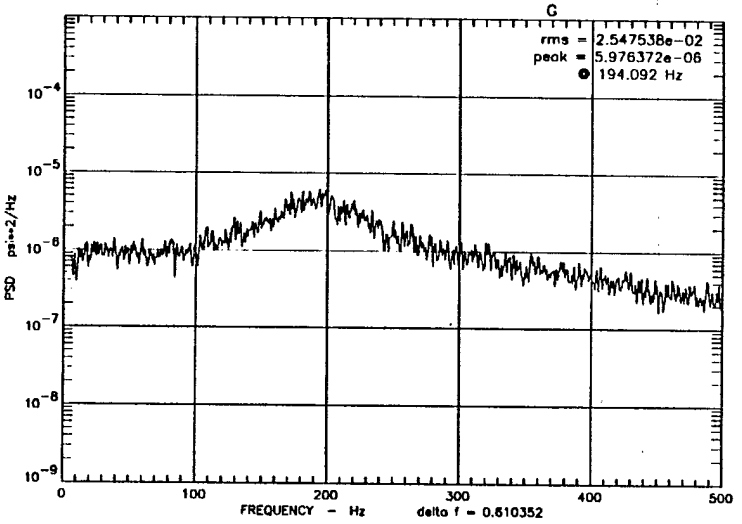
F-15 TPN_3014: q=56 alpha=20 beta=-4 bp=65g&w



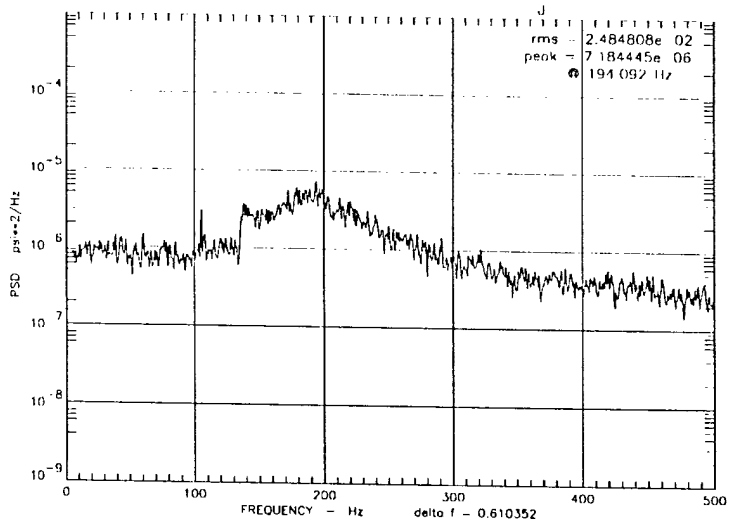
F-15 TPN_3014: q=56 alpha=20 beta=-4 bp=65g&w



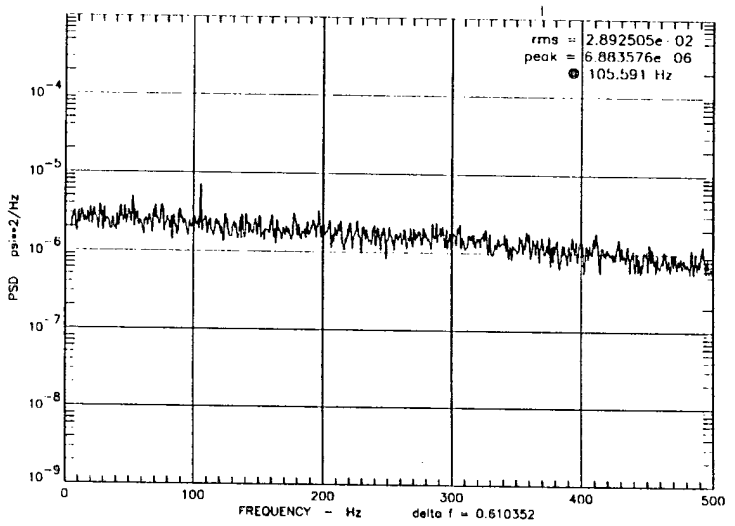
F-15 TPN_3014: q=56 alpha=20 beta=-4 bp=65g&w



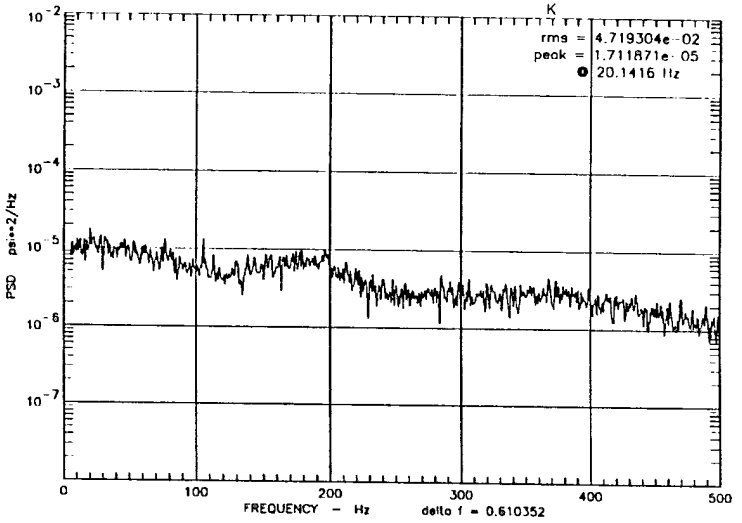
F 15 TPN 3014: q=56 alpha=20 beta= 4 bp=65g&w



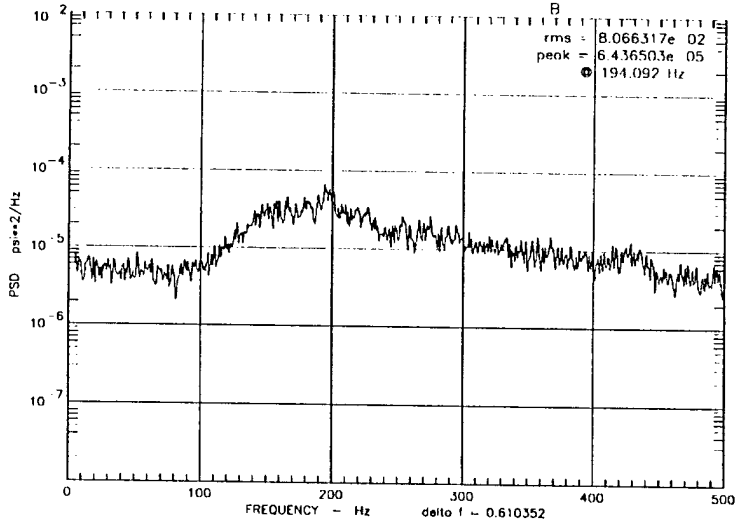
F 15 TPN_3014: q=56 alpha=20 beta= 4 bp=65g&w



F-15 TPN_3014: q=56 alpha=20 beta= 4 bp=65g&w



F-15 TPN_3016: q=56 alpha=24 beta=-4 bp=65g&w



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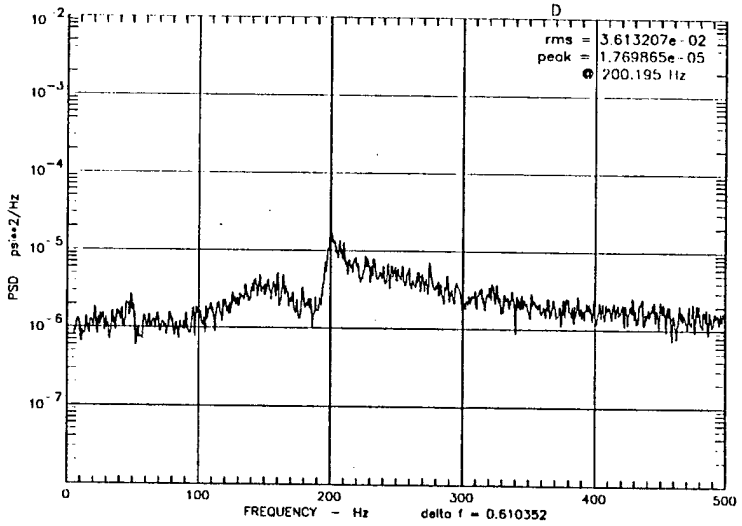

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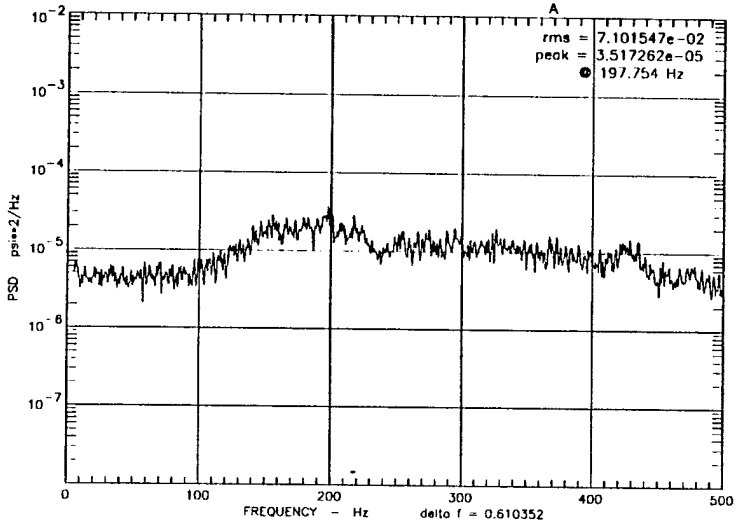

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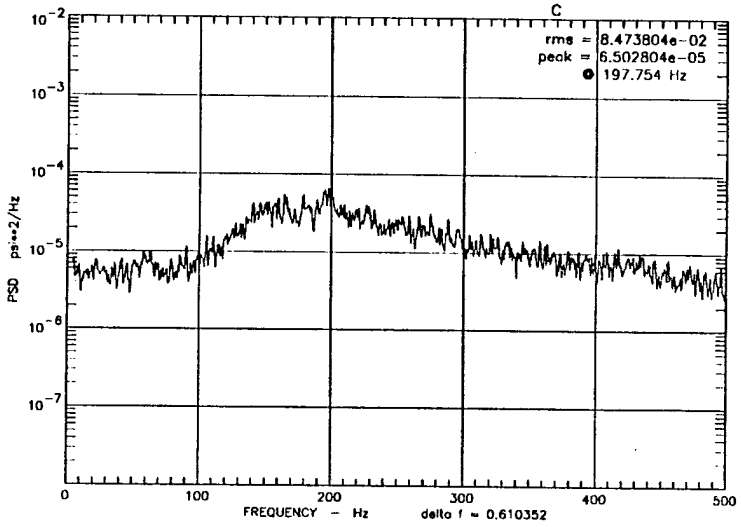

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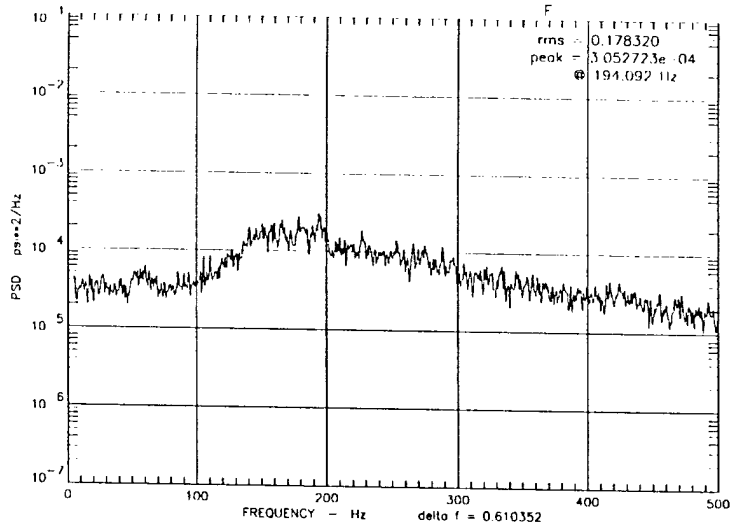
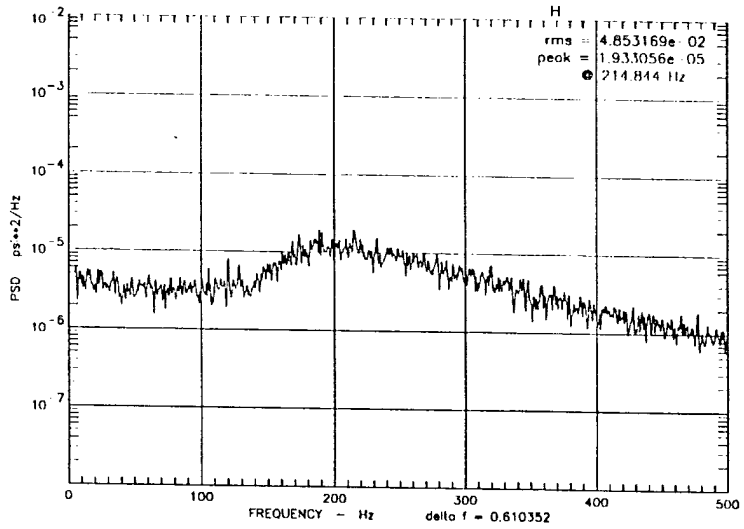
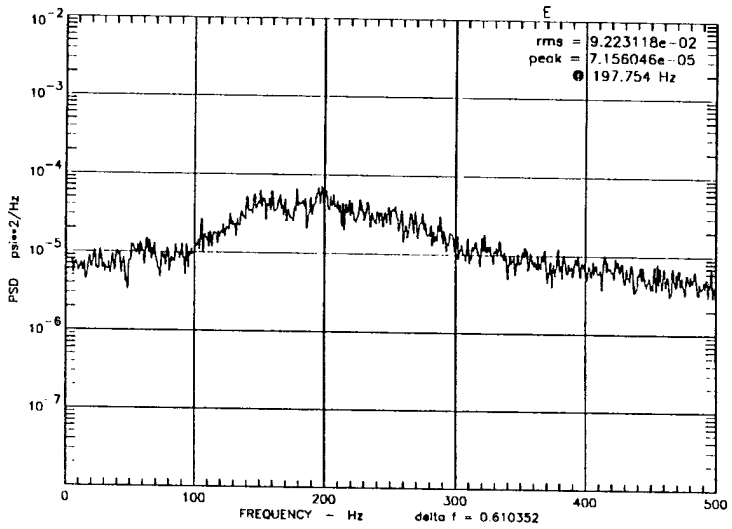


F-15 TPN_3016: q=56 alpha=24 beta=-4 bp=65g&w



F-15 TPN_3016: q=56 alpha=24 beta=-4 bp=65g&w



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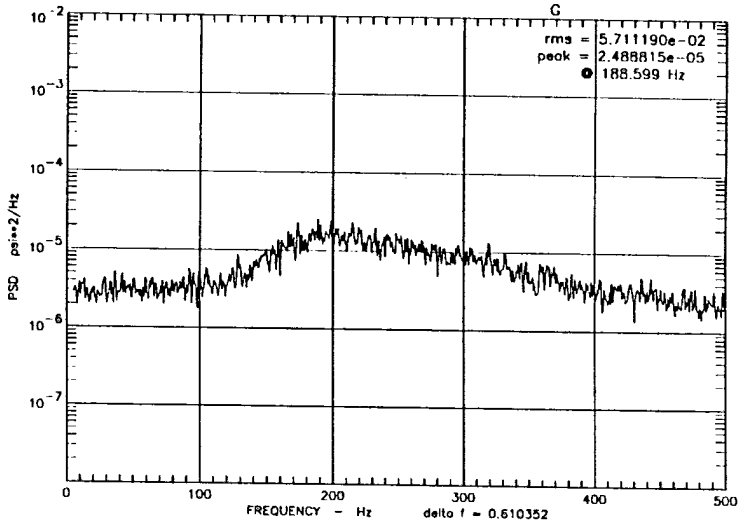
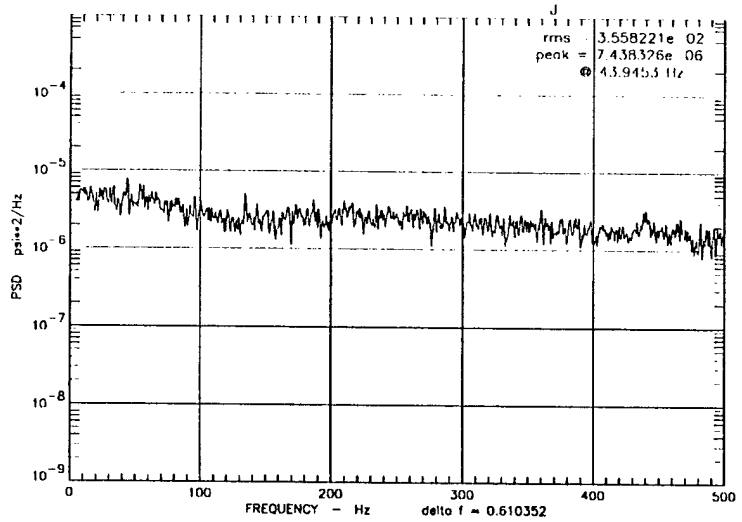
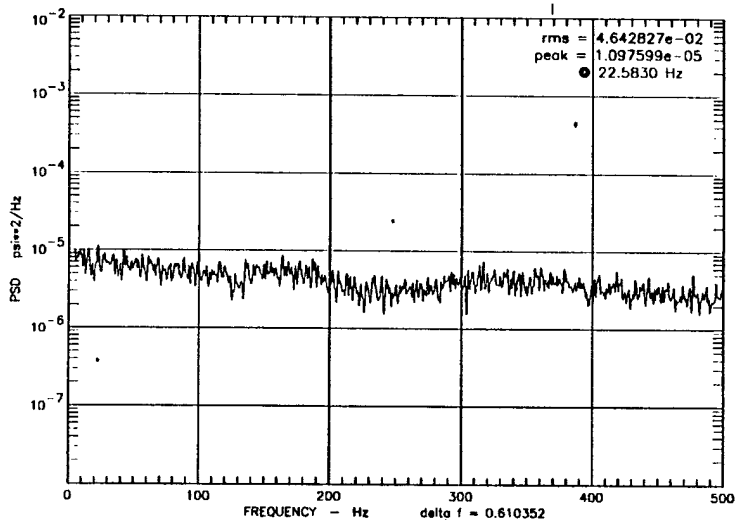


F 15 TPN_3016: q=56 alpha=24 beta=- 4 bp=65g&w



F-15 TPN_3016: q=56 alpha=24 beta=-4 bp=65g&w



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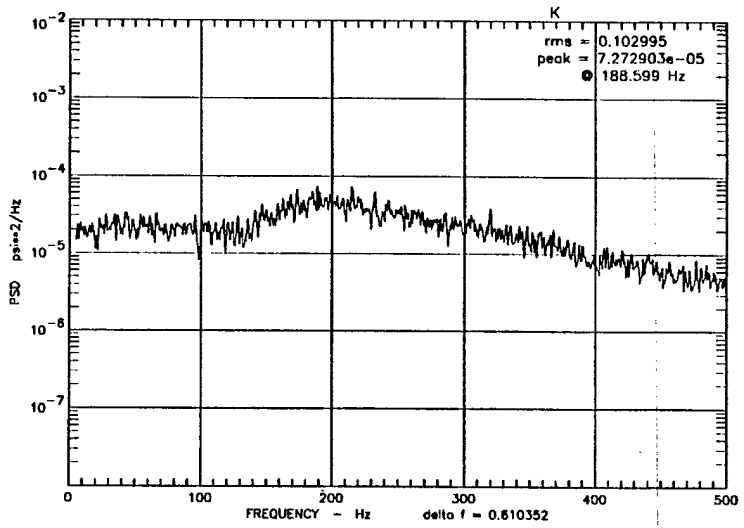
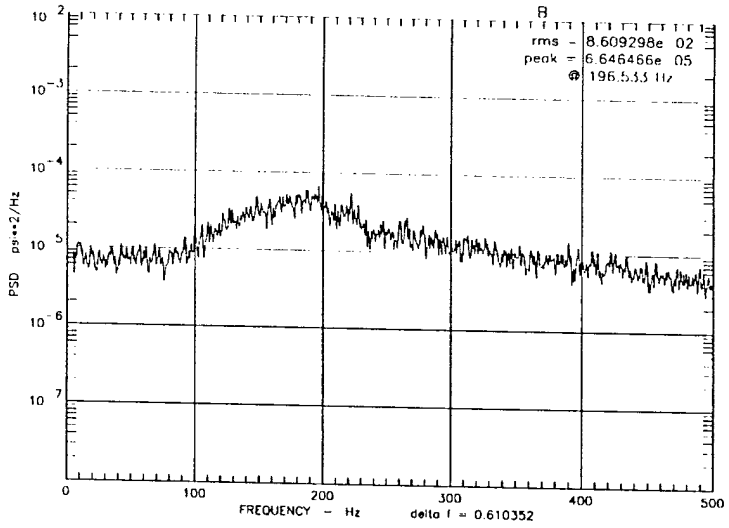


F 15 TPN 3017: q=56 alpha=26 beta=-4 bp=65g&w



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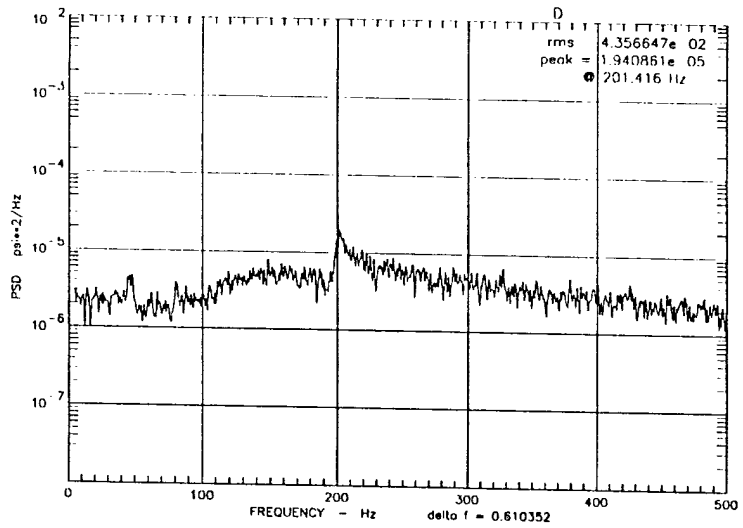
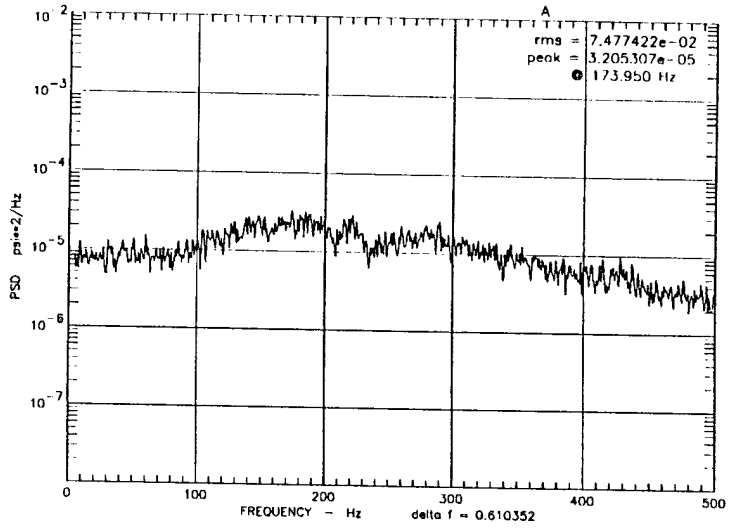
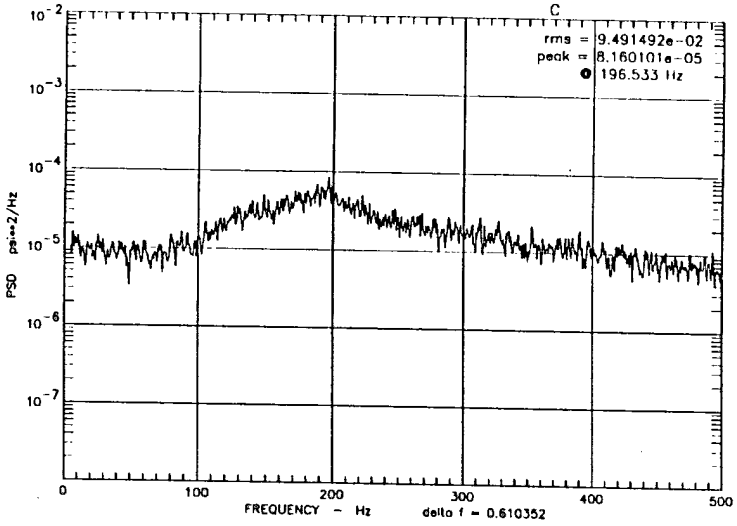


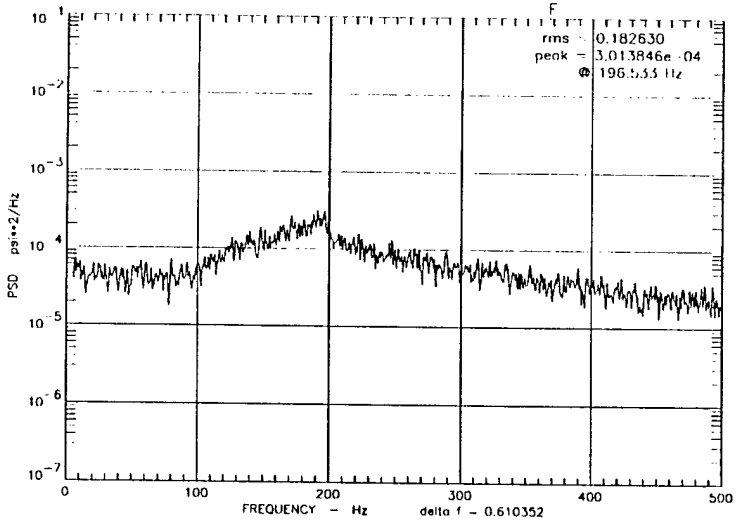
F-15 TPN_3017: q=56 alpha=26 beta=-4 bp=65g&w



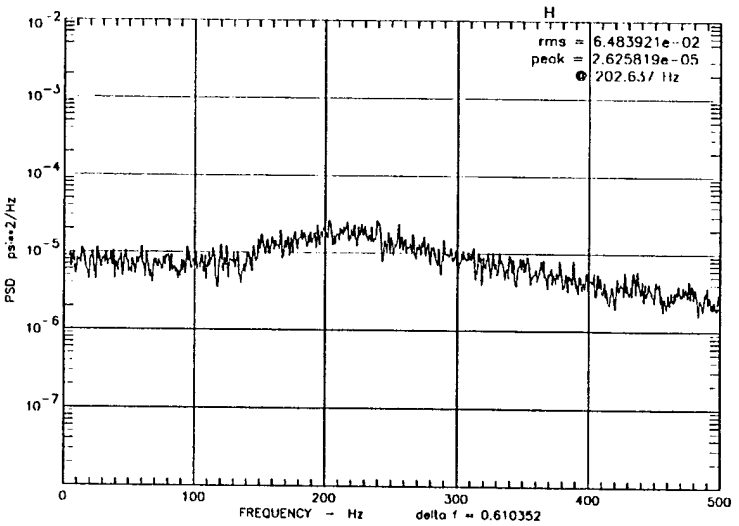
F-15 TPN_3017: q=56 alpha=26 beta=-4 bp=65g&w



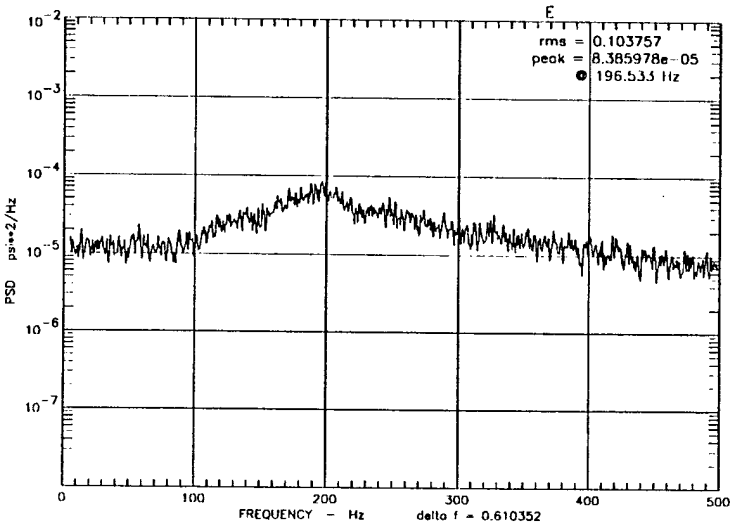
F-15 TPN_3017: q=56 alpha=26 beta=-4 bp=65g&w



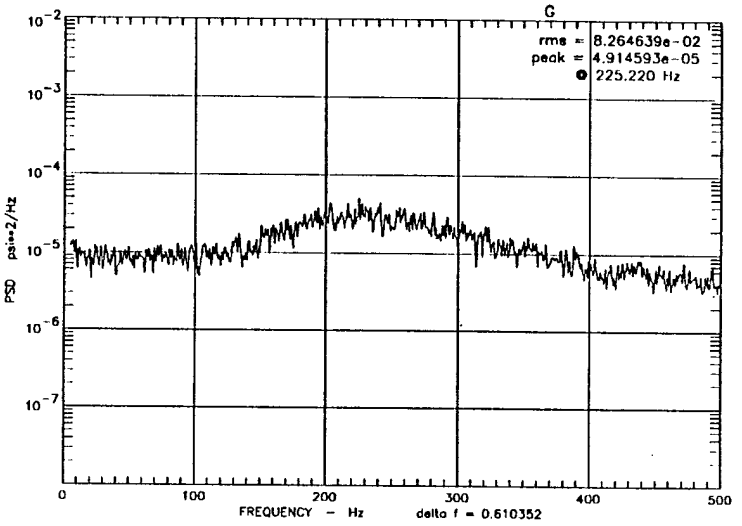
F-15 TPN_3017: q=56 alpha=26 beta=-4 bp=65g&w



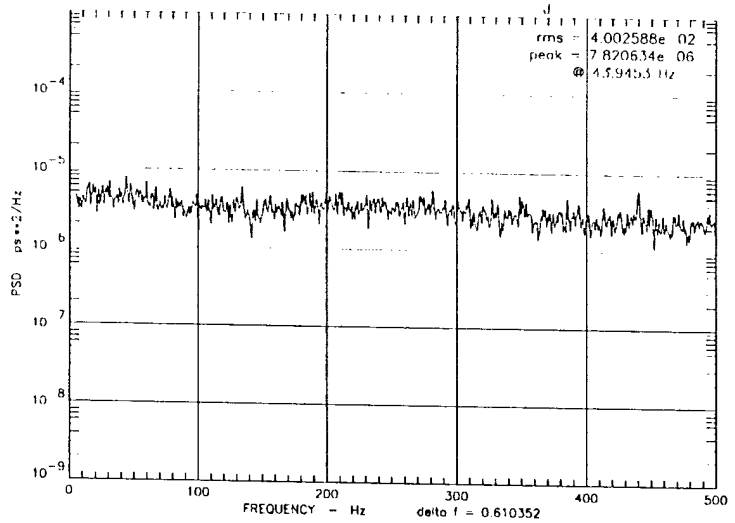
F-15 TPN_3017: q=56 alpha=26 beta=-4 bp=65g&w



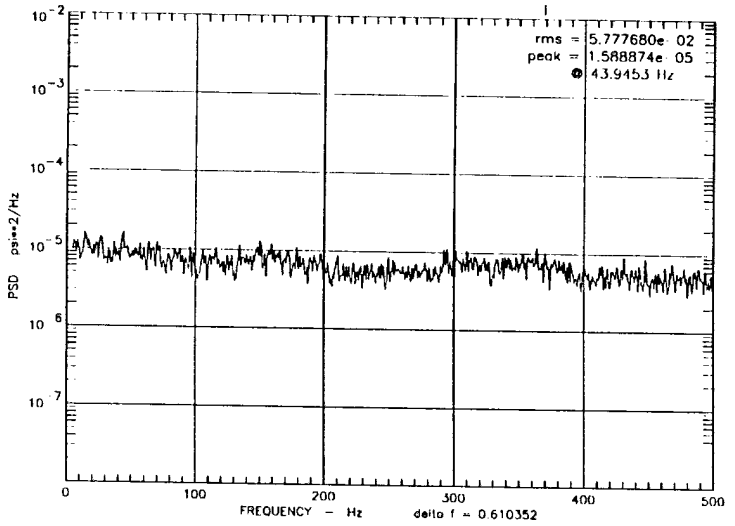
F-15 TPN_3017: q=56 alpha=26 beta=-4 bp=65g&w



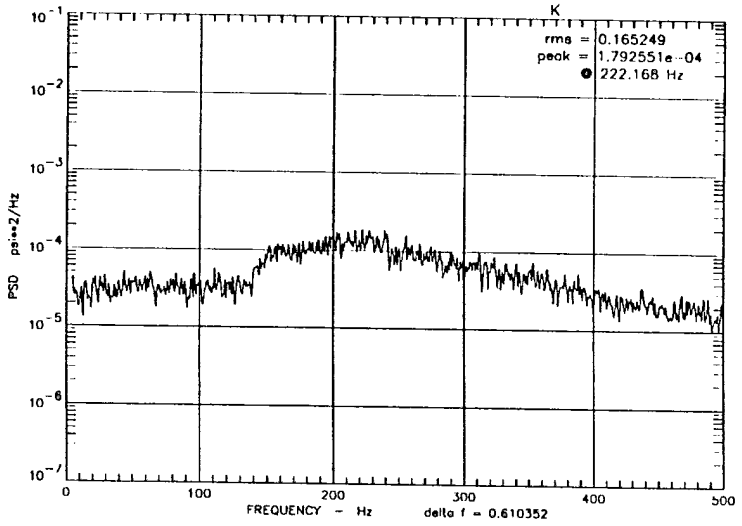
F 15 TPN 3017: q=56 alpha=26 beta=-4 bp=65g&w



F-15 TPN_3017: q=56 alpha=26 beta=-4 bp=65g&w



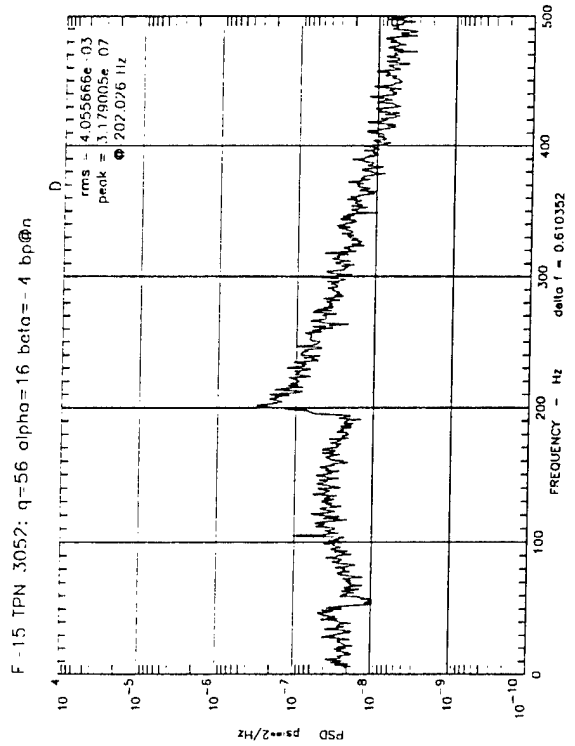
F-15 TPN_3017: q=56 alpha=26 beta=-4 bp=65g&w

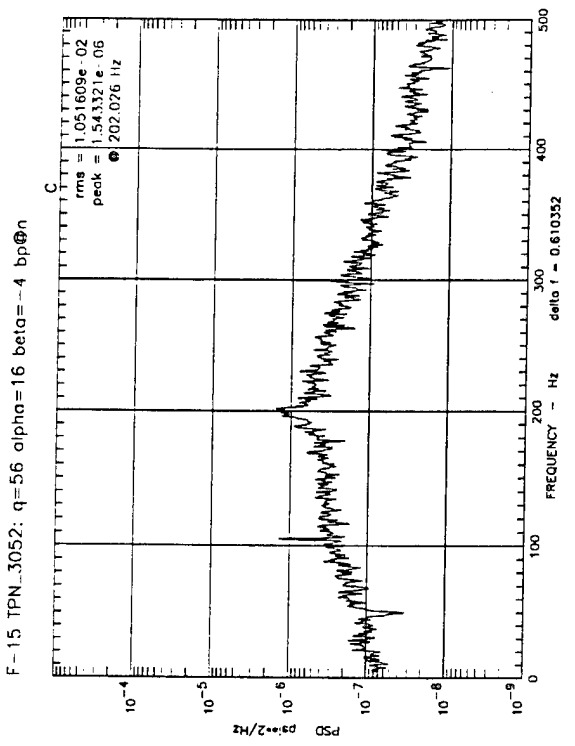


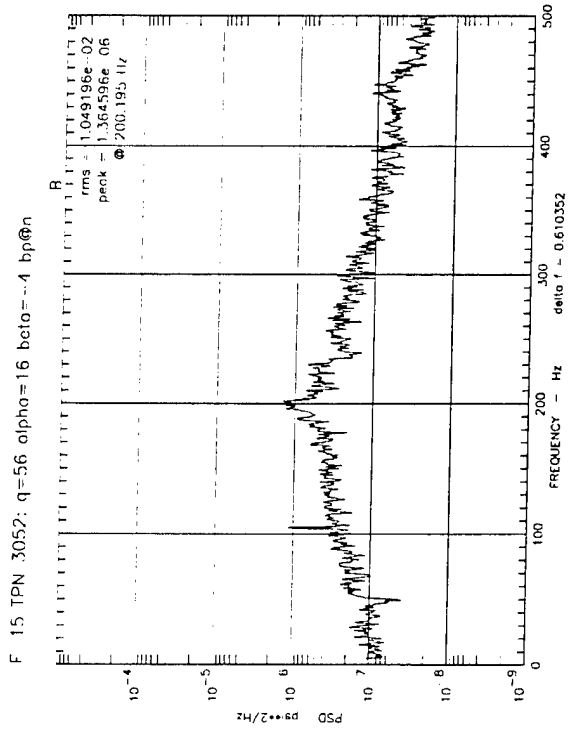
PRESSURE PSD's

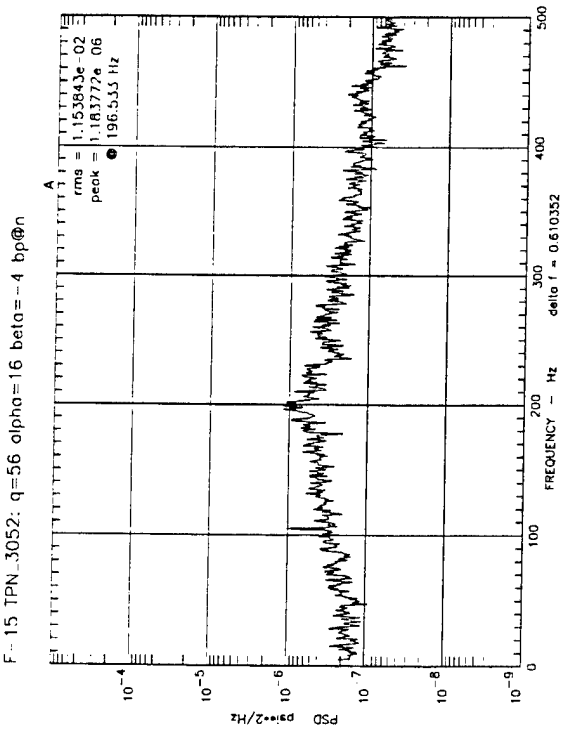
Q=56 PSF

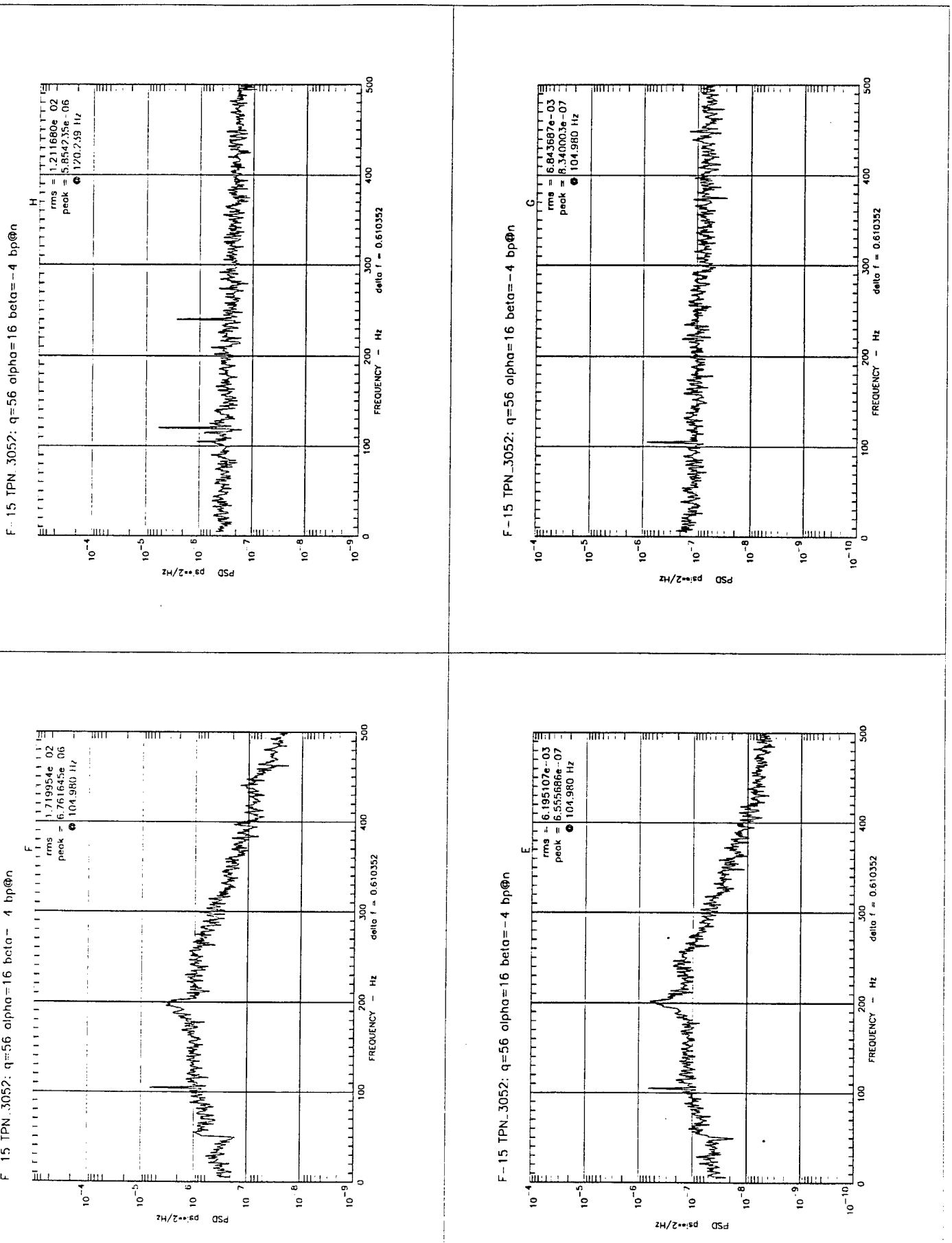
2.1.2.4 PSD GRAPHS(5- 500 Hz), NBP = 87 PSI, Beta = 0, +4, -4 Deg, Alpha = 8...32 Deg


F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n
D
rms = 4.055666e-03
peak = 3.179005e-07
@ 202.076 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

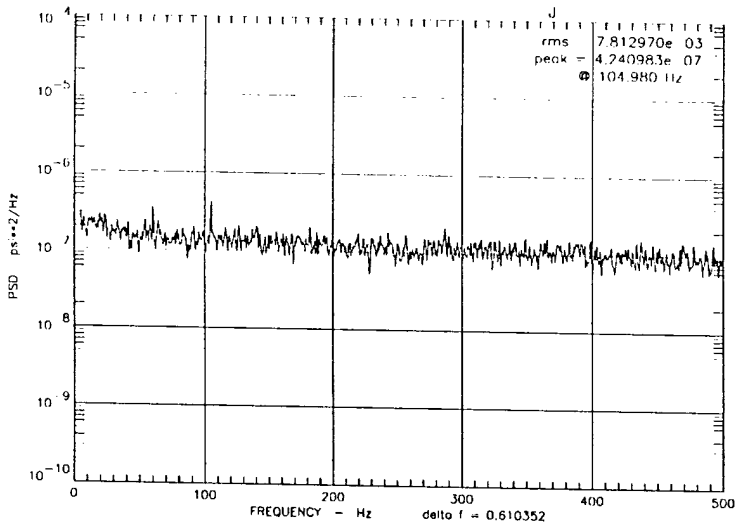

F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n
C
rms = 1.051609e-02
peak = 1.543121e-06
@ 202.076 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n
B
rms = 1.049196e-02
peak = 1.364596e-06
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

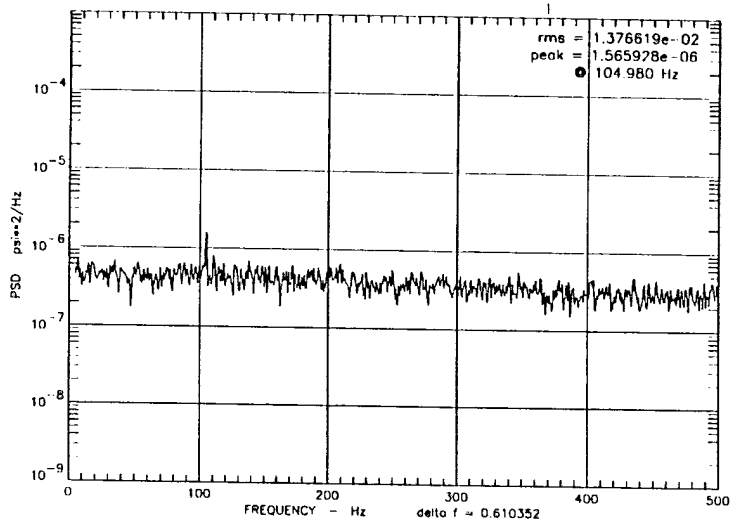

F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n
A
rms = 1.153843e-02
peak = 1.183772e-06
@ 196.533 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n
H
rms = 1.211680e 02
peak = 5.854235e-06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n
G
rms = 6.843687e-03
peak = 8.340003e-07
@ 104.980 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3052: q=56 alpha=16 beta= 4 bp@n
F
rms = 1.719954e 02
peak = 6.761645e 06
@ 104.980 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n
E
rms = 6.195107e-03
peak = 6.555686e-07
@ 104.980 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

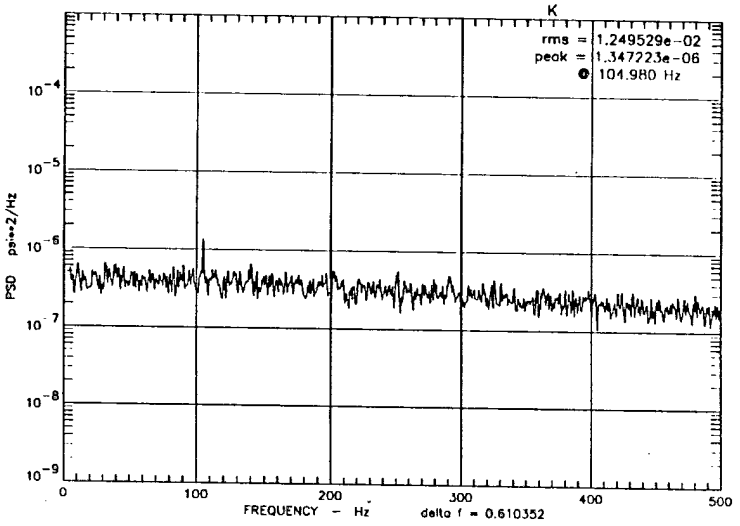
F 15 TPN_3052: q=56 alpha=16 beta=-4 bp@n



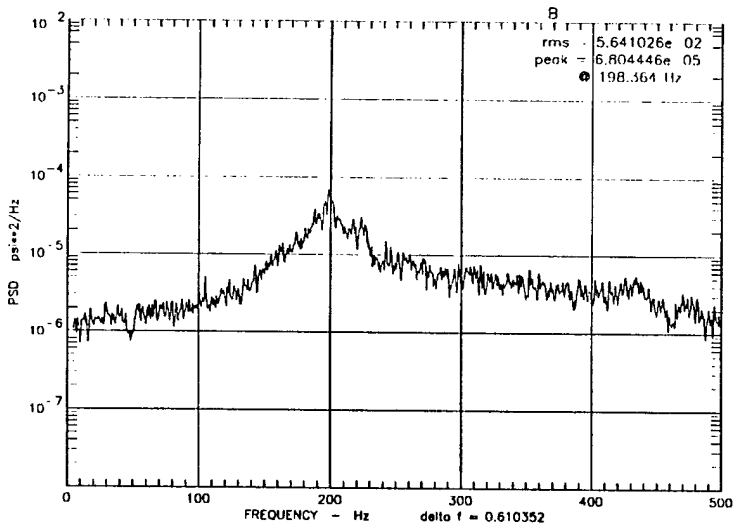
F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n



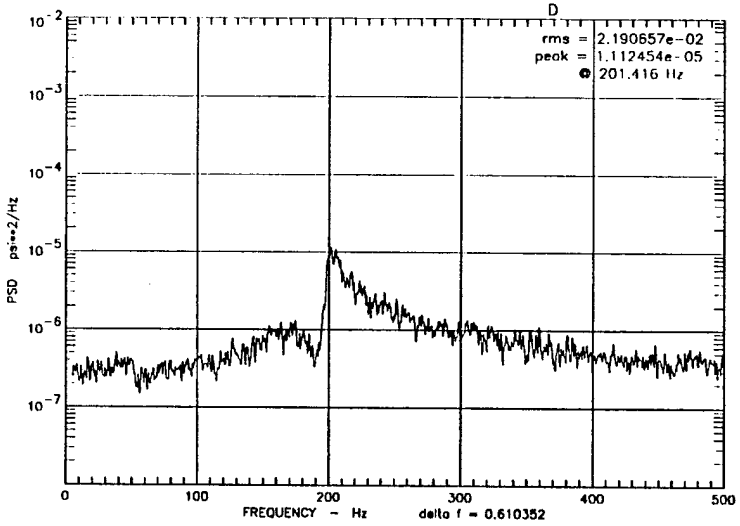
F-15 TPN_3052: q=56 alpha=16 beta=-4 bp@n



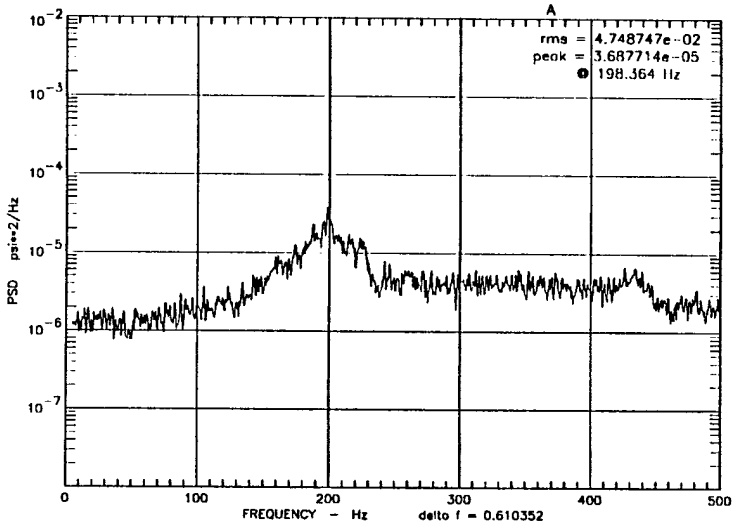
F-15 TPN_3054: q=56 alpha=20 beta=-4 bp@n



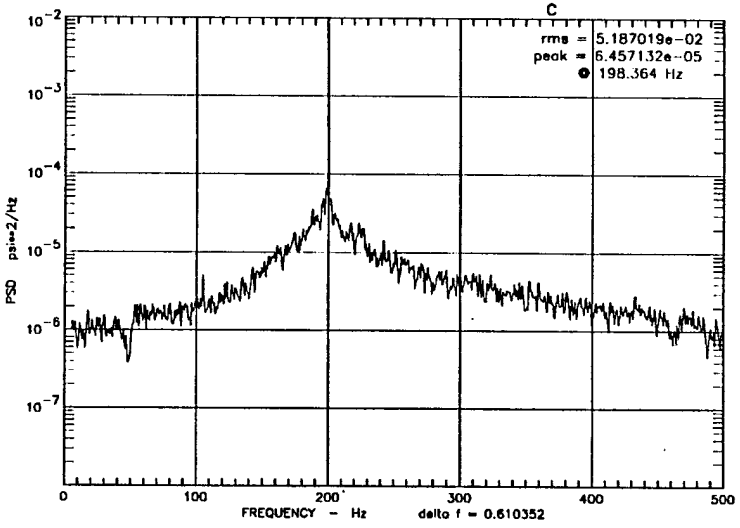
F-15 TPN_3054: q=56 alpha=20 beta=-4 bp@n

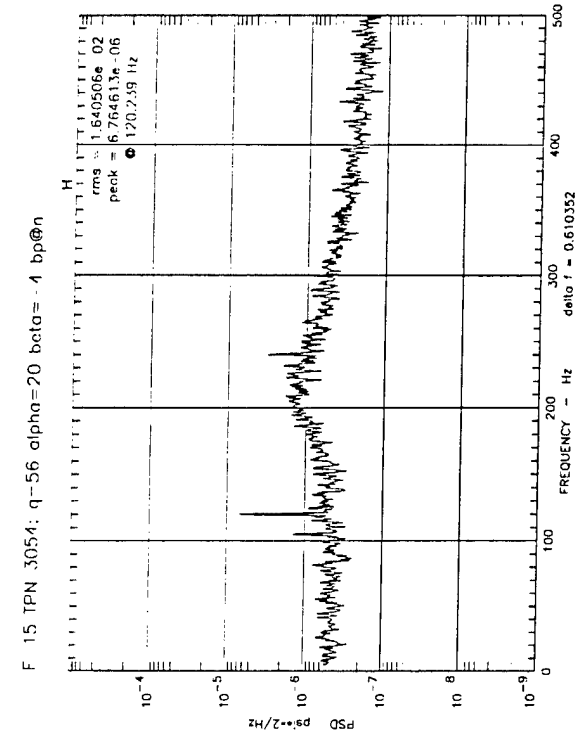


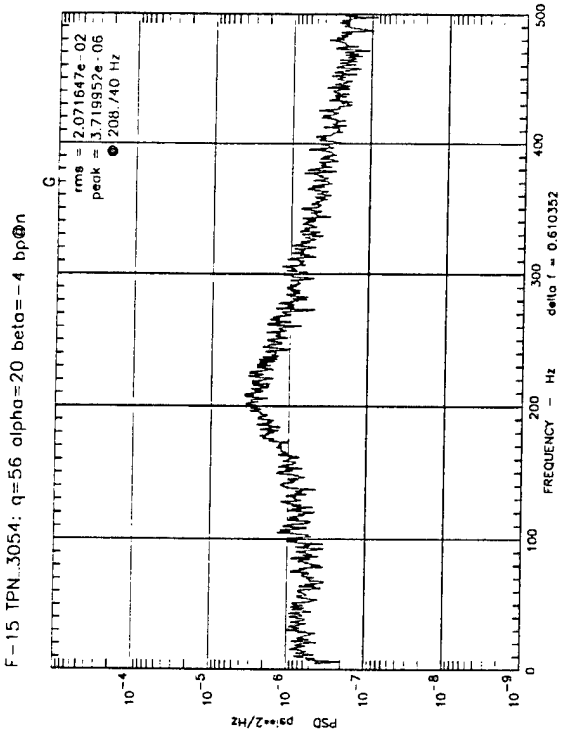
F-15 TPN_3054: q=56 alpha=20 beta=-4 bp@n

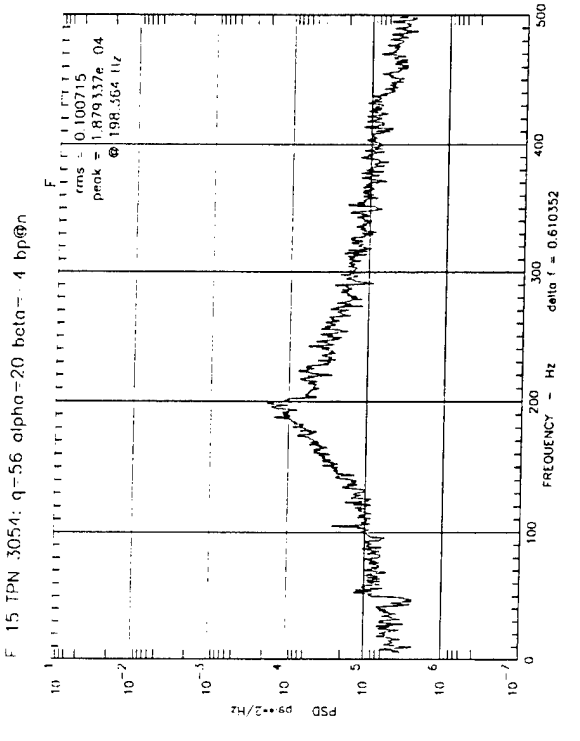


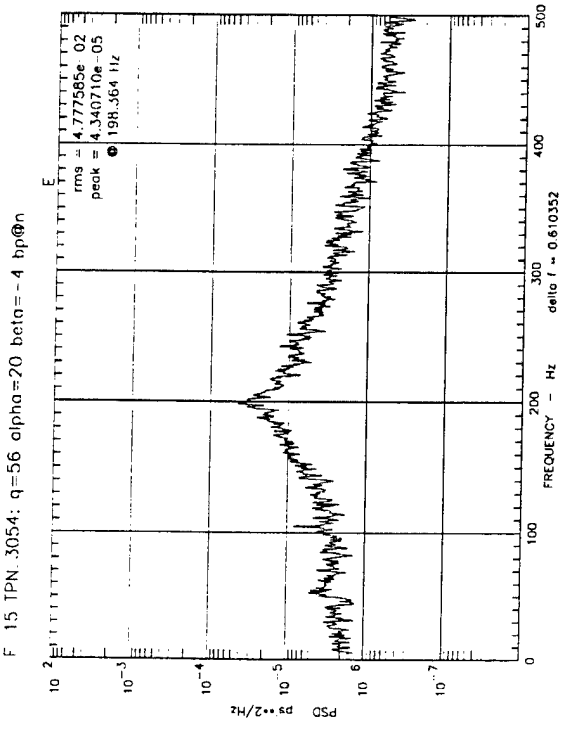
F-15 TPN_3054: q=56 alpha=20 beta=-4 bp@n



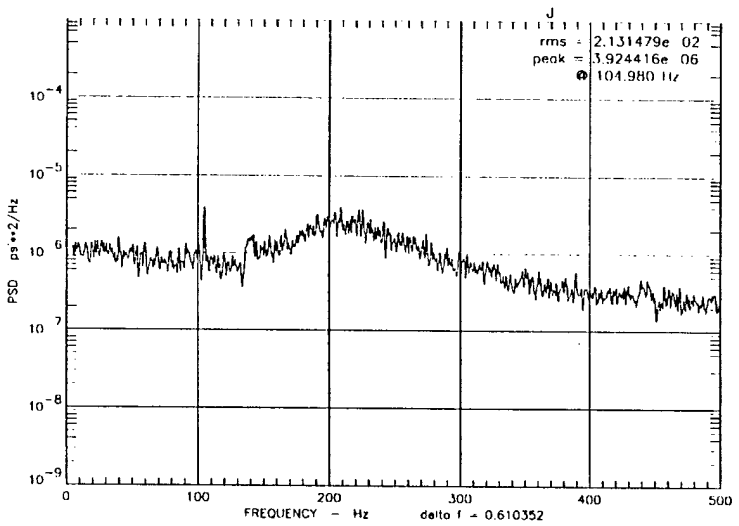

F 15 TPN 3054: q=56 alpha=20 beta=-4 bp@n
H
rms = 1.640506e-02
peak = 6.764613e-06
@ 120.259 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN.3054: q=56 alpha=20 beta=-4 bp@n
G
rms = 2.071647e-02
peak = 3.719952e-06
@ 208.740 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

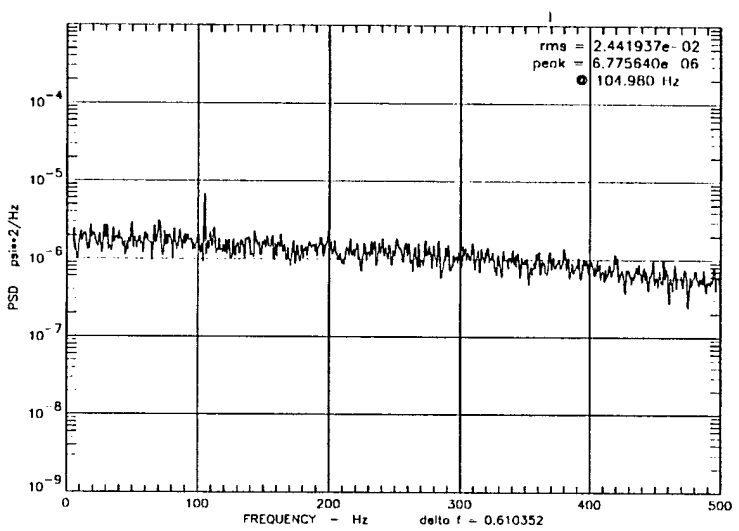

F 15 TPN.3054: q=56 alpha=20 beta=-4 bp@n
F
rms = 0.100715
peak = 1.879137e-04
@ 198.364 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN.3054: q=56 alpha=20 beta=-4 bp@n
E
rms = 4.777585e-02
peak = 4.340710e-05
@ 198.364 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

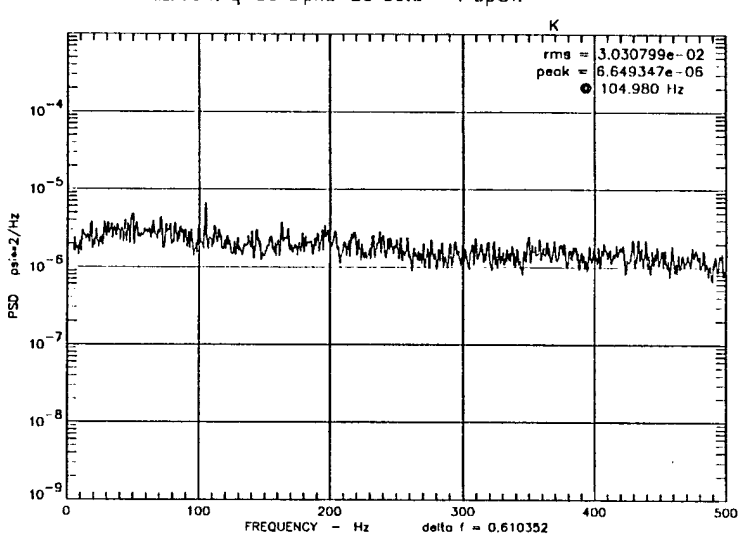
F 15 TPN 3054: q=56 alpha=20 beta=-4 bp@n



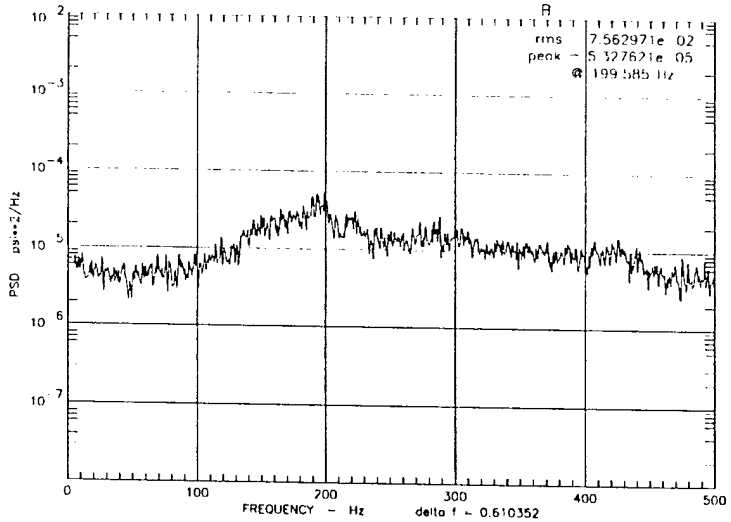
F-15 TPN_3054: q=56 alpha=20 beta=-4 bp@n



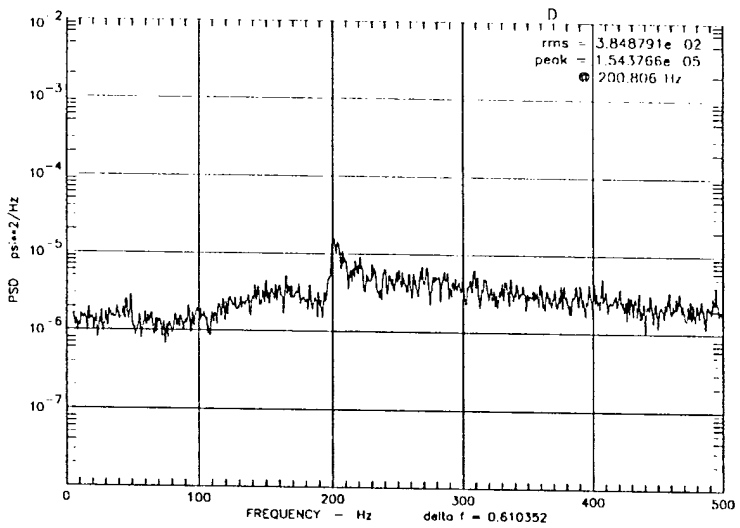
F-15 TPN_3054: q=56 alpha=20 beta=-4 bp@n



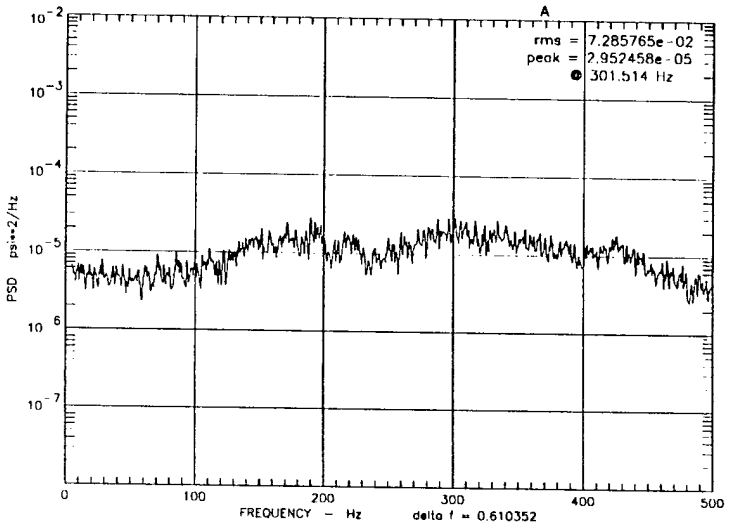
F-15 TPN 3056: q=56 alpha=24 beta=-4 bp@n



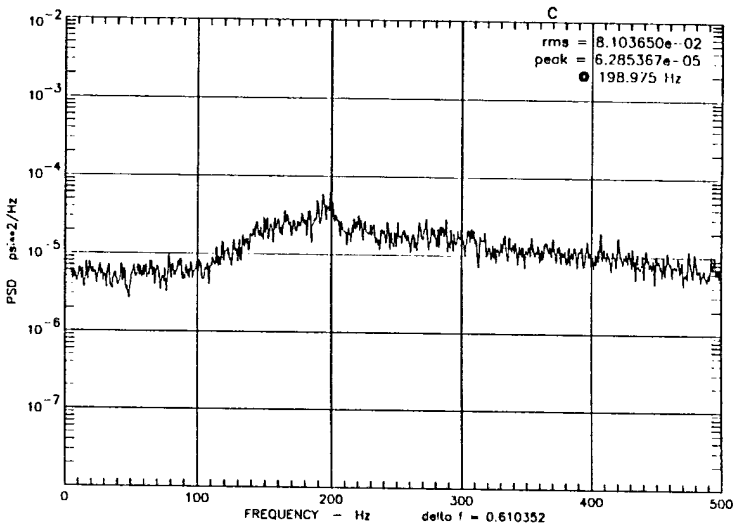
F-15 TPN 3056: q=56 alpha=24 beta=-4 bp@n



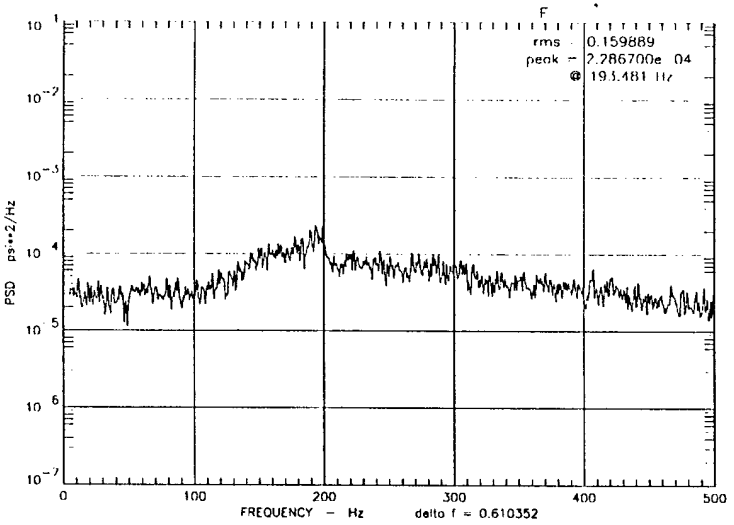
F-15 TPN_3056: q=56 alpha=24 beta=-4 bp@n



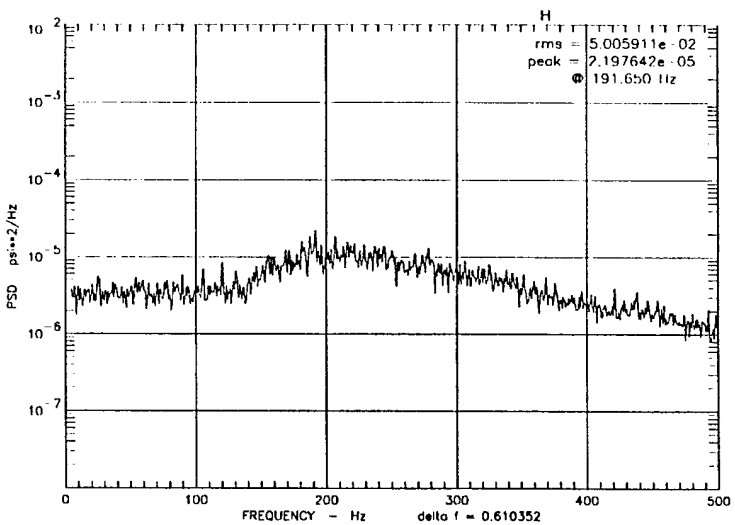
F-15 TPN_3056: q=56 alpha=24 beta=-4 bp@n



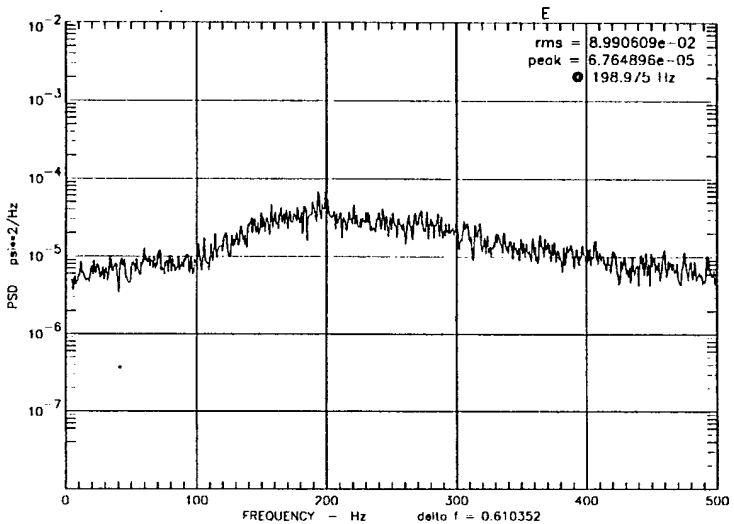
F-15 TPN 3056: q=56 alpha=24 beta=-4 bp@n



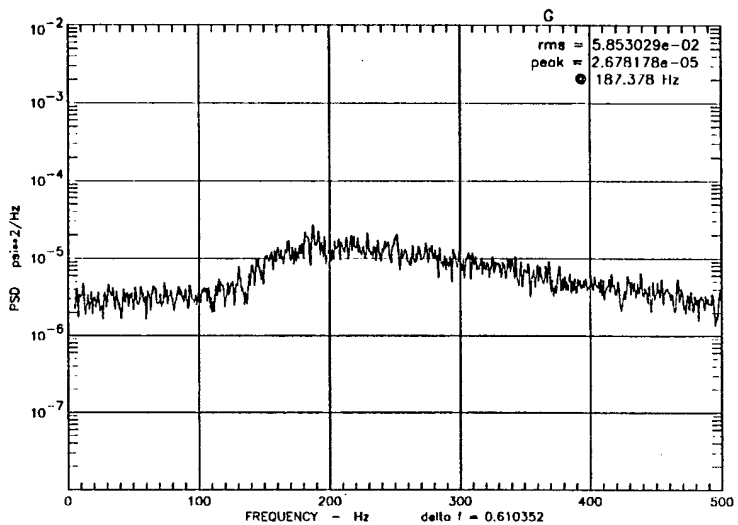
F-15 TPN 3056: q=56 alpha=24 beta=-4 bp@n



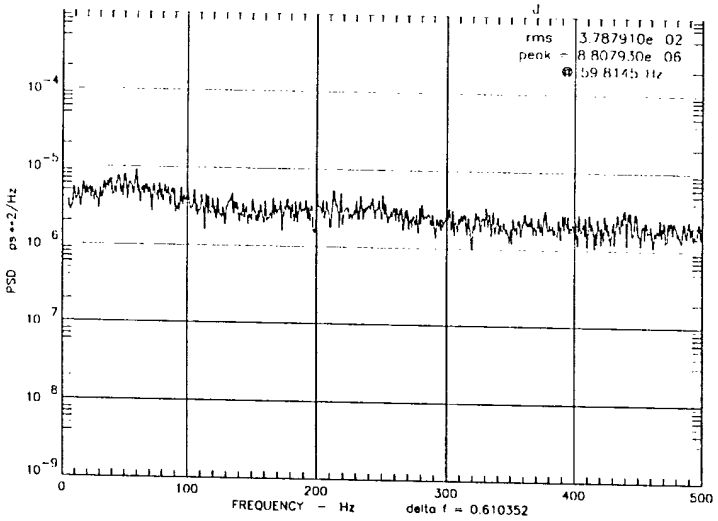
F-15 TPN_3056: q=56 alpha=24 beta=-4 bp@n



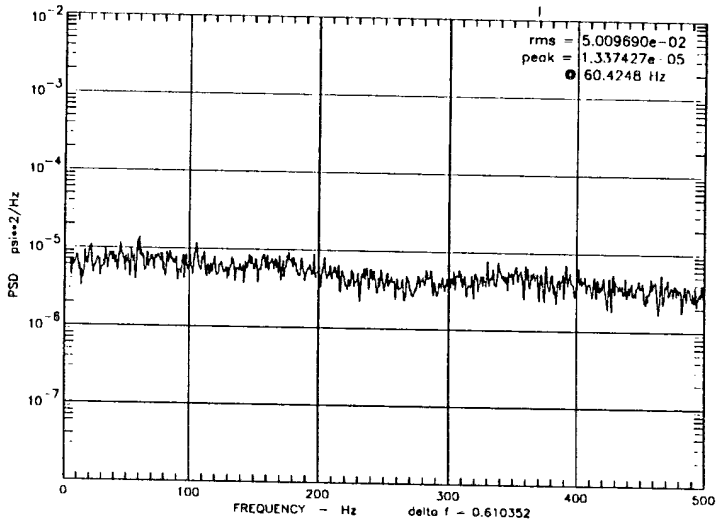
F-15 TPN_3056: q=56 alpha=24 beta=-4 bp@n



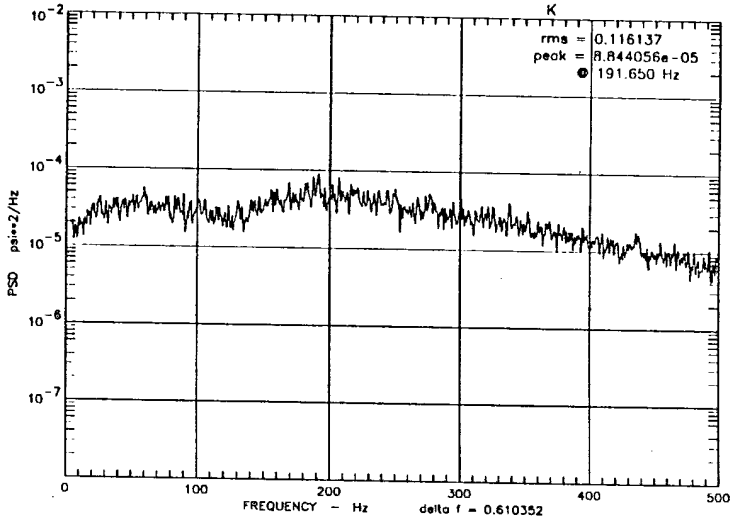
F 15 TPN_3056: q=56 alpha=24 beta= 4 bp@n



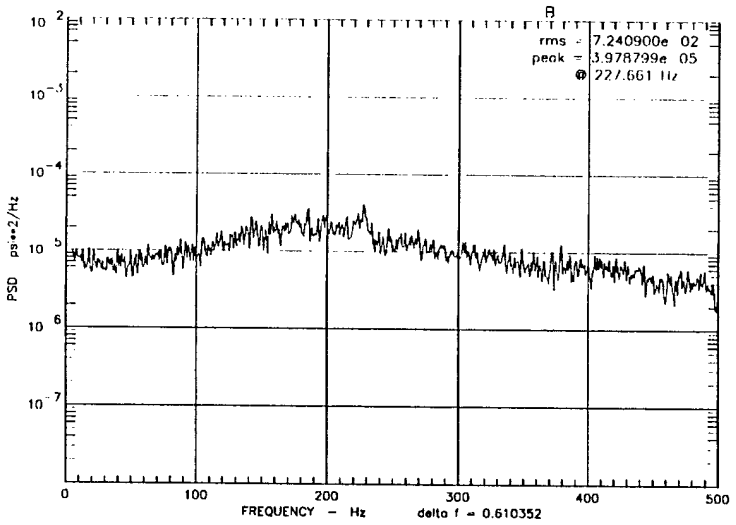
F-15 TPN_3056: q=56 alpha=24 beta=-4 bp@n



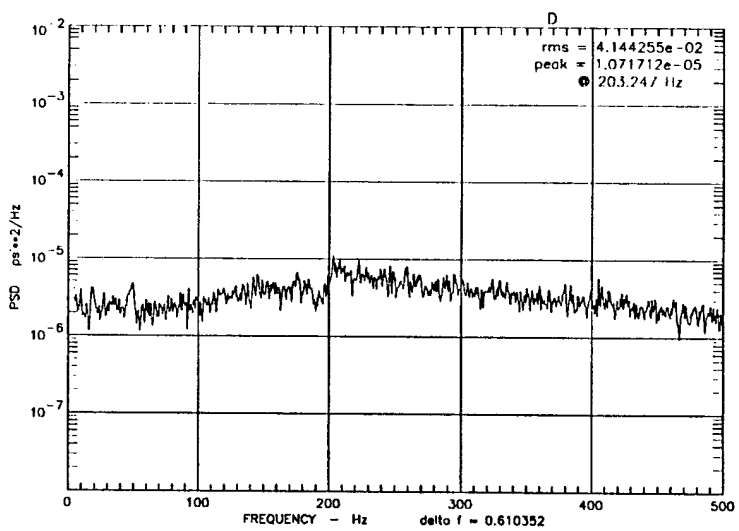
F-15 TPN_3056: q=56 alpha=24 beta=-4 bp@n



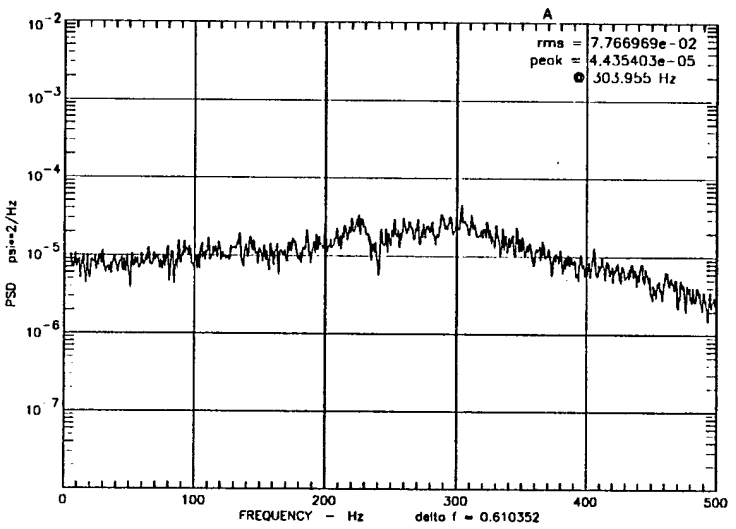
F-15 TPN_3057: q=56 alpha=26 beta= 4 bp@n



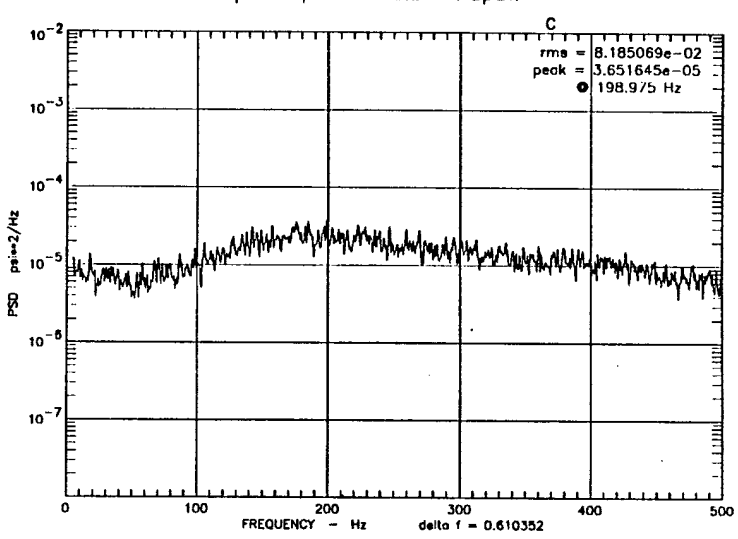
F-15 TPN_3057: q=56 alpha=26 beta=-4 bp@n



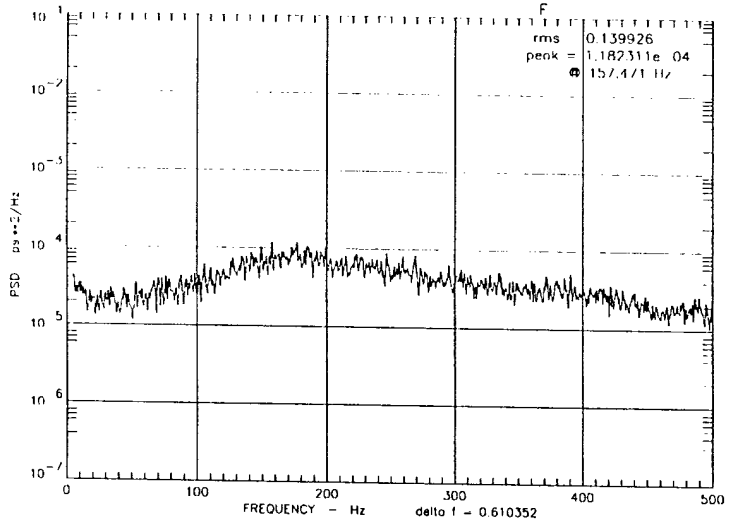
F-15 TPN_3057: q=56 alpha=26 beta=-4 bp@n



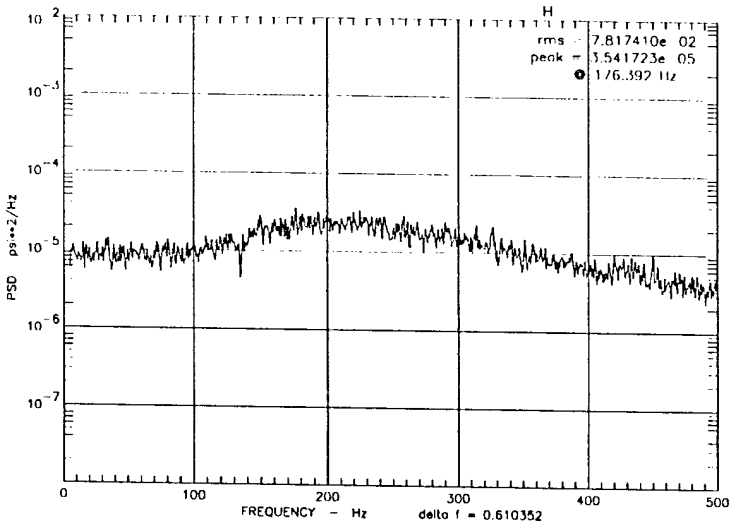
F-15 TPN_3057: q=56 alpha=26 beta=-4 bp@n



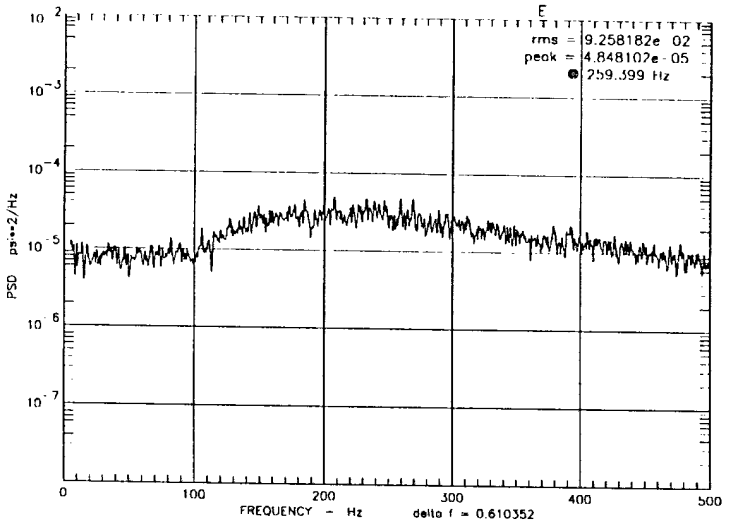
F 15 TPN 3057: q=56 alpha=26 beta= 4 bp@n



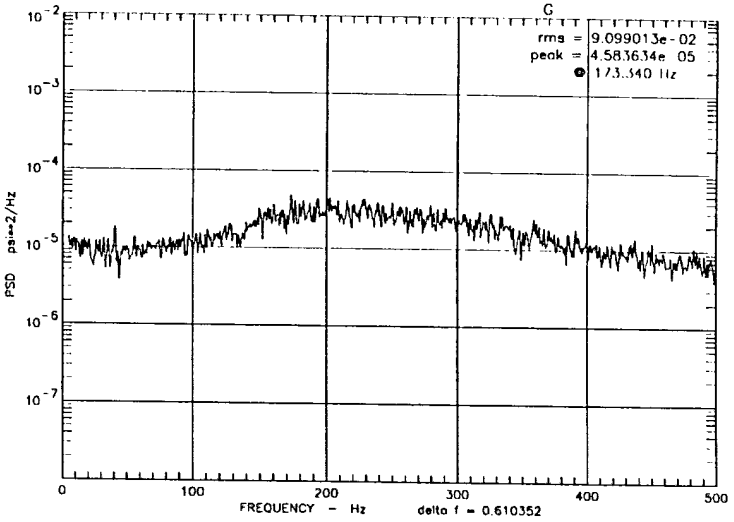
F-15 TPN 3057: q=56 alpha=26 beta=-4 bp@n



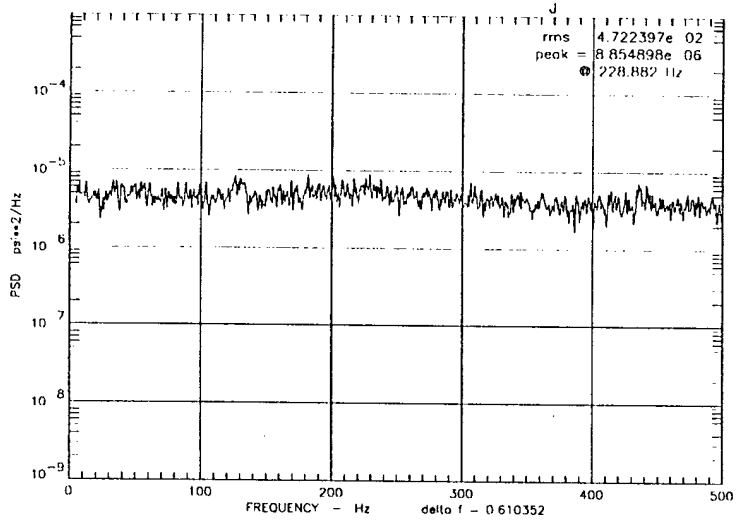
F 15 TPN 3057: q=56 alpha=26 beta=-4 bp@n



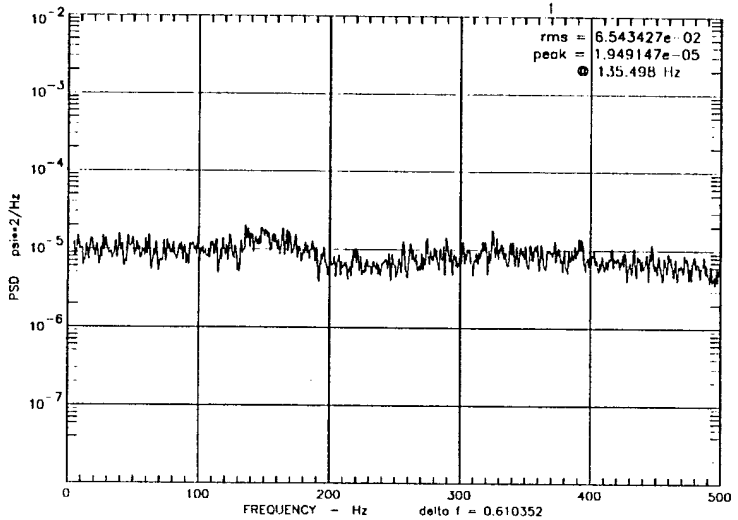
F-15 TPN_3057: q=56 alpha=26 beta=-4 bp@n



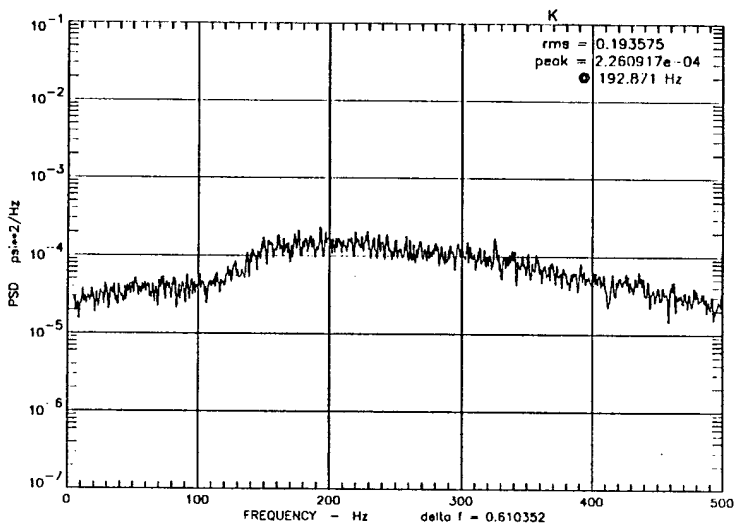
F 15 TPN 3057: q=56 alpha=26 beta=-4 bp@n



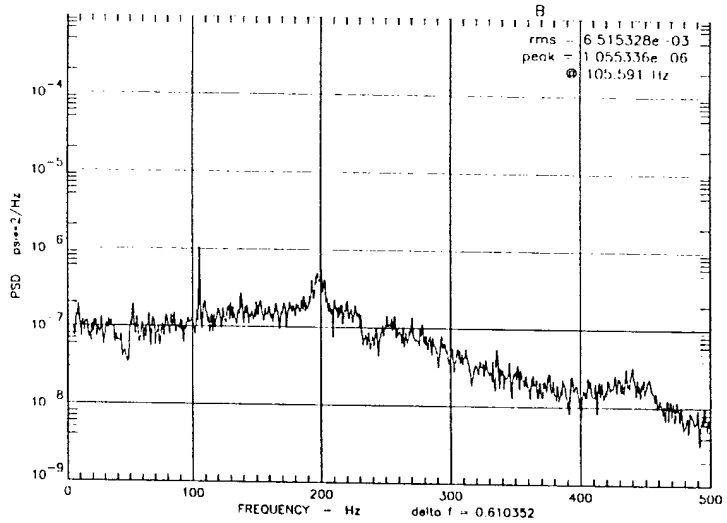
F-15 TPN_3057: q=56 alpha=26 beta=-4 bp@n



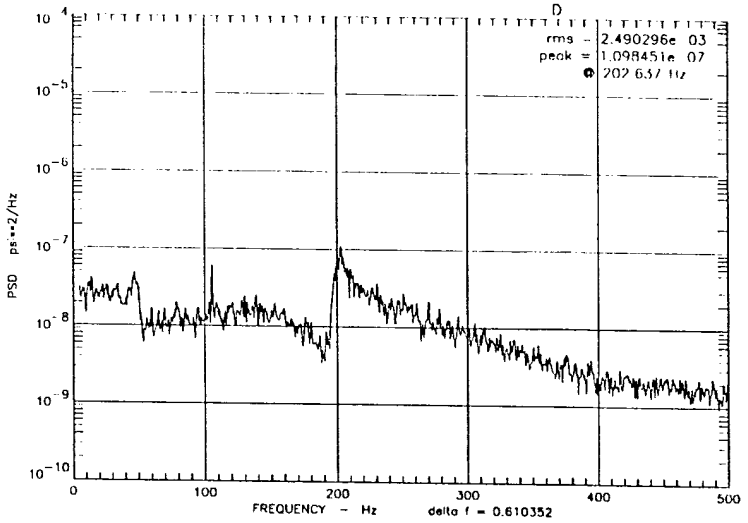
F-15 TPN_3057: q=56 alpha=26 beta=-4 bp@n



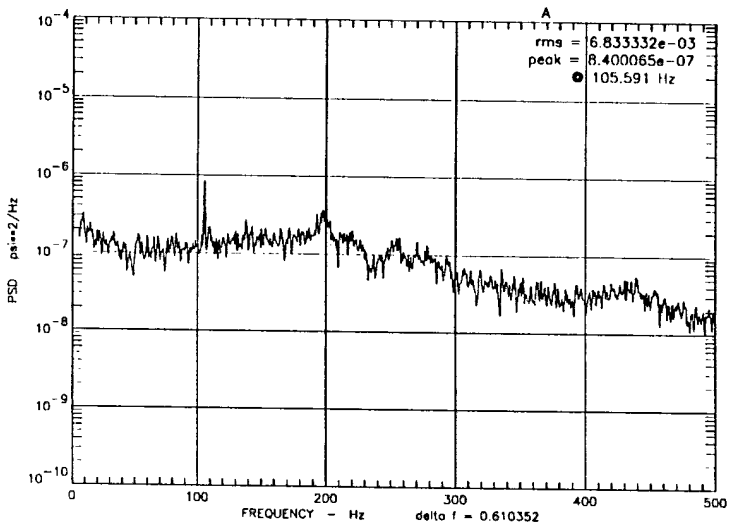
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



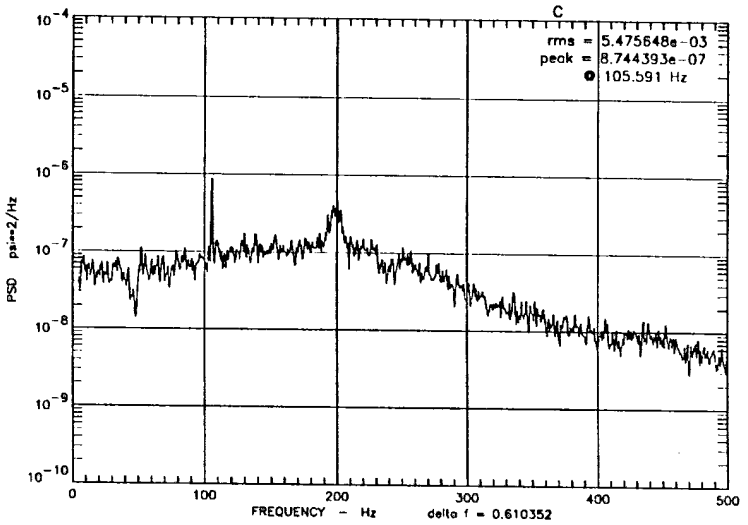
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



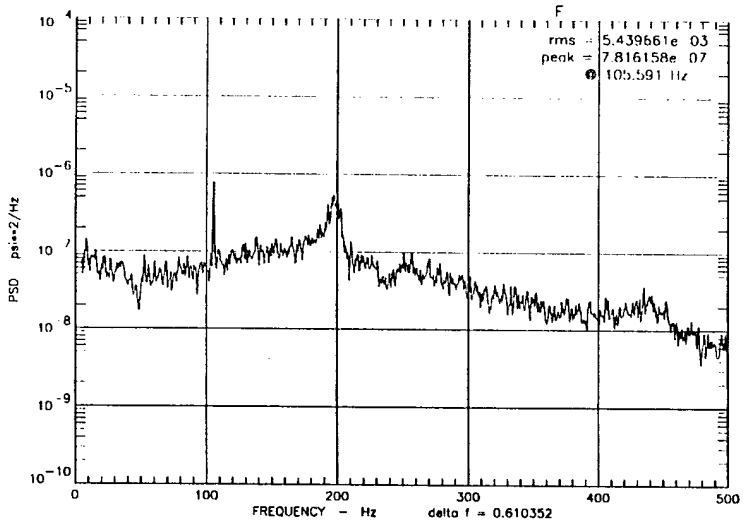
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



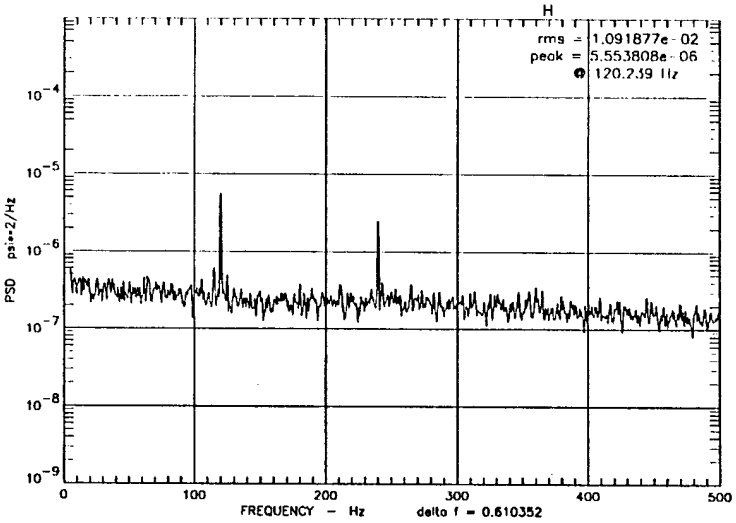
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



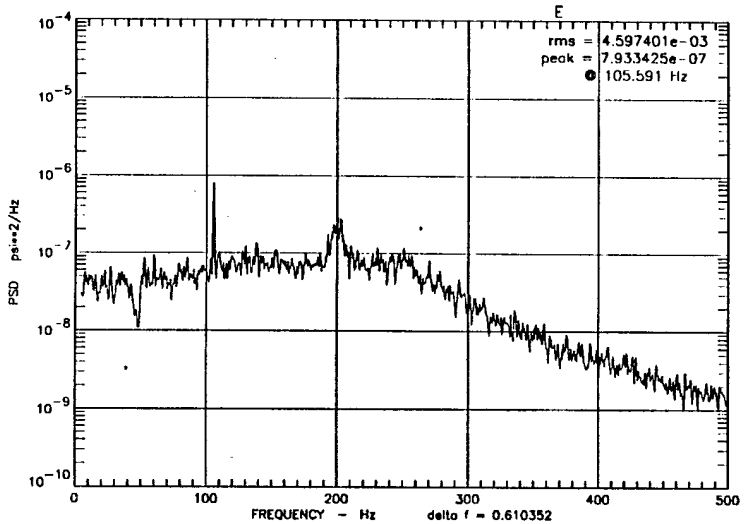
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



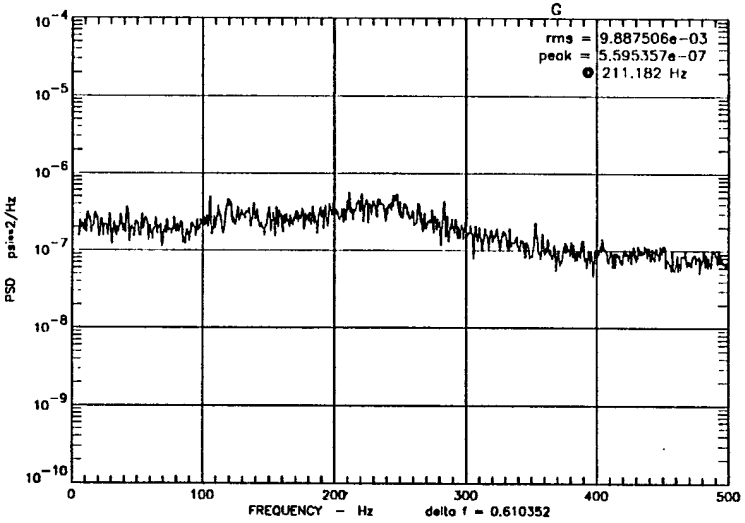
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



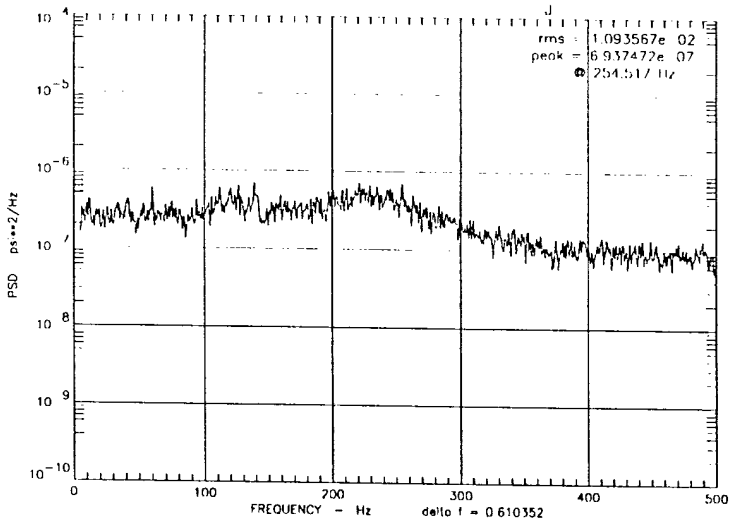
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



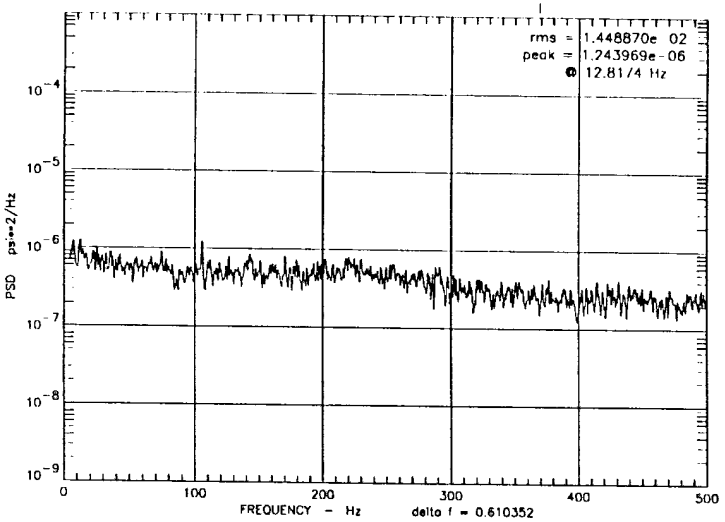
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



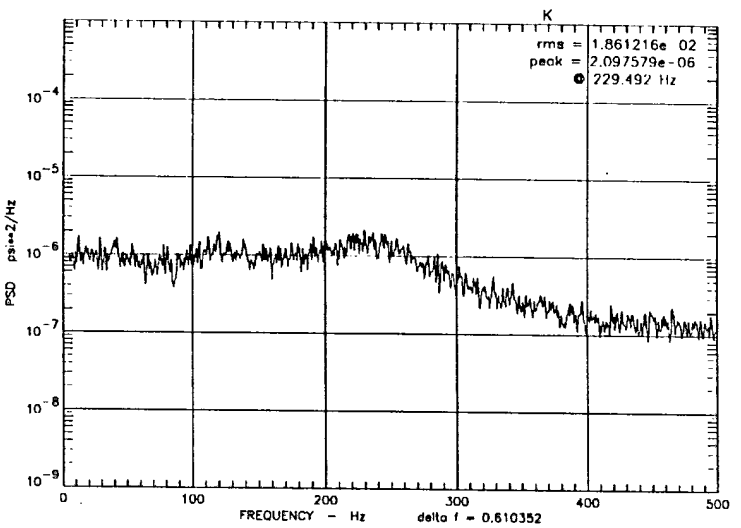
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



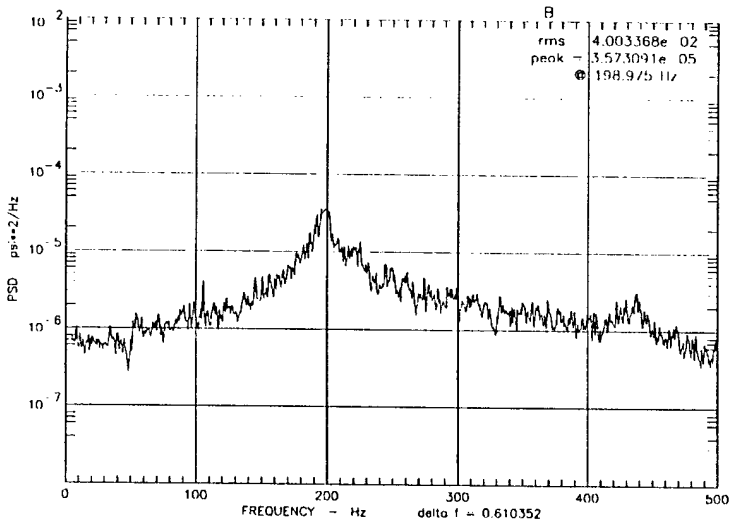
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



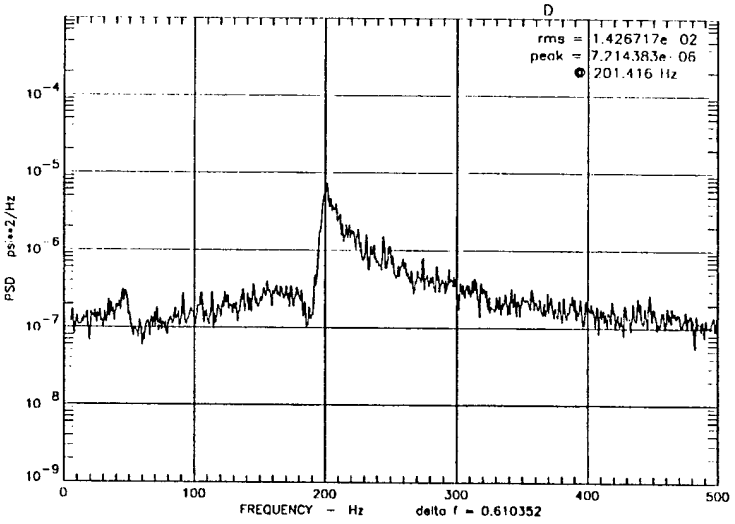
F-15 TPN_3058: q=56 alpha=16 beta=0 bp@n



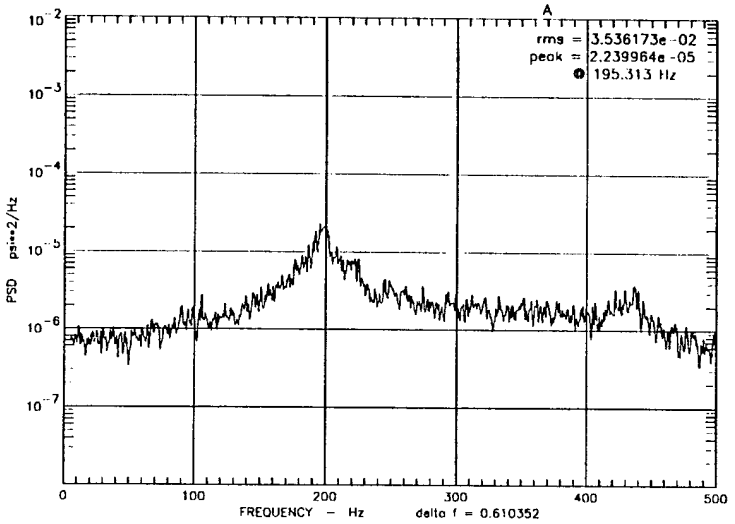
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



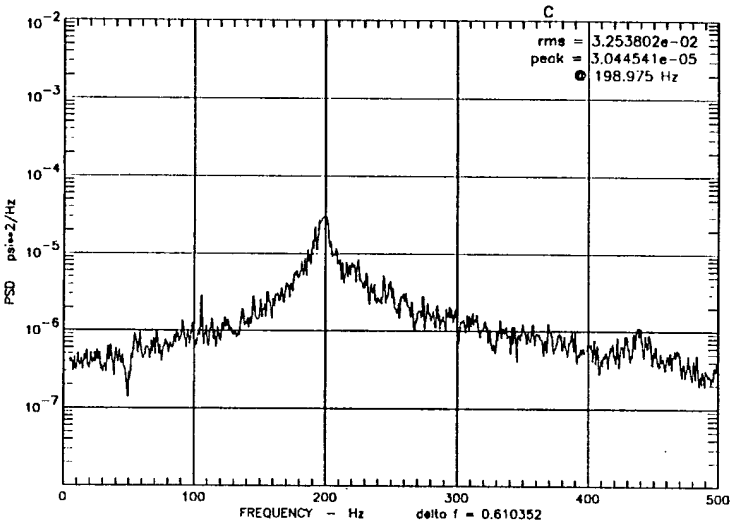
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



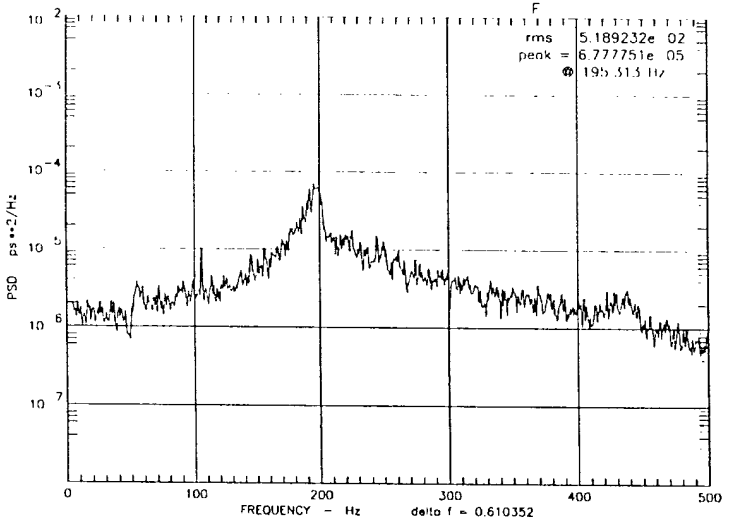
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



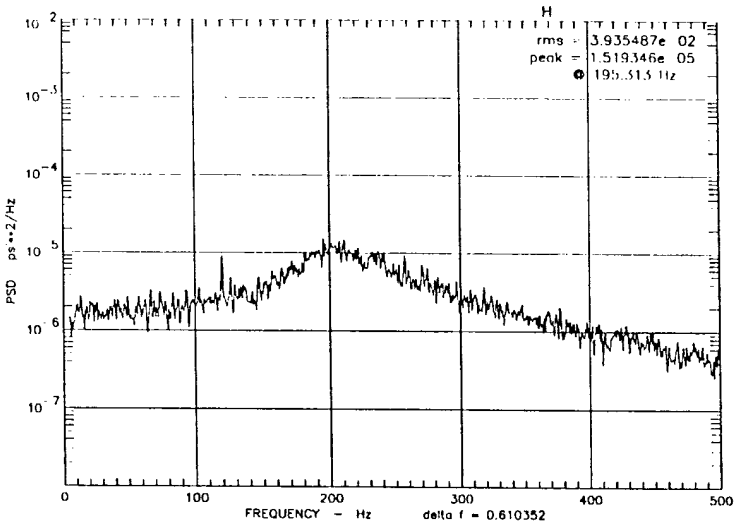
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



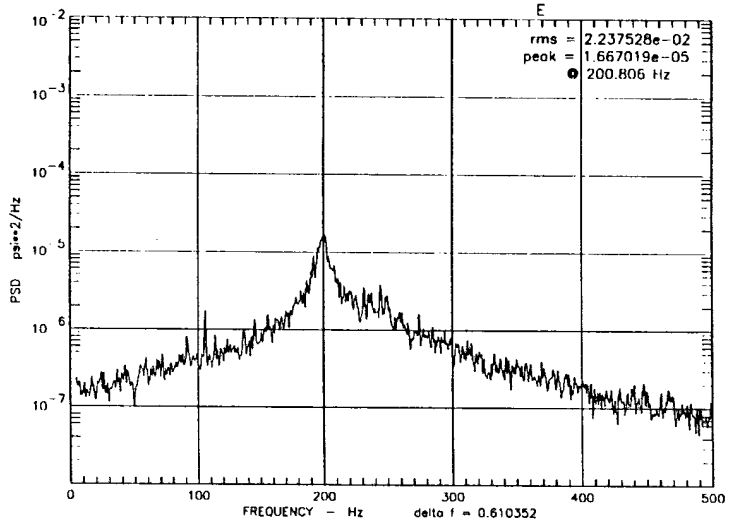
F 15 TPN 3060: q=56 alpha=20 beta=0 bp@n



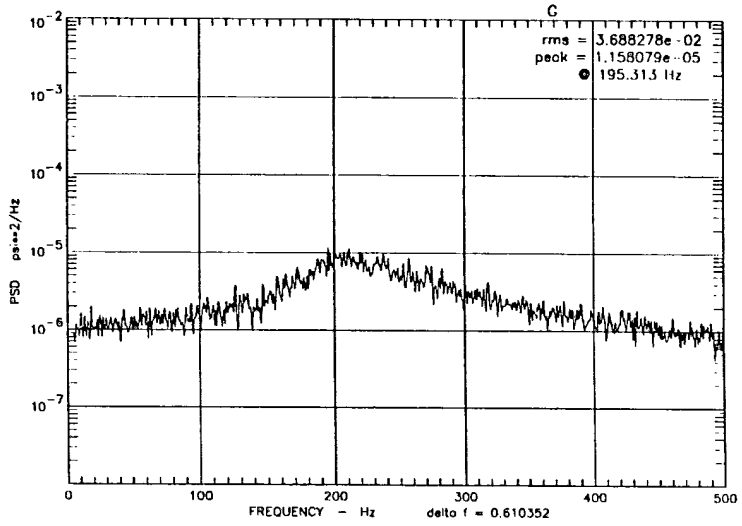
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



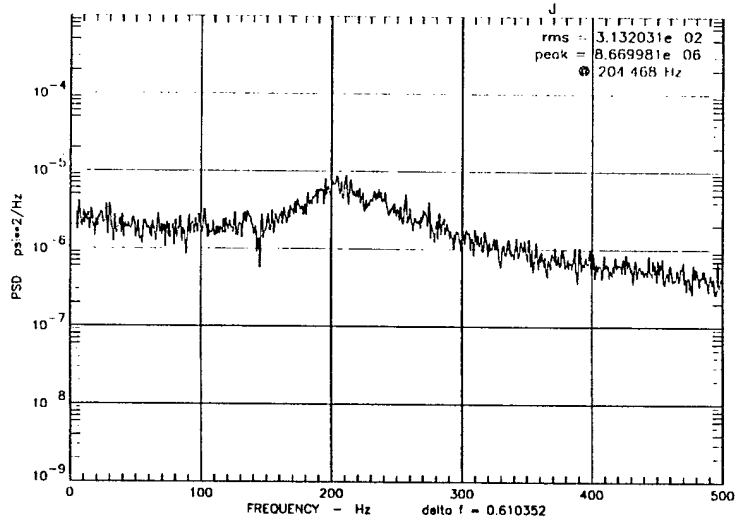
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



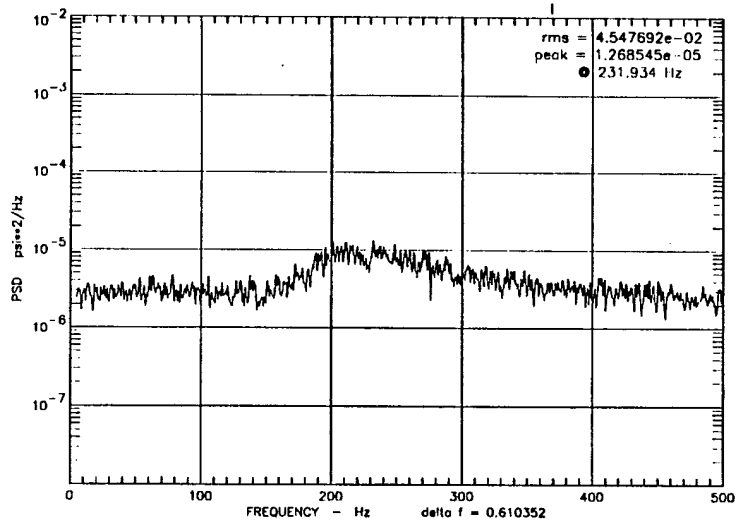
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



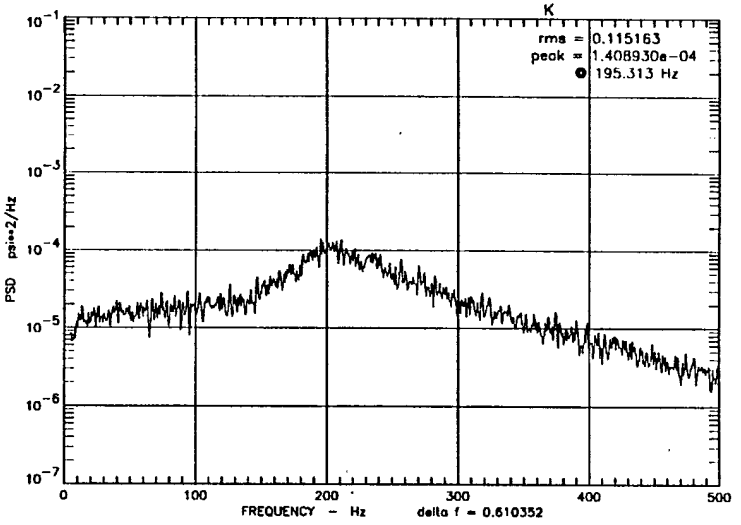
F 15 TPN_3060: q=56 alpha=20 beta=0 bp@n



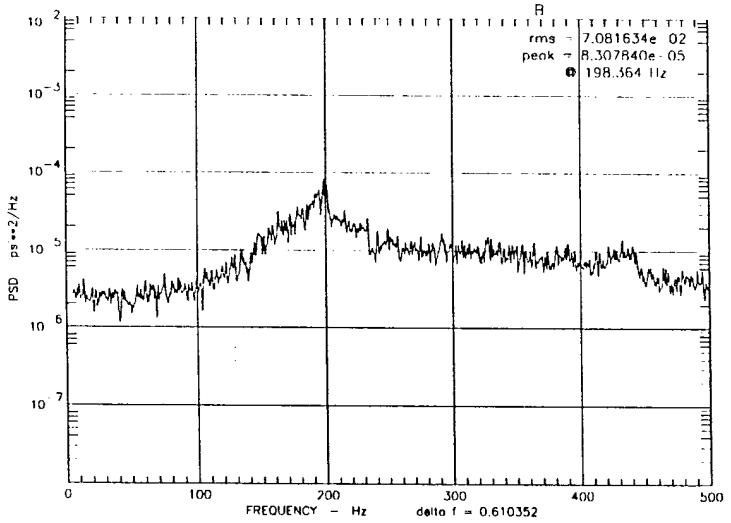
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



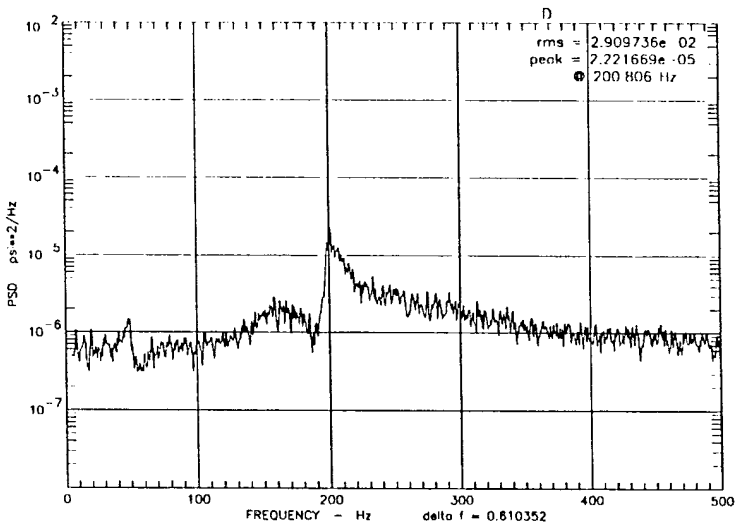
F-15 TPN_3060: q=56 alpha=20 beta=0 bp@n



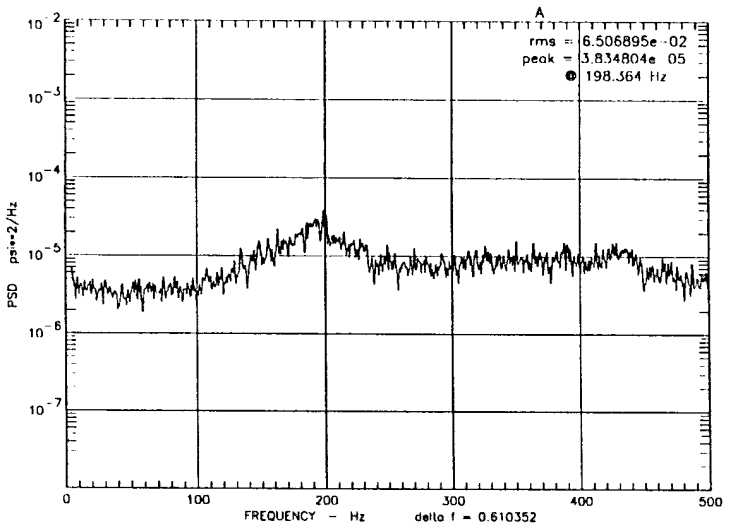
F 15 TPN_3062: q=56 alpha=24 beta=0 bp@n



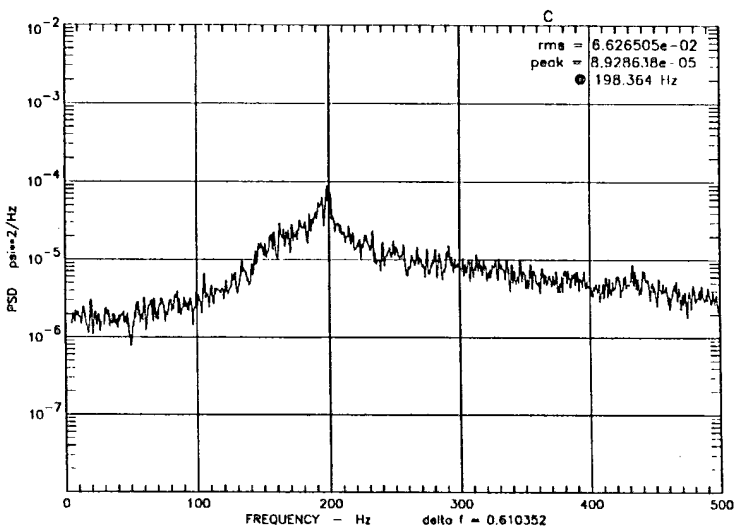
F 15 TPN_3062: q=56 alpha=24 beta=0 bp@n

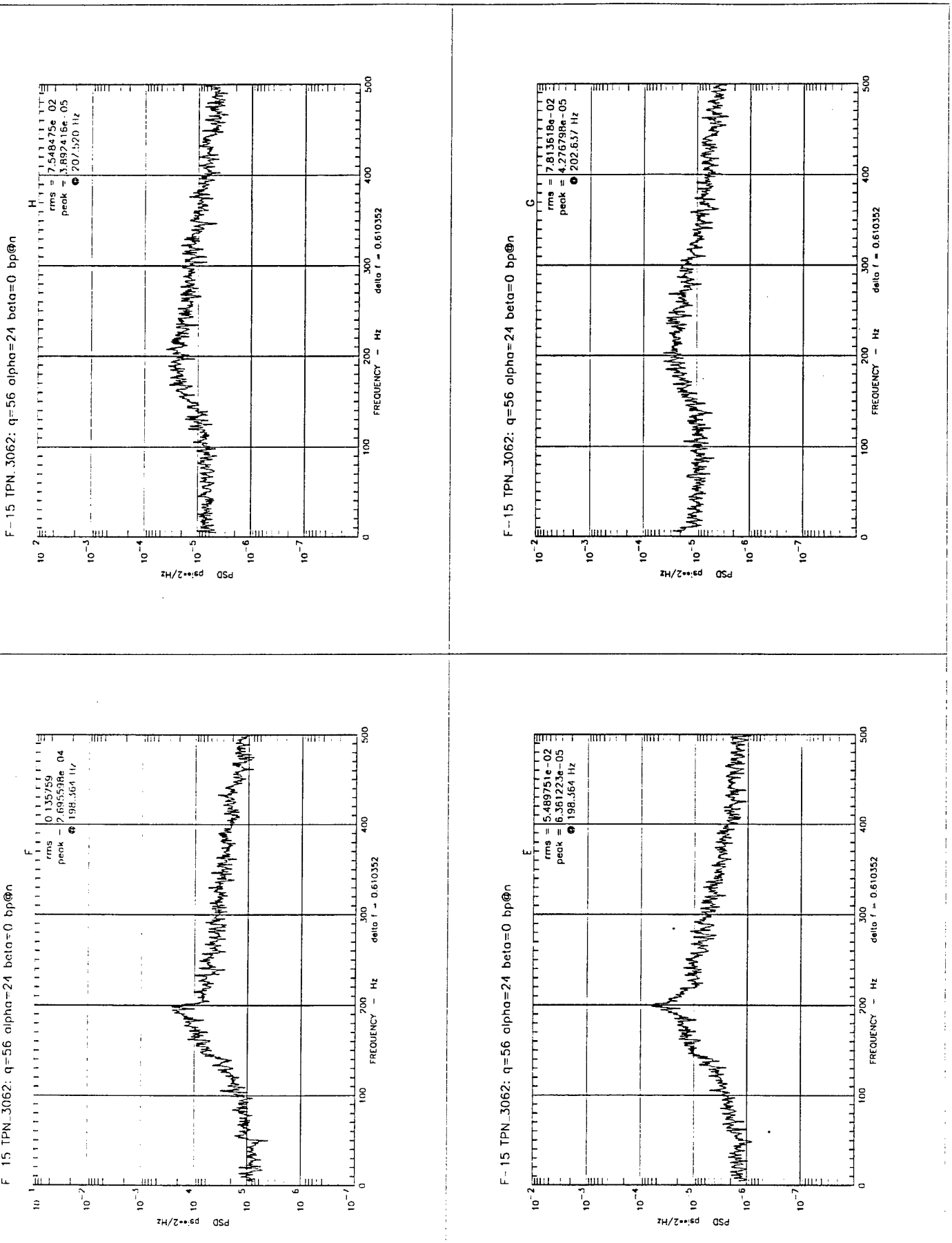


F 15 TPN_3062: q=56 alpha=24 beta=0 bp@n

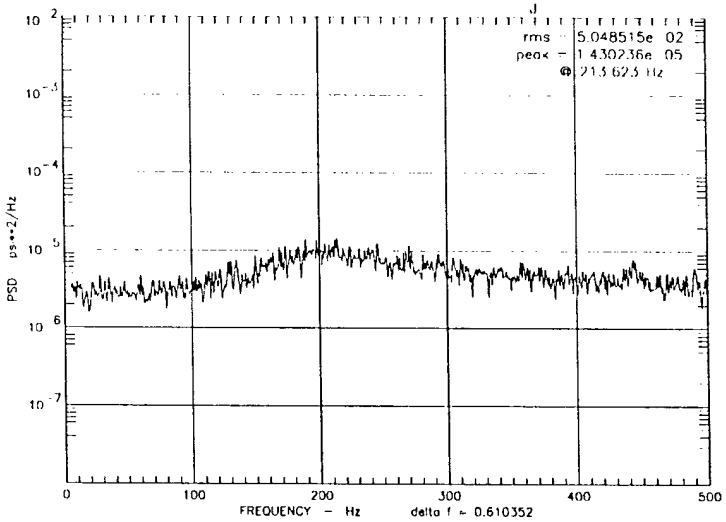


F-15 TPN_3062: q=56 alpha=24 beta=0 bp@n

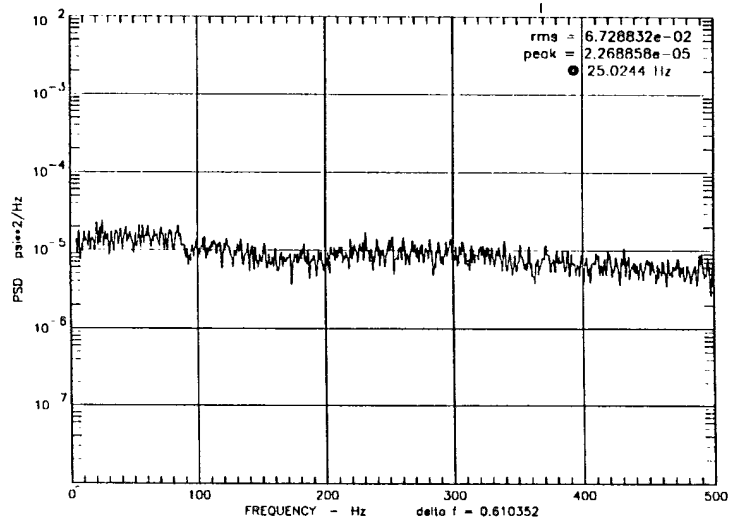



F-15 TPN_3062: q=56 alpha=24 beta=0 bp@n
H
rms = 7.548475e-02
peak = 3.892416e-05
@ 207.520 Hz
delta f = 0.610352
FREQUENCY - Hz
PSD ps**2/Hz
F-15 TPN_3062: q=56 alpha=24 beta=0 bp@n
G
rms = 7.813618e-02
peak = 4.276798e-05
@ 202.637 Hz
delta f = 0.610352
FREQUENCY - Hz
PSD ps**2/Hz
F 15 TPN_3062: q=56 alpha=24 beta=0 bp@n
F
rms = 0.135759
peak = 2.695538e-04
@ 198.364 Hz
delta f = 0.610352
FREQUENCY - Hz
PSD ps**2/Hz
F-15 TPN_3062: q=56 alpha=24 beta=0 bp@n
E
rms = 5.489751e-02
peak = 6.361223e-05
@ 198.364 Hz
delta f = 0.610352
FREQUENCY - Hz
PSD ps**2/Hz

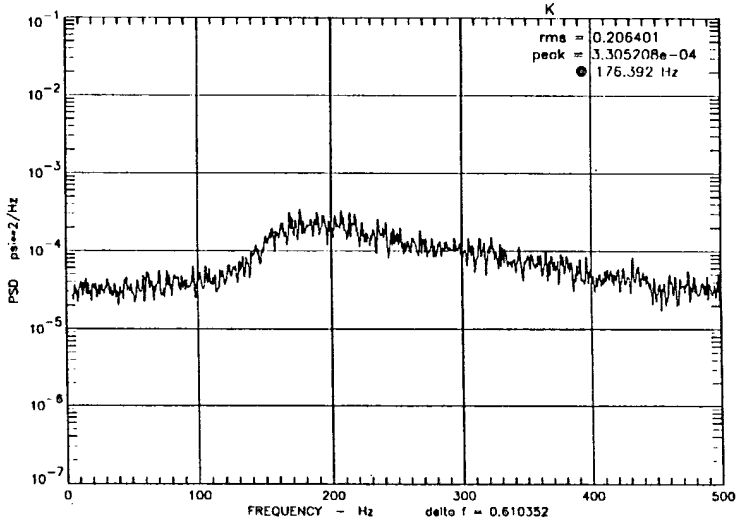
F 15 TPN 3062: q=56 alpha=24 beta=0 bp@n

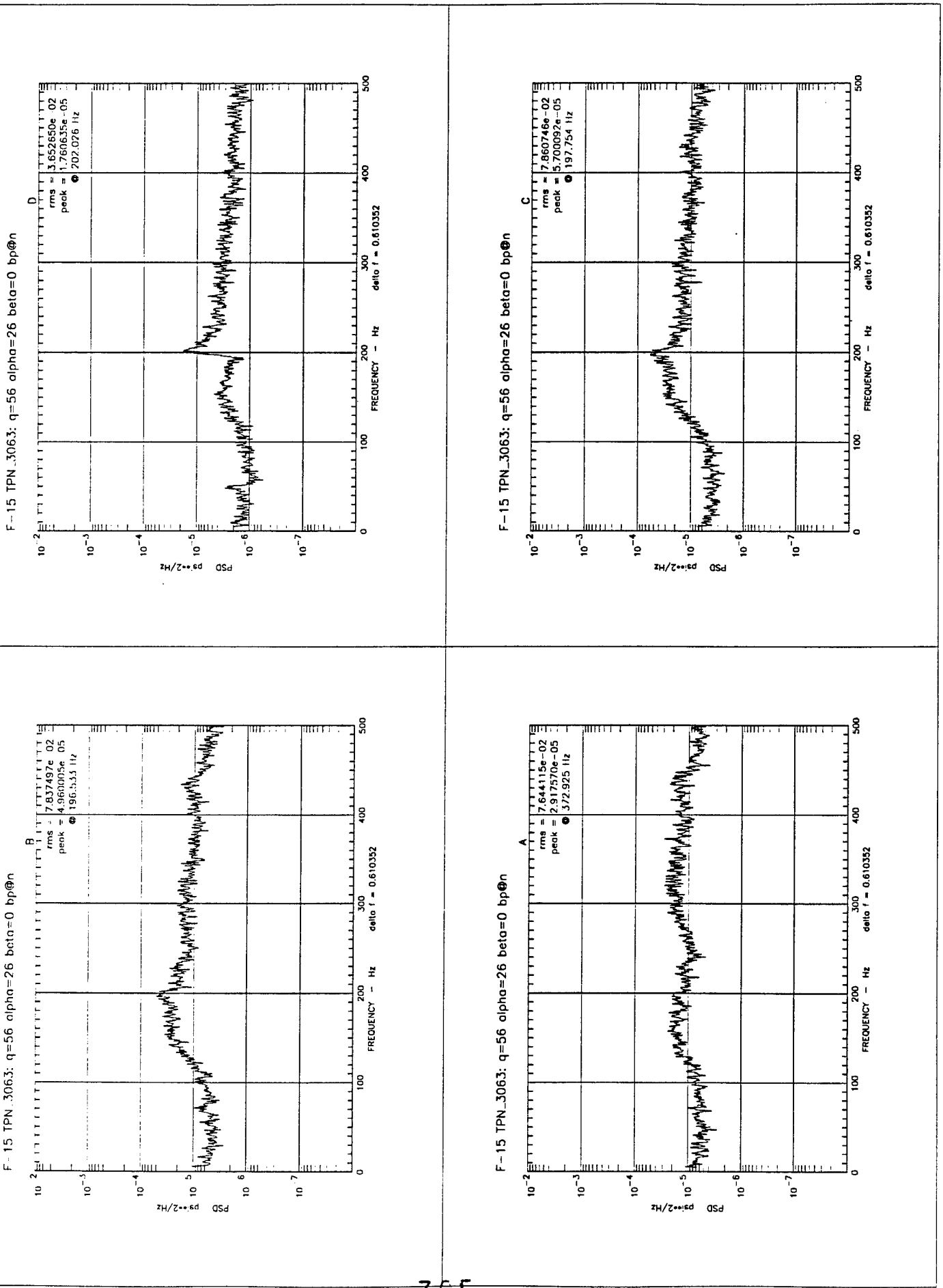


F-15 TPN_3062: q=56 alpha=24 beta=0 bp@n

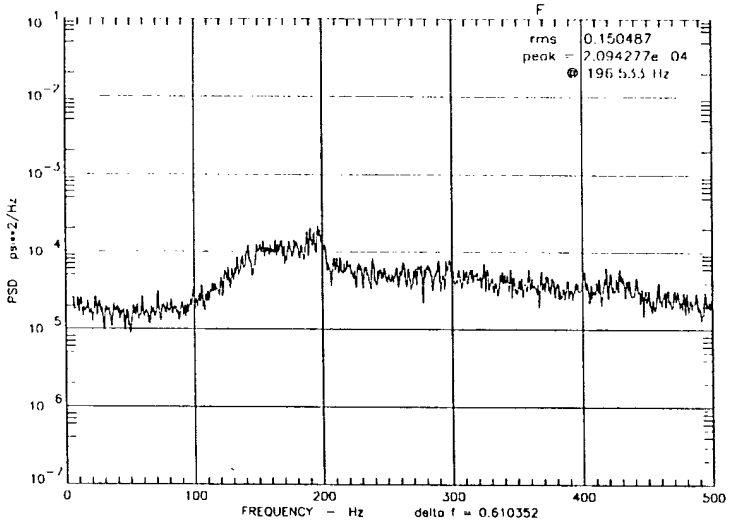


F-15 TPN_3062: q=56 alpha=24 beta=0 bp@n

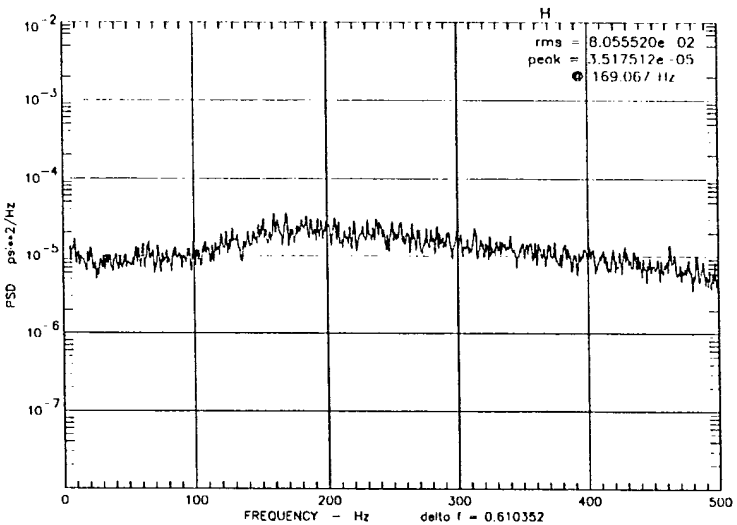



F-15 TPN_3063: q=56 alpha=26 beta=0 bp@n
D
rms = 3.652650e-02
peak = 1.760635e-05
@ 202.026 Hz
F-15 TPN_3063: q=56 alpha=26 beta=0 bp@n
C
rms = 7.860746e-02
peak = 5.700092e-05
@ 197.754 Hz
F-15 TPN_3063: q=56 alpha=26 beta=0 bp@n
B
rms = 7.837497e-02
peak = 4.960005e-05
@ 196.533 Hz
F-15 TPN_3063: q=56 alpha=26 beta=0 bp@n
A
rms = 7.644115e-02
peak = 2.917570e-05
@ 372.925 Hz
PSD
FREQUENCY - Hz
delta f = 0.610352

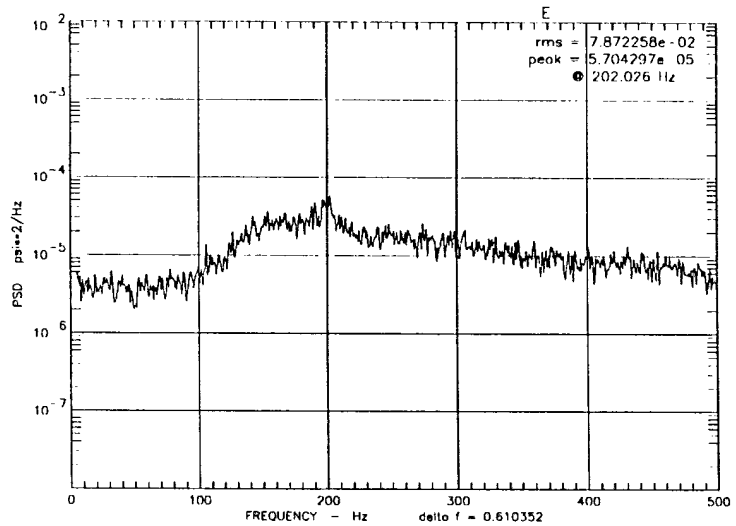
F 15 TPN 3063: q=56 alpha=26 beta=0 bp@n



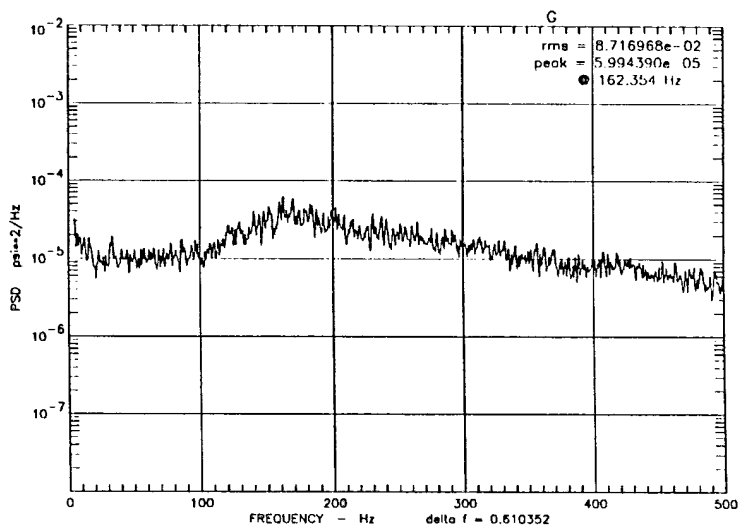
F 15 TPN 3063: q=56 alpha=26 beta=0 bp@n

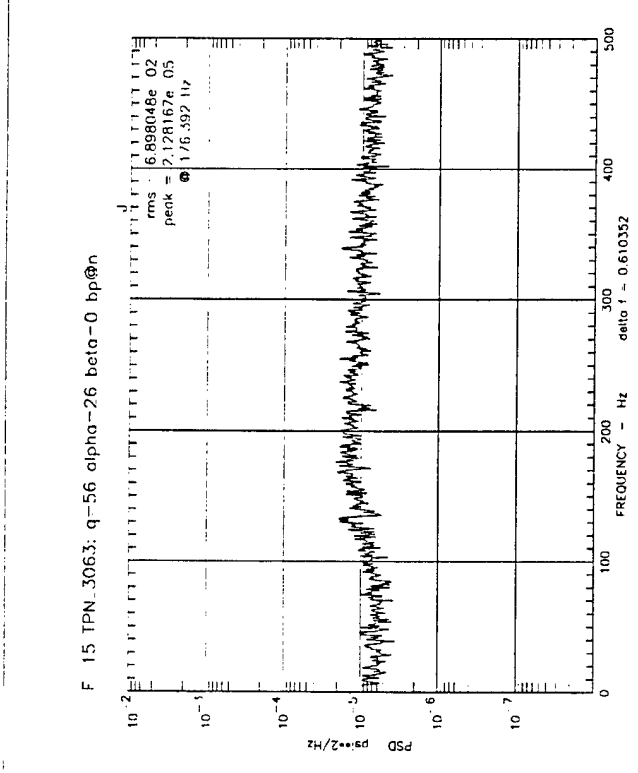


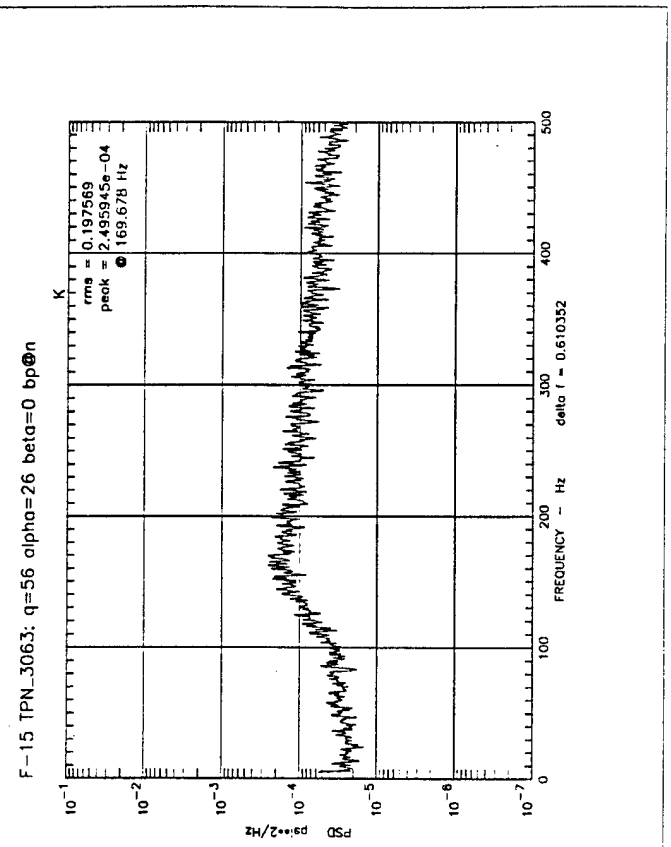
F 15 TPN 3063: q=56 alpha=26 beta=0 bp@n

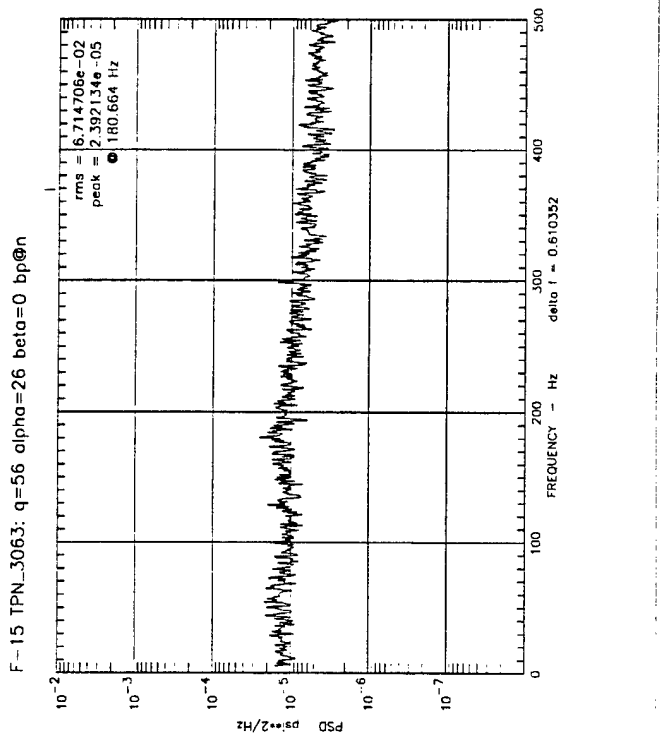


F 15 TPN 3063: q=56 alpha=26 beta=0 bp@n

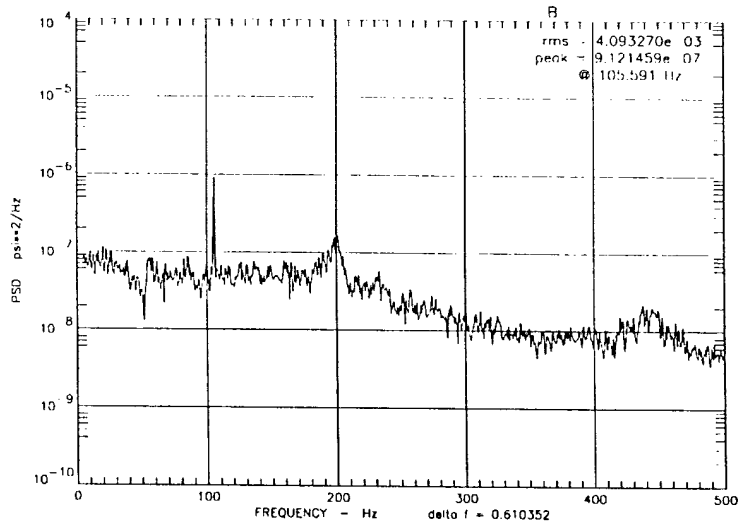



F 15 TPN_3063: q=56 alpha=26 beta=0 bp@n
J
rms = 6.898048e-02
peak = 2.128167e-05
@ 176.392 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352

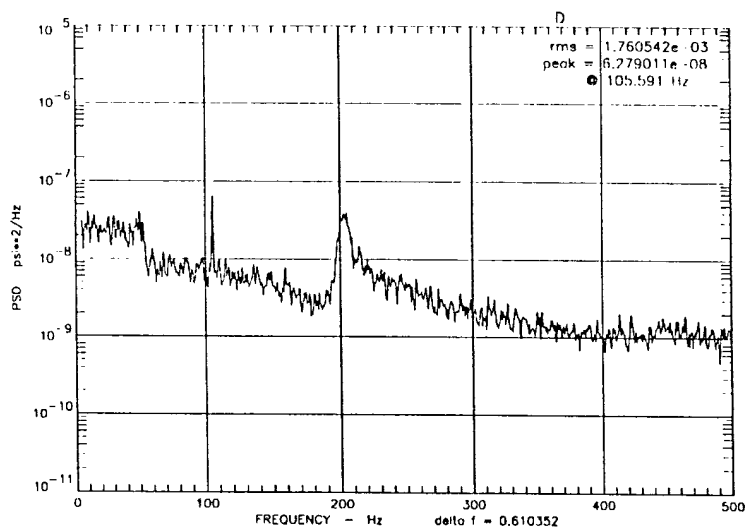

F-15 TPN_3063: q=56 alpha=26 beta=0 bp@n
K
rms = 0.197569
peak = 2.495945e-04
@ 169.678 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3063: q=56 alpha=26 beta=0 bp@n
I
rms = 6.714706e-02
peak = 2.392134e-05
@ 180.664 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352

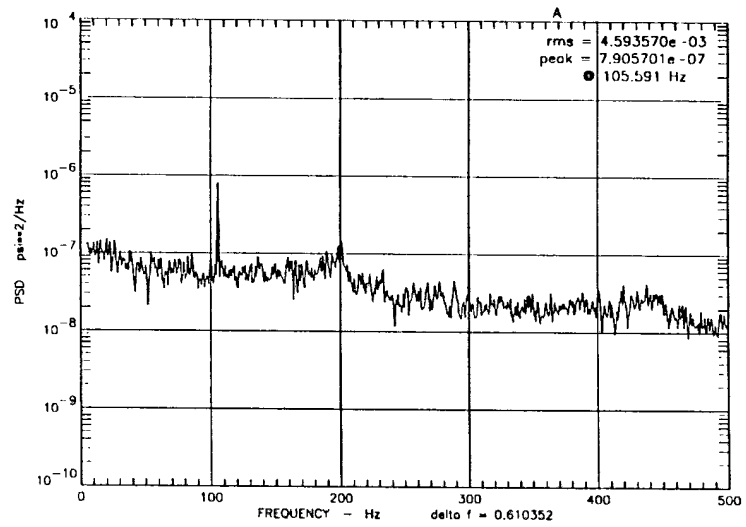
F 15 TPN .3064: q=56 alpha=16 beta=4 bp@n



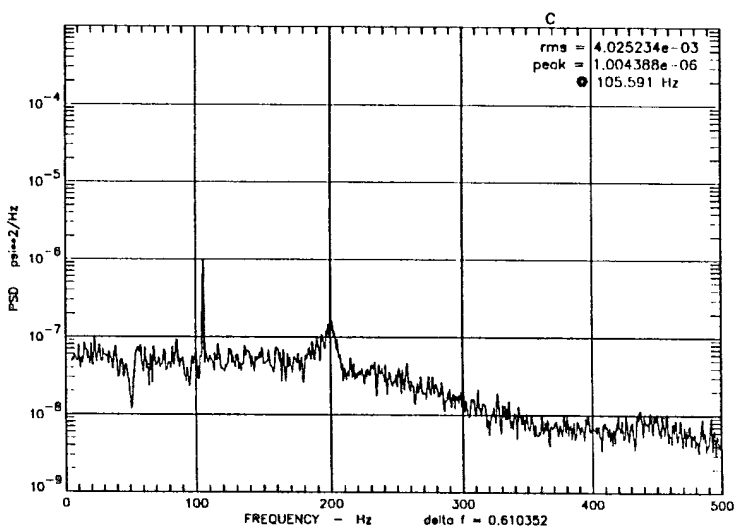
F -15 TPN 3064: q=56 alpha=16 beta=4 bp@n

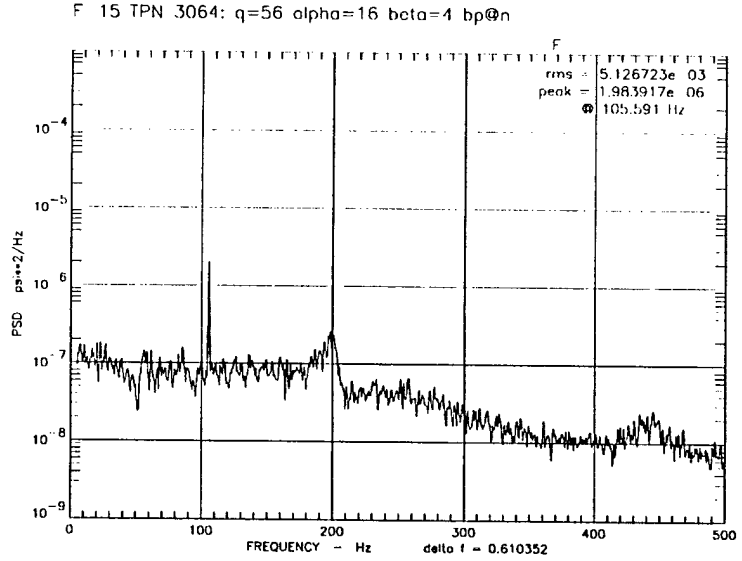


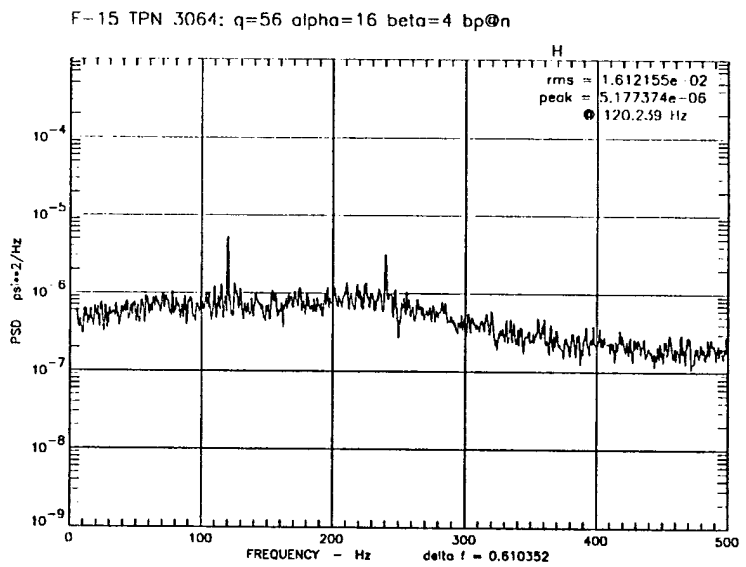
F-15 TPN_3064: q=56 alpha=16 beta=4 bp@n

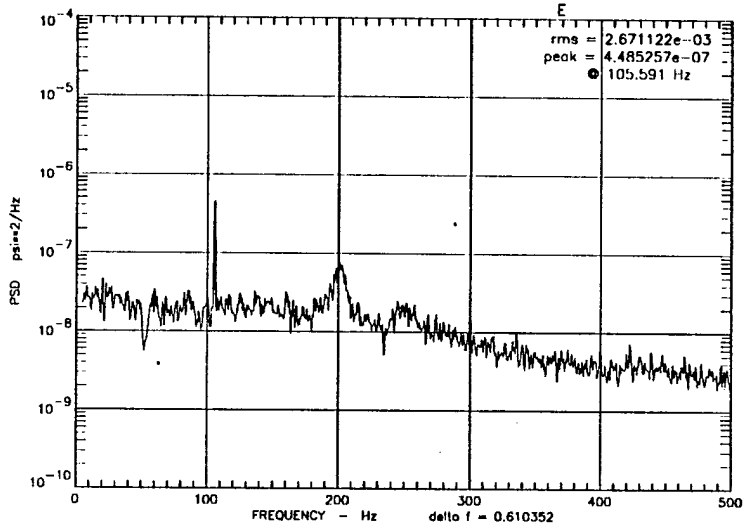


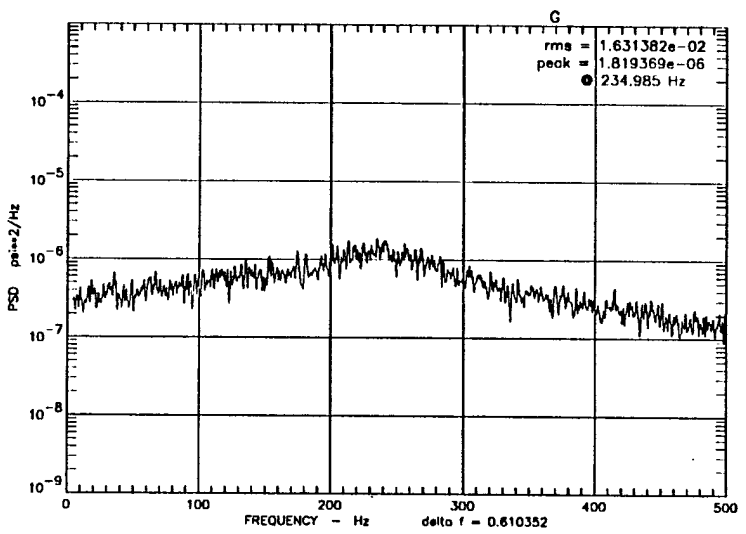
F-15 TPN_3064: q=56 alpha=16 beta=4 bp@n



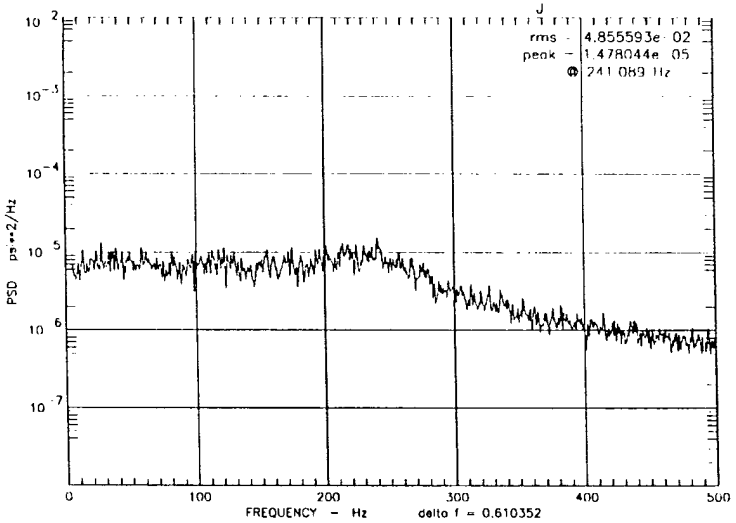

F 15 TPN 3064: q=56 alpha=16 beta=4 bp@n
F
rms = 5.126723e-03
peak = 1.983917e-06
@ 105.591 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN 3064: q=56 alpha=16 beta=4 bp@n
H
rms = 1.612155e-02
peak = 5.177374e-06
@ 120.239 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

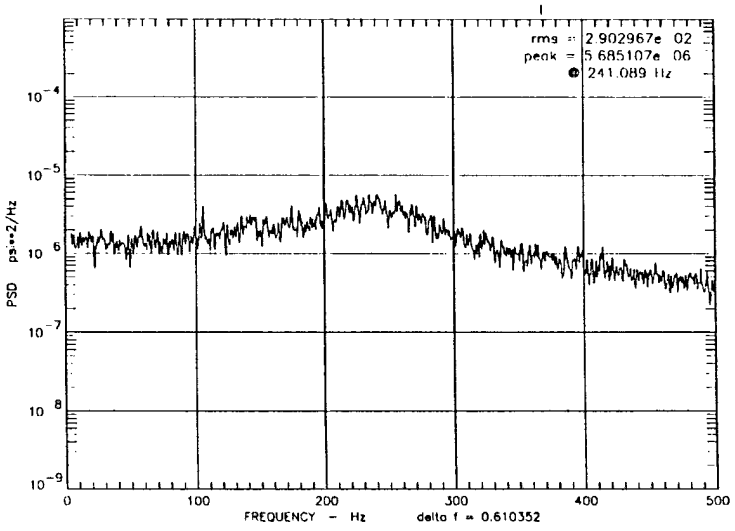

F-15 TPN_3064: q=56 alpha=16 beta=4 bp@n
E
rms = 2.671122e-03
peak = 4.485257e-07
@ 105.591 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3064: q=56 alpha=16 beta=4 bp@n
G
rms = 1.631382e-02
peak = 1.819369e-06
@ 234.985 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

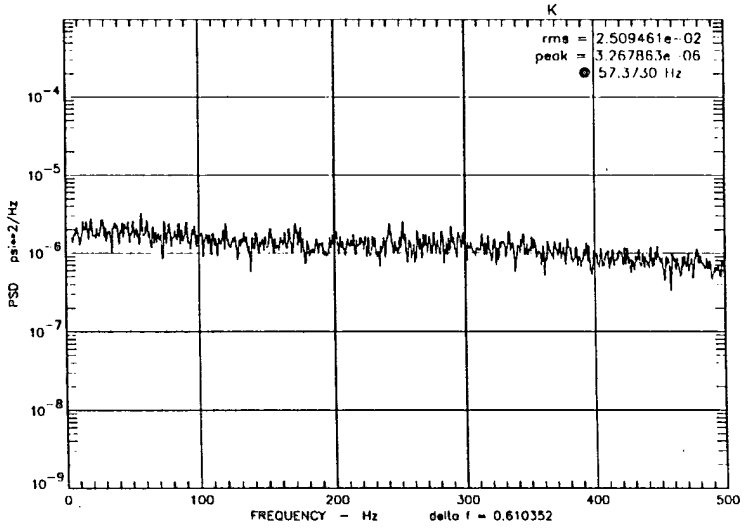
F 15 TPN_3064: q=56 alpha=16 beta=4 bp@n



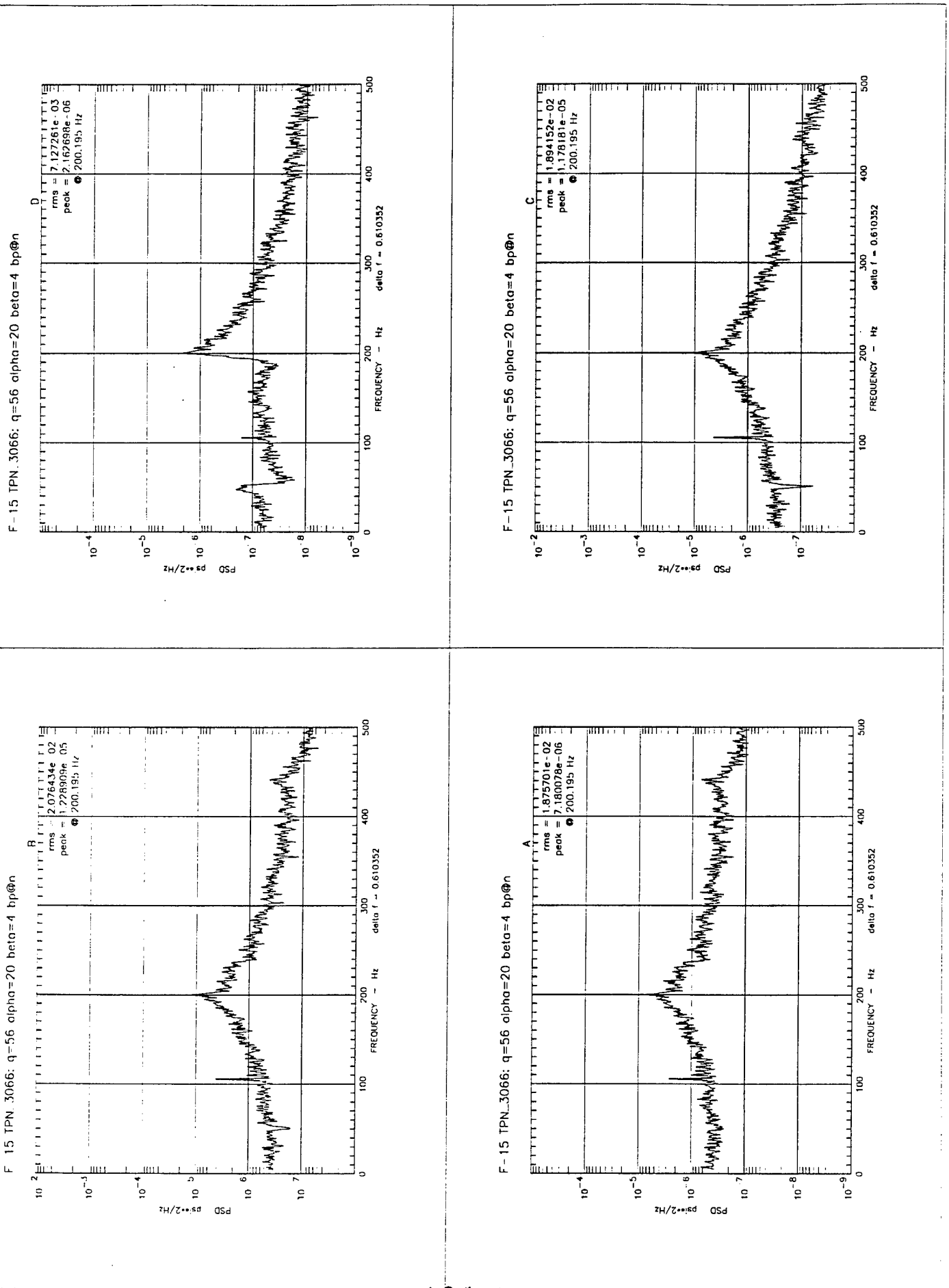
F-15 TPN_3064: q=56 alpha=16 beta=4 bp@n



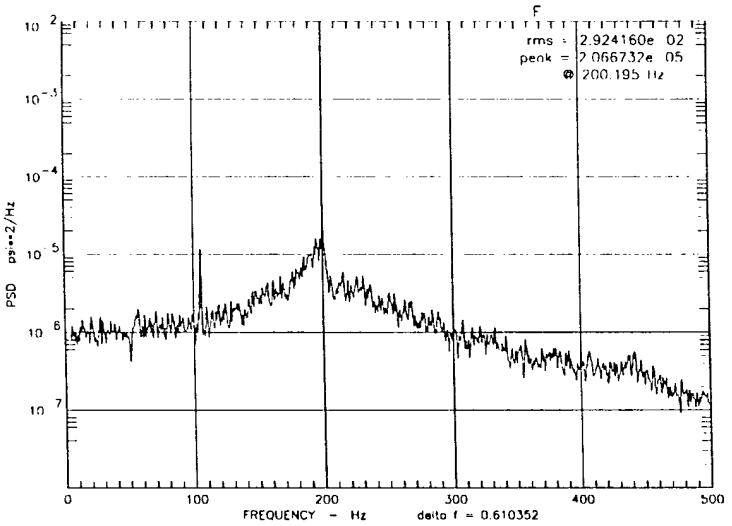
F-15 TPN_3064: q=56 alpha=16 beta=4 bp@n



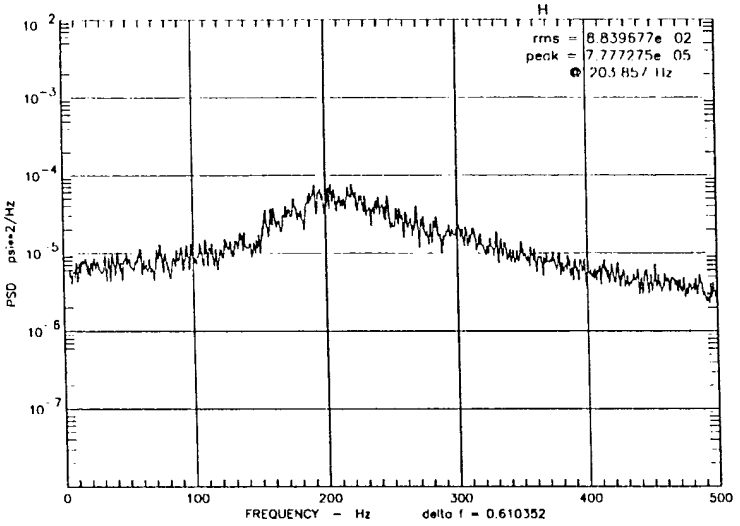
400


F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n
D
rms = 7.127261e-03
peak = 2.162698e-06
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n
C
rms = 1.894152e-02
peak = 1.178181e-05
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n
B
rms = 2.076434e-02
peak = 1.228909e-05
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n
A
rms = 1.875701e-02
peak = 7.180078e-06
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

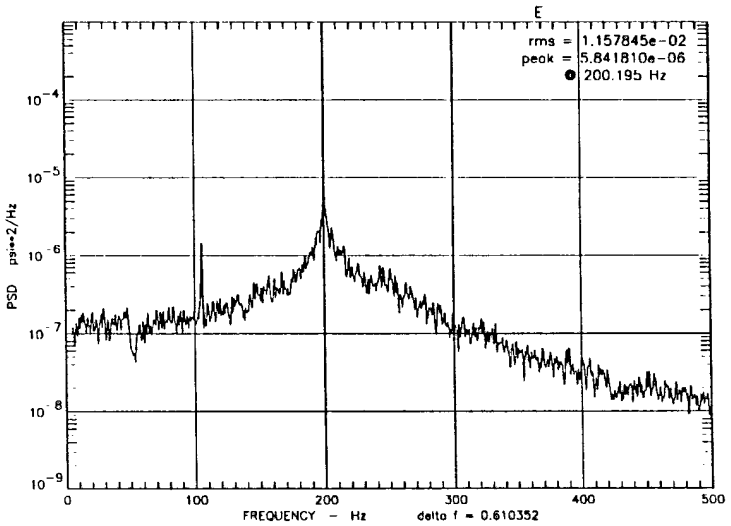
F 15 TPN 3066: q=56 alpha=20 beta=4 bp@n



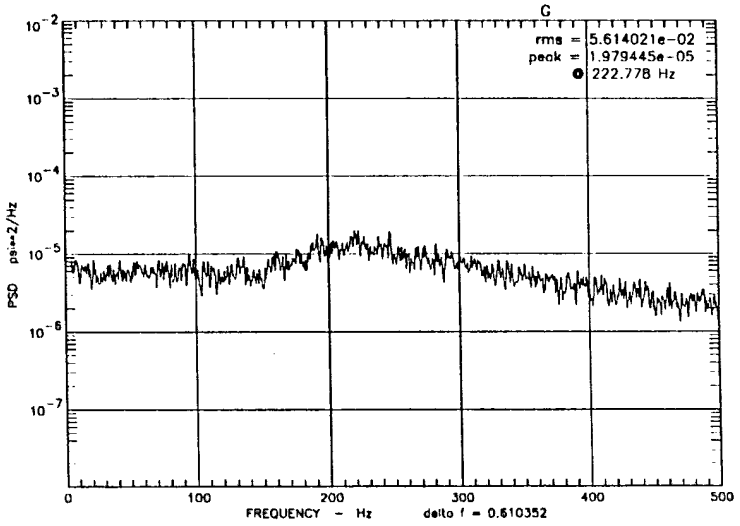
F- 15 TPN 3066: q=56 alpha=20 beta=4 bp@n



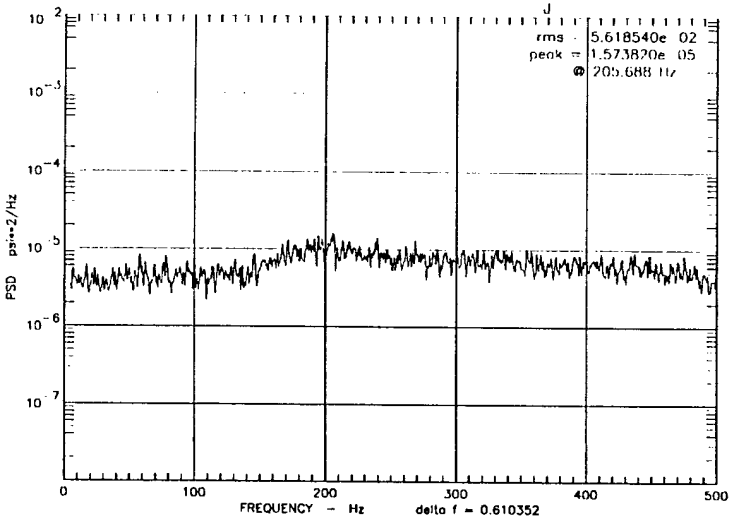
F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n



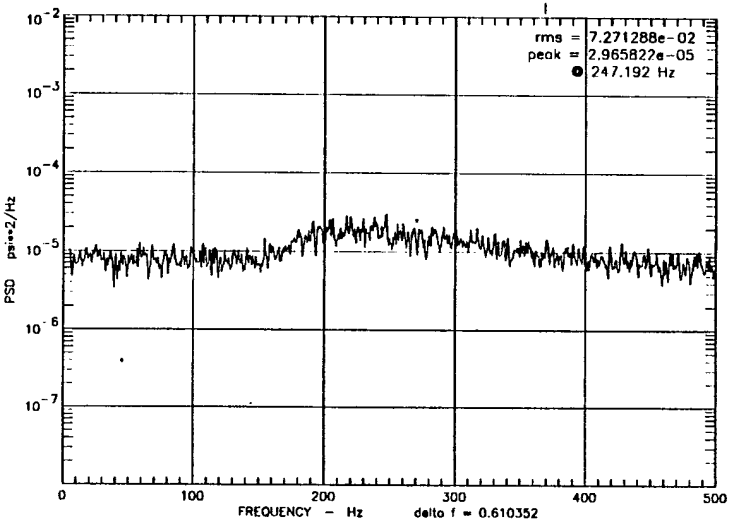
F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n



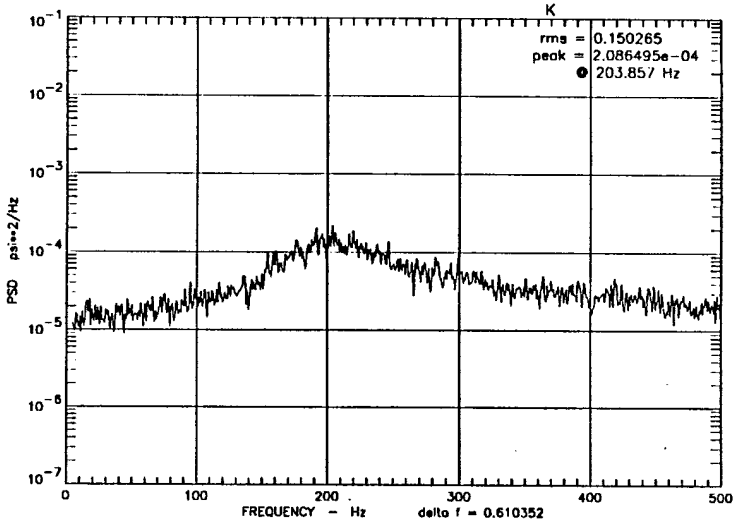
F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n



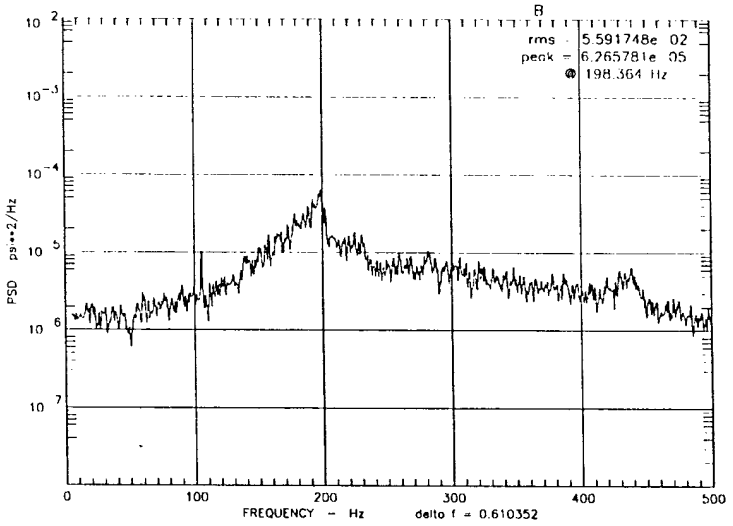
F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n



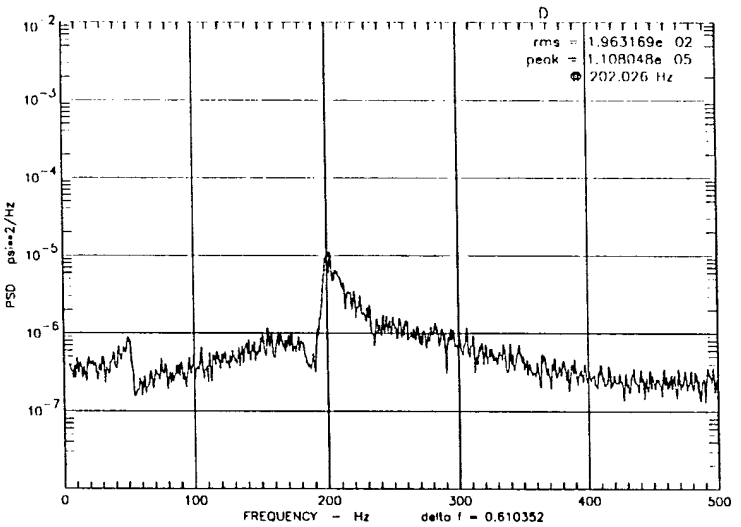
F-15 TPN_3066: q=56 alpha=20 beta=4 bp@n



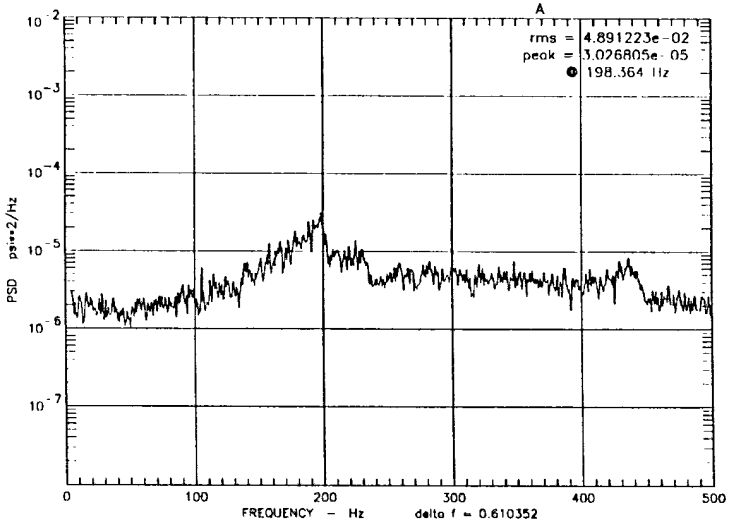
F 15 TPN 3068: q=56 alpha=24 beta=4 bp@n



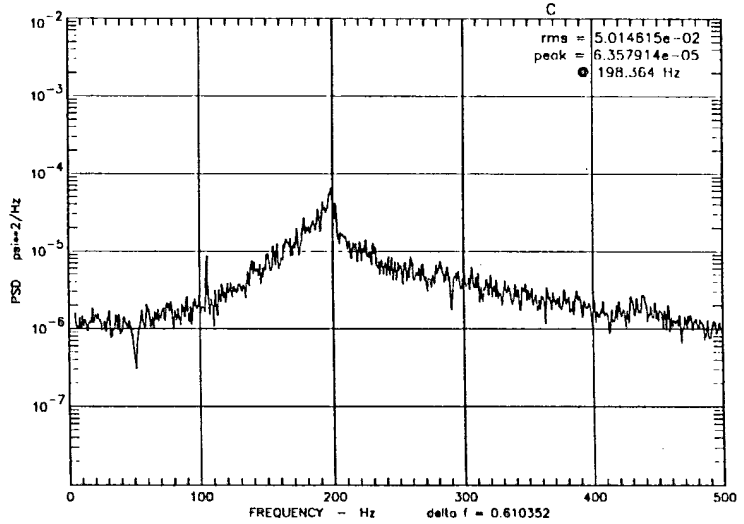
F-15 TPN 3068: q=56 alpha=24 beta=4 bp@n



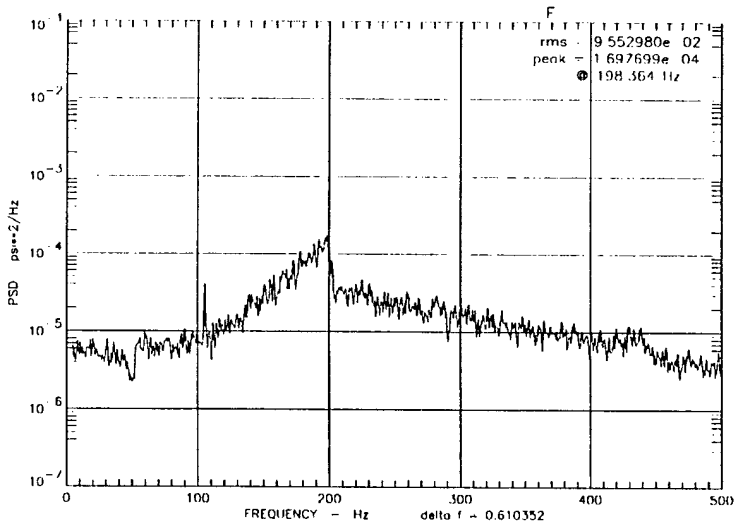
F-15 TPN_3068: q=56 alpha=24 beta=4 bp@n



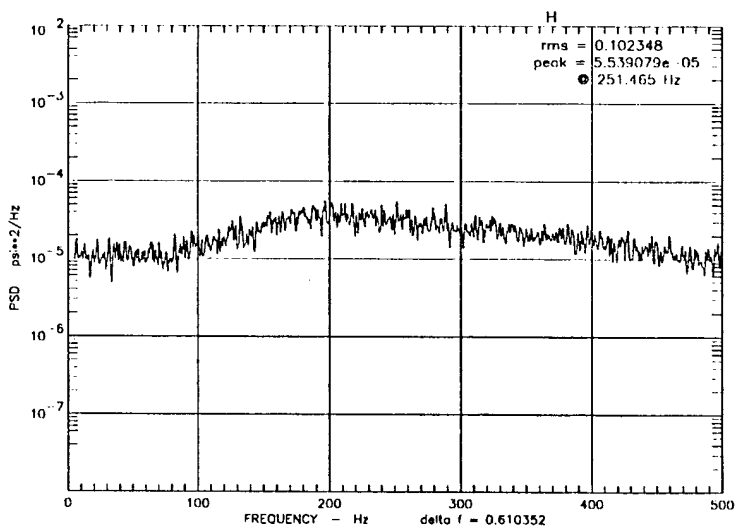
F-15 TPN_3068: q=56 alpha=24 beta=4 bp@n



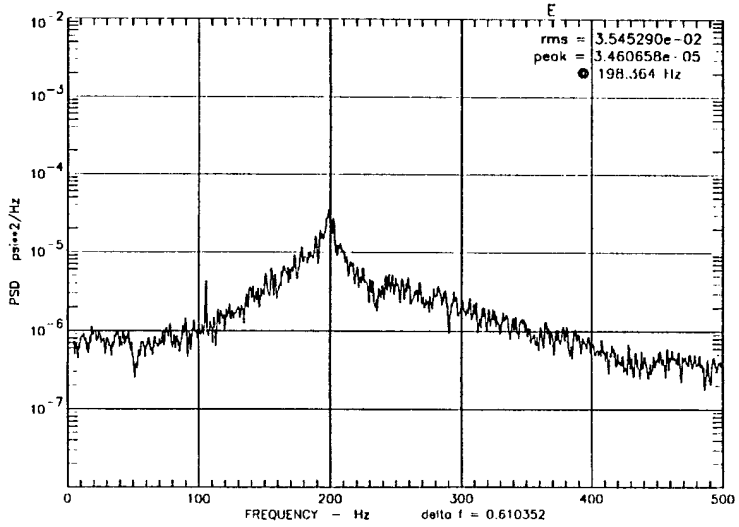
F 15 TPN 3068: q=56 alpha=24 beta=4 bp@n



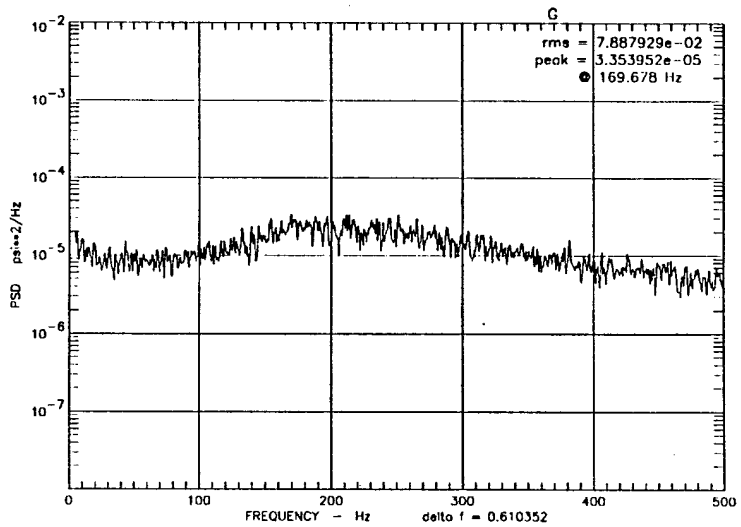
F-15 TPN_3068: q=56 alpha=24 beta=4 bp@n



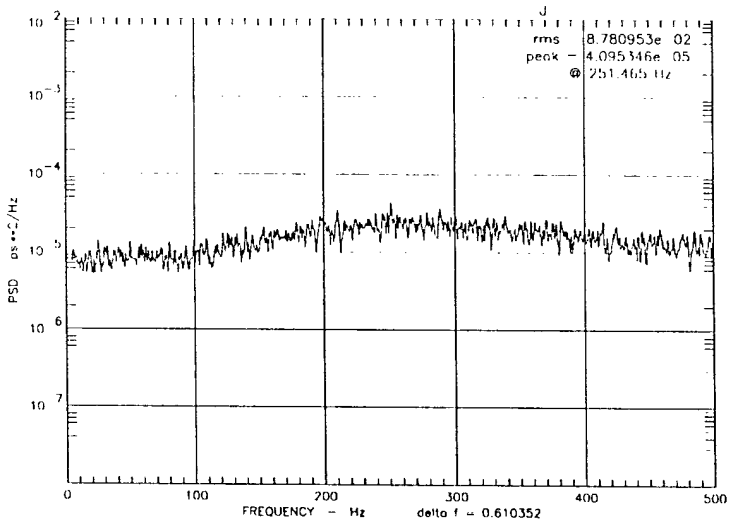
F-15 TPN_3068: q=56 alpha=24 beta=4 bp@n



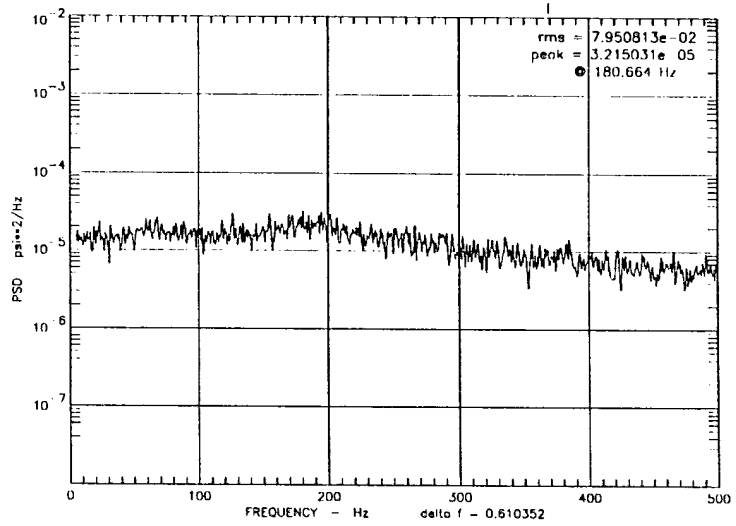
F-15 TPN_3068: q=56 alpha=24 beta=4 bp@n



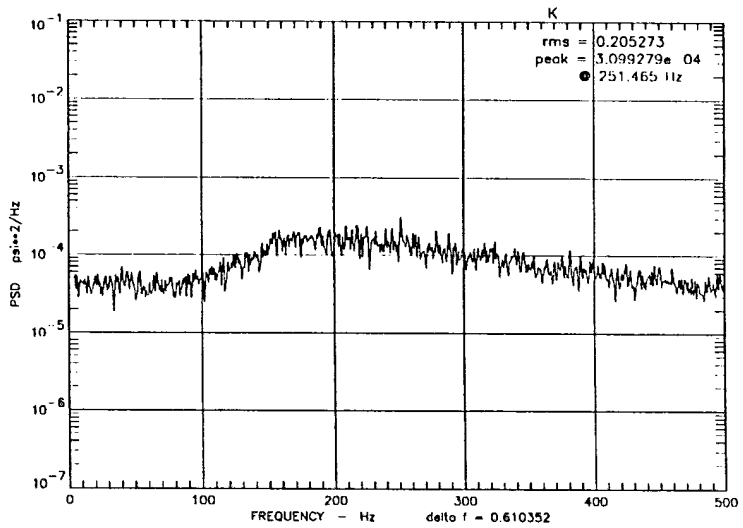
F 15 TPN 3068: q=56 alpha=24 beta=4 bp@n



F-15 TPN_3068: q=56 alpha=24 beta=4 bp@n



F-15 TPN_3068: q=56 alpha=24 beta=4 bp@n

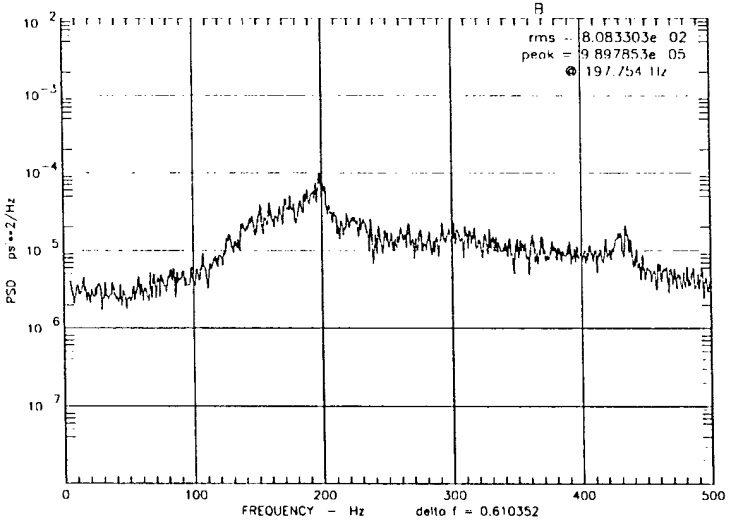


PRESSURE PSD's

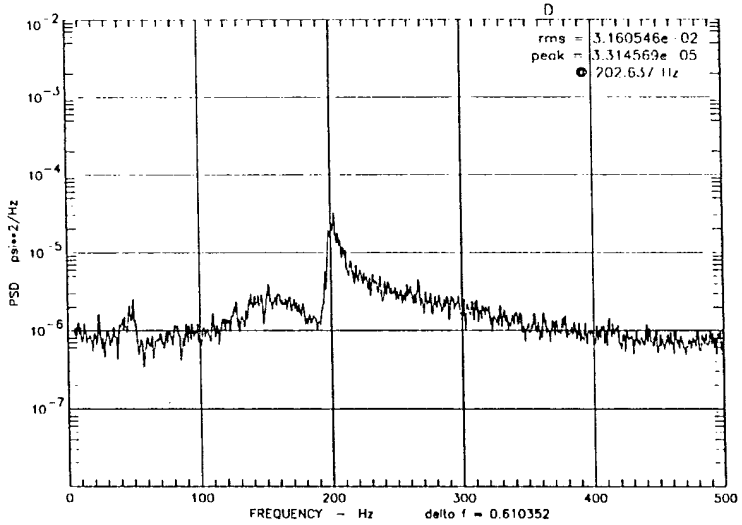
Q=56 PSF

2.1.2.5 PSD GRAPHS(5- 500 Hz), NBP = 87 PSI, GBP = 65 PSI, Beta = 0, +4, -4 Deg, Alpha = 8...32 Deg

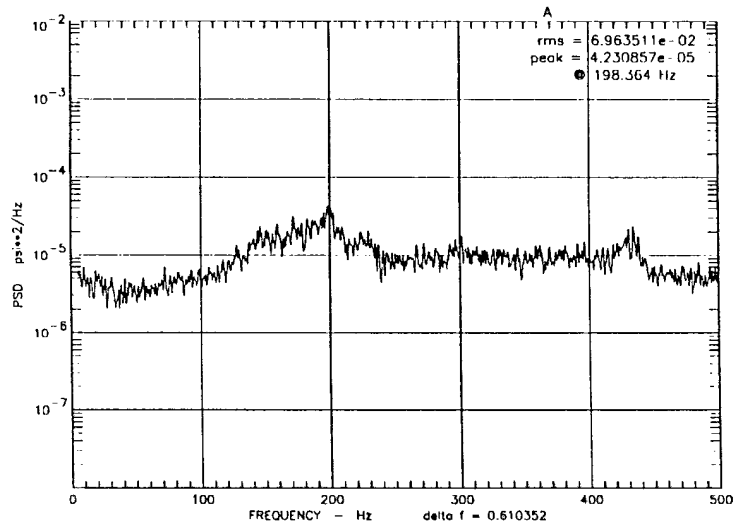
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n



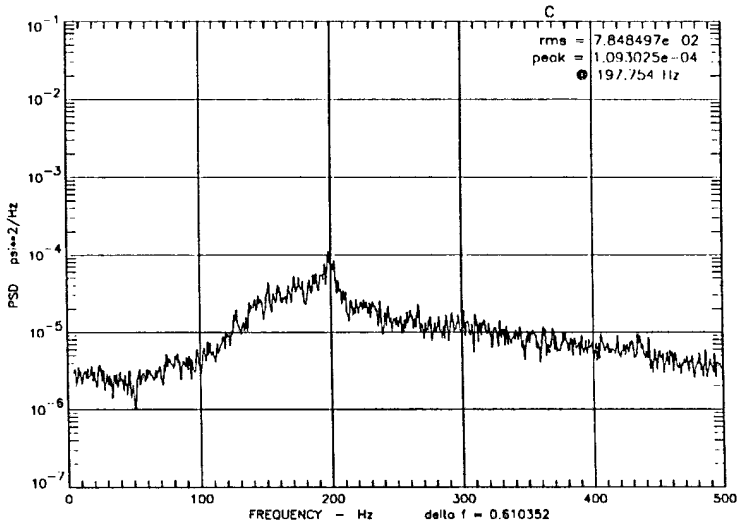
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n



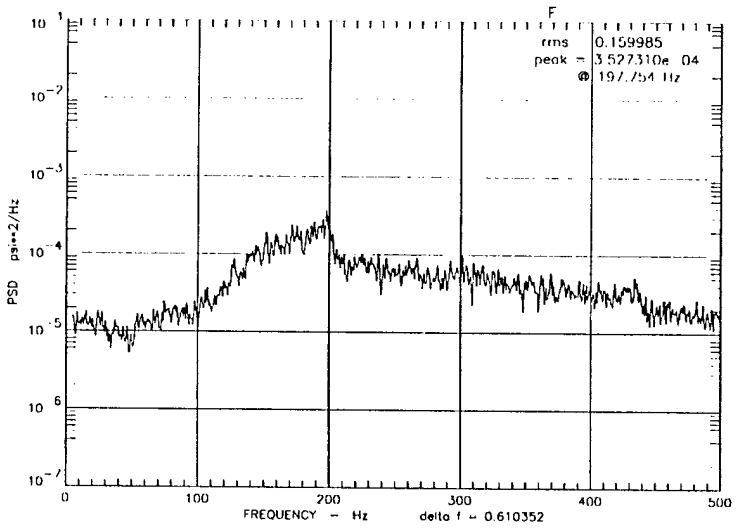
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n



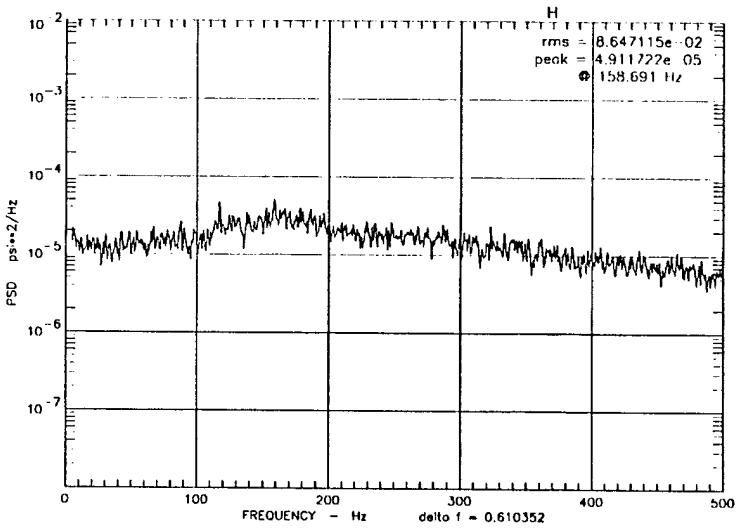
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n



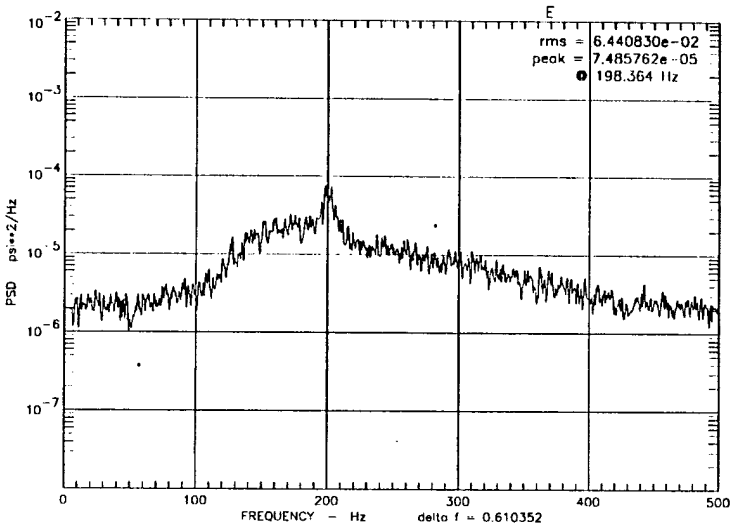
F 15 TPN 3069: q=56 alpha=26 beta=4 bp@n



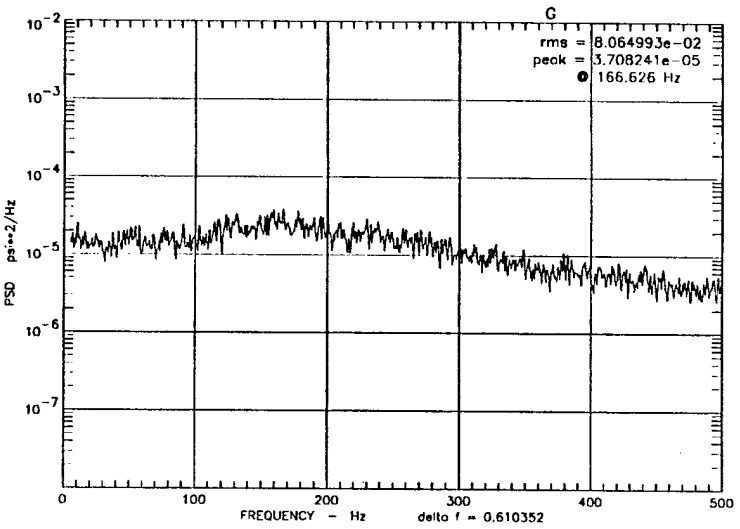
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n



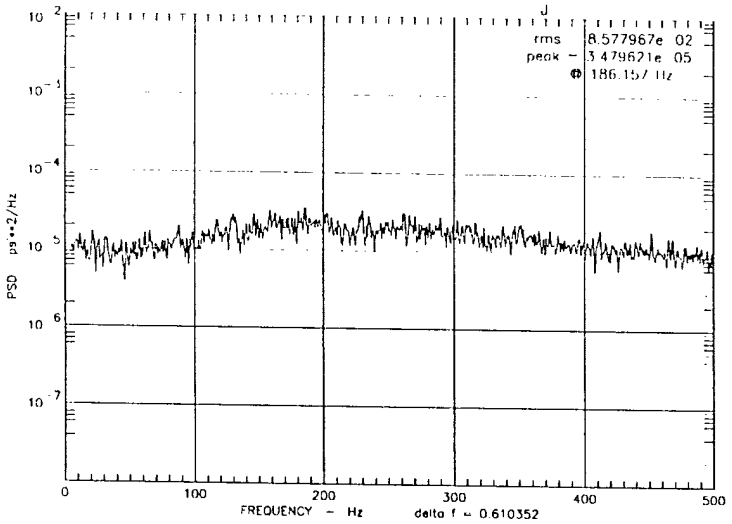
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n



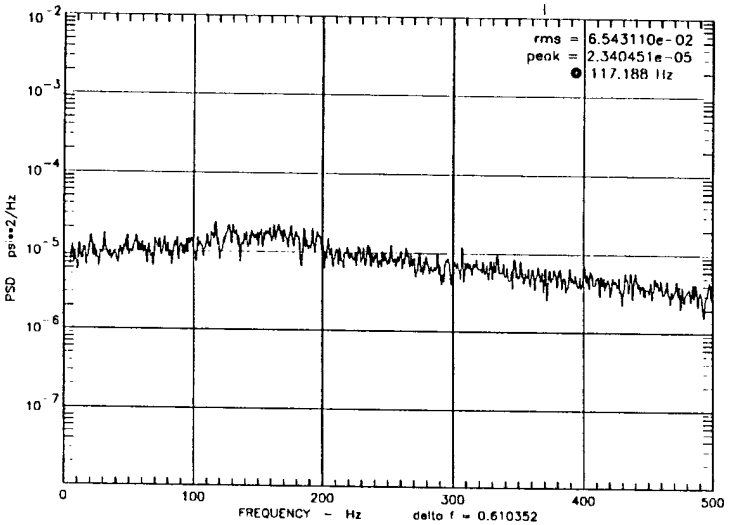
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n



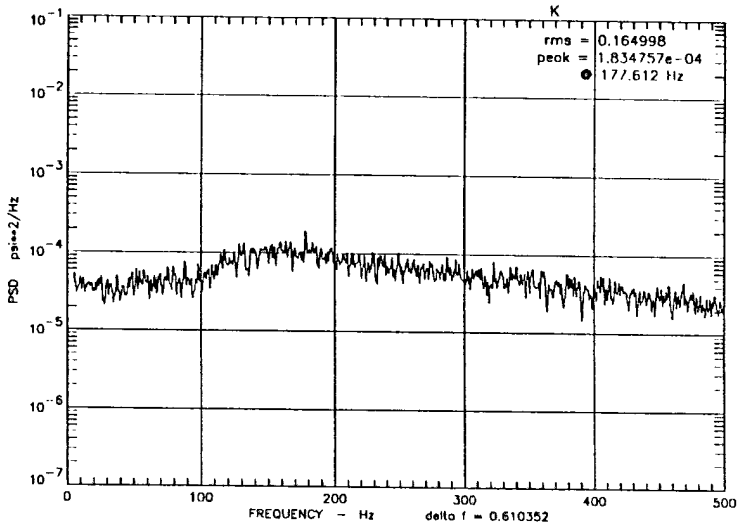
F 15 TPN 3069: q=56 alpha=26 beta=4 bp@n

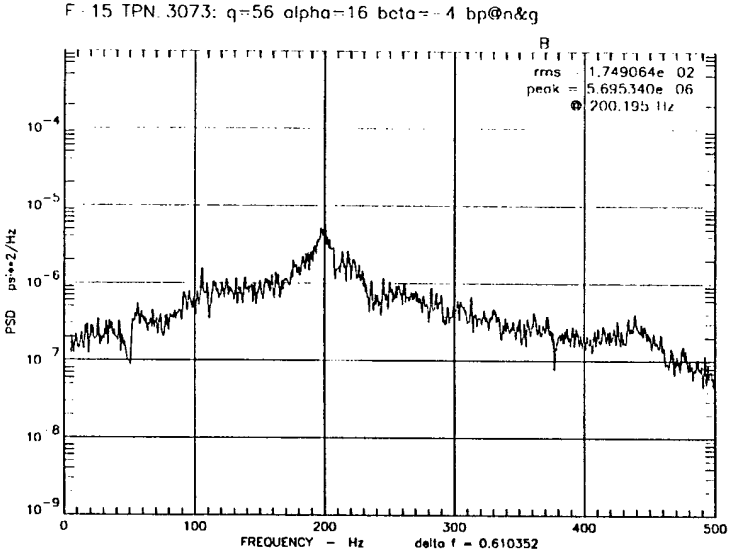


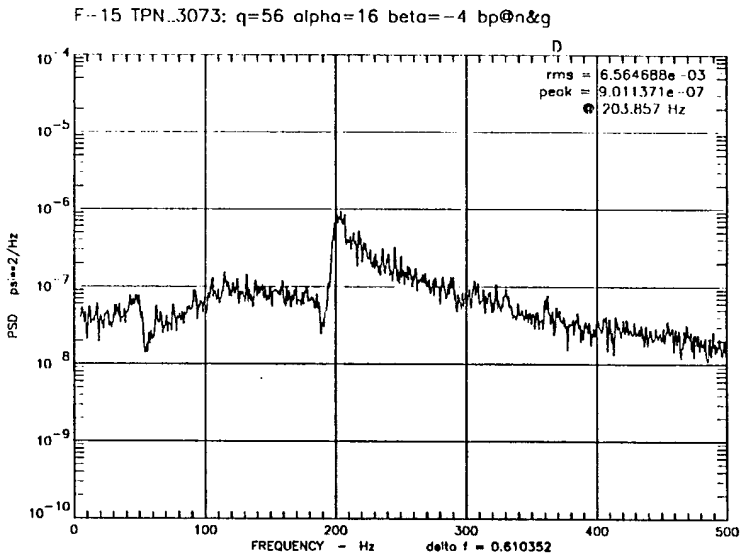
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n

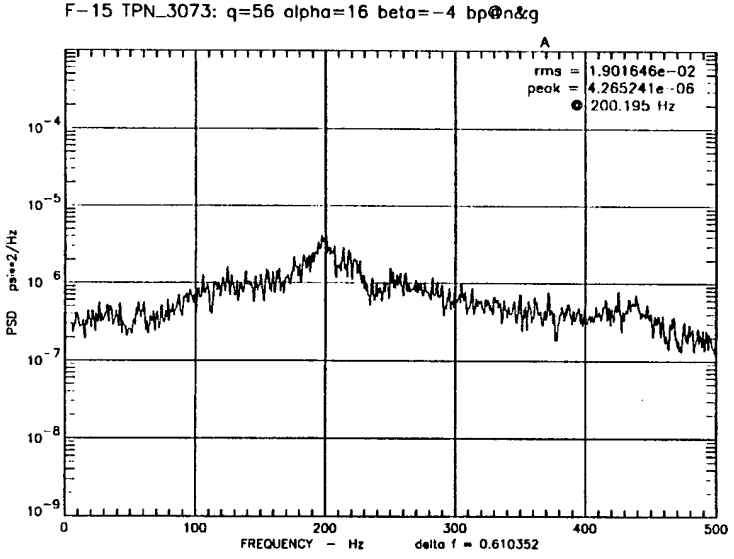


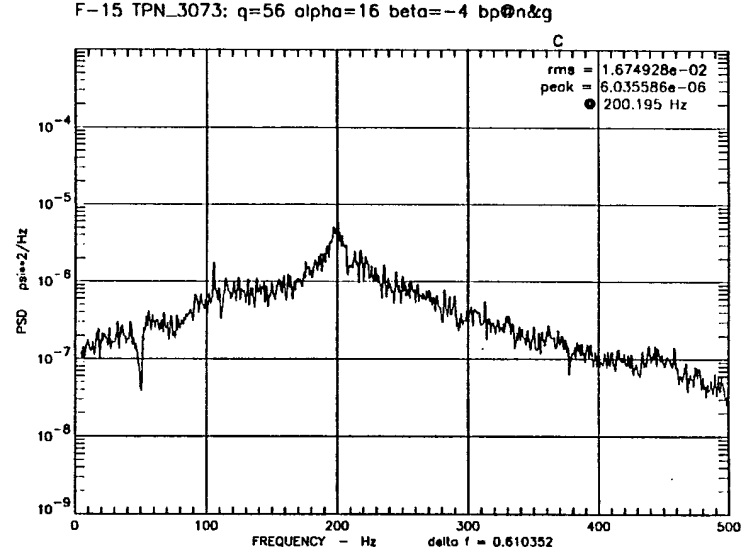
F-15 TPN_3069: q=56 alpha=26 beta=4 bp@n



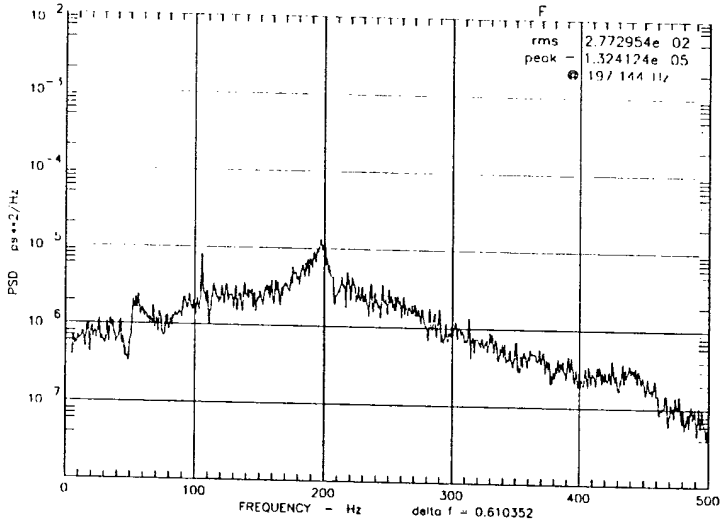

F-15 TPN_3073: q=56 alpha=16 beta=-4 bp@n&g
B
rms = 1.749064e-02
peak = 5.695340e-06
@ 200.195 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3073: q=56 alpha=16 beta=-4 bp@n&g
D
rms = 6.564688e-03
peak = 9.011371e-07
@ 203.857 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

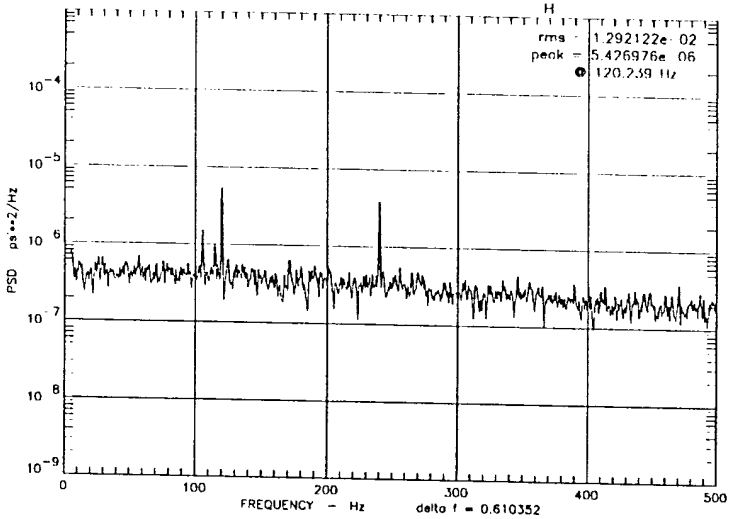

F-15 TPN_3073: q=56 alpha=16 beta=-4 bp@n&g
A
rms = 1.901646e-02
peak = 4.265241e-06
@ 200.195 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3073: q=56 alpha=16 beta=-4 bp@n&g
C
rms = 1.674928e-02
peak = 6.035586e-06
@ 200.195 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

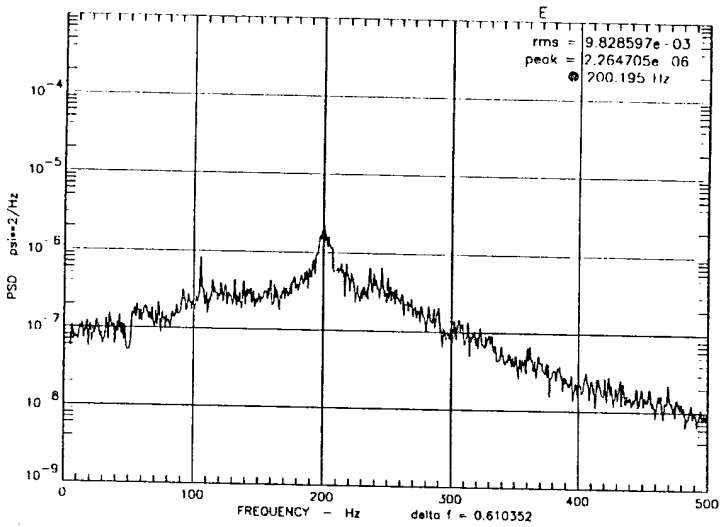
F 15 TPN 3073: q=56 alpha=16 beta= 4 bp@n&g



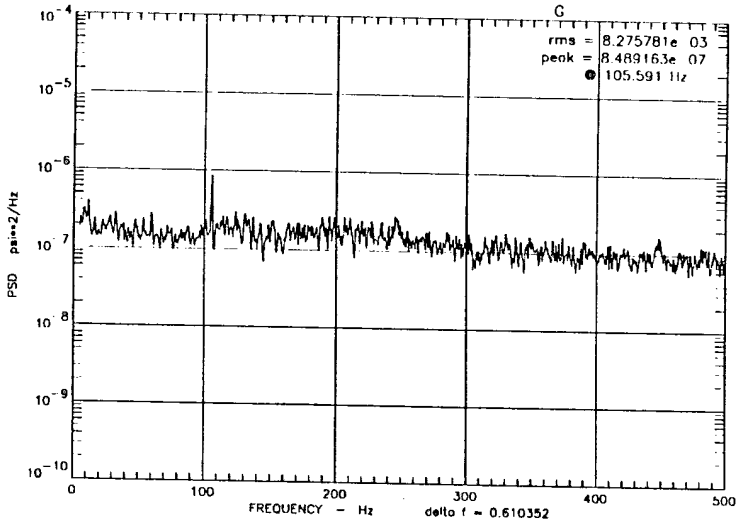
F 15 TPN 3073: q=56 alpha=16 beta= 4 bp@n&g



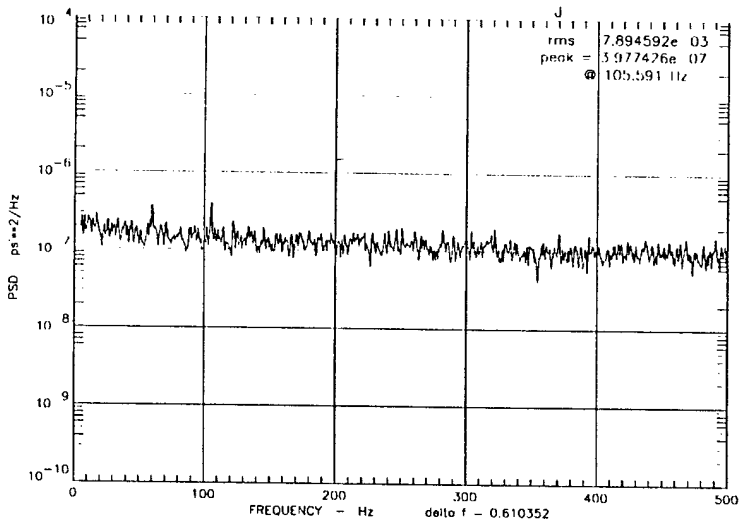
F 15 TPN 3073: q=56 alpha=16 beta= 4 bp@n&g



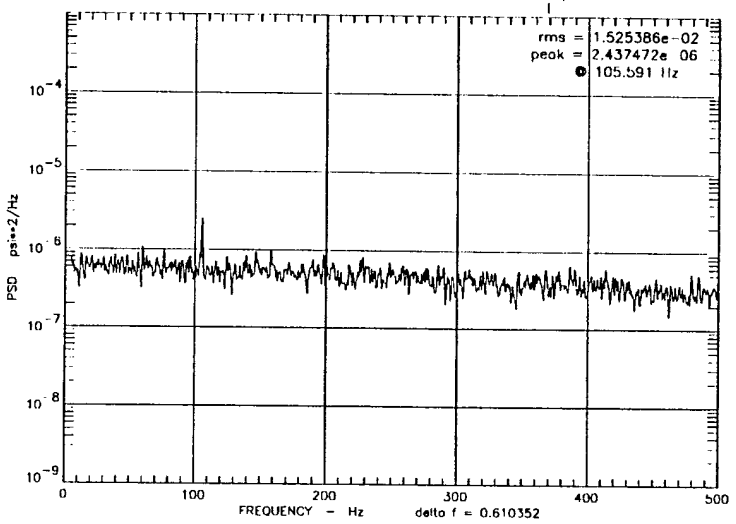
F-15 TPN 3073: q=56 alpha=16 beta=-4 bp@n&g



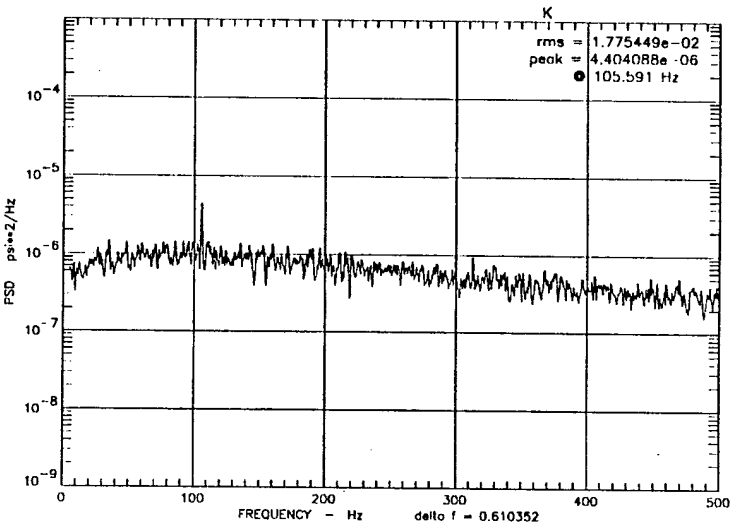
F 15 TPN 3073: q=56 alpha=16 beta=-4 bp@n&q

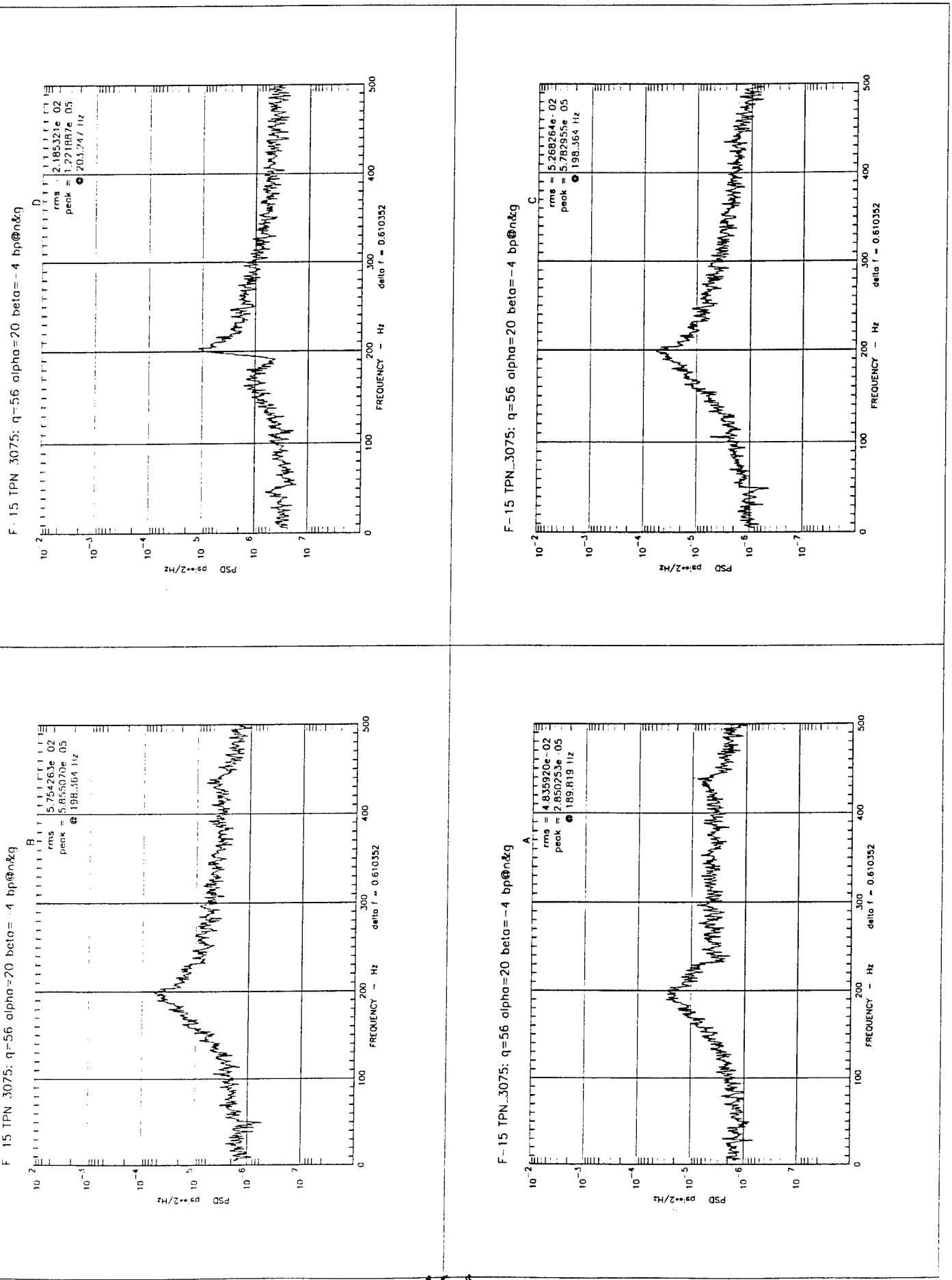


F-15 TPN_3073: q=56 alpha=16 beta=-4 bp@n&g

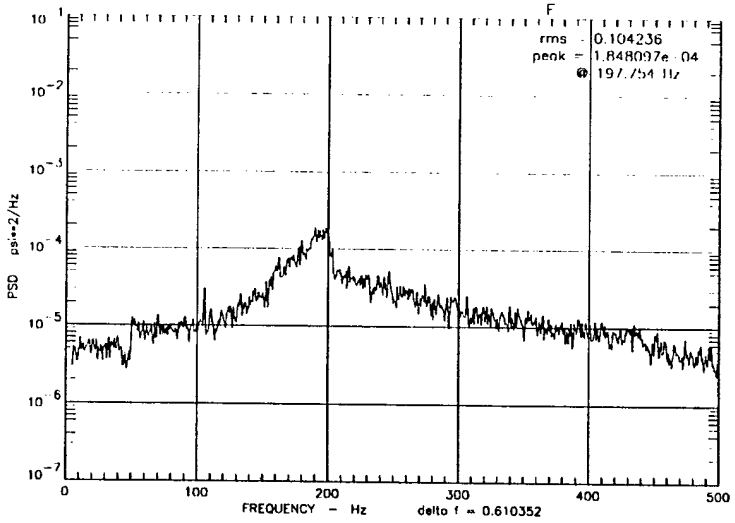


F-15 TPN_3073: q=56 alpha=16 beta=-4 bp@n&g

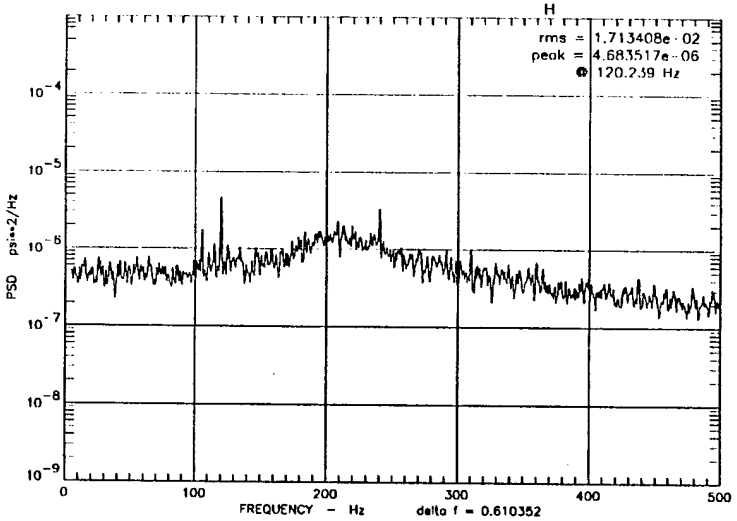



F-15 TPN_3075: q=56 alpha=20 beta=-4 bp@n&g
D
rms = 2.185321e 02
peak = 1.221887e 05
@ 203.247 Hz
C
rms = 5.268264e-02
peak = 5.782955e 05
@ 198.364 Hz
B
rms 5.754263e 02
peak = 5.855070e 05
@ 198.364 Hz
A
rms = 4.835920e-02
peak = 2.850253e 05
@ 189.819 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

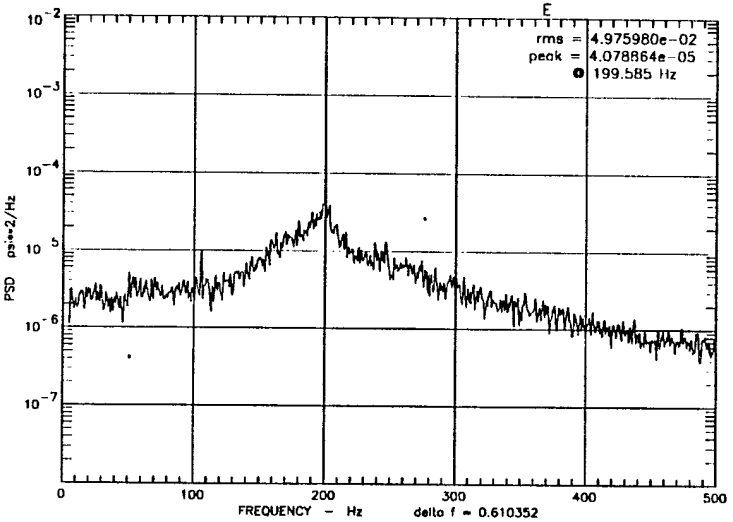
F-15 TPN 3075: q=56 alpha=20 beta=-4 bp@n&g



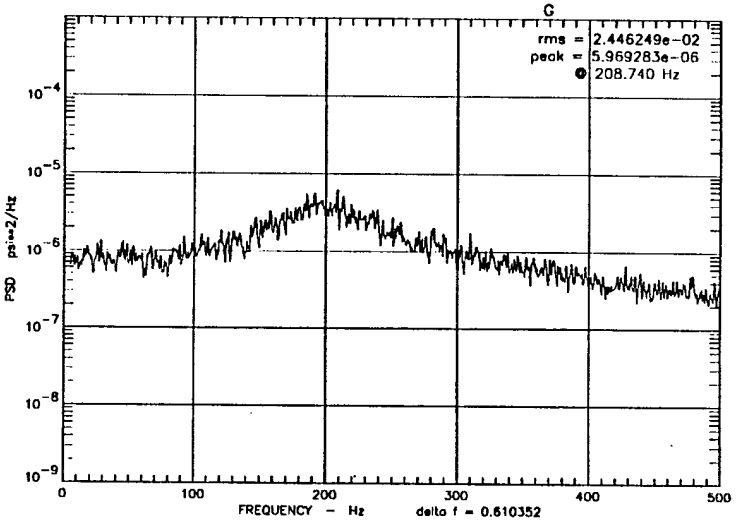
F-15 TPN_3075: q=56 alpha=20 beta=-4 bp@n&g



F-15 TPN_3075: q=56 alpha=20 beta=-4 bp@n&g

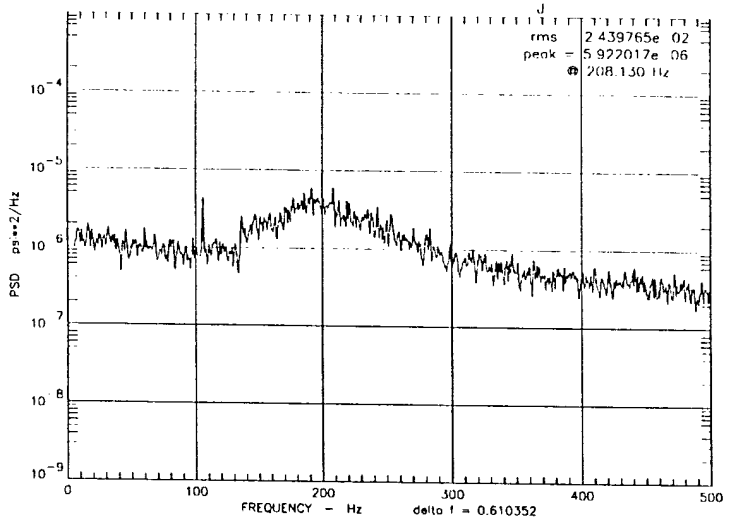


F-15 TPN_3075: q=56 alpha=20 beta=-4 bp@n&g



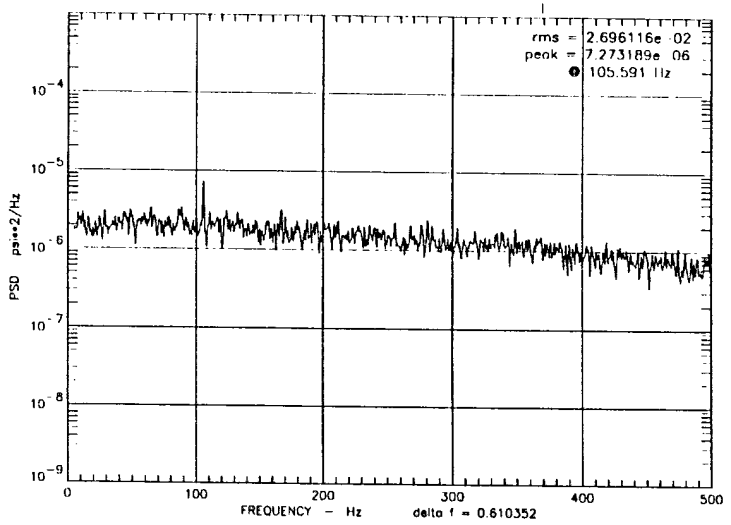
F 15 TPN 3075: q=56 alpha=20 beta=-4 bp@n&g

J



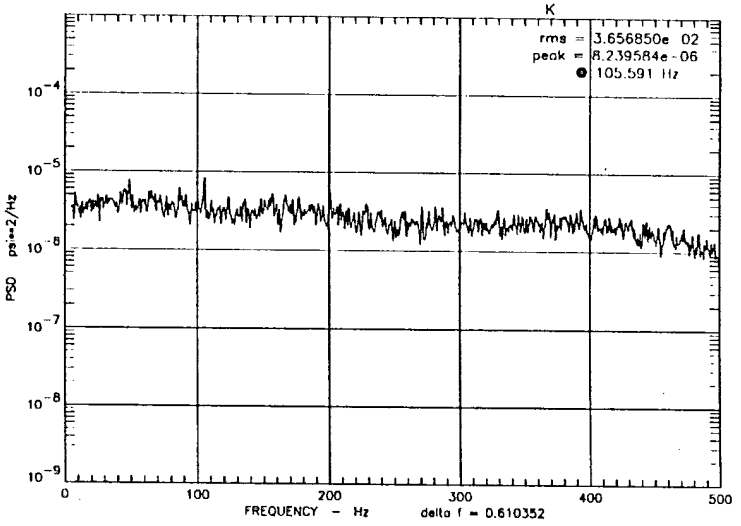
F- 15 TPN_3075: q=56 alpha=20 beta=-4 bp@n&g

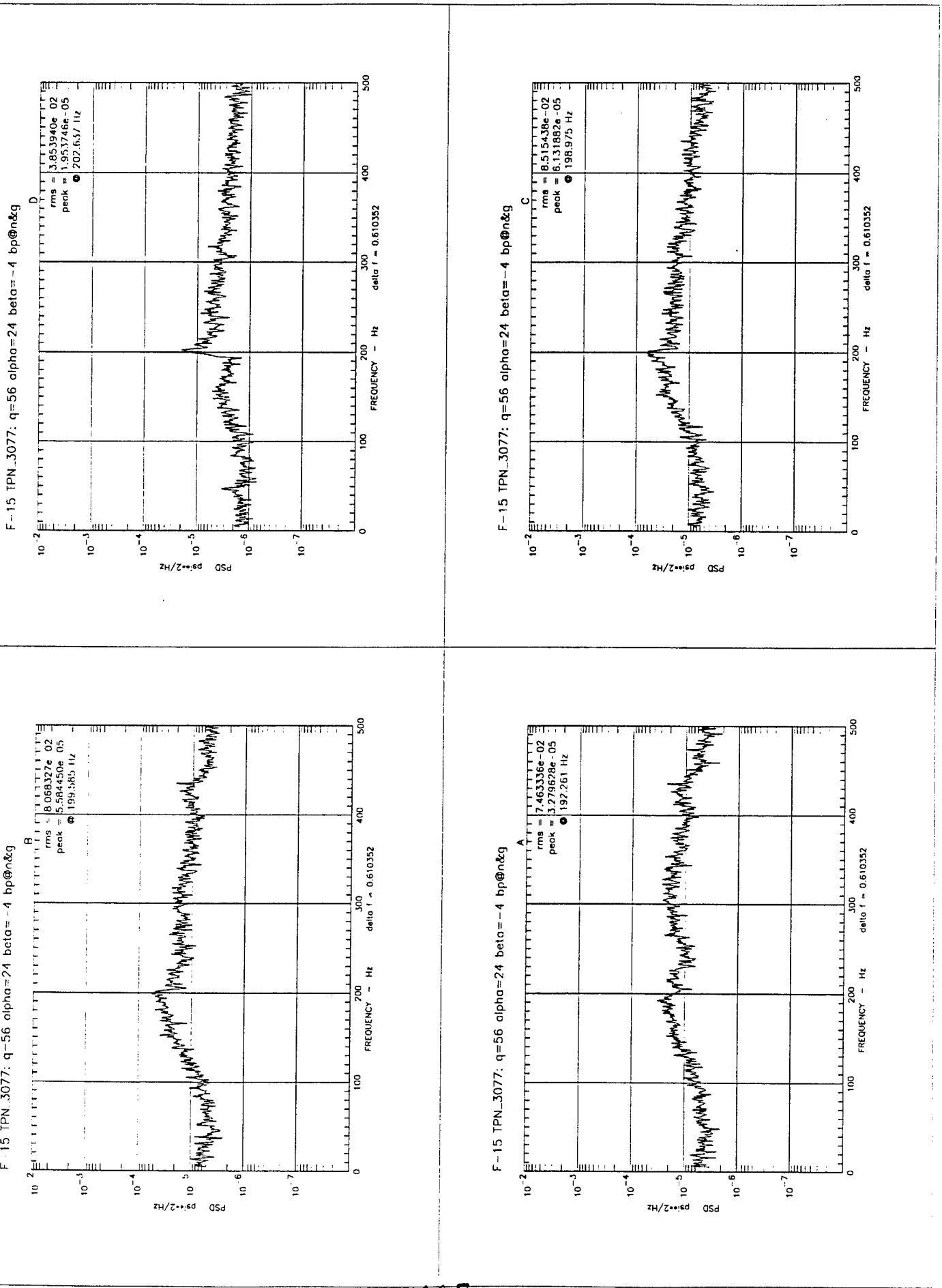
I



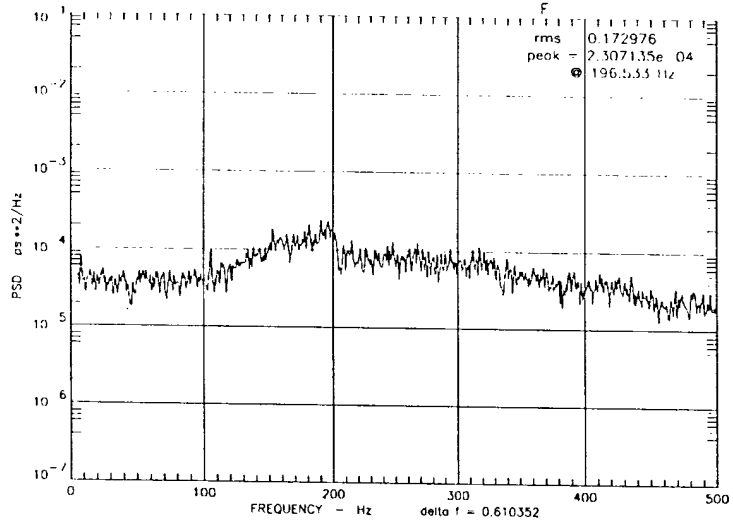
F-15 TPN_3075: q=56 alpha=20 beta=-4 bp@n&g

K

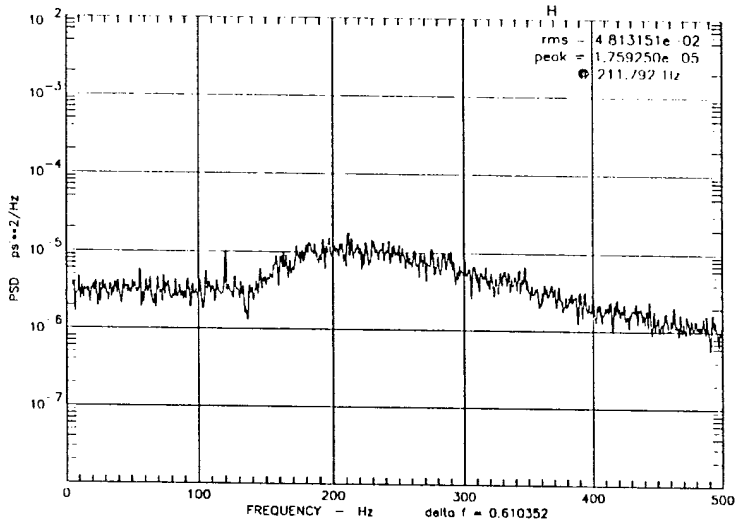



F-15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&g
D
rms = 3.853940e-02
peak = 1.953746e-05
@ 202.637 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&g
C
rms = 8.515438e-02
peak = 6.131882e-05
@ 198.975 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&g
B
rms = 8.068327e-02
peak = 5.584450e-05
@ 199.585 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&g
A
rms = 7.463336e-02
peak = 3.279628e-05
@ 192.261 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

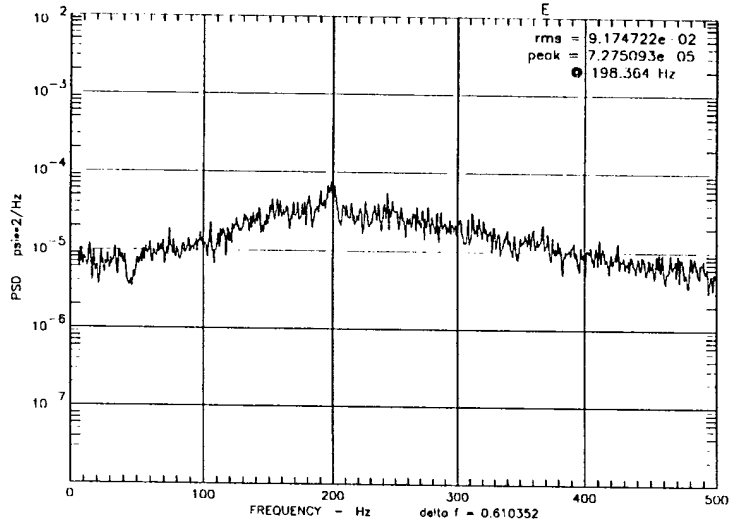
F 15 TPN 3077: q=56 alpha=24 beta=-4 bp@n&q



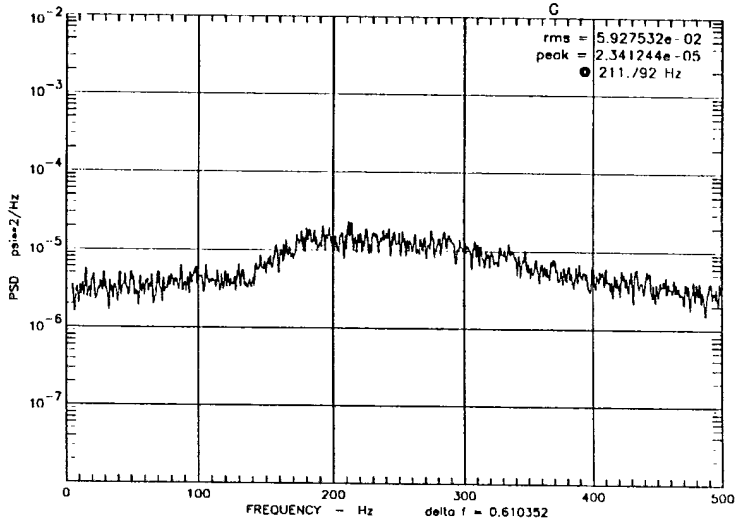
F -15 TPN 3077: q=56 alpha=24 beta=-4 bp@n&q



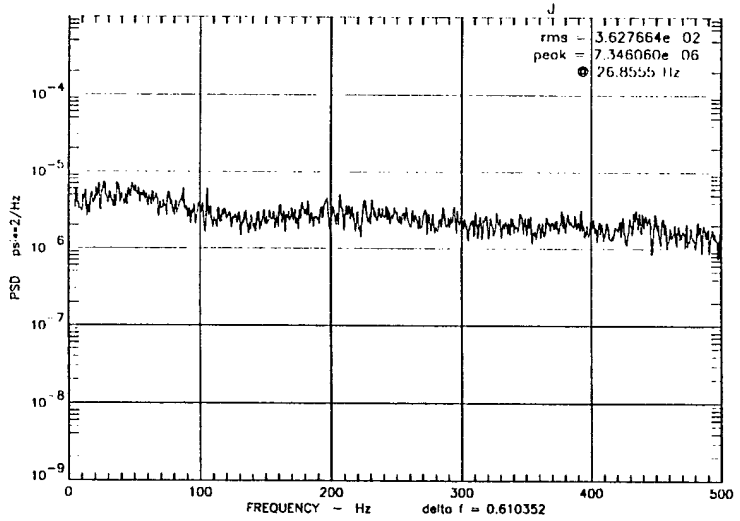
F -15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&q



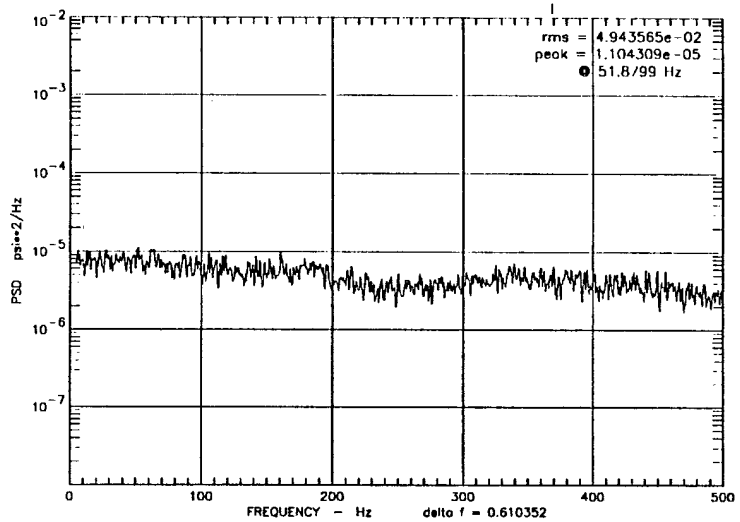
F-15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&q



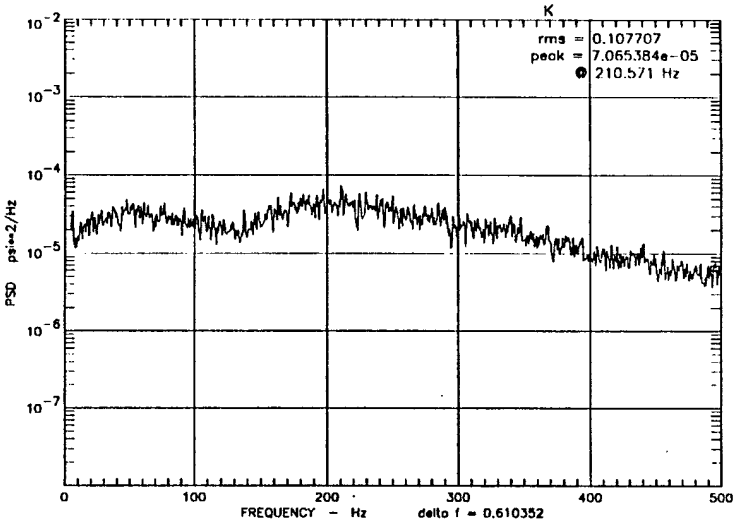
F 15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&g



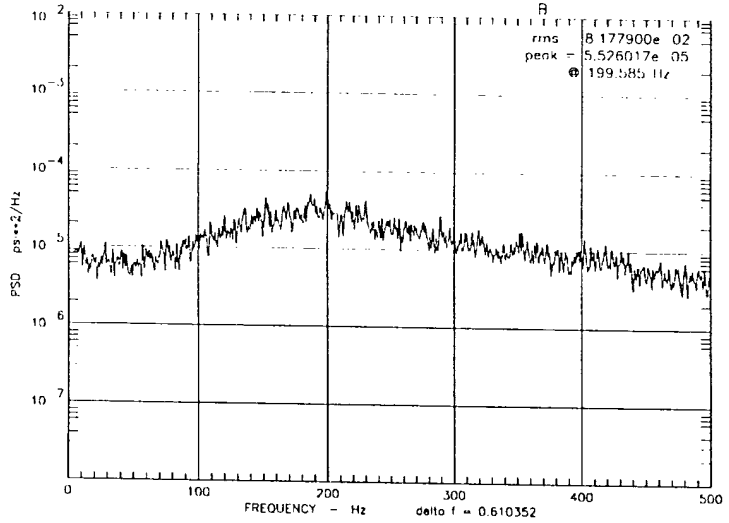
F-15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&g



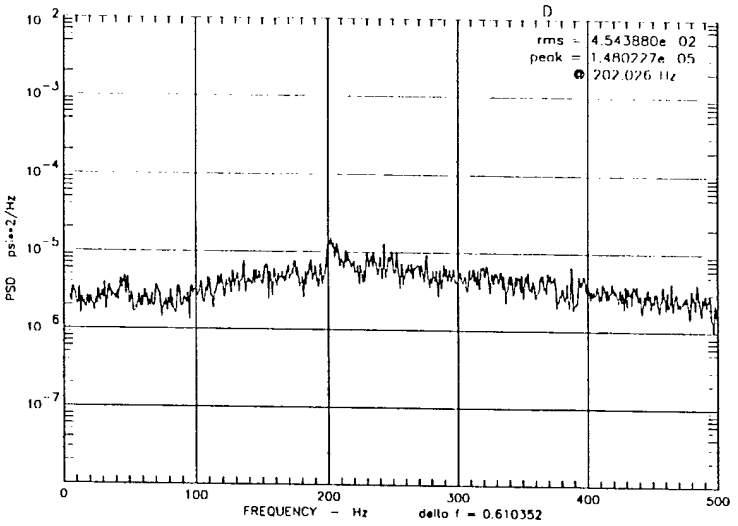
F-15 TPN_3077: q=56 alpha=24 beta=-4 bp@n&g



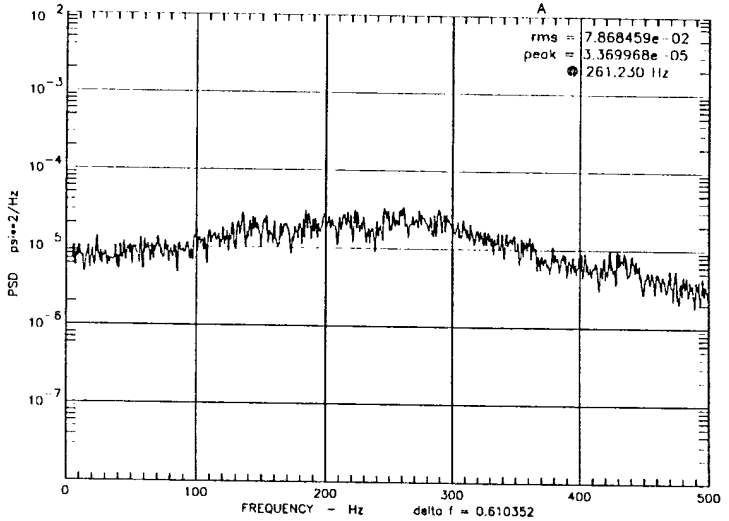
F 15 TPN 3078: q=56 alpha=26 beta=-4 bp@n&q



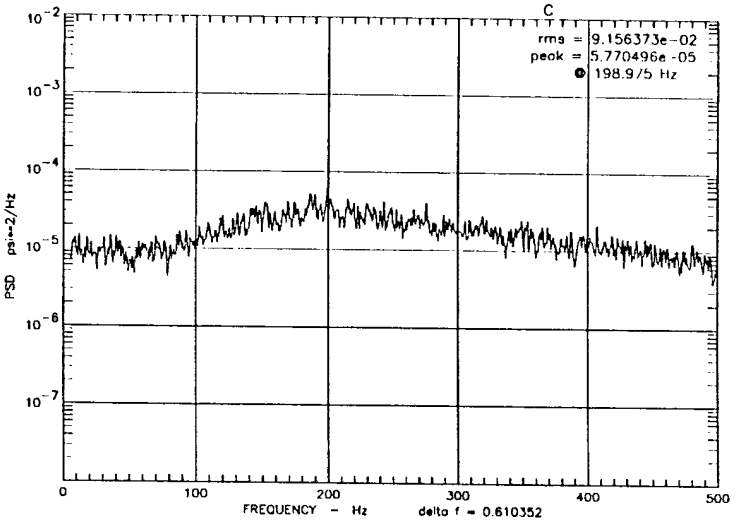
F 15 TPN 3078: q=56 alpha=26 beta=-4 bp@n&q



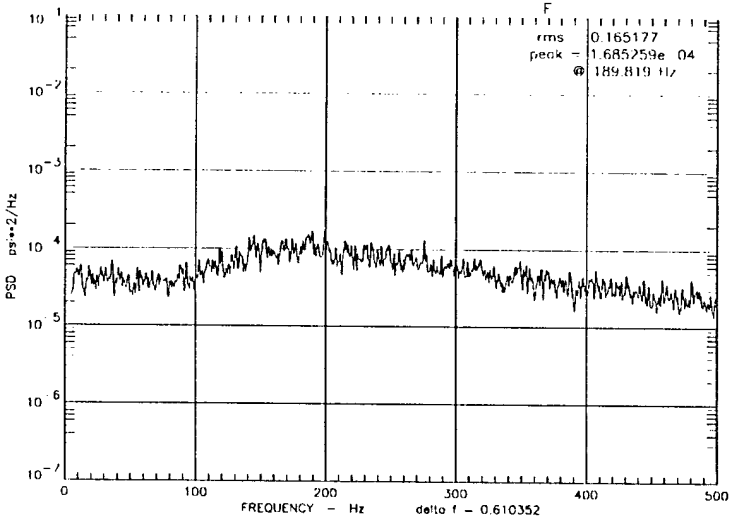
F-15 TPN_3078: q=56 alpha=26 beta=-4 bp@n&q



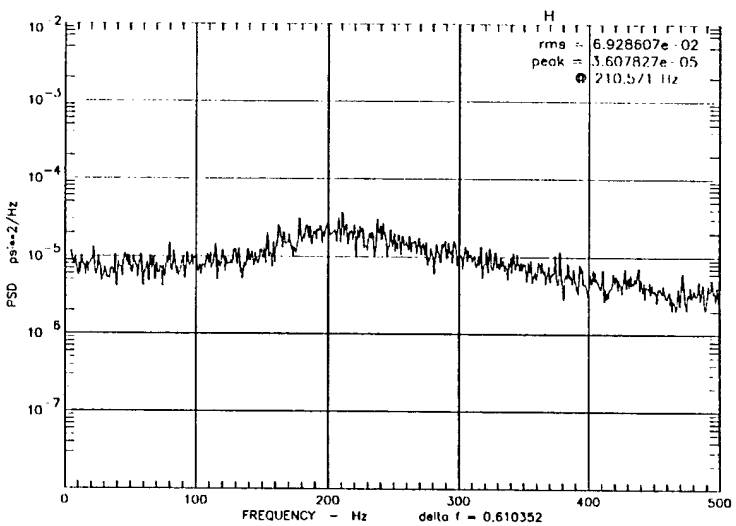
F-15 TPN_3078: q=56 alpha=26 beta=-4 bp@n&q



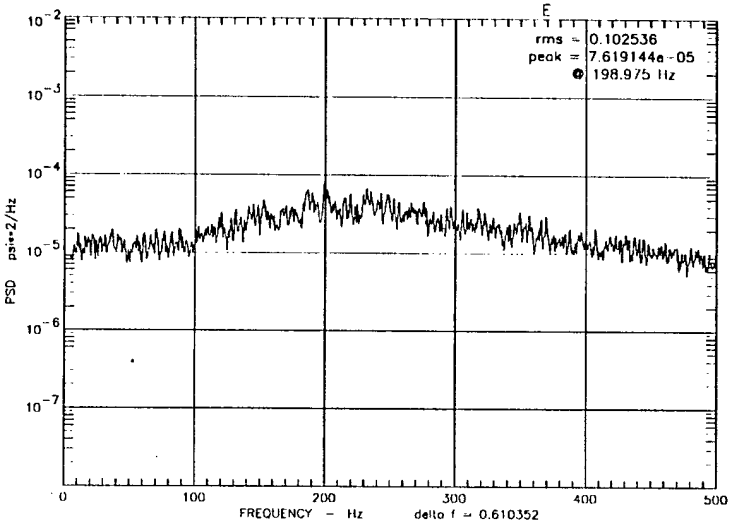
F-15 TPN 3078: q=56 alpha=26 beta=-4 bp@n&q



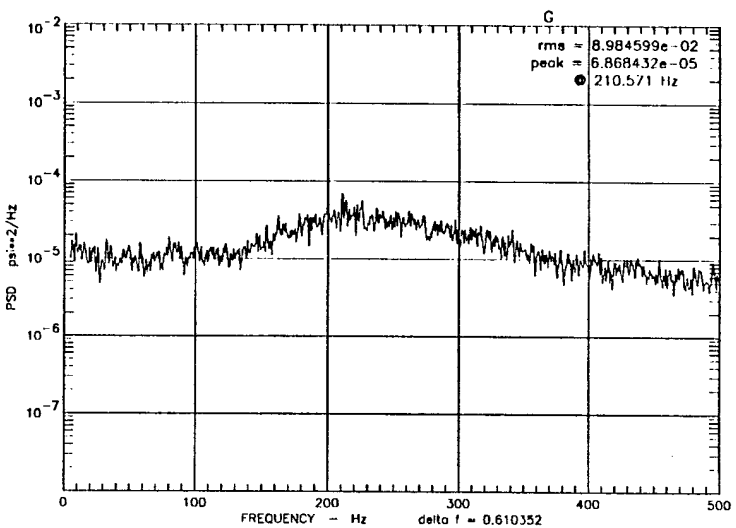
F-15 TPN 3078: q=56 alpha=26 beta=-4 bp@n&q



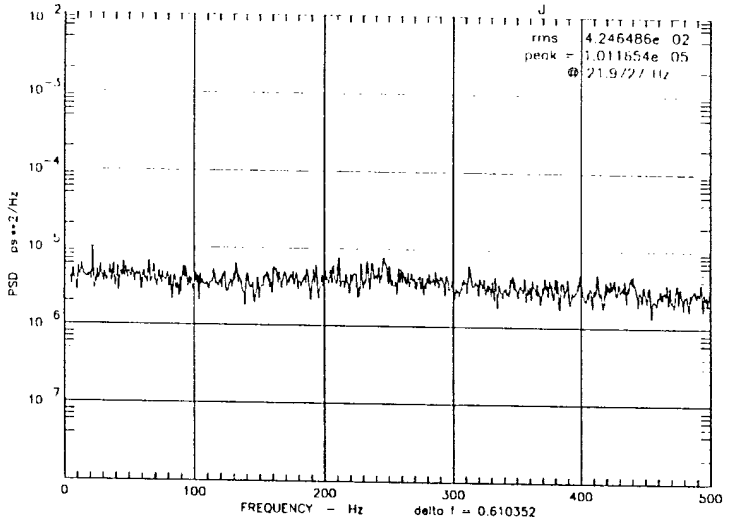
F-15 TPN_3078: q=56 alpha=26 beta=-4 bp@n&q



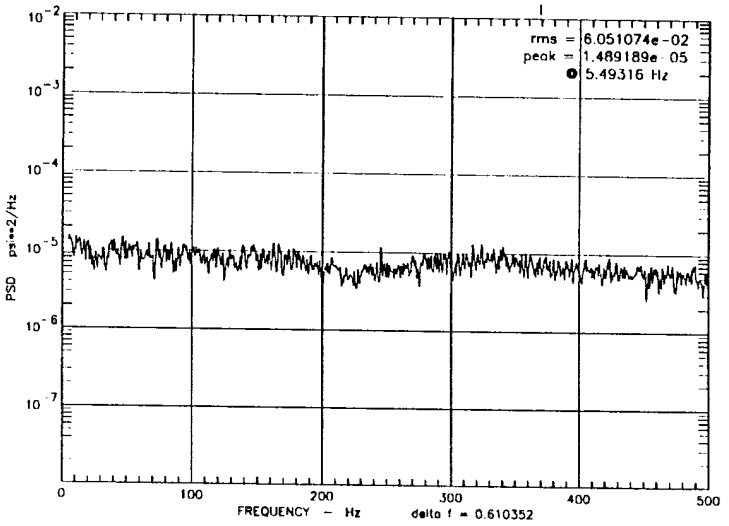
F-15 TPN_3078: q=56 alpha=26 beta=-4 bp@n&q



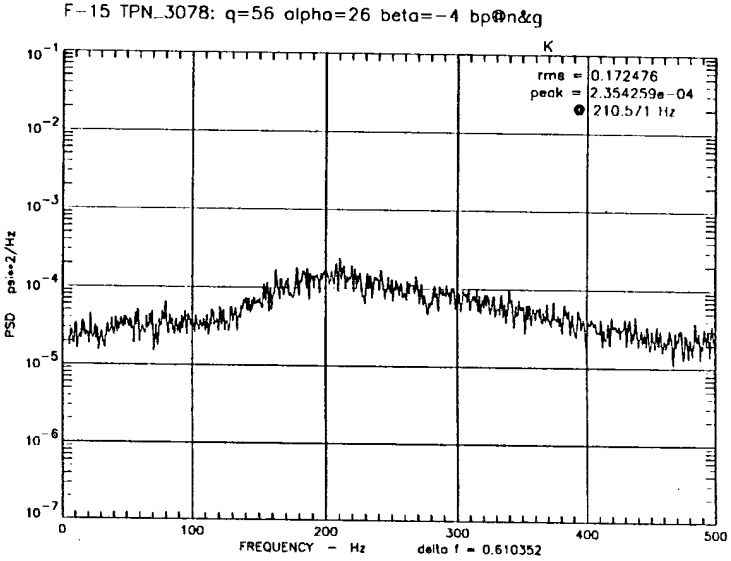
F 15 TPN 3078: q=56 alpha=26 beta= 4 bp@n&g

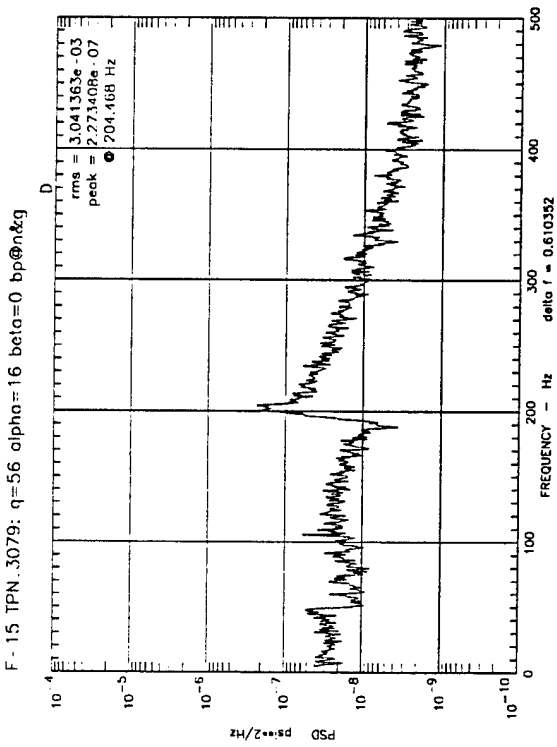


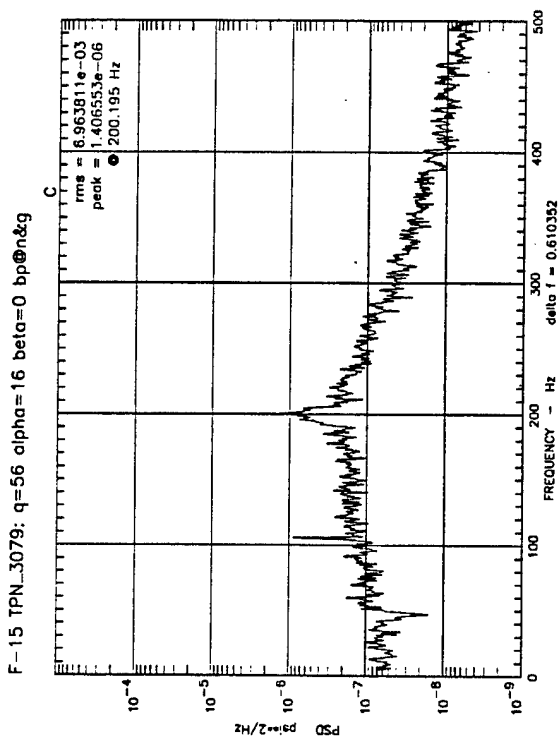
F-15 TPN_3078: q=56 alpha=26 beta=-4 bp@n&g

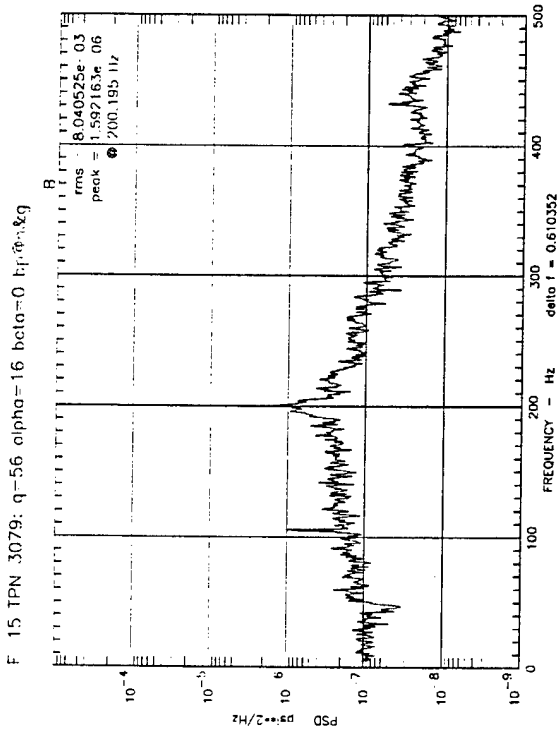


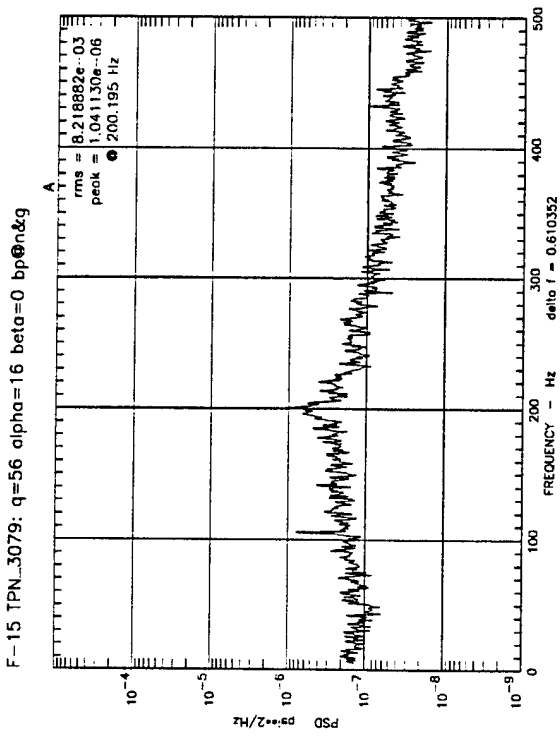
F-15 TPN_3078: q=56 alpha=26 beta=-4 bp@n&g



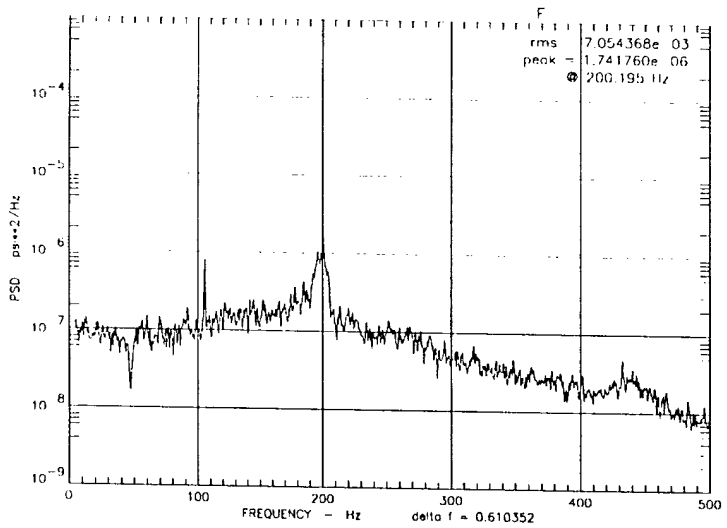

F-15 TPN_3079: q=56 alpha=16 beta=0 bp@n&g
D
rms = 3.041363e-03
peak = 2.273408e-07
@ 204.468 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3079: q=56 alpha=16 beta=0 bp@n&g
C
rms = 8.963811e-03
peak = 1.406553e-06
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

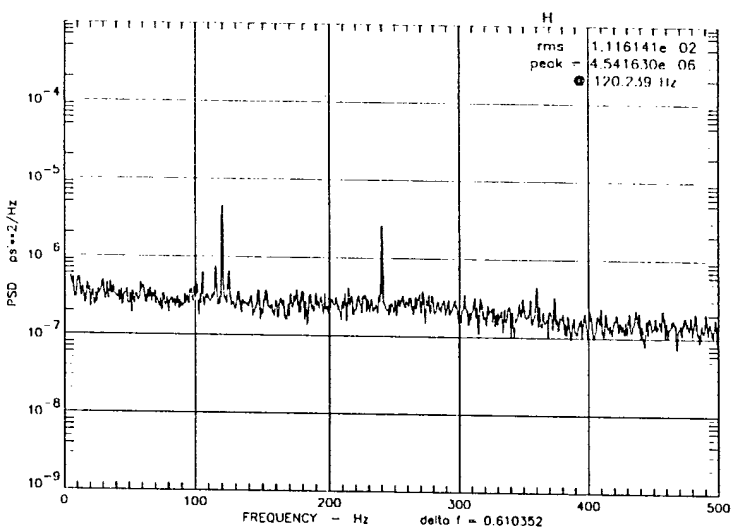

F-15 TPN_3079: q=56 alpha=16 beta=0 bp@n&g
B
rms = 8.040525e-03
peak = 1.592163e-06
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3079: q=56 alpha=16 beta=0 bp@n&g
A
rms = 8.218882e-03
peak = 1.041130e-06
@ 200.195 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

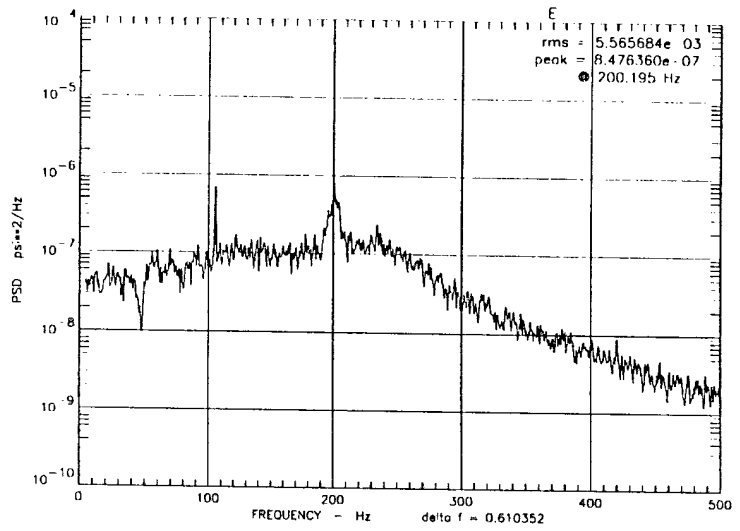
F 15 TPN 3079: q=56 alpha=16 beta=0 bp@n&q



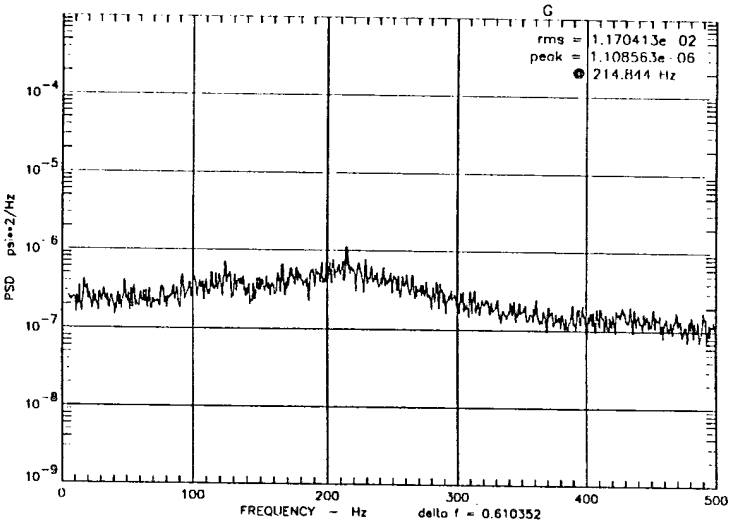
F 15 TPN 3079: q=56 alpha=16 beta=0 bp@n&q



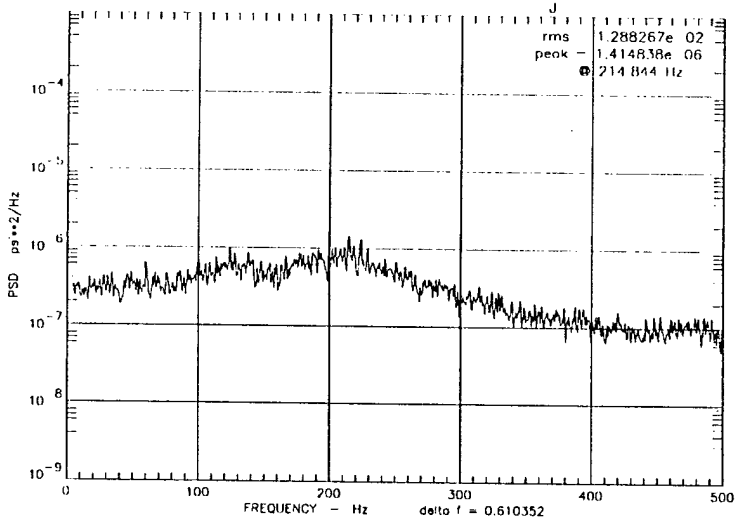
F 15 TPN_3079: q=56 alpha=16 beta=0 bp@n&q



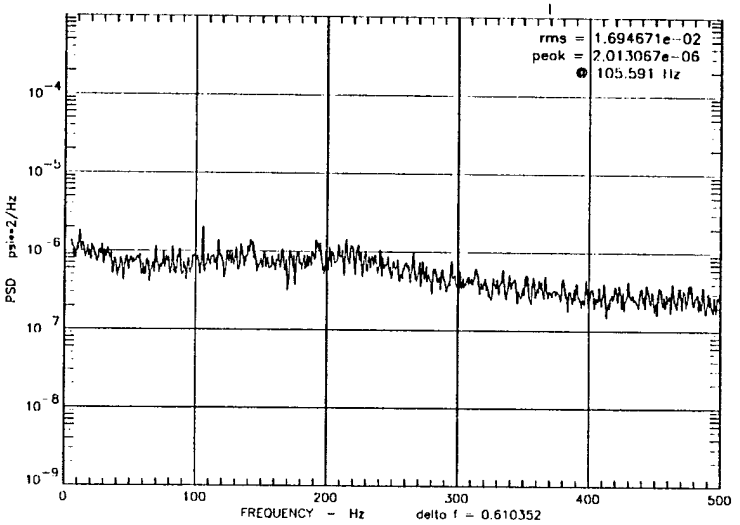
F-15 TPN_3079: q=56 alpha=16 beta=0 bp@n&q



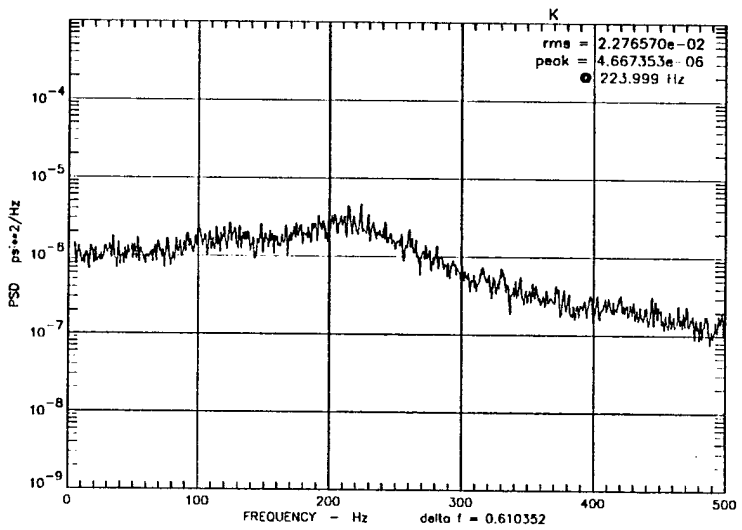
F 15 TPN 3079: q=56 alpha=16 beta=0 bp@n&g



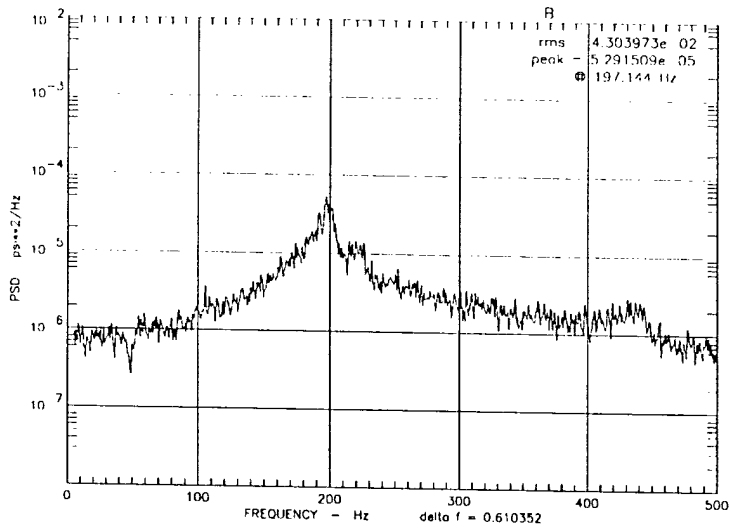
F-15 TPN_3079: q=56 alpha=16 beta=0 bp@n&g



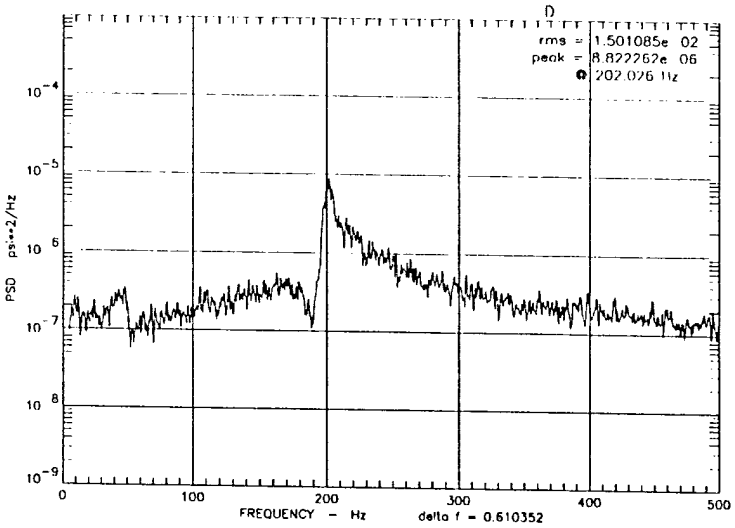
F-15 TPN_3079: q=56 alpha=16 beta=0 bp@n&g



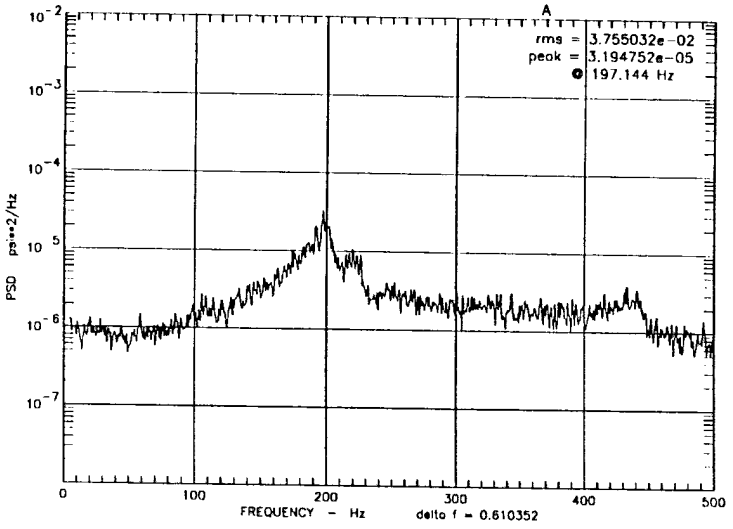
F 15 TPN 3081: q=56 alpha=20 beta=0 bp@n&g



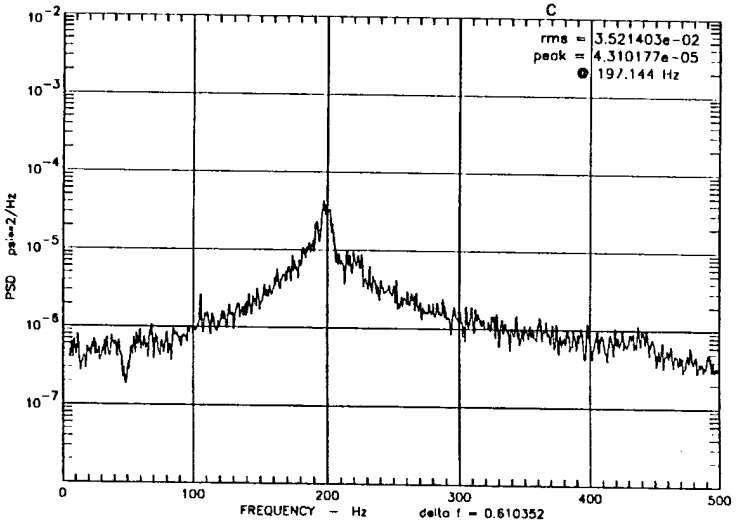
F--15 TPN 3081: q=56 alpha=20 beta=0 bp@n&g



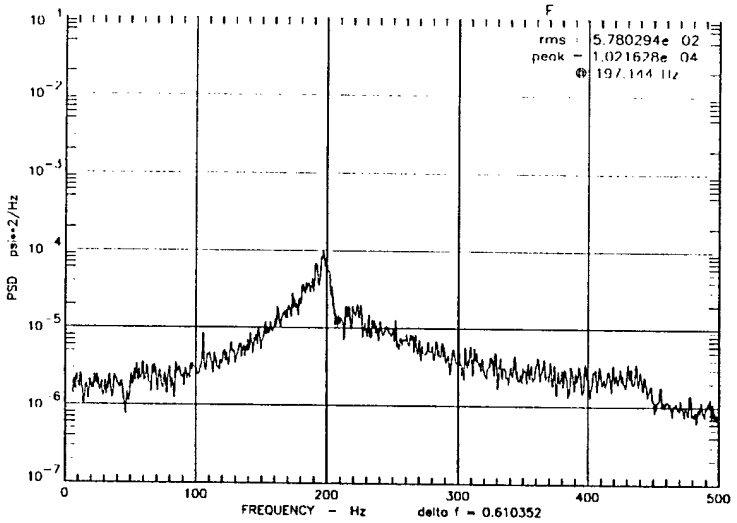
F--15 TPN_3081: q=56 alpha=20 beta=0 bp@n&g



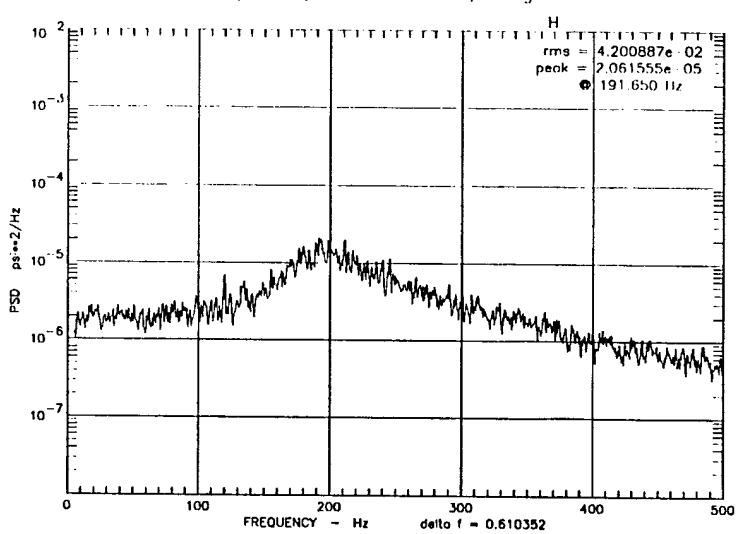
F-15 TPN_3081: q=56 alpha=20 beta=0 bp@n&g



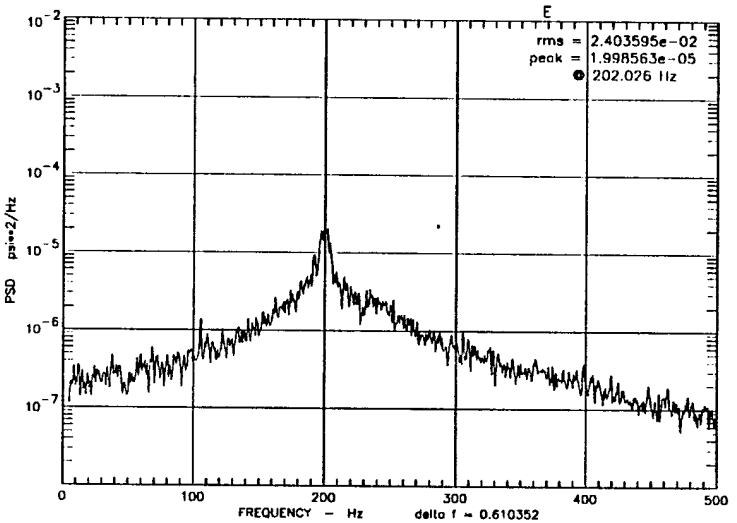
F 15 TPN_3081: q=56 alpha=20 beta=0 bp@n&g



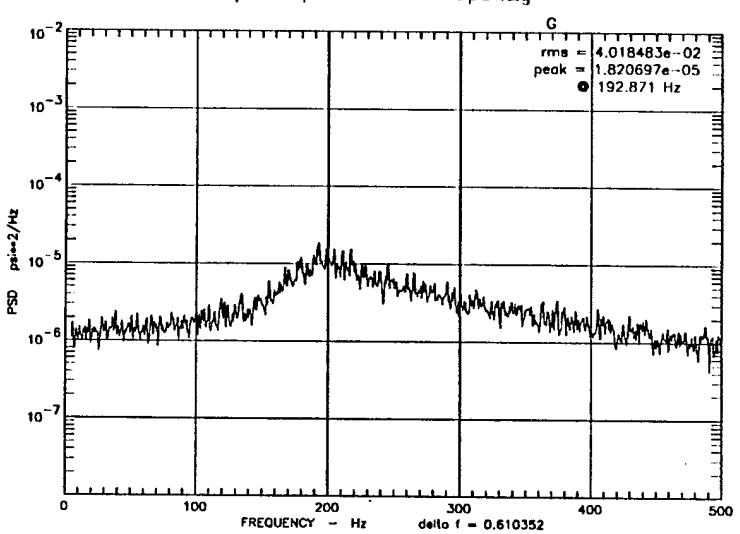
F-15 TPN_3081: q=56 alpha=20 beta=0 bp@n&g



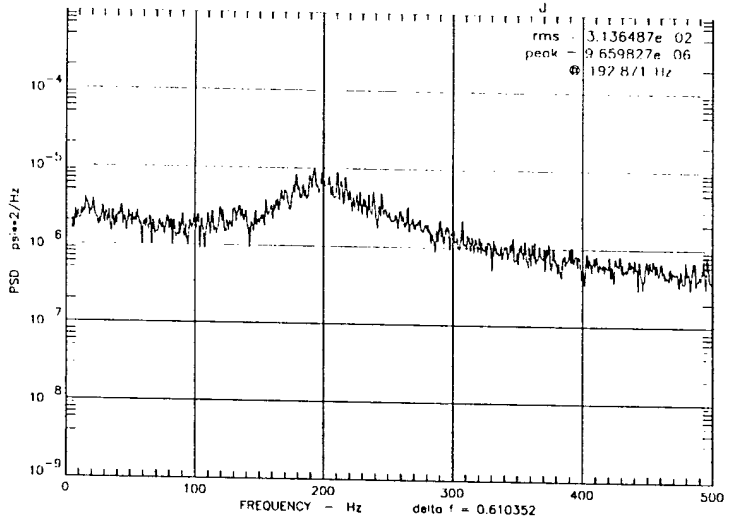
F-15 TPN_3081: q=56 alpha=20 beta=0 bp@n&g



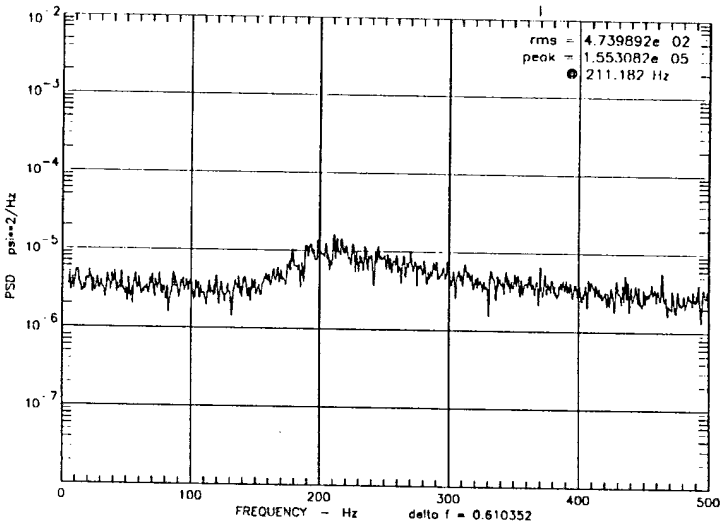
F-15 TPN_3081: q=56 alpha=20 beta=0 bp@n&g



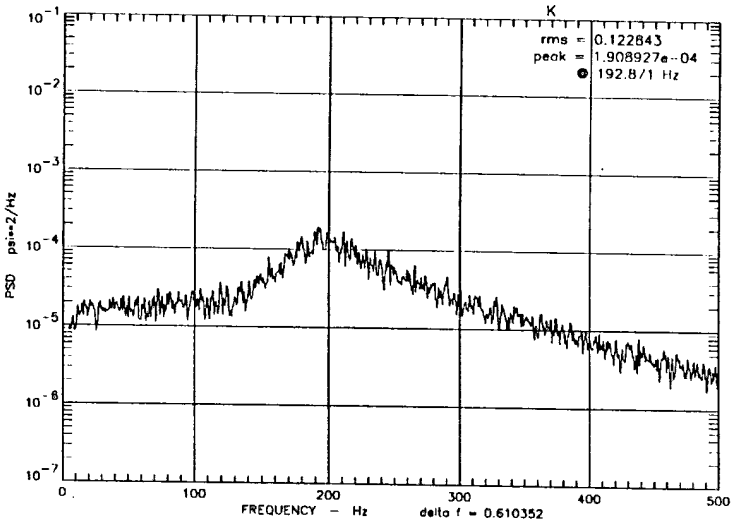
F 15 TPN 3081: q=56 alpha=20 beta=0 bp@n&g



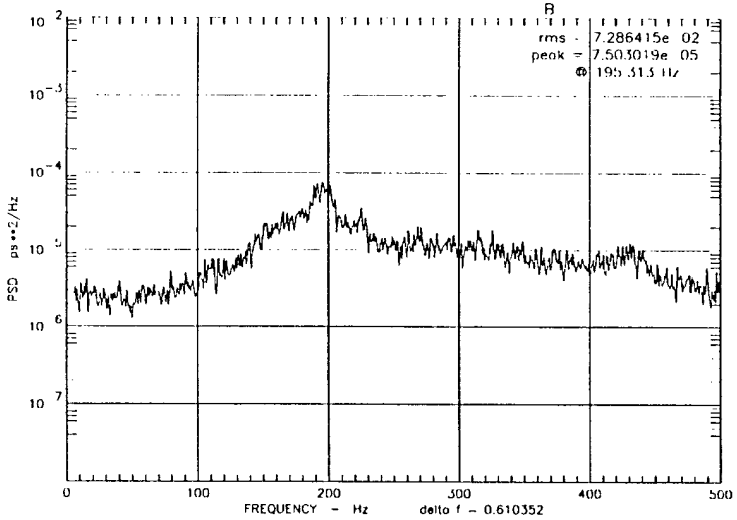
F-15 TPN_3081: q=56 alpha=20 beta=0 bp@n&g



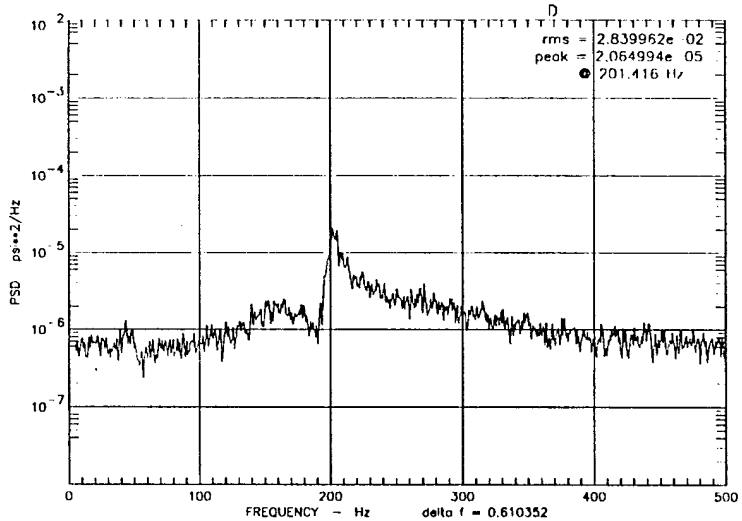
F-15 TPN_3081: q=56 alpha=20 beta=0 bp@n&g



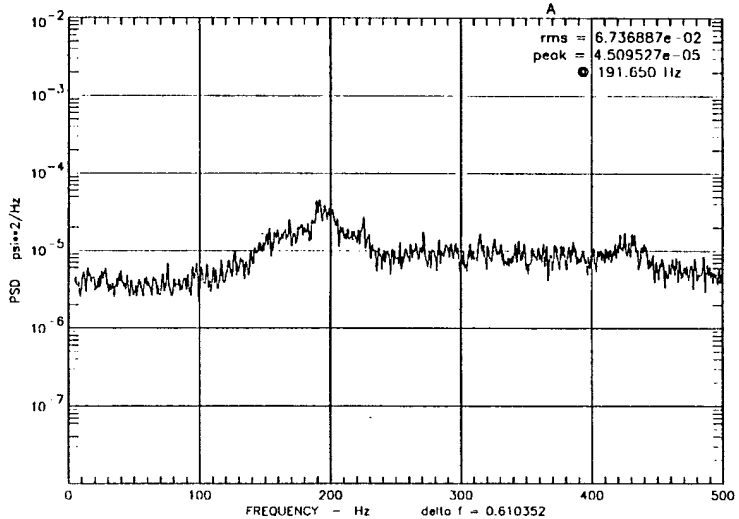
F 15 TPN 3083: q=56 alpha=24 beta=0 bp@n&g



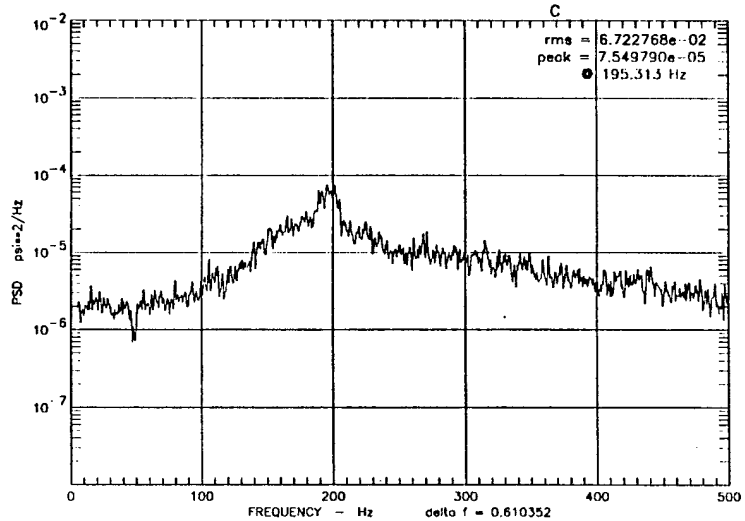
F 15 TPN 3083: q=56 alpha=24 beta=0 bp@n&g



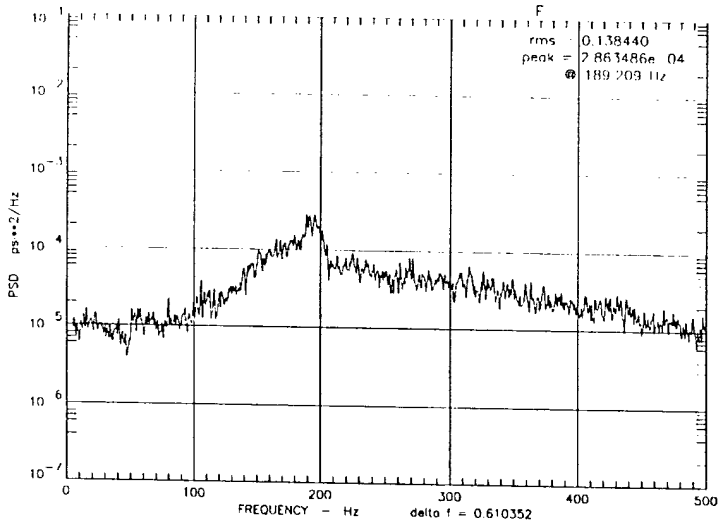
F-15 TPN_3083: q=56 alpha=24 beta=0 bp@n&g



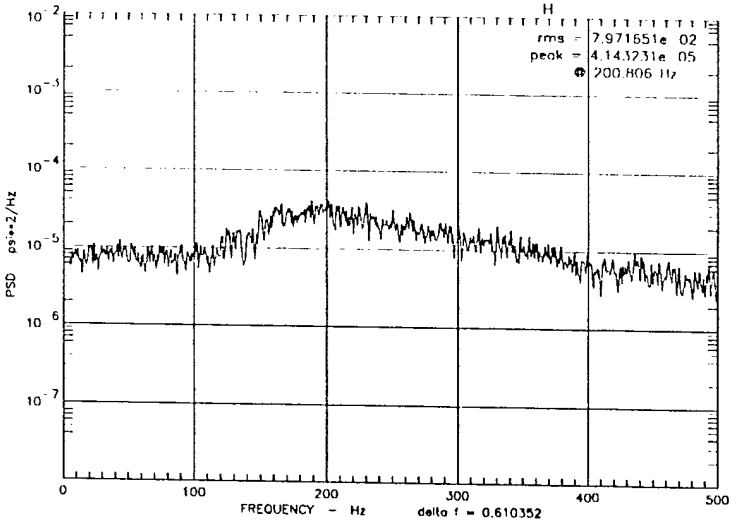
F-15 TPN_3083: q=56 alpha=24 beta=0 bp@n&g



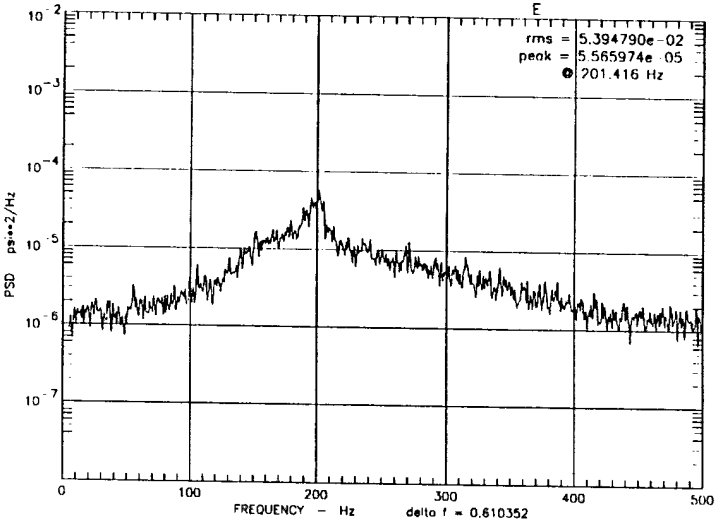
F 15 TPN 3083: q=56 alpha=24 beta=0 bp@n&q



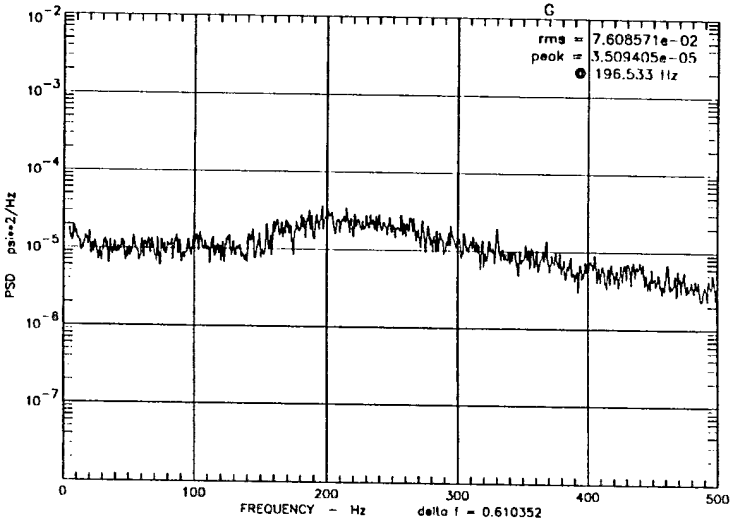
F 15 TPN 3083: q=56 alpha=24 beta=0 bp@n&q

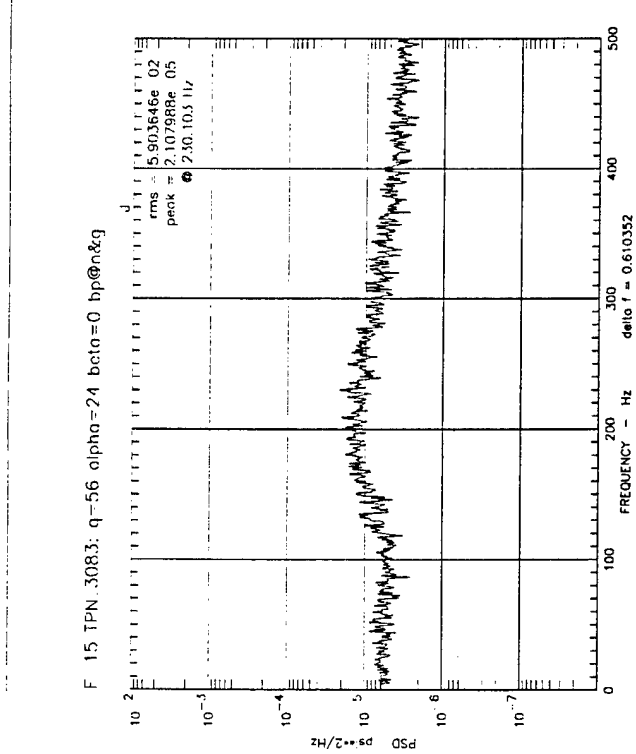


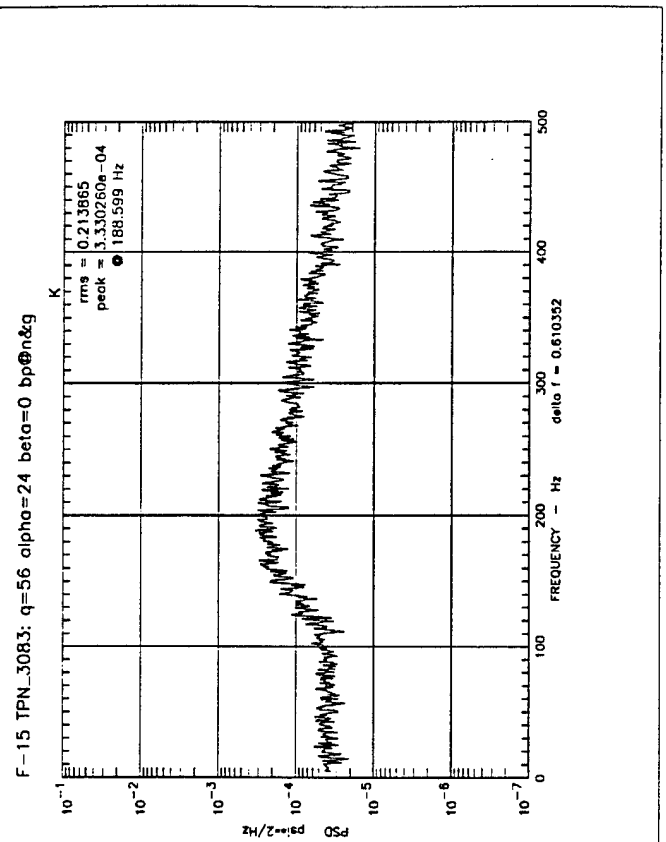
F 15 TPN_3083: q=56 alpha=24 beta=0 bp@n&q

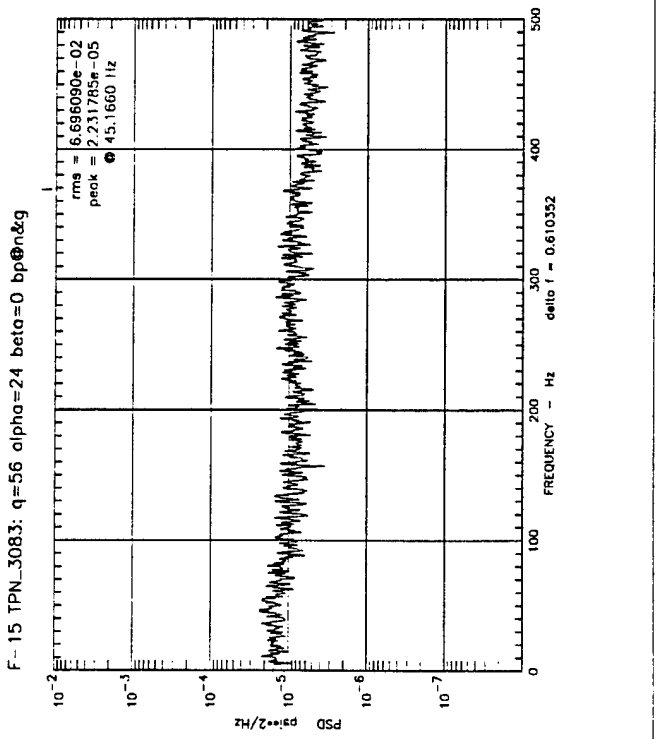


F-15 TPN_3083: q=56 alpha=24 beta=0 bp@n&q

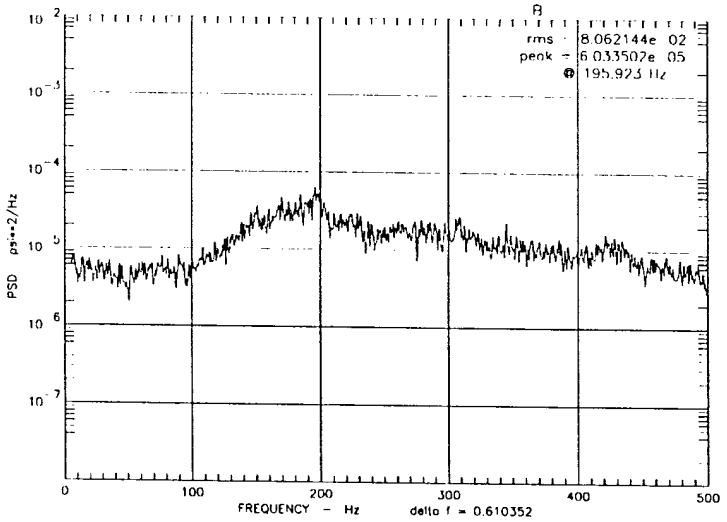



F 15 TPN_3083: q=56 alpha=24 beta=0 bp@n&g
J
rms = 5.903646e-02
peak = 2.107988e-05
@ 230.103 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

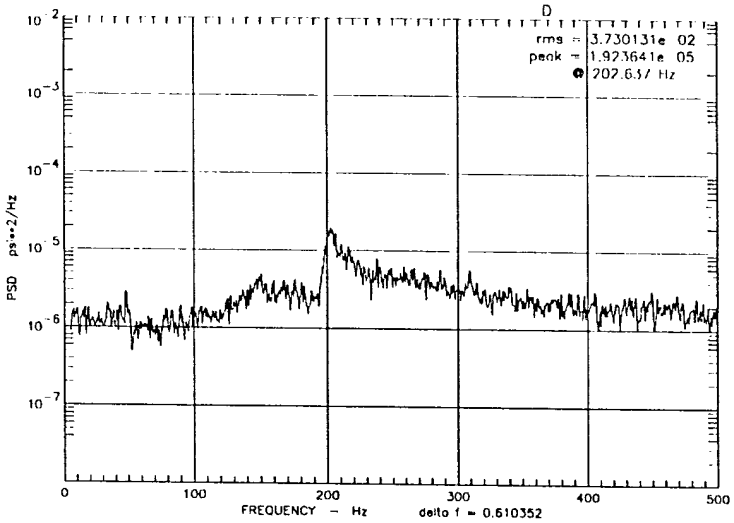

F-15 TPN_3083: q=56 alpha=24 beta=0 bp@n&g
K
rms = 0.213865
peak = 3.330260e-04
@ 188.599 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3083: q=56 alpha=24 beta=0 bp@n&g
I
rms = 6.696090e-02
peak = 2.231785e-05
@ 45.1660 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

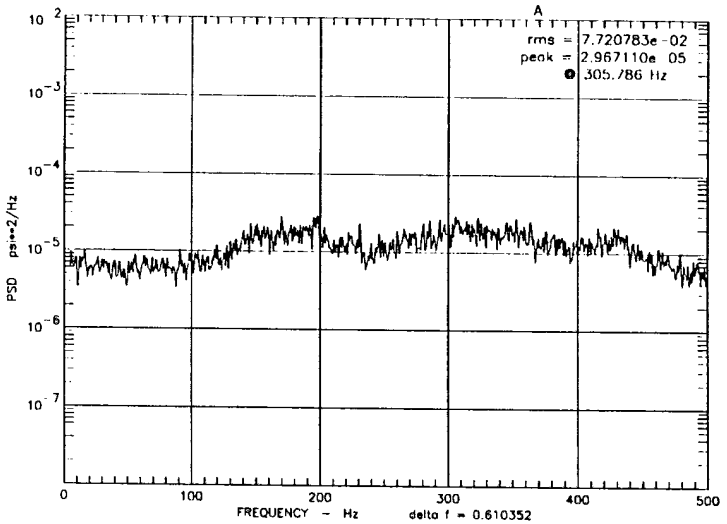
F-15 TPN_3084: q=56 alpha=26 beta=0 bp@n&g



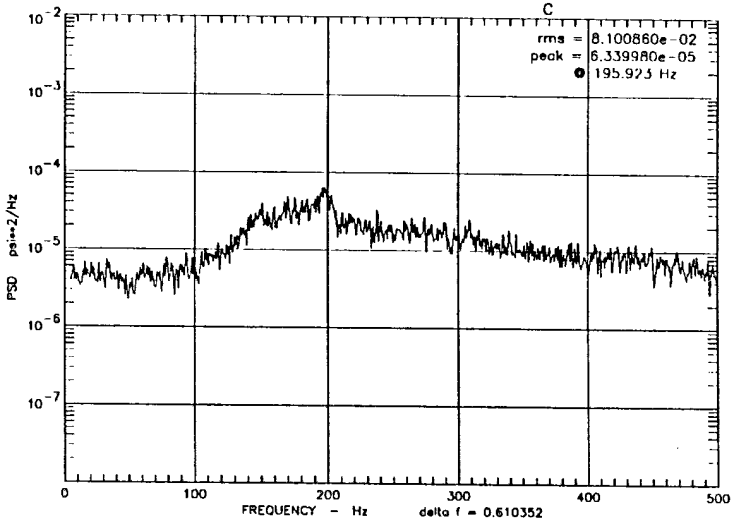
F-15 TPN_3084: q=56 alpha=26 beta=0 bp@n&g



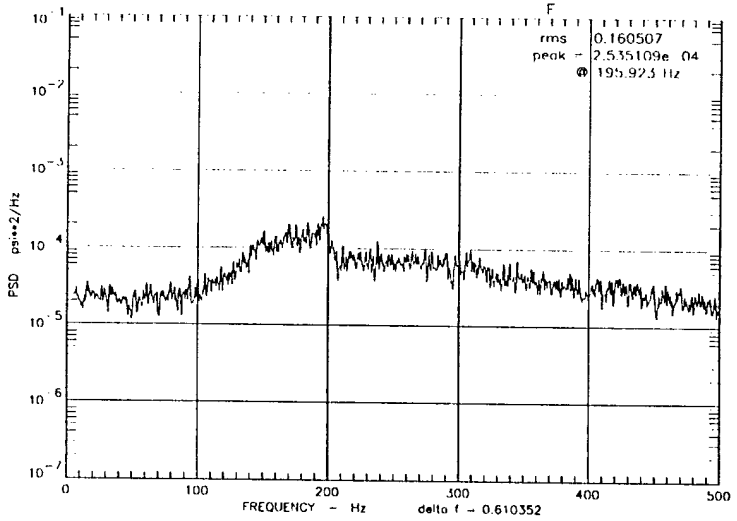
F-15 TPN_3084: q=56 alpha=26 beta=0 bp@n&g



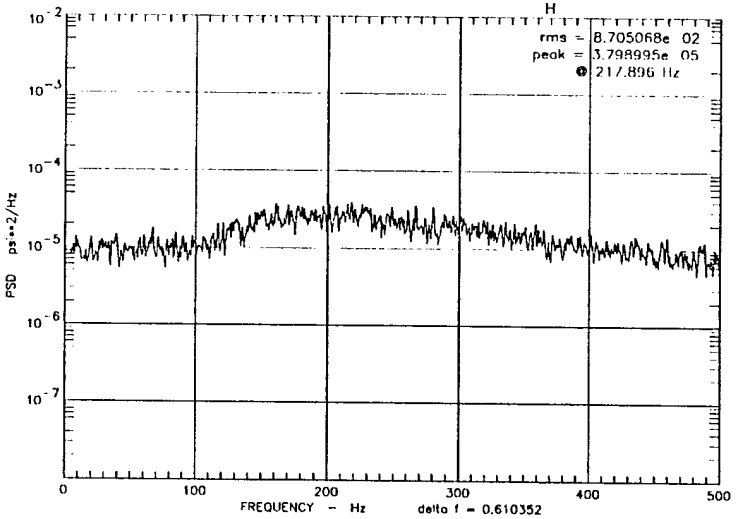
F-15 TPN_3084: q=56 alpha=26 beta=0 bp@n&g



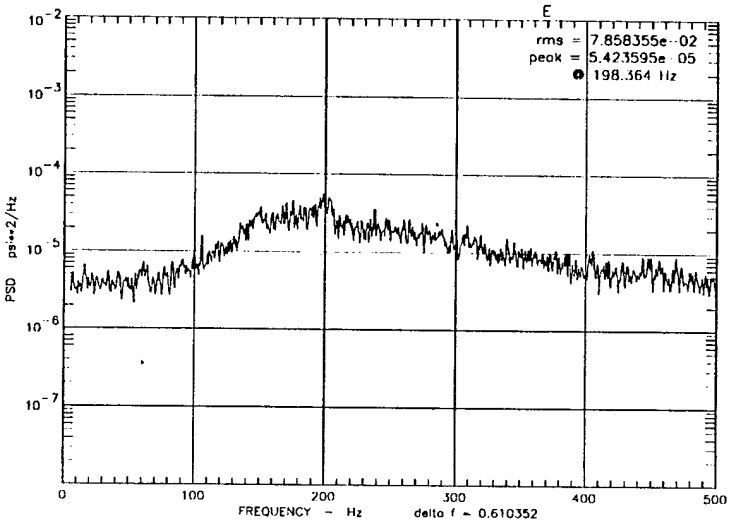
F 15 TPN_3084: q=56 alpha=26 beta=0 bp@n&g



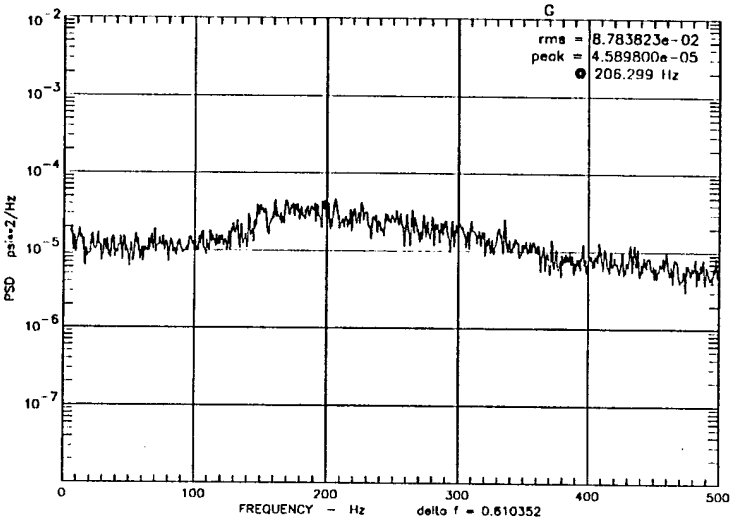
F 15 TPN_3084: q=56 alpha=26 beta=0 bp@n&g



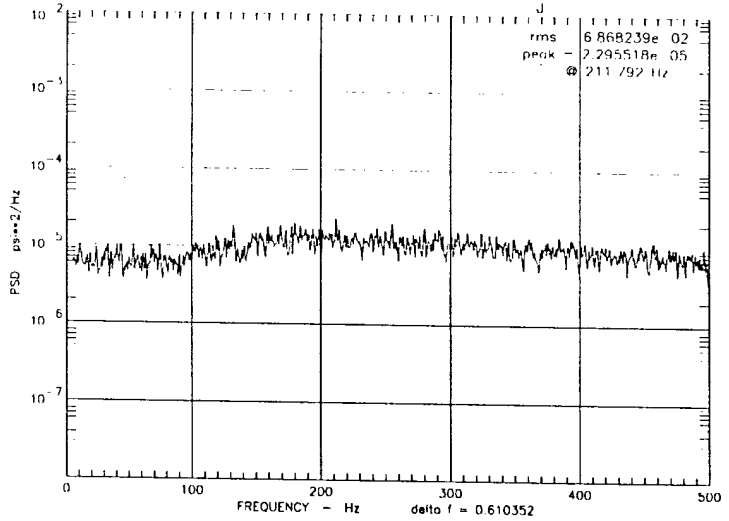
F-15 TPN_3084: q=56 alpha=26 beta=0 bp@n&g



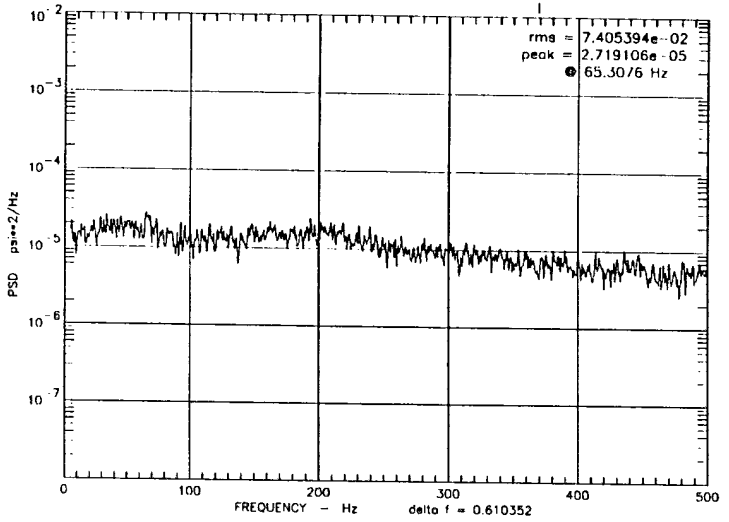
F-15 TPN_3084: q=56 alpha=26 beta=0 bp@n&g



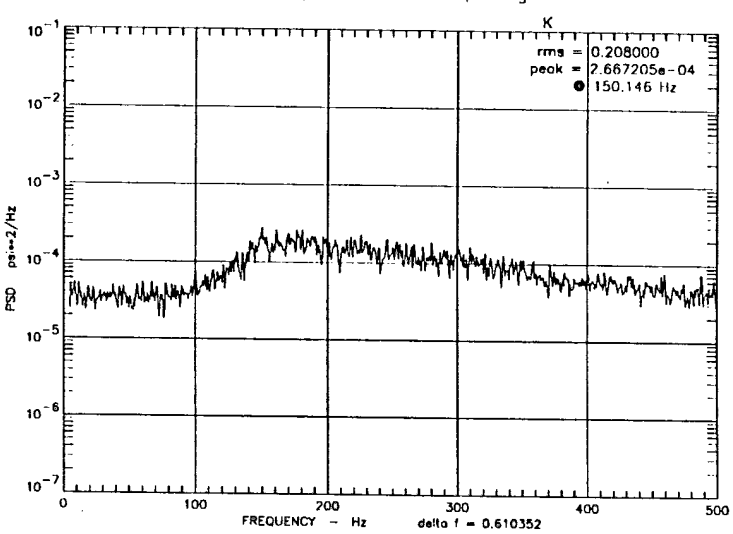
F 15 TPN 3084: q=56 alpha=26 beta=0 bp@n&q

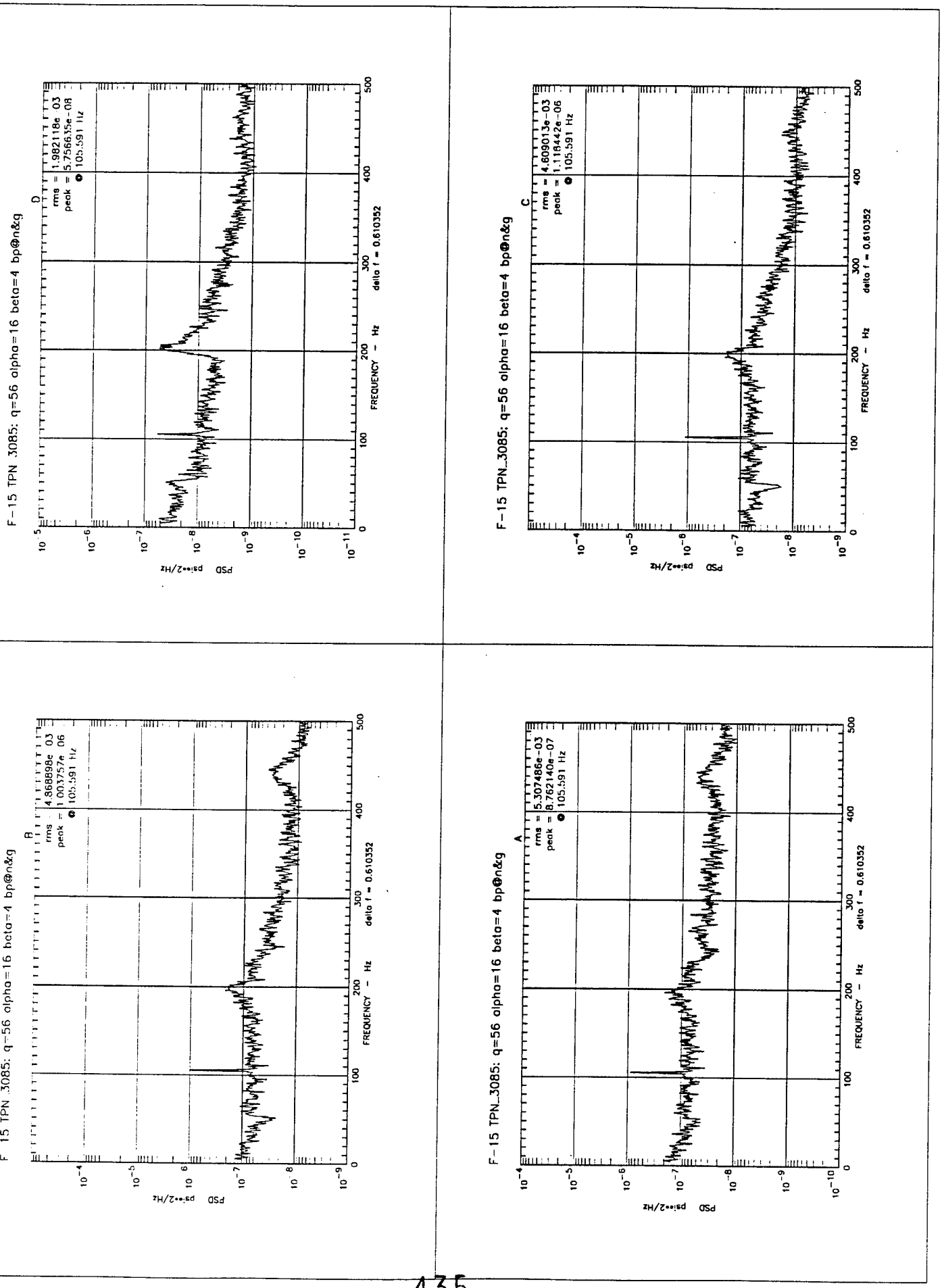


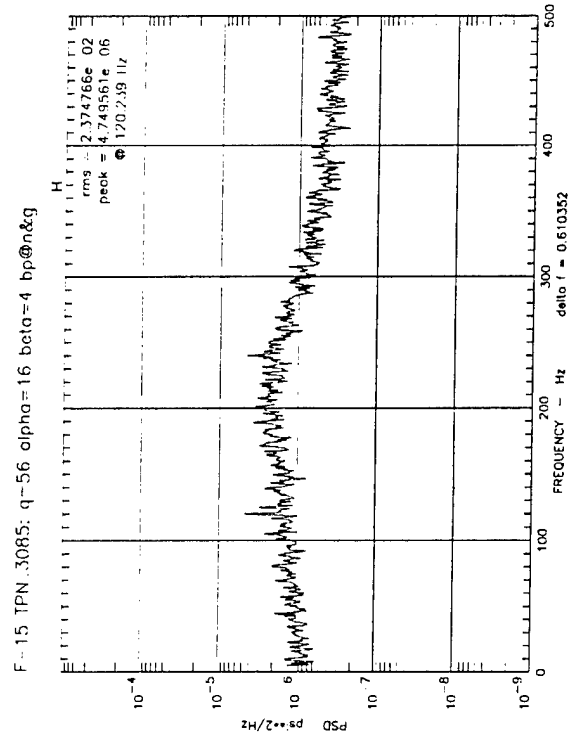
F-15 TPN_3084: q=56 alpha=26 beta=0 bp@n&q

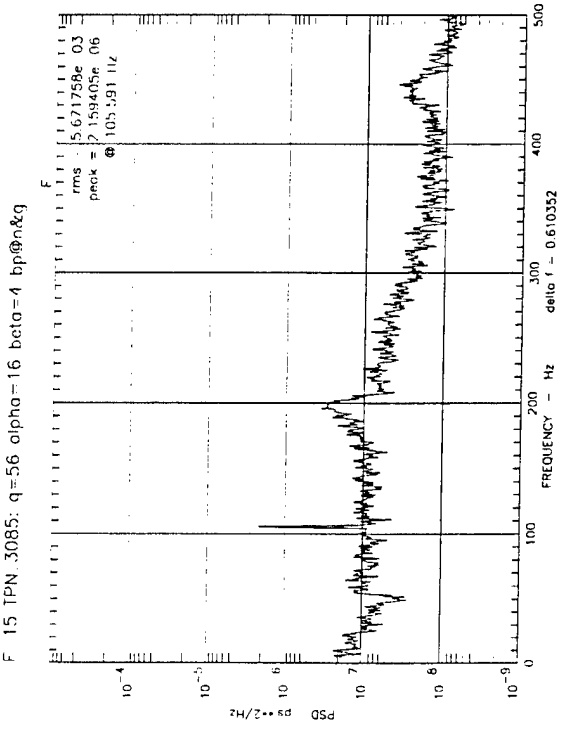


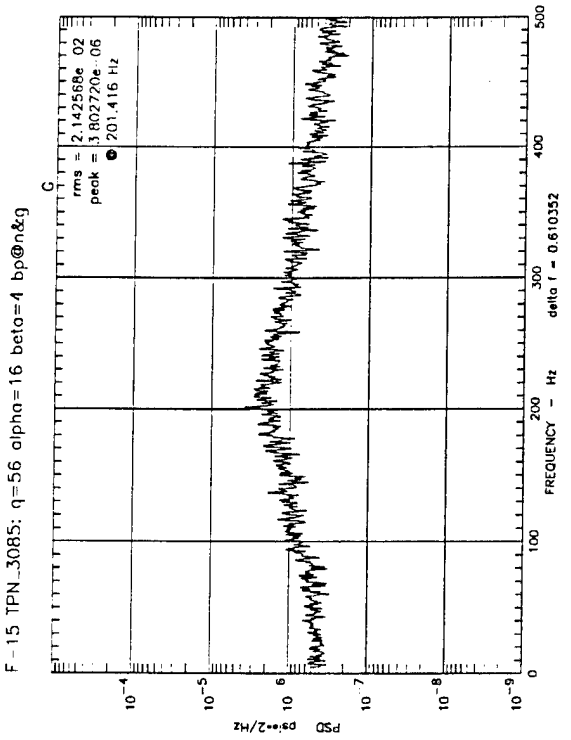
F-15 TPN_3084: q=56 alpha=26 beta=0 bp@n&q

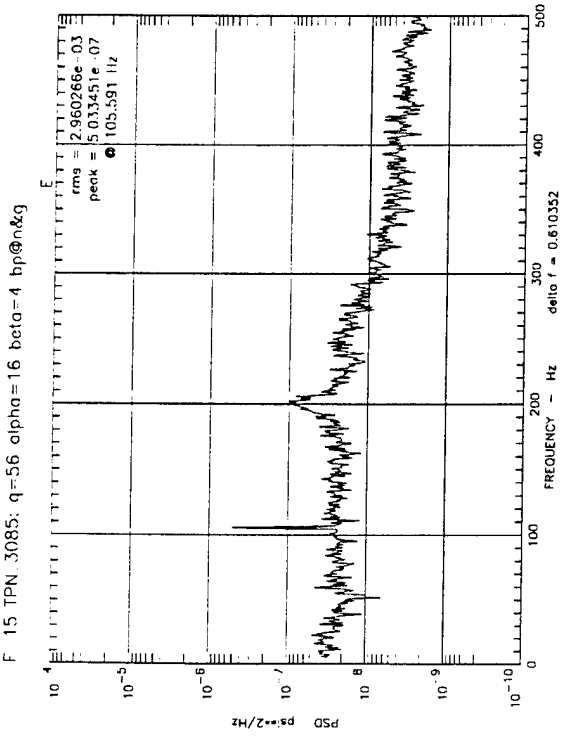


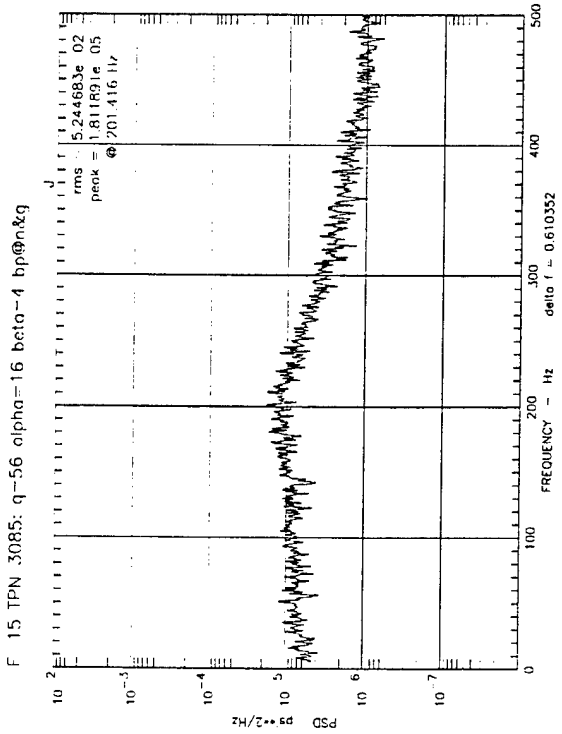

F-15 TPN_3085: q=56 alpha=16 beta=4 bp@n&g
D
rms = 1.982118e-03
peak = 5.756635e-08
@ 105.591 Hz
C
rms = 4.609013e-03
peak = 1.118442e-06
@ 105.591 Hz
B
rms = 4.868898e-03
peak = 1.003757e-06
@ 105.591 Hz
A
rms = 5.307486e-03
peak = 8.762140e-07
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

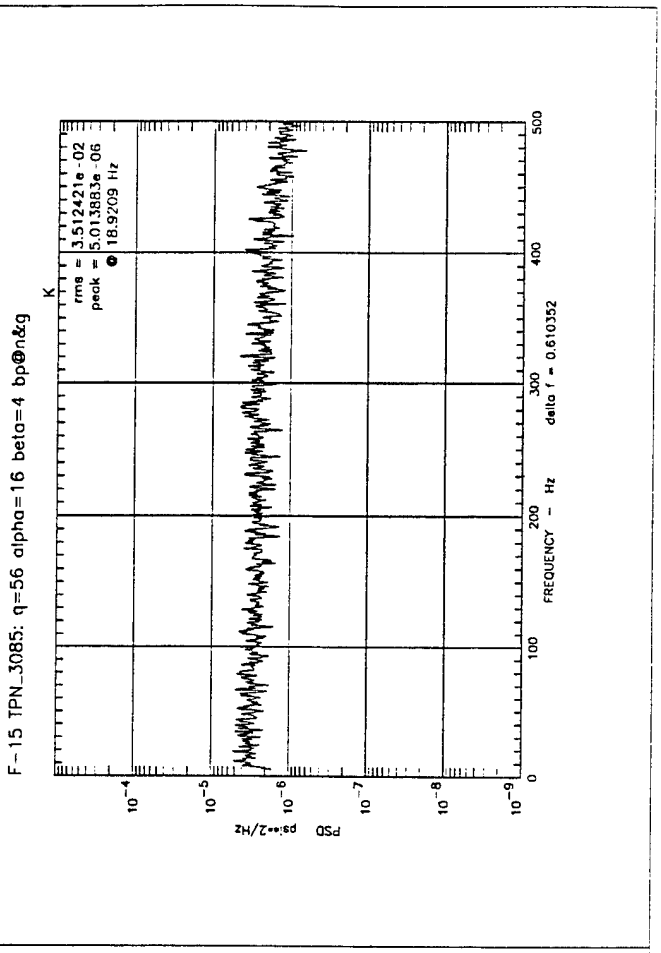

F 15 TPN 3085: q=56 alpha=16 beta=4 bp@n&g
H
rms = 2.374766e 02
peak = 4.749561e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

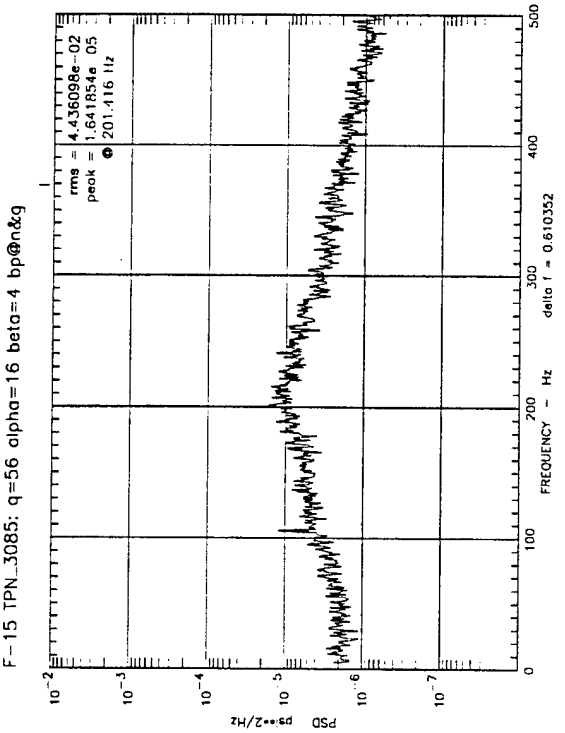

F 15 TPN 3085: q=56 alpha=16 beta=4 bp@n&g
F
rms = 5.671758e 03
peak = 2.159405e 06
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

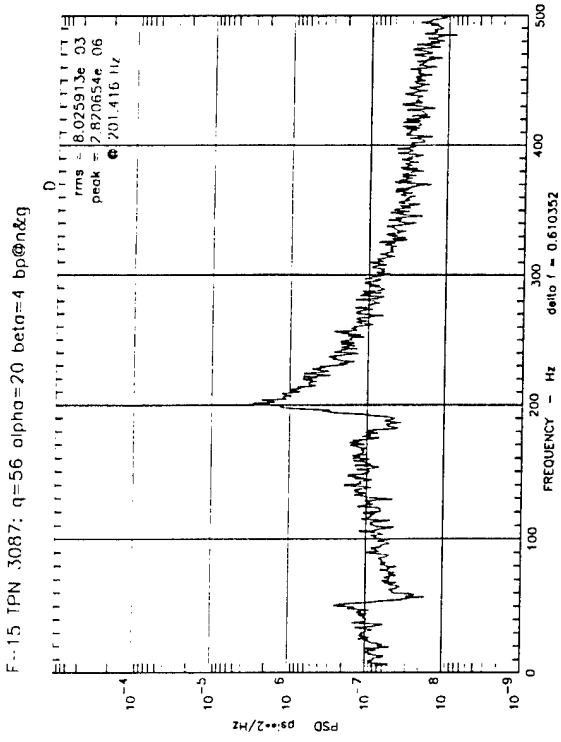

F 15 TPN 3085: q=56 alpha=16 beta=4 bp@n&g
G
rms = 2.142568e 02
peak = 3.802720e 06
@ 201.416 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

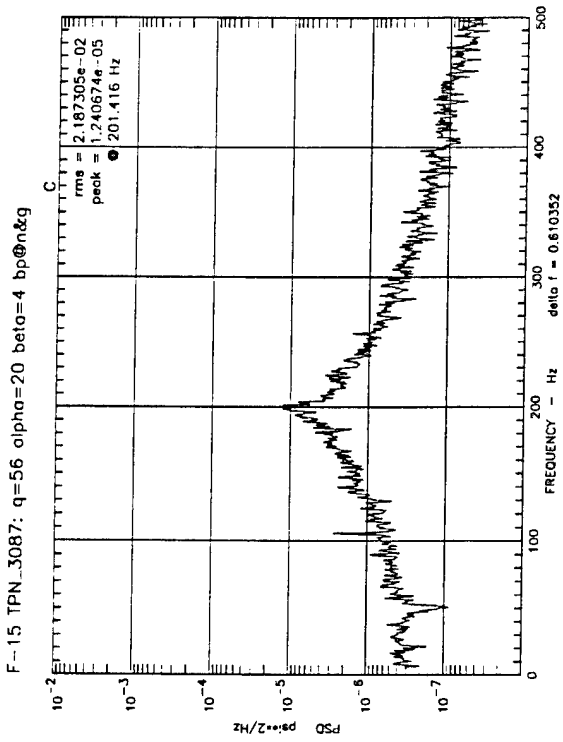

F 15 TPN 3085: q=56 alpha=16 beta=4 bp@n&g
E
rms = 2.960266e 03
peak = 5.033451e 07
@ 105.591 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

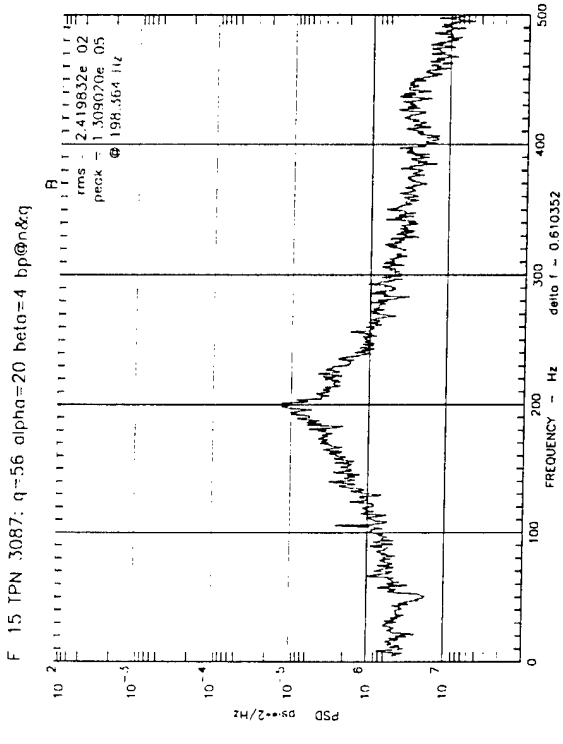

F 15 TPN 3085: q=56 alpha=16 beta=4 bp@n&g
J
rms = 5.24468e-02
peak = 1.81189e-05
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

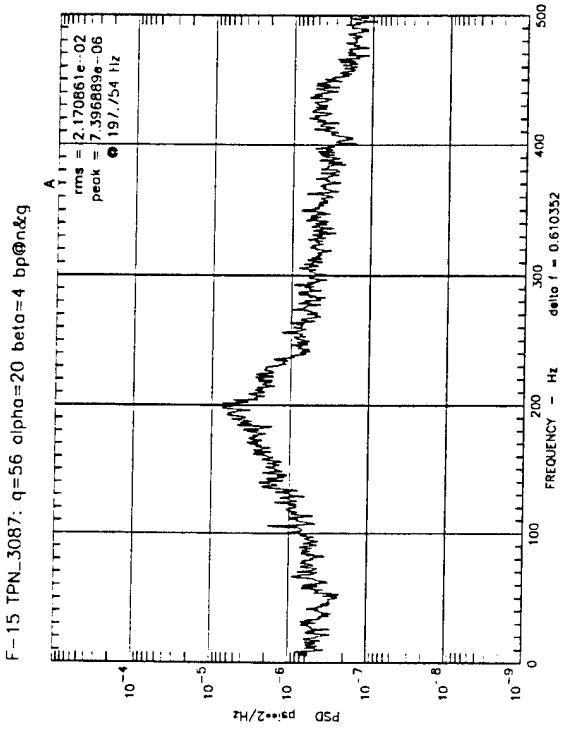

F-15 TPN_3085: q=56 alpha=16 beta=4 bp@n&g
K
rms = 3.51242le-02
peak = 5.01388e-06
@ 18.9209 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3085: q=56 alpha=16 beta=4 bp@n&g
I
rms = 4.436098e-02
peak = 1.641854e-05
@ 201.416 Hz
PSD g**2/Hz
FREQUENCY - Hz
delta f = 0.610352

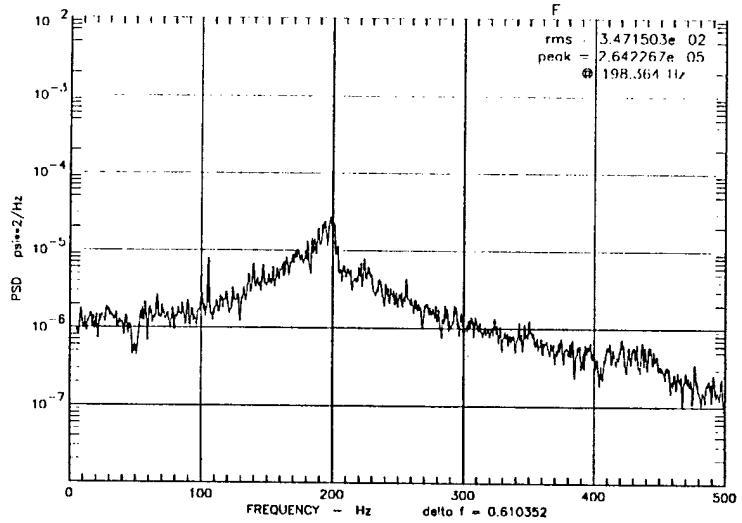

F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g
D
rms = 8.025913e-03
peak = 7.820654e-06
@ 201.416 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g
C
rms = 2.187305e-02
peak = 1.240674e-05
@ 201.416 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

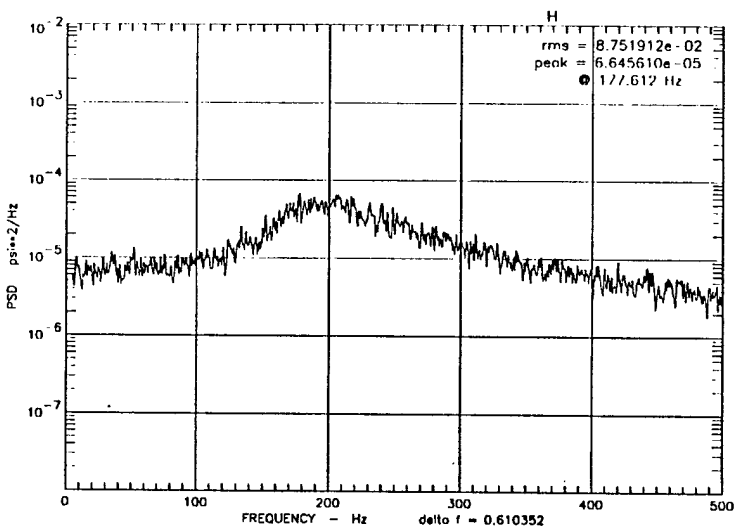

F 15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g
B
rms = 2.419832e-02
peak = 1.309070e-05
@ 198.364 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g
A
rms = 2.170861e-02
peak = 7.396889e-06
@ 197.754 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

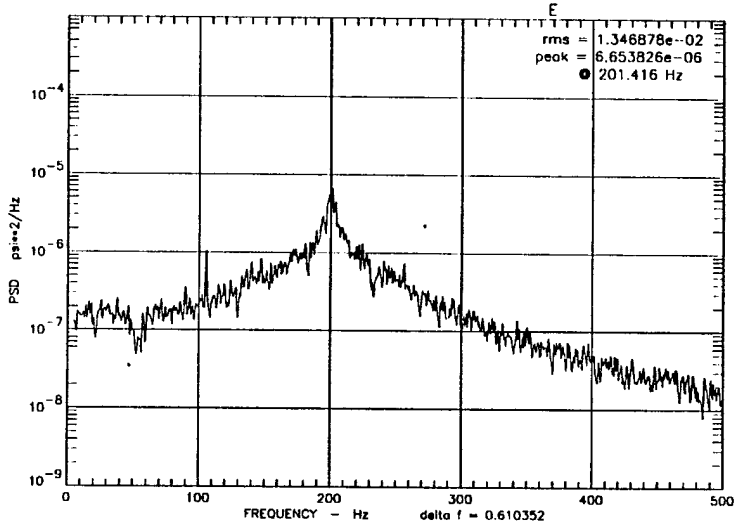
F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g



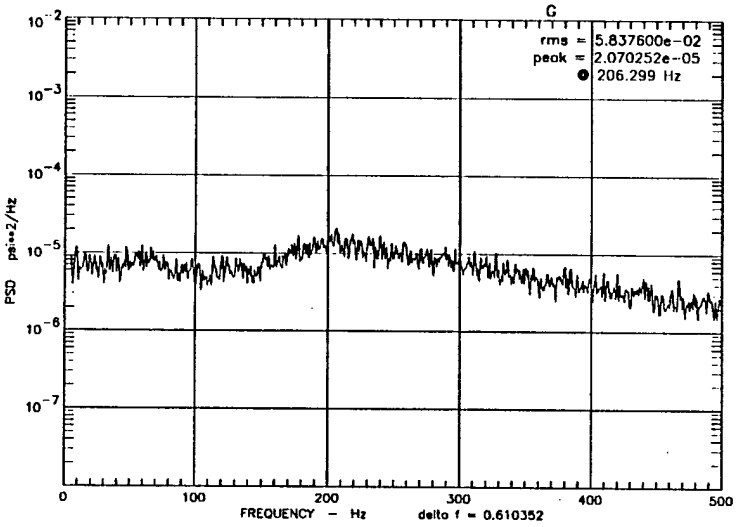
F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g



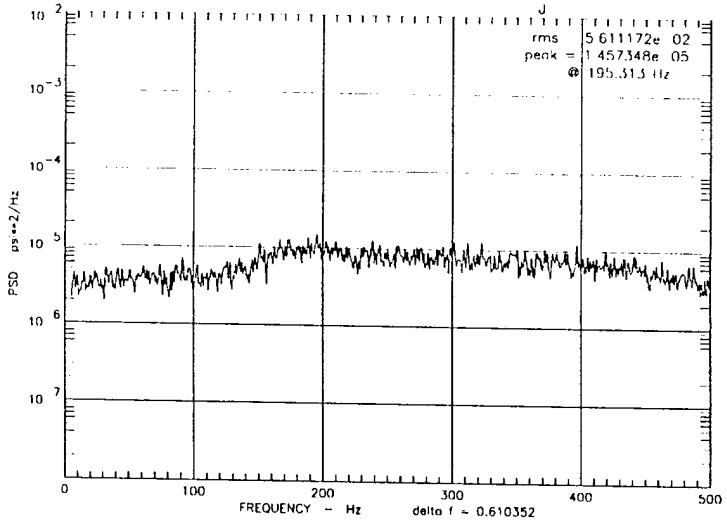
F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g



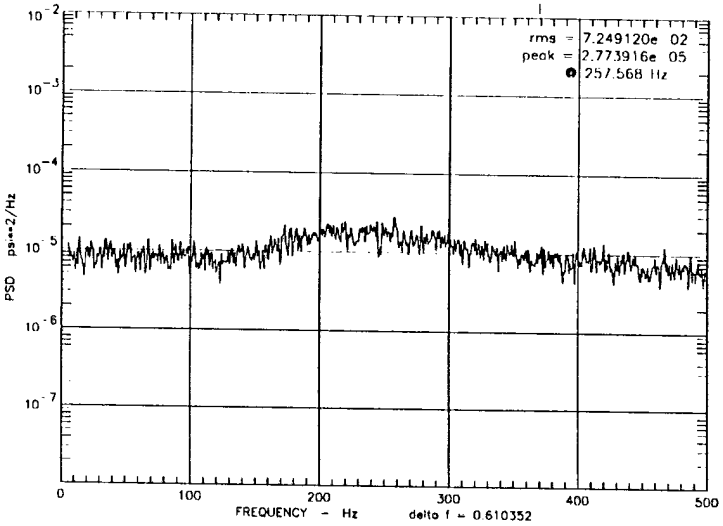
F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g



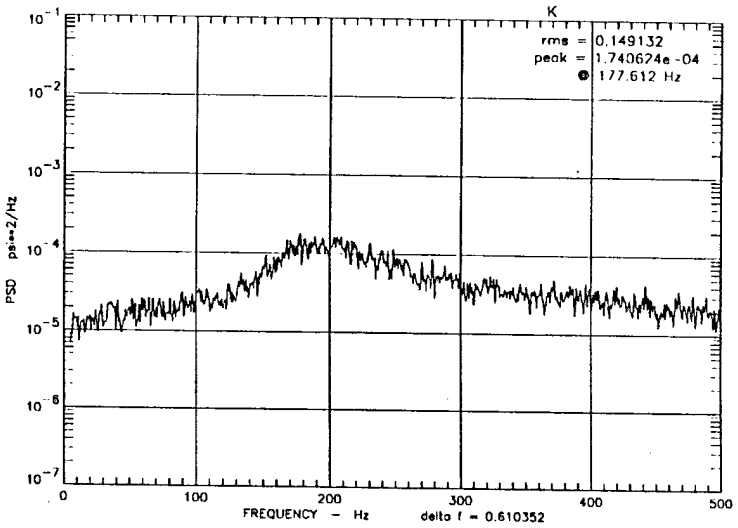
F 15 TPN 3087: q=56 alpha=20 beta=4 bp@n&g

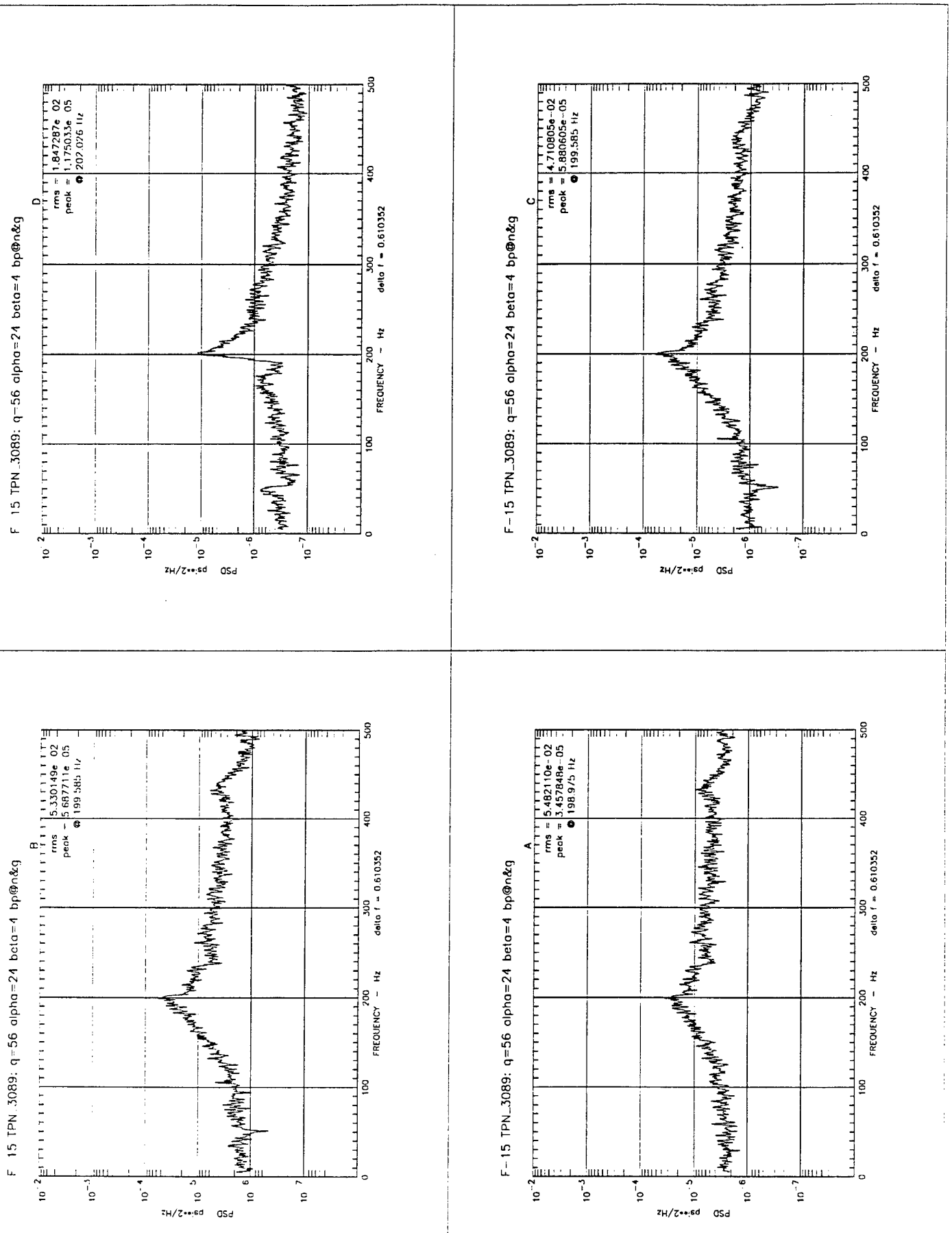


F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g

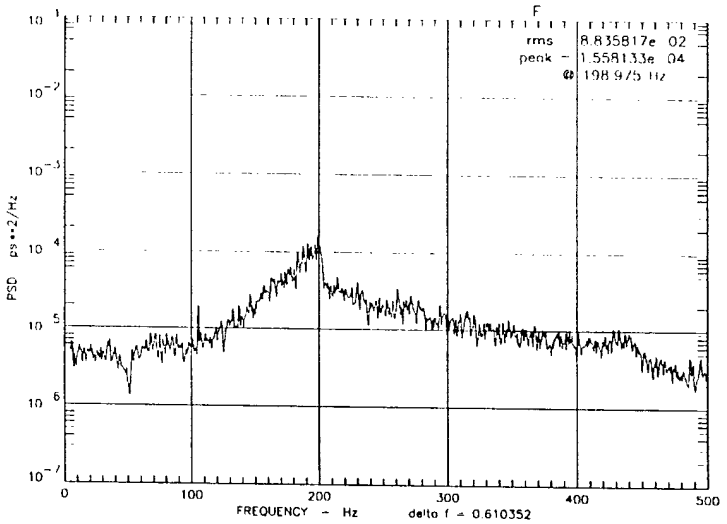


F-15 TPN_3087: q=56 alpha=20 beta=4 bp@n&g

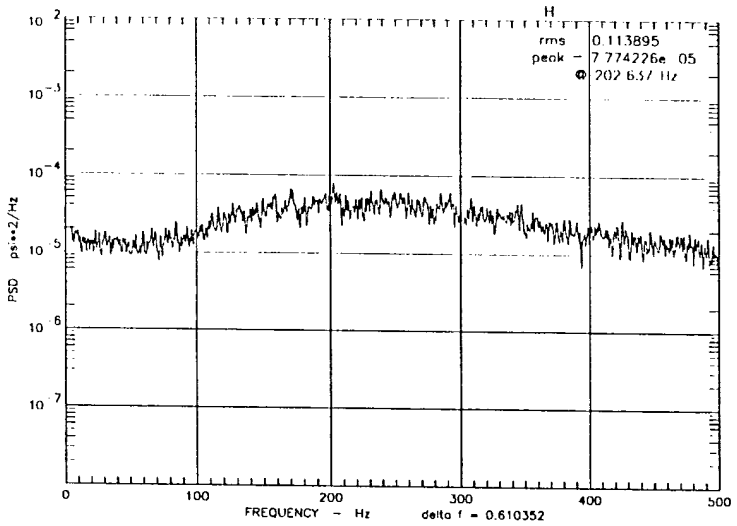



F 15 TPN_3089: q=56 alpha=24 beta=4 bp@n&g
D
rms = 1.847287e 02
peak = 1.175033e 05
@ 202.026 Hz
PSD ps:**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3089: q=56 alpha=24 beta=4 bp@n&g
C
rms = 4.710805e-02
peak = 5.880605e-05
@ 199.585 Hz
PSD ps:**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3089: q=56 alpha=24 beta=4 bp@n&g
B
rms = 5.330149e 02
peak = 5.687711e 05
@ 199.585 Hz
PSD ps:**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3089: q=56 alpha=24 beta=4 bp@n&g
A
rms = 5.482110e-02
peak = 3.457848e-05
@ 198.975 Hz
PSD ps:**2/Hz
FREQUENCY - Hz
delta f = 0.610352

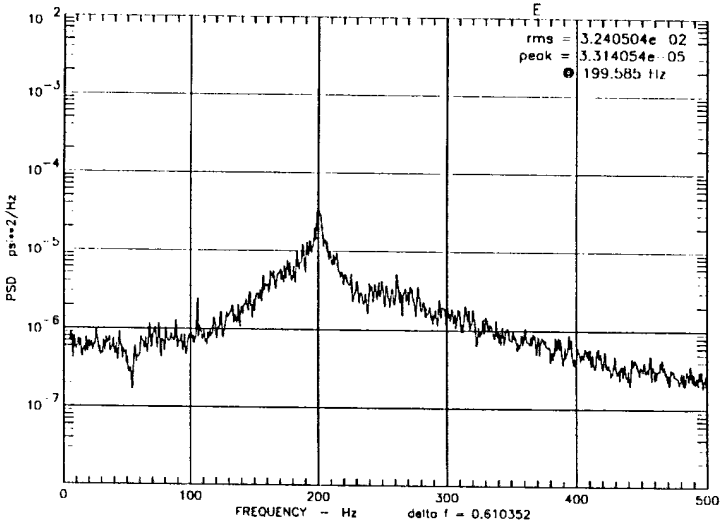
F 15 TPN 3089: q=56 alpha=24 beta=4 bp@n&g



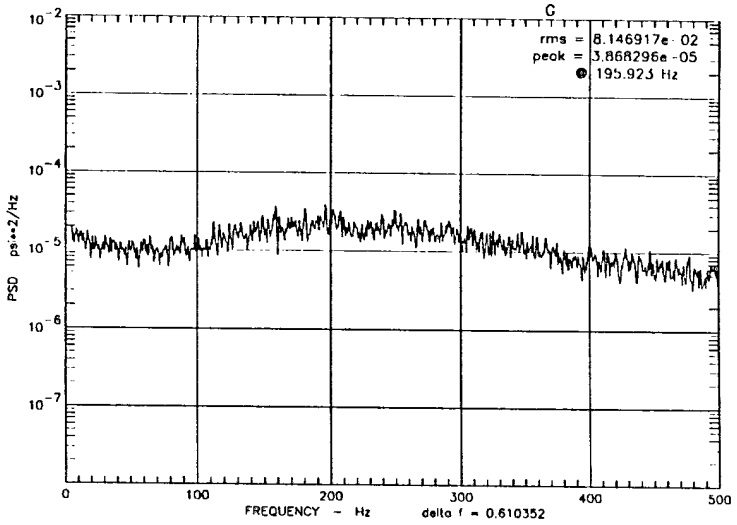
F 15 TPN_3089: q=56 alpha=24 beta=4 bp@n&g



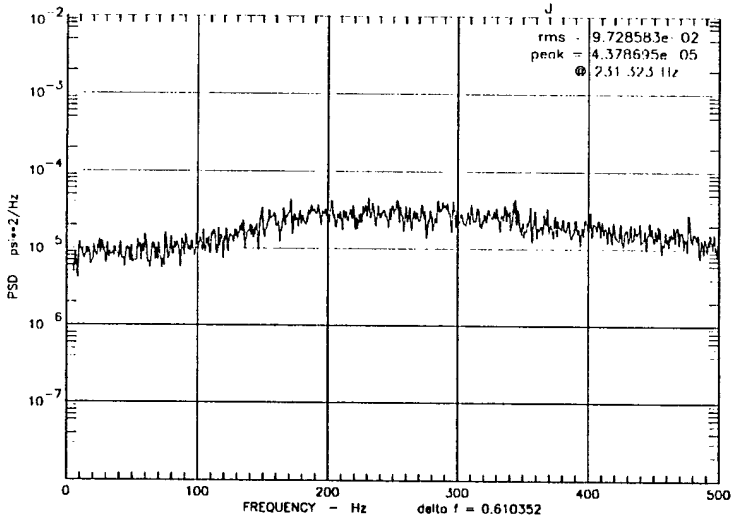
F-15 TPN_3089: q=56 alpha=24 beta=4 bp@n&g



F-15 TPN_3089: q=56 alpha=24 beta=4 bp@n&g



F 15 TPN_3089: q=56 alpha=24 beta=4 bp@n&g



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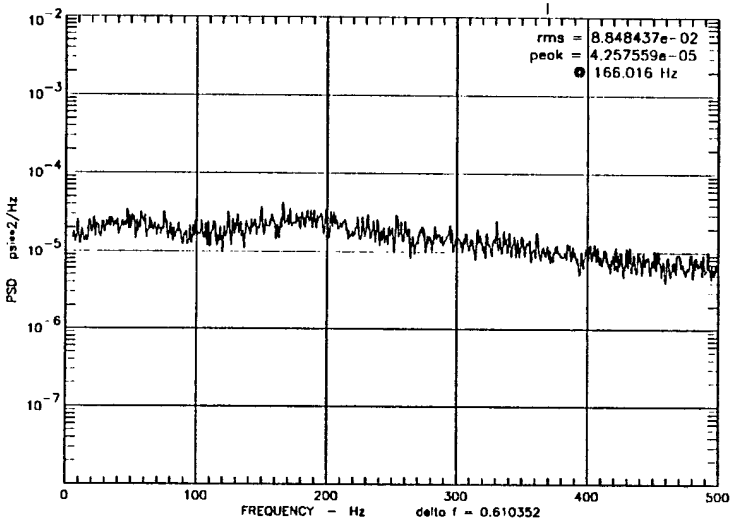

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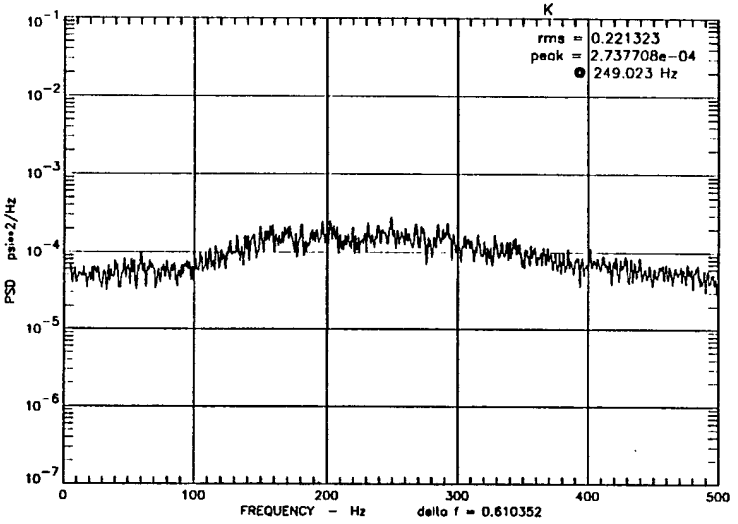

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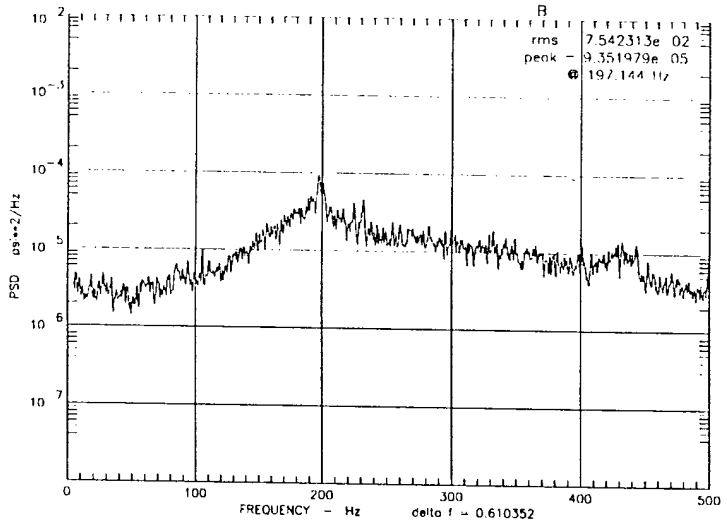

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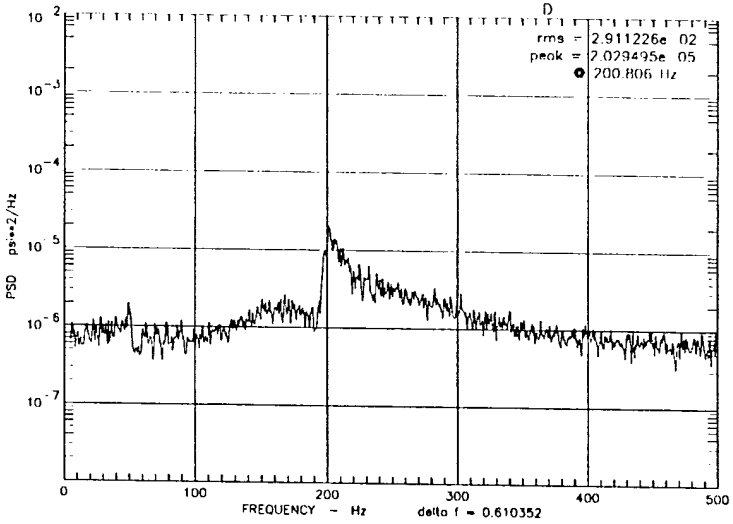

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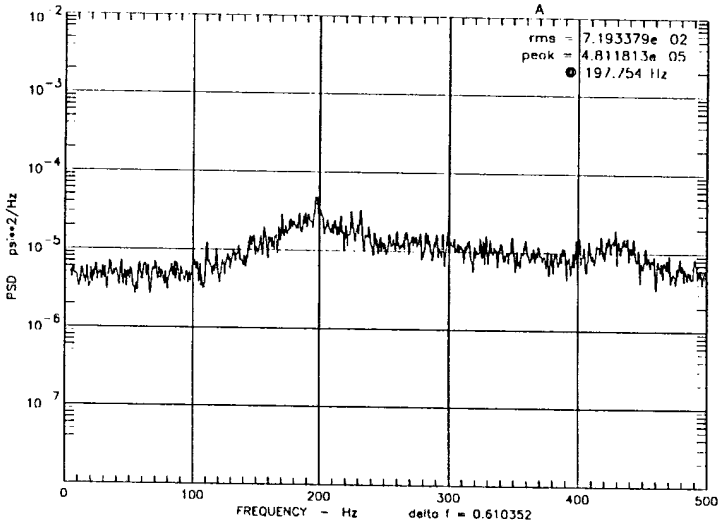

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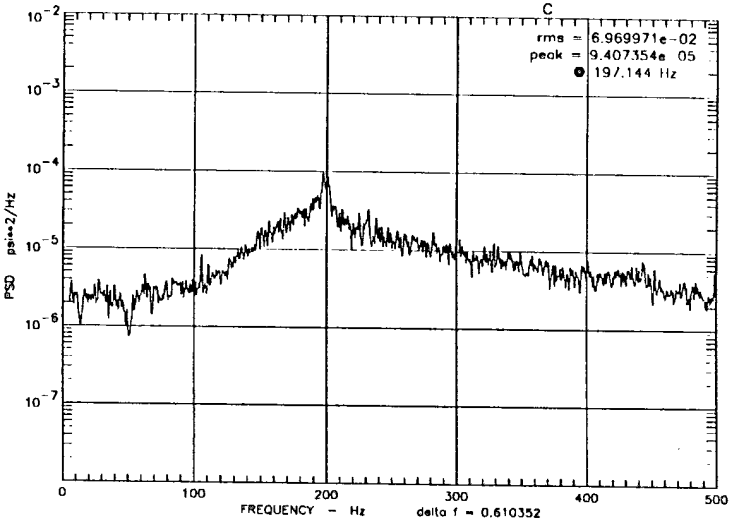

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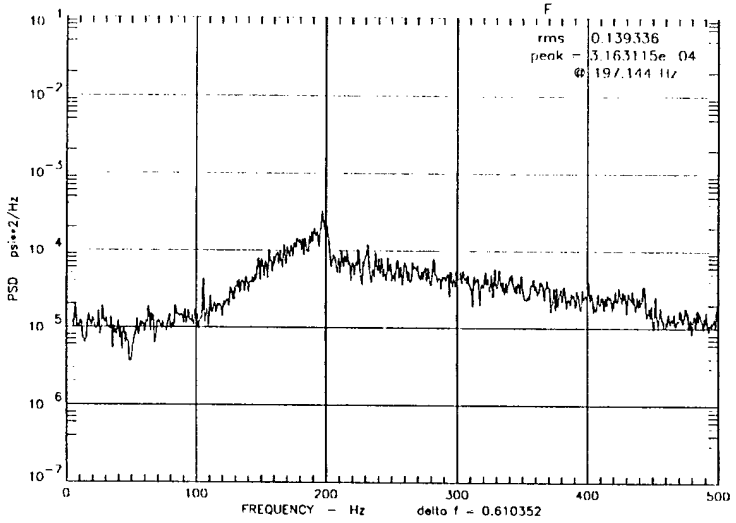

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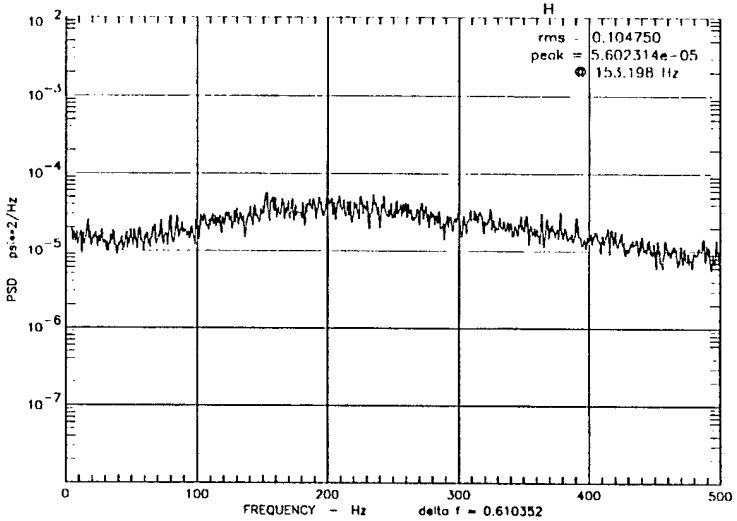

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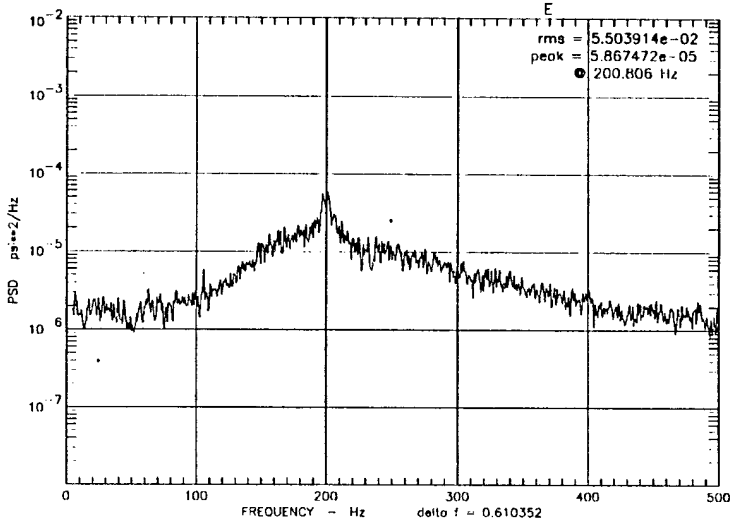

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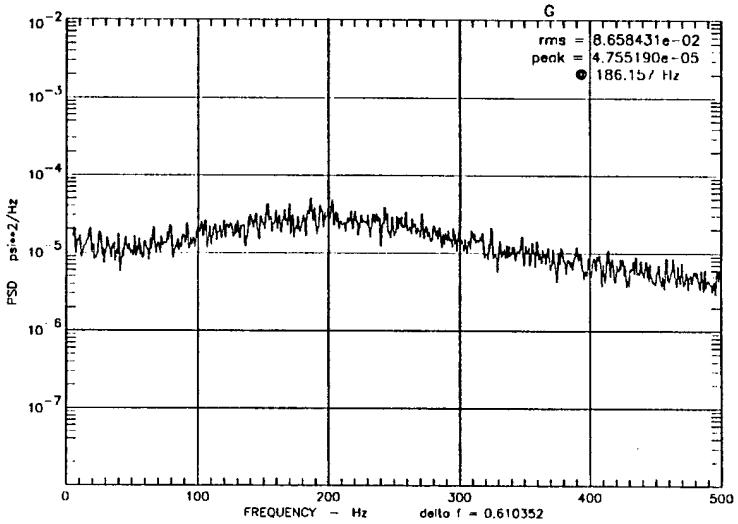

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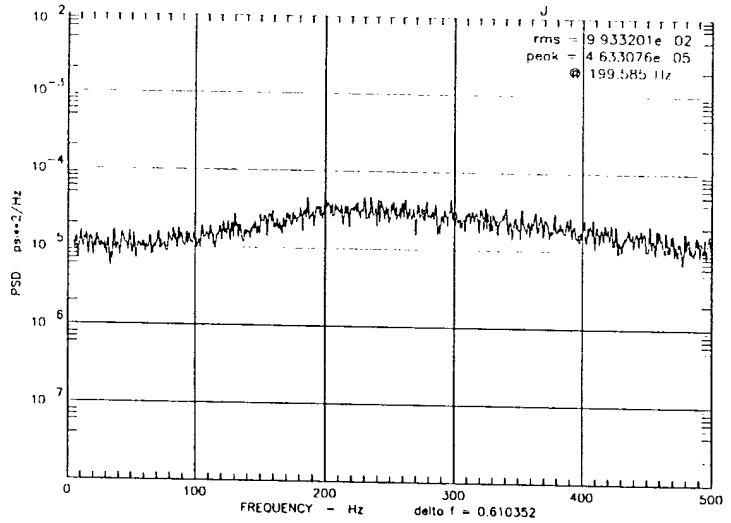

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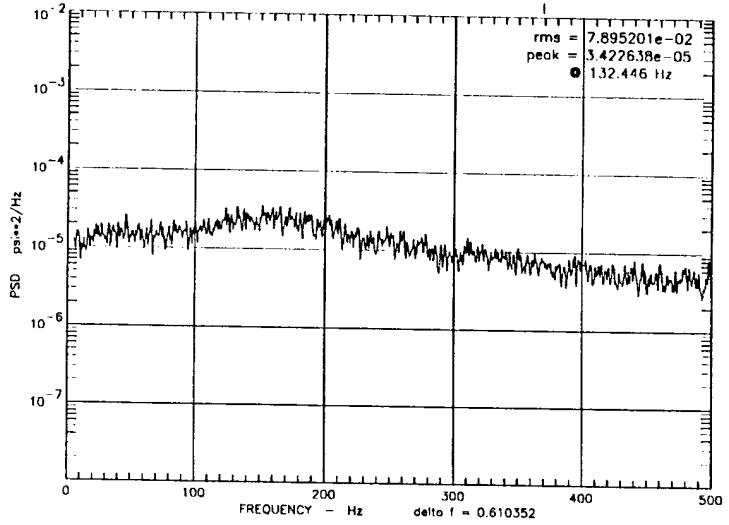

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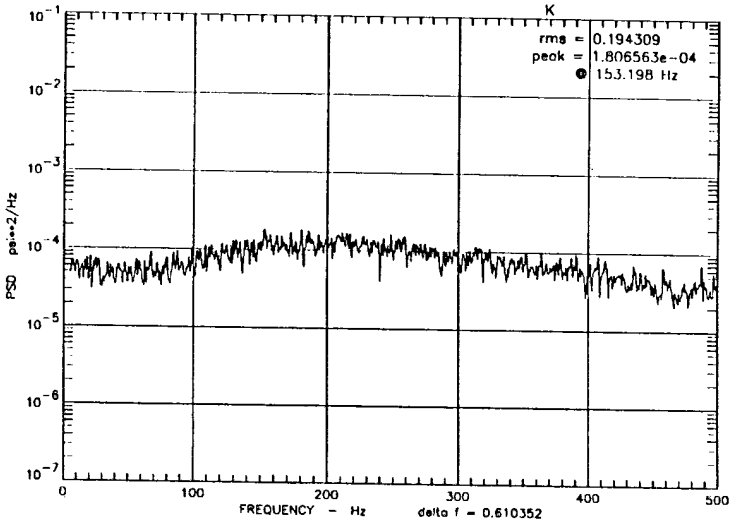
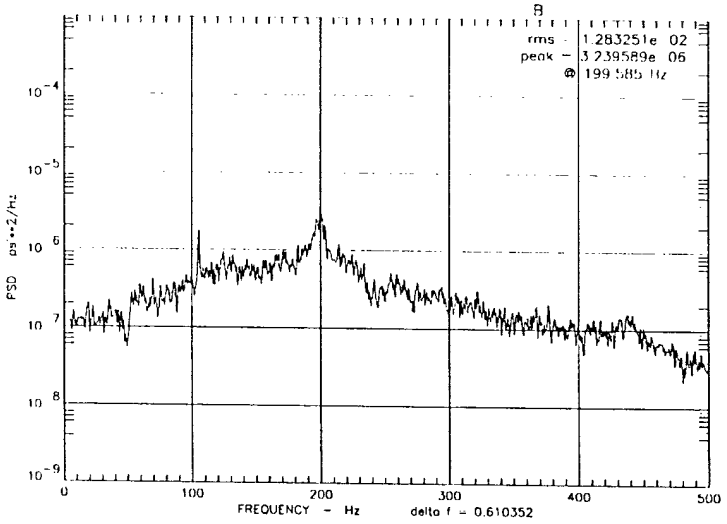


PRESSURE PSD's

Q=56 PSF

2.1.2.6 PSD GRAPHS(5- 500 Hz), NBP = 87 PSI, WBP = 65 PSI, Beta = 0, +4, -4 Deg, Alpha = 8...32 Deg

F 15 TPN 3094: q=56 alpha=16 beta=-4 bp@n&w



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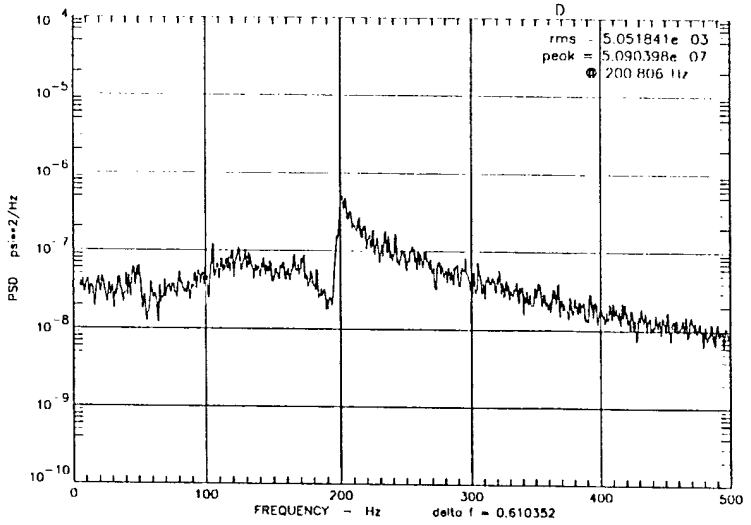

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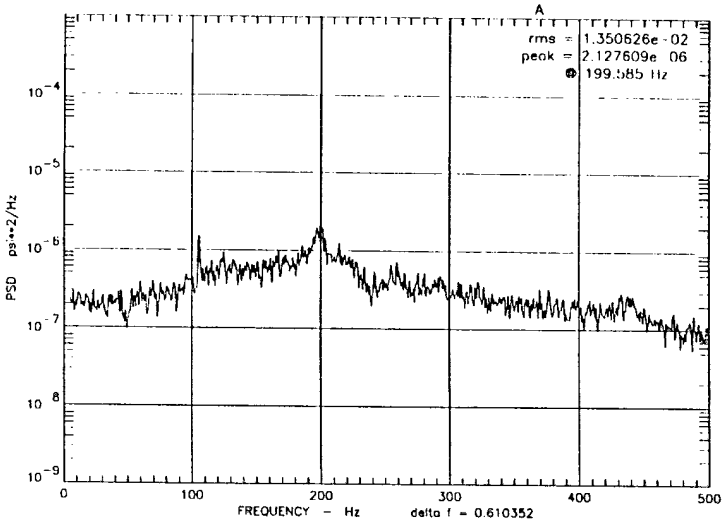

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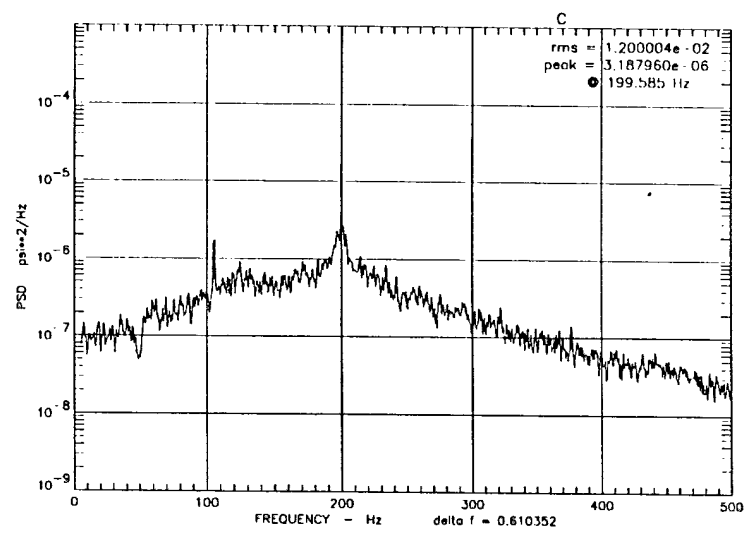

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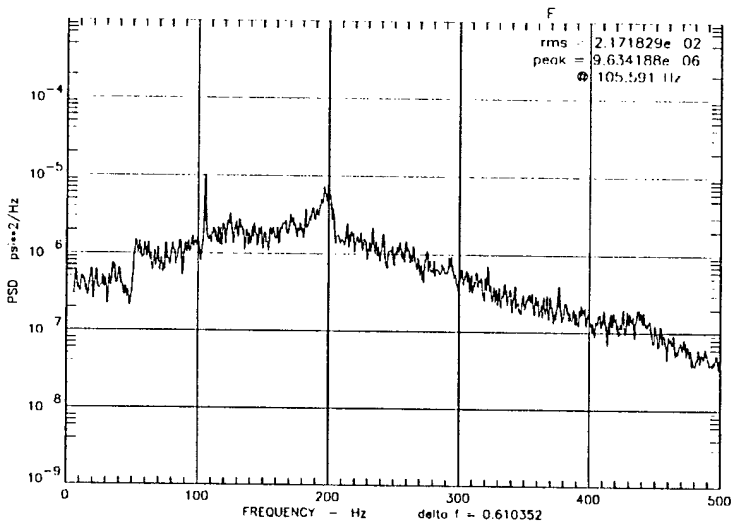

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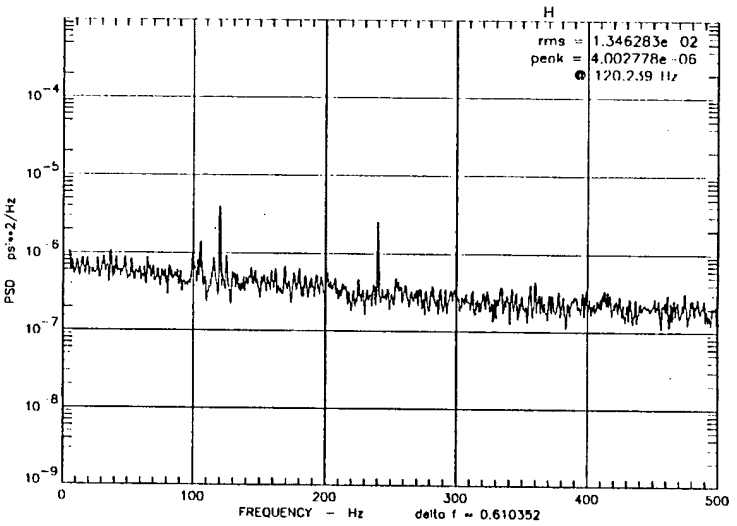

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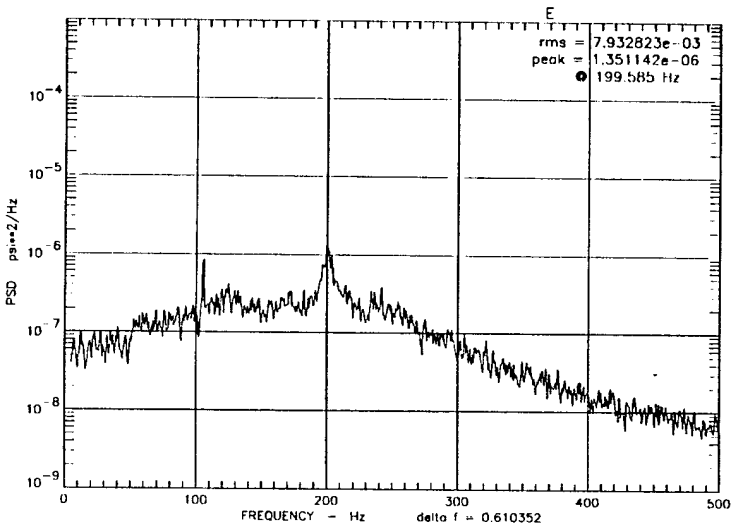

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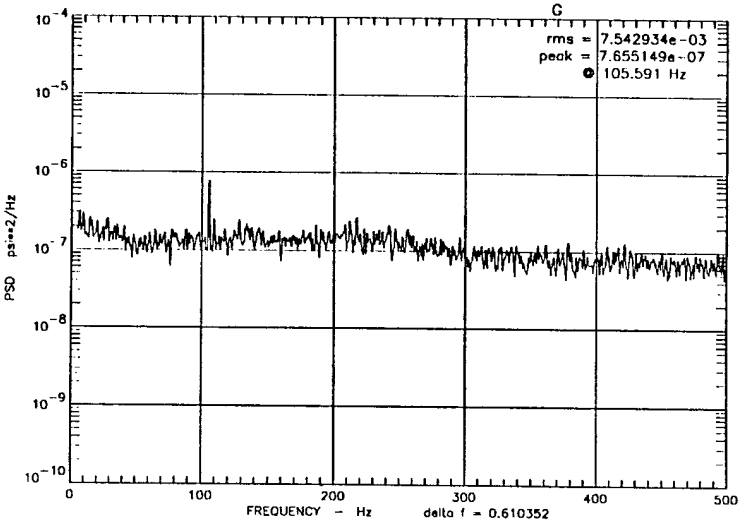

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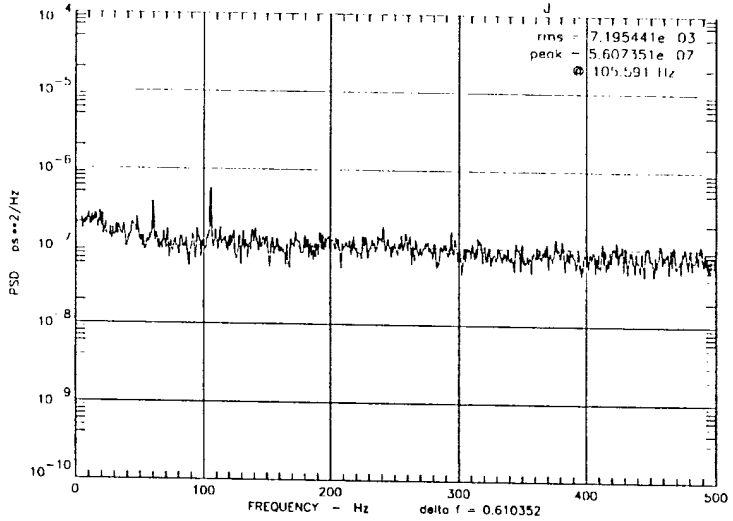

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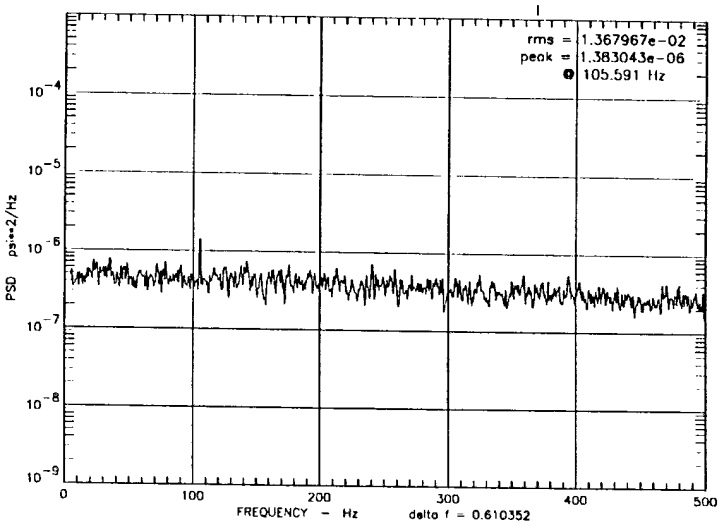
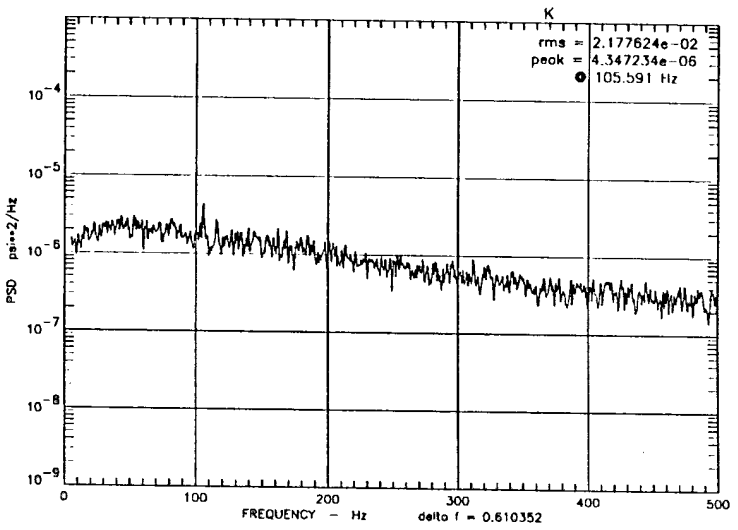


F-15 TPN_3094: q=56 alpha=16 beta=-4 bp@n&w



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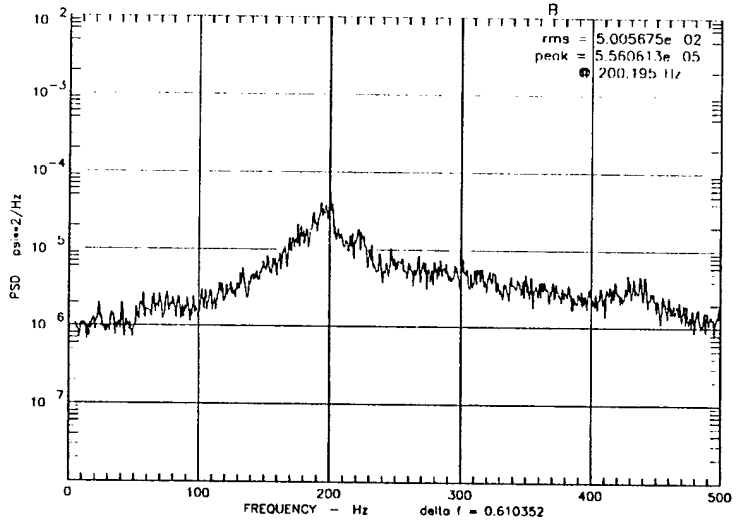

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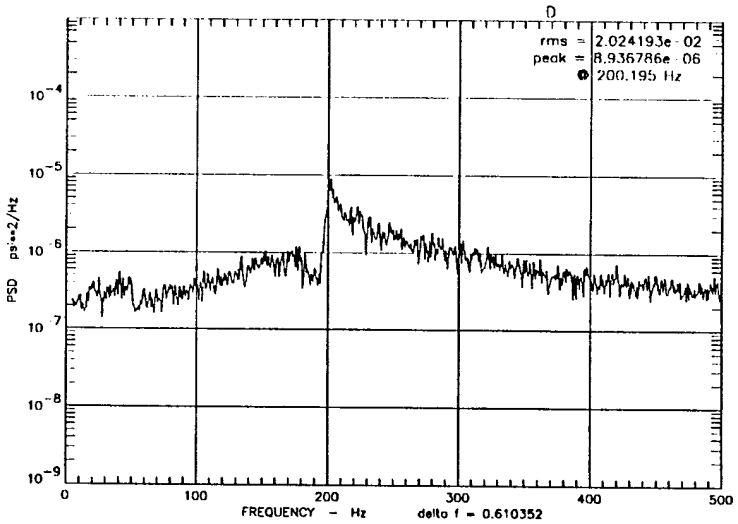

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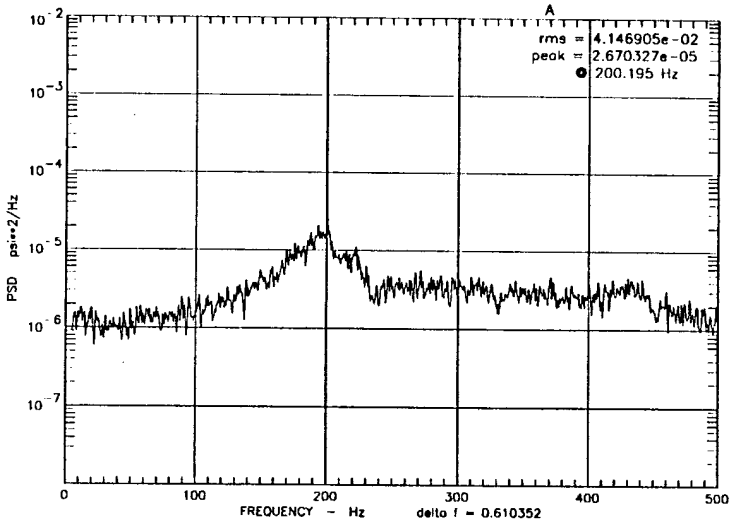

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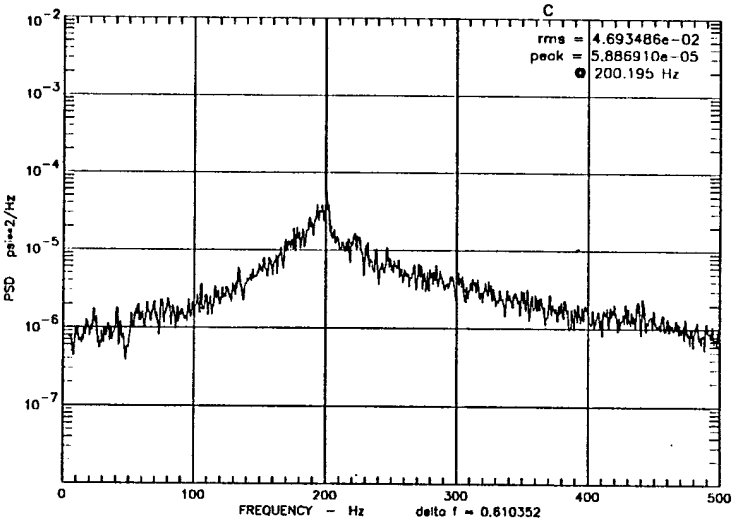

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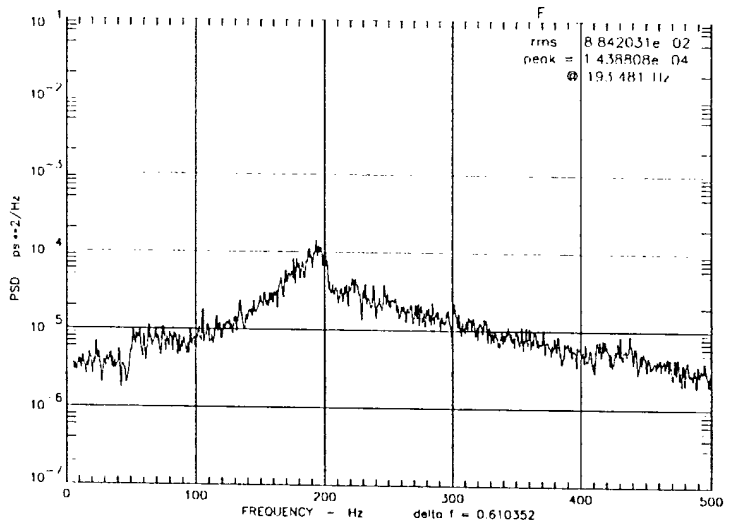

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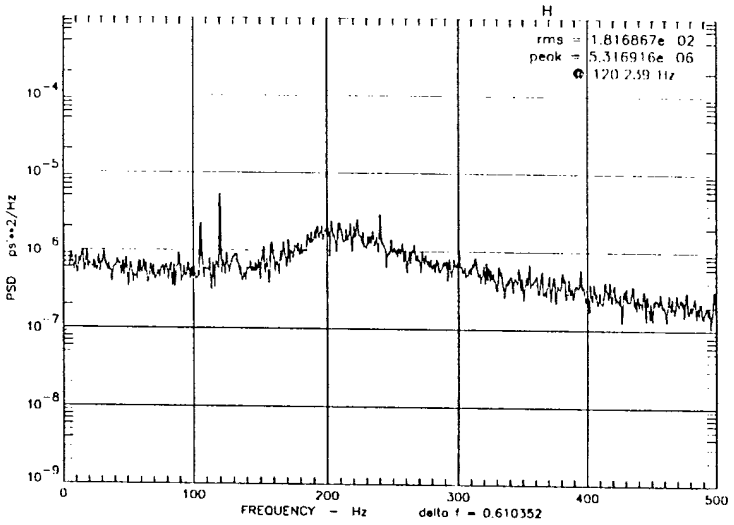

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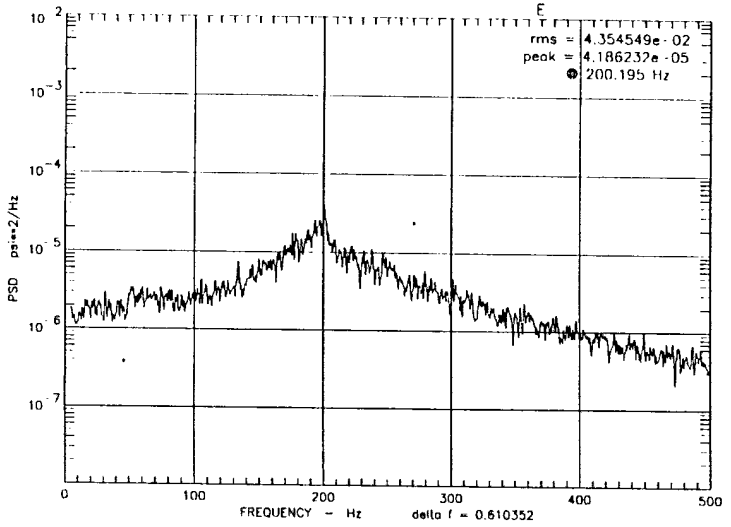
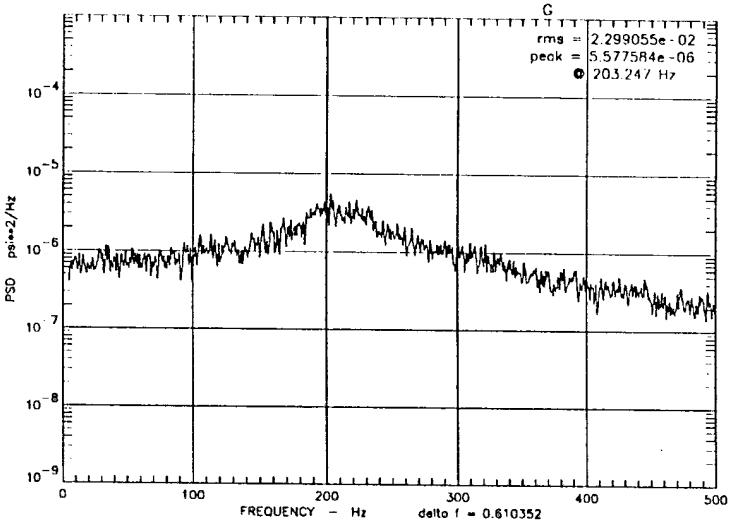


F-15 TPN..3096: q=56 alpha=20 beta=-4 bp@n&w



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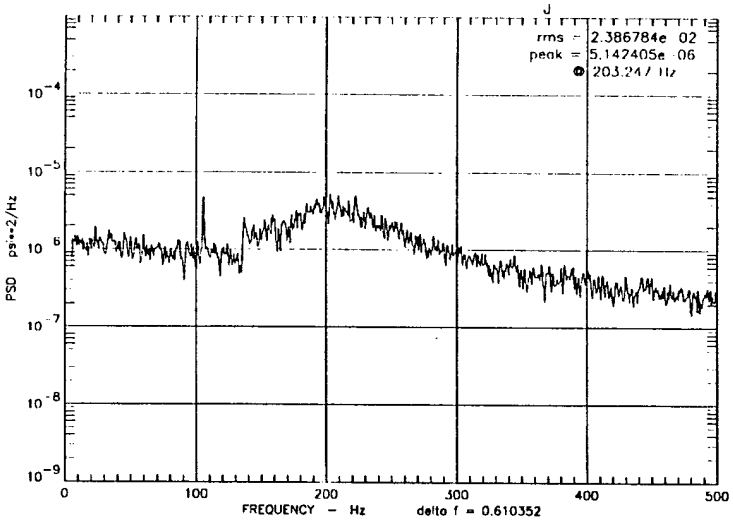

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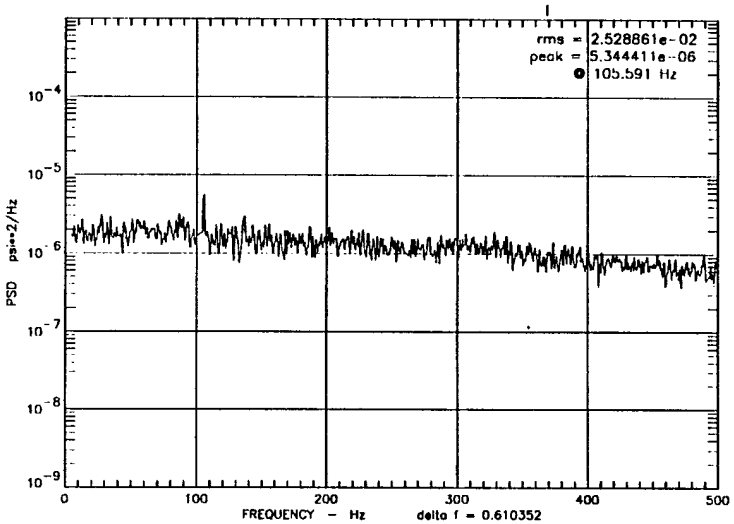

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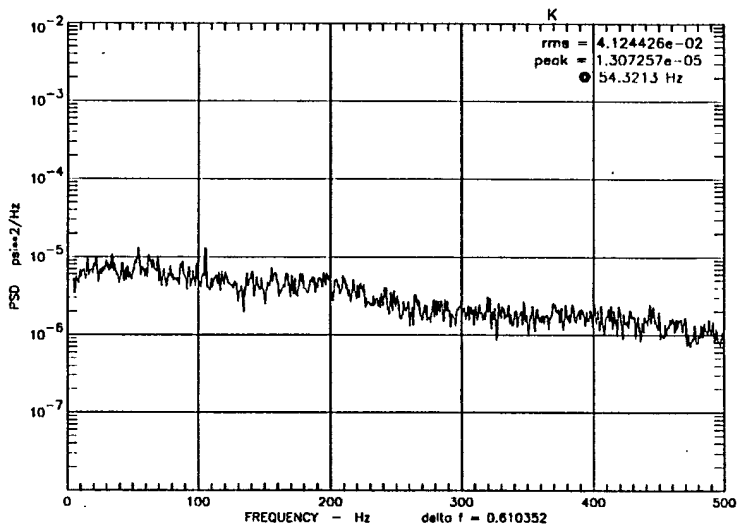

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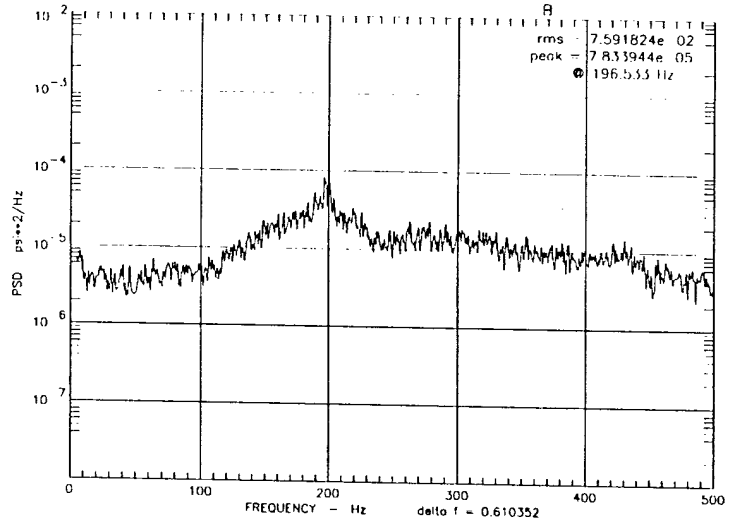

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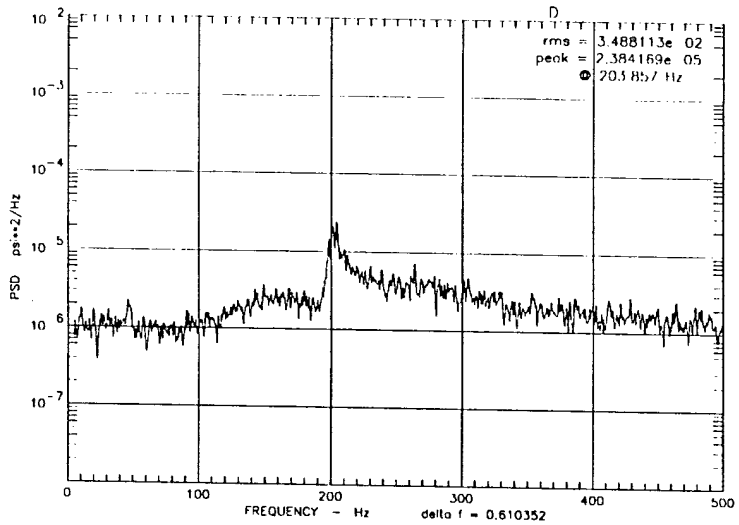

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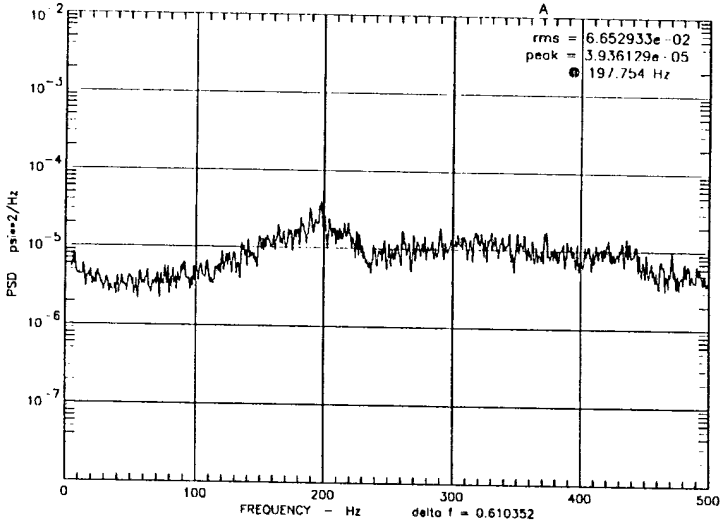

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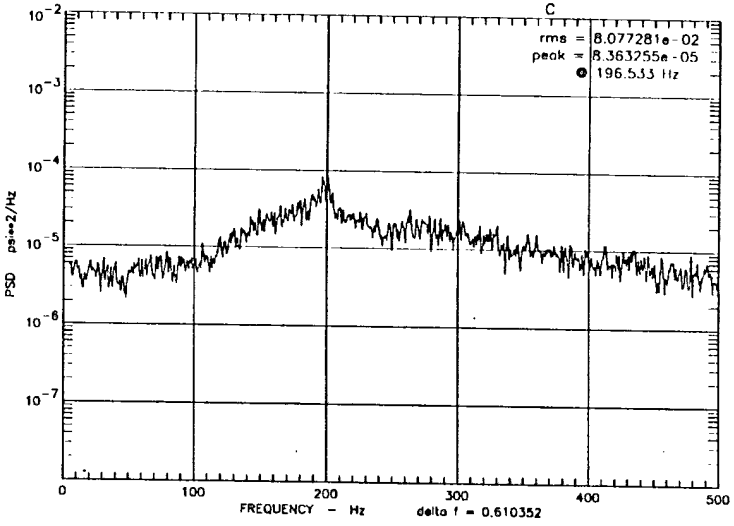
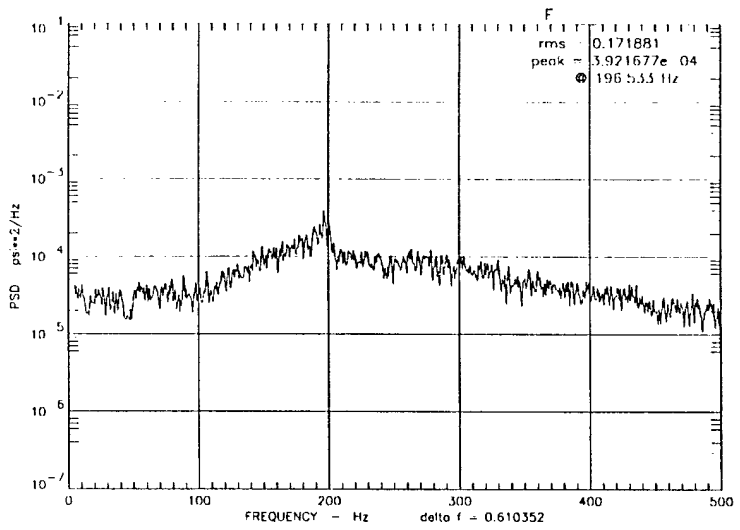
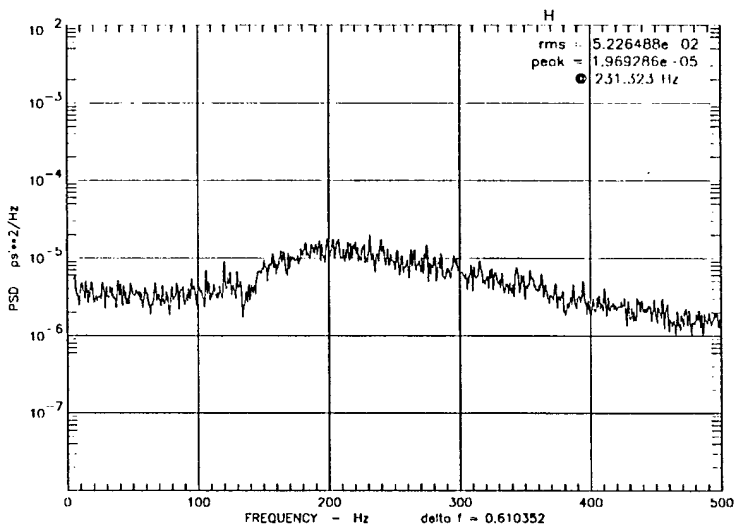
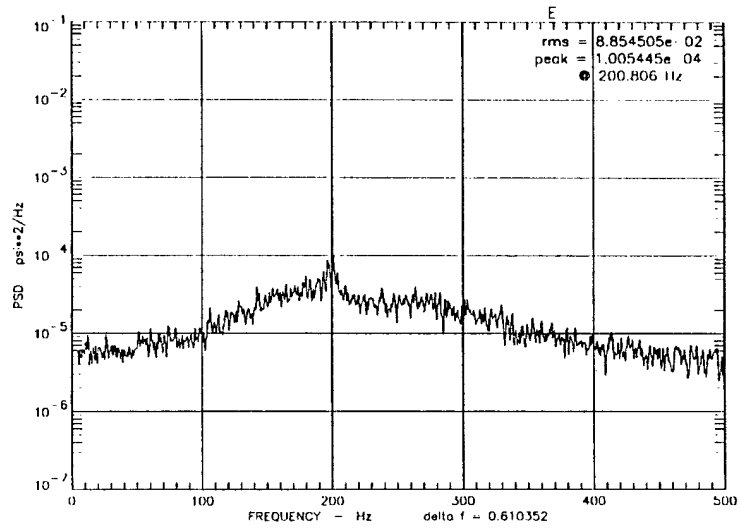
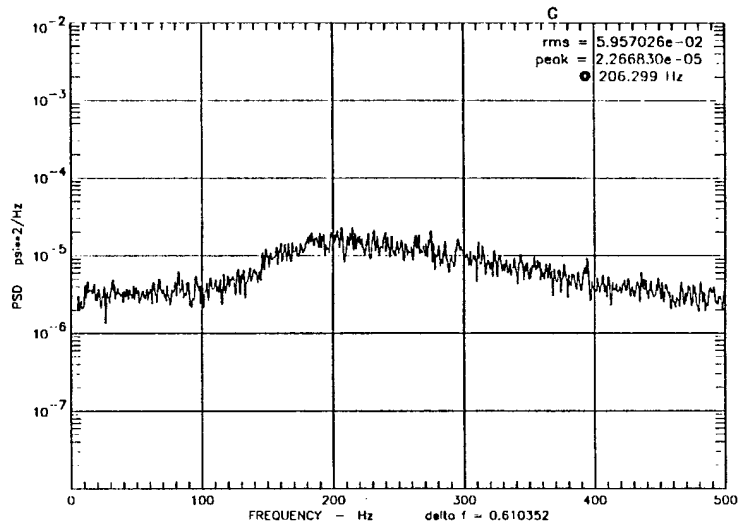


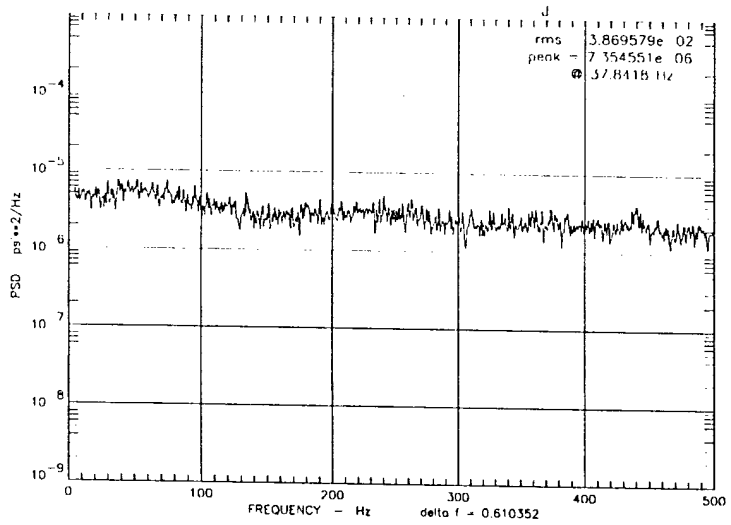

F 15 TPN 3098: q=56 alpha=24 beta= 4 bp@n&w
F
rms = 0.171881
peak = 3.921677e 04
@ 196.533 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN 3098: q=56 alpha=24 beta=-4 bp@n&w
H
rms = 5.226488e 02
peak = 1.969286e-05
@ 231.323 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN 3098: q=56 alpha=24 beta=-4 bp@n&w
E
rms = 8.854505e 02
peak = 1.005445e 04
@ 200.806 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN 3098: q=56 alpha=24 beta=-4 bp@n&w
G
rms = 5.957026e-02
peak = 2.266830e-05
@ 206.299 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

F 15 TPN 3098: q=56 alpha=24 beta=-4 bp@n&w



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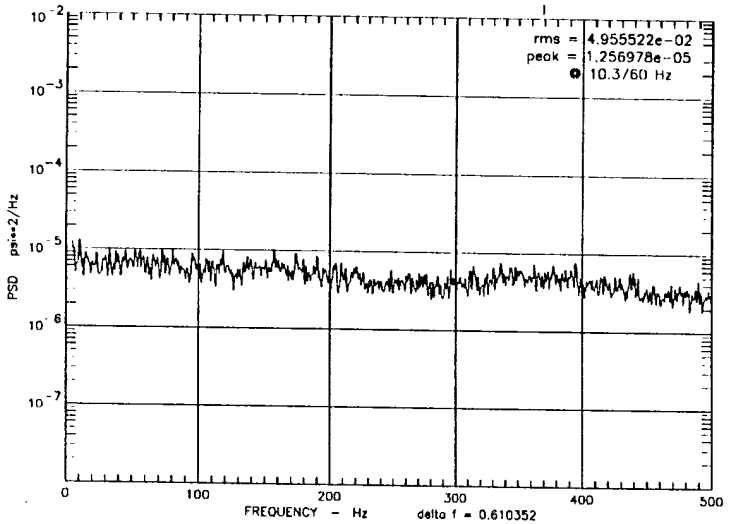

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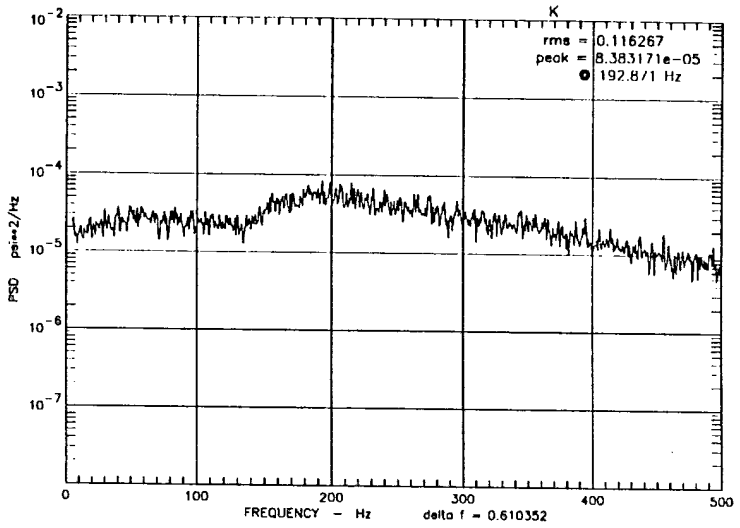
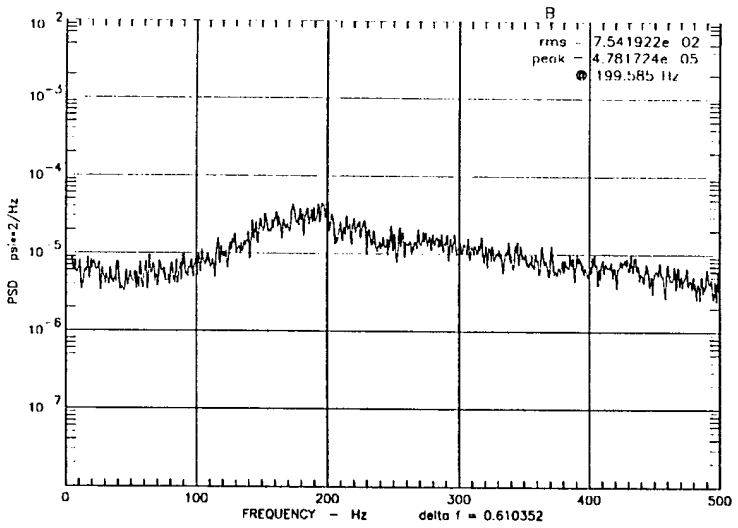
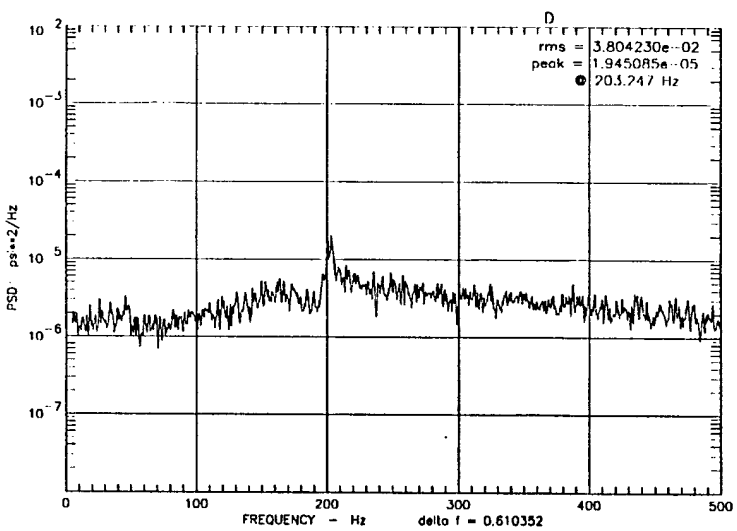


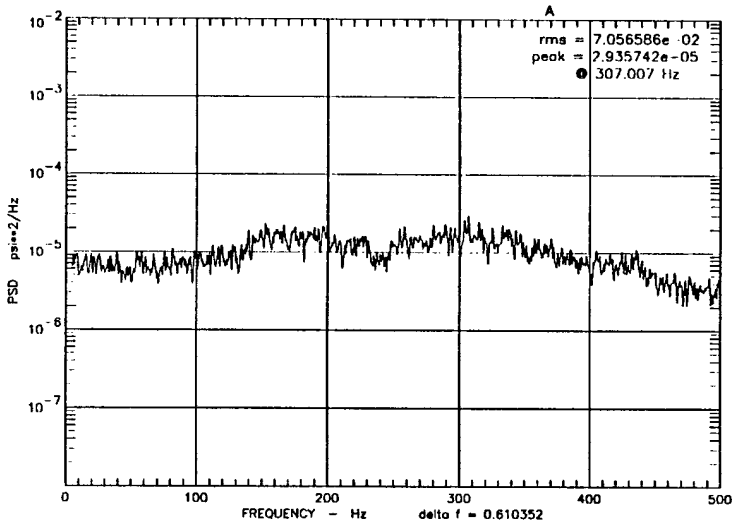
F 15 TPN 3099: q=56 alpha=26 beta=-4 bp@n&w



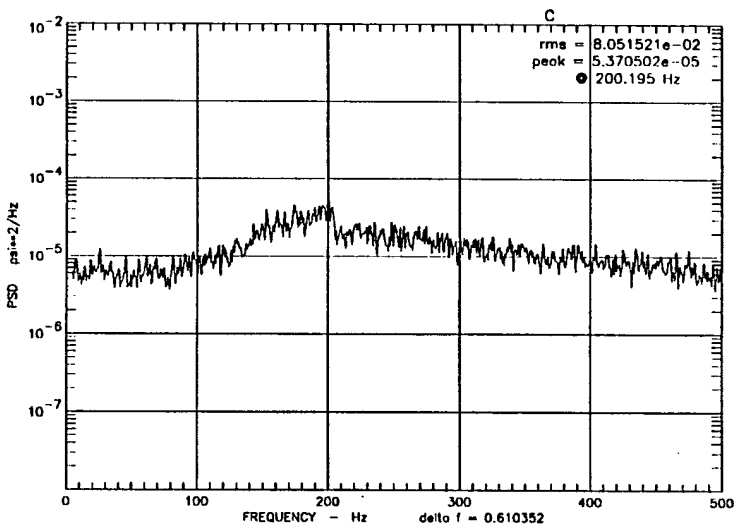
F-15 TPN_3099: q=56 alpha=26 beta=-4 bp@n&w

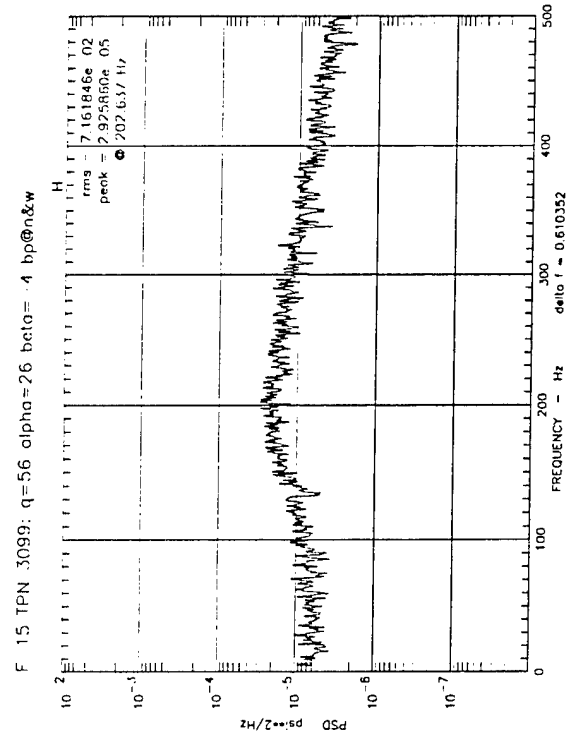


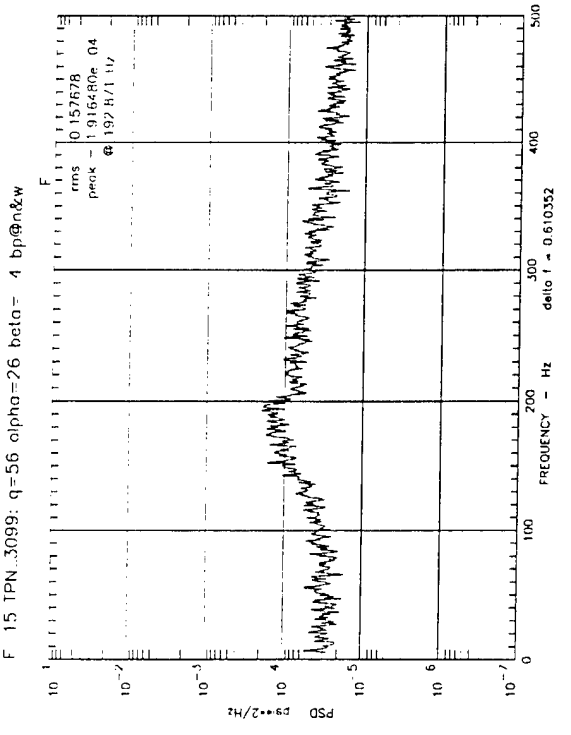
F-15 TPN_3099: q=56 alpha=26 beta=-4 bp@n&w

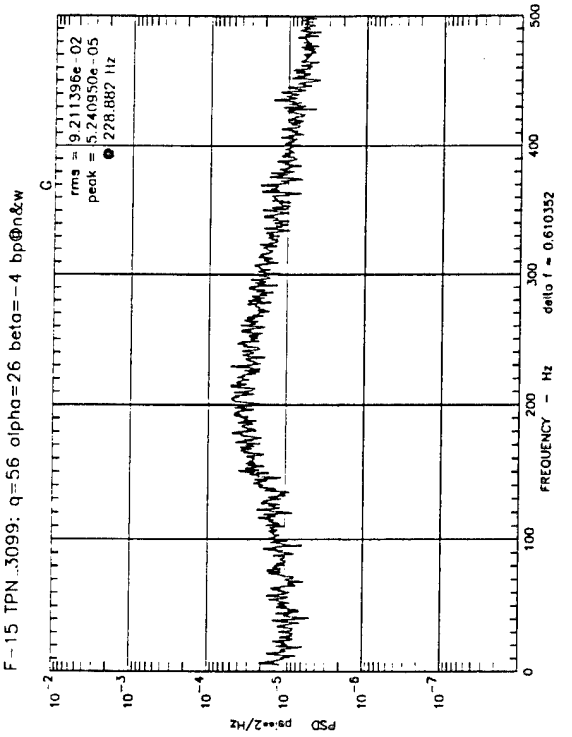


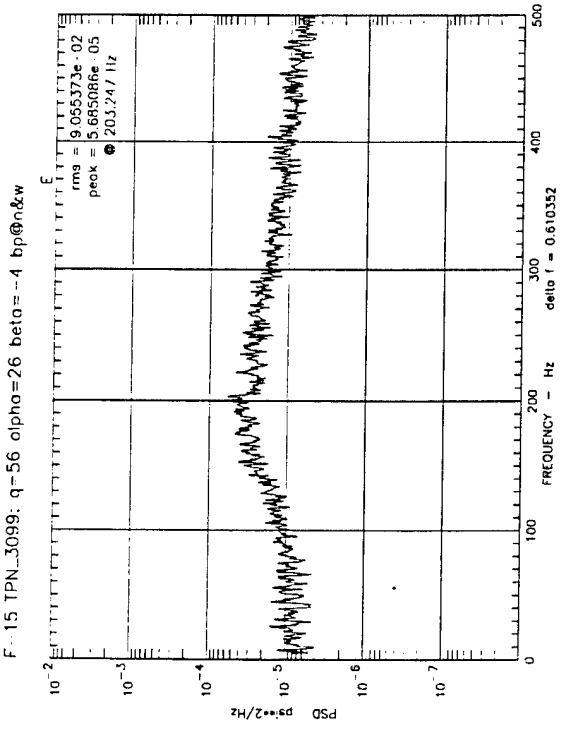
F-15 TPN_3099: q=56 alpha=26 beta=-4 bp@n&w



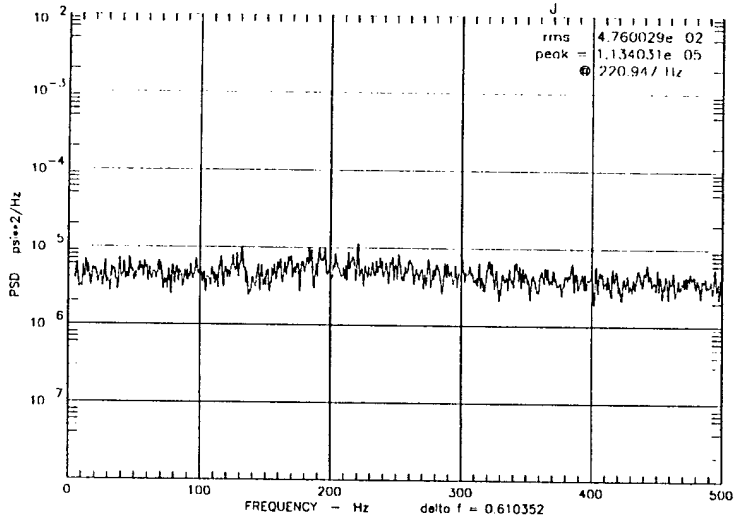

F 15 TPN 3099: q=56 alpha=26 beta= -4 bp@n&w
H
rms = 7.161846e-02
peak = 2.925850e-05
@ 202.637 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F 15 TPN_3099: q=56 alpha=26 beta= 4 bp@n&w
F
rms 0.157678
peak = 1.916480e-04
@ 192.871 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

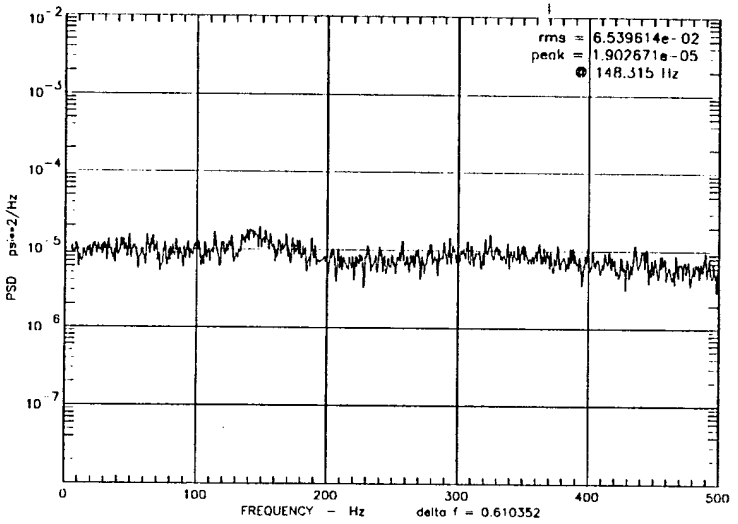

F-15 TPN_3099: q=56 alpha=26 beta=-4 bp@n&w
G
rms = 9.211396e-02
peak = 5.240950e-05
@ 228.882 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3099: q=56 alpha=26 beta=-4 bp@n&w
E
rms = 9.055373e-02
peak = 5.685086e-05
@ 203.247 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

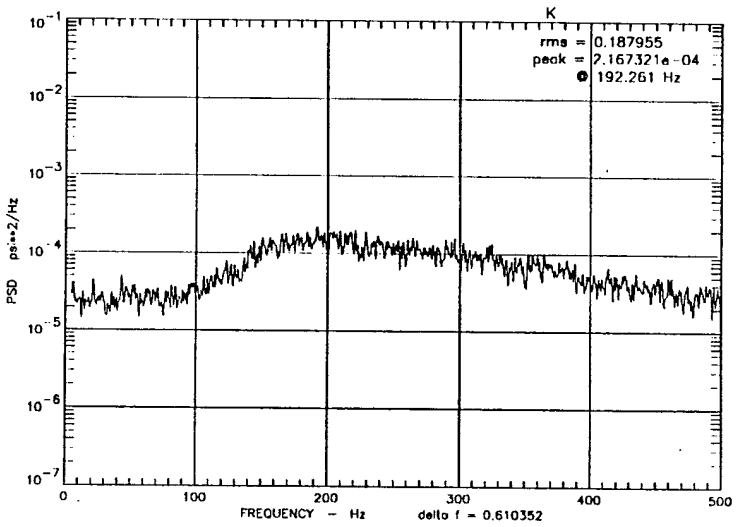
F 15 TPN 3099: q=56 alpha=26 beta= 4 bp@n&w



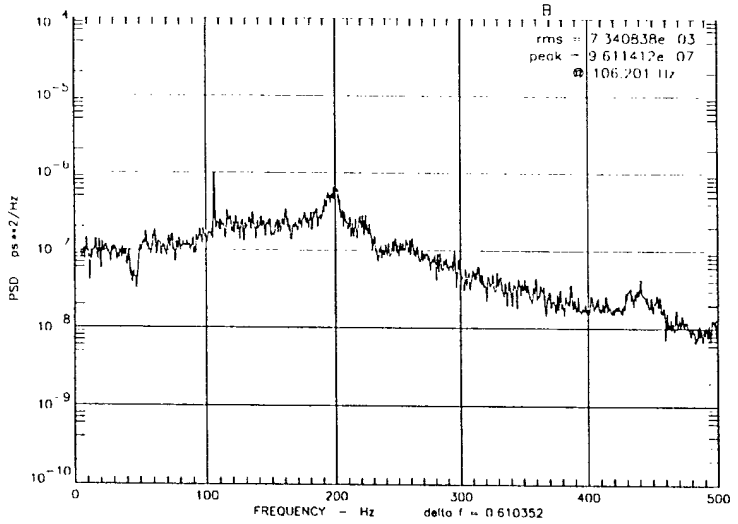
F-15 TPN_3099: q=56 alpha=26 beta=-4 bp@n&w



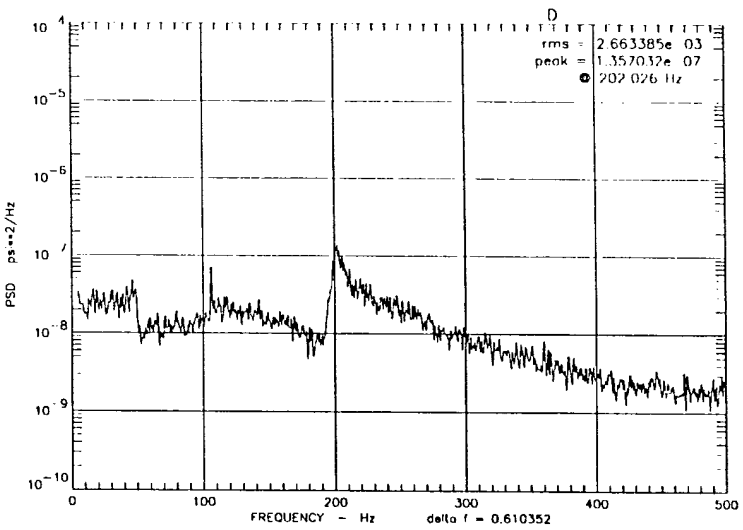
F-15 TPN_3099: q=56 alpha=26 beta=-4 bp@n&w



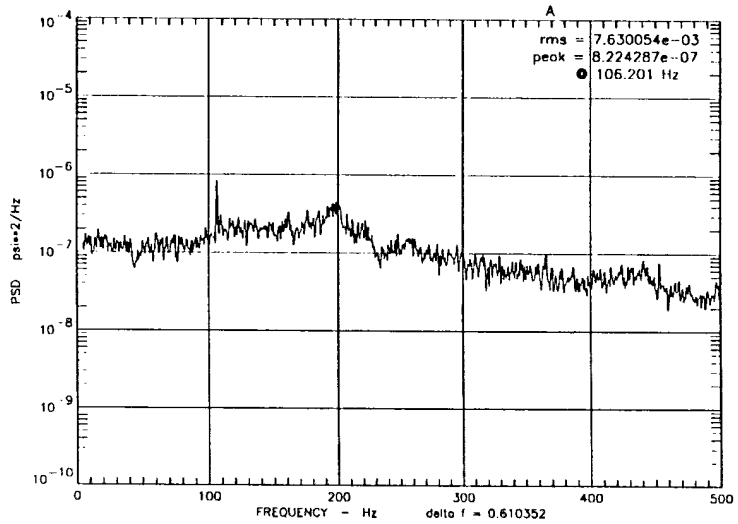
F 15 TPN 3100: q=56 alpha=16 beta=0 bp@n&w



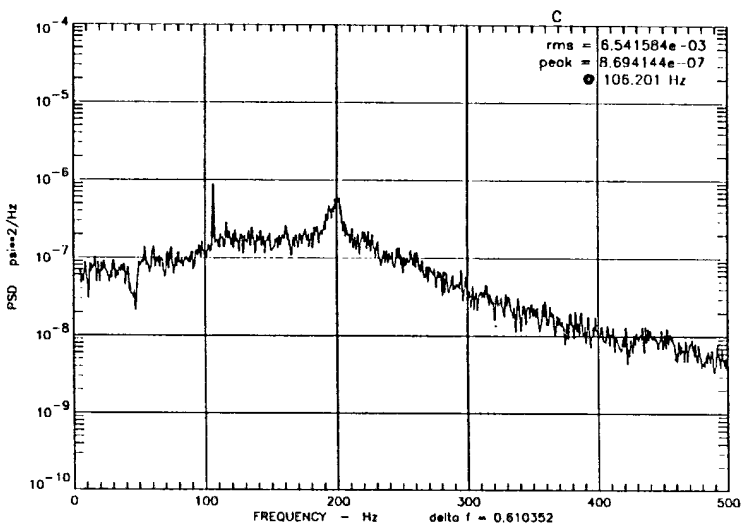
F-15 TPN 3100: q=56 alpha=16 beta=0 bp@n&w

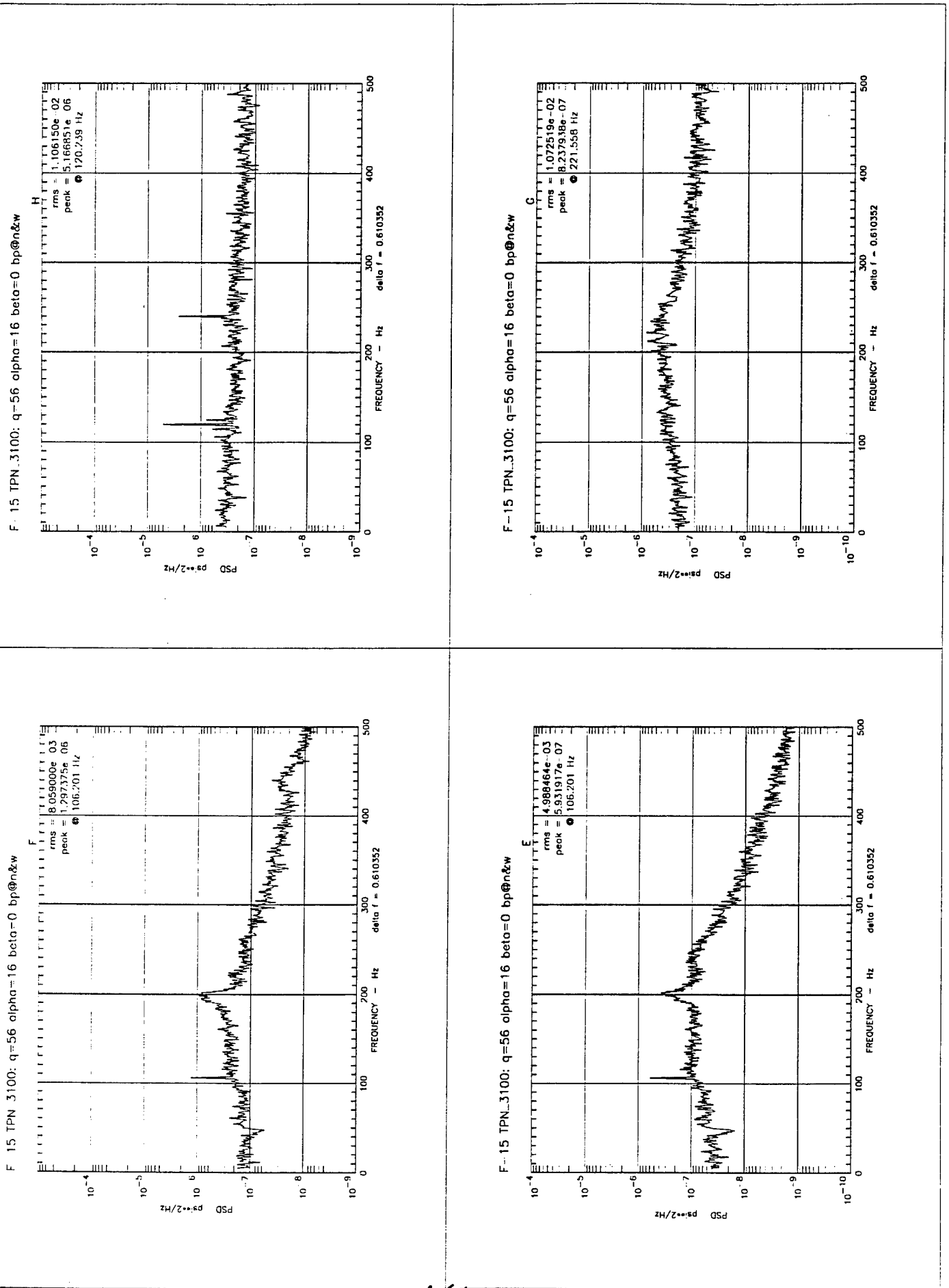


F-15 TPN_3100: q=56 alpha=16 beta=0 bp@n&w

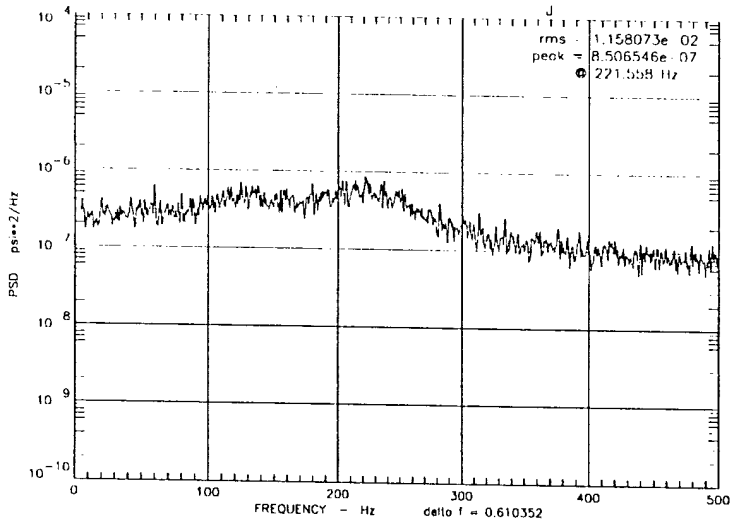


F-15 TPN_3100: q=56 alpha=16 beta=0 bp@n&w

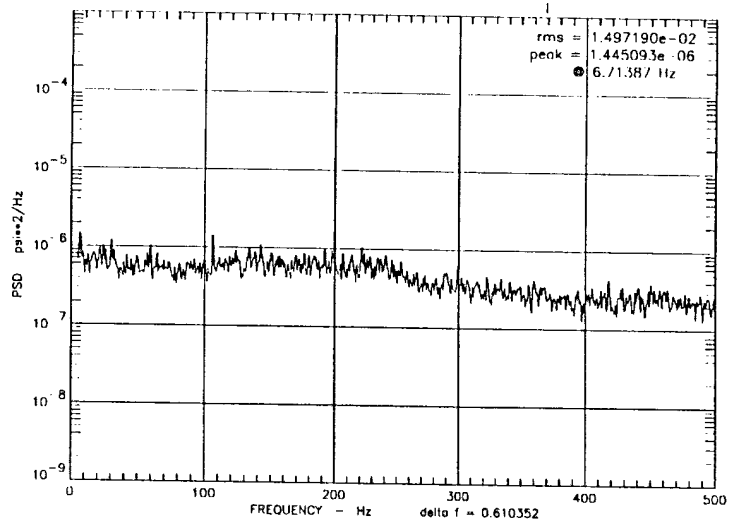



F 15 TPN_3100: q=56 alpha=16 beta=0 bp@n&w
H
rms = 1.106150e-02
peak = 5.166851e-06
@ 120.739 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3100: q=56 alpha=16 beta=0 bp@n&w
G
rms = 1.072519e-02
peak = 8.237938e-07
@ 221.558 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN 3100: q=56 alpha=16 beta=0 bp@n&w
F
rms = 8.059000e-03
peak = 1.297375e-06
@ 106.201 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3100: q=56 alpha=16 beta=0 bp@n&w
E
rms = 4.988464e-03
peak = 5.931917e-07
@ 106.201 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

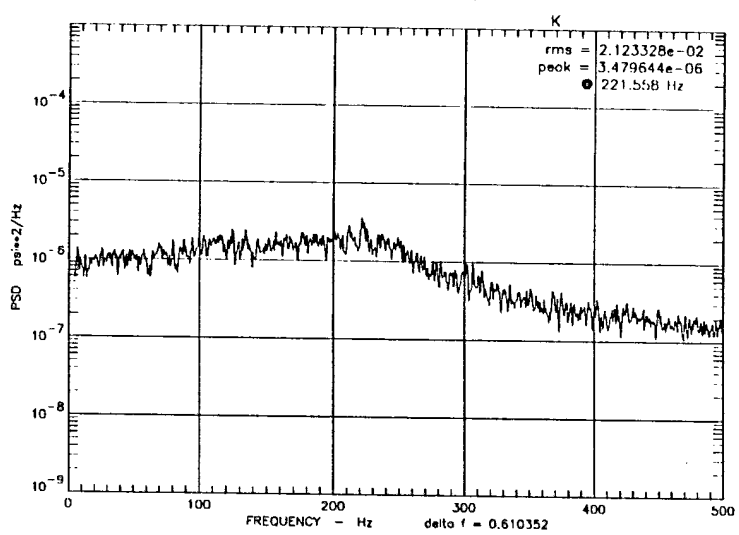
F 15 TPN 3100: q=56 alpha=16 beta=0 bp@n&w



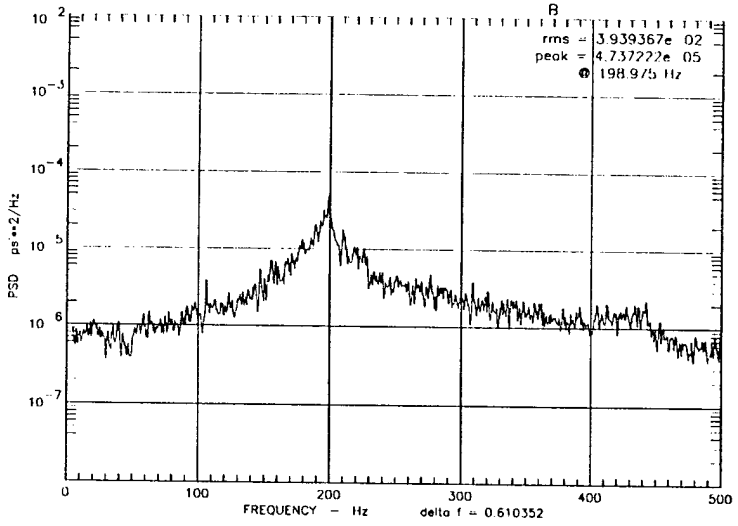
F 15 TPN 3100: q=56 alpha=16 beta=0 bp@n&w



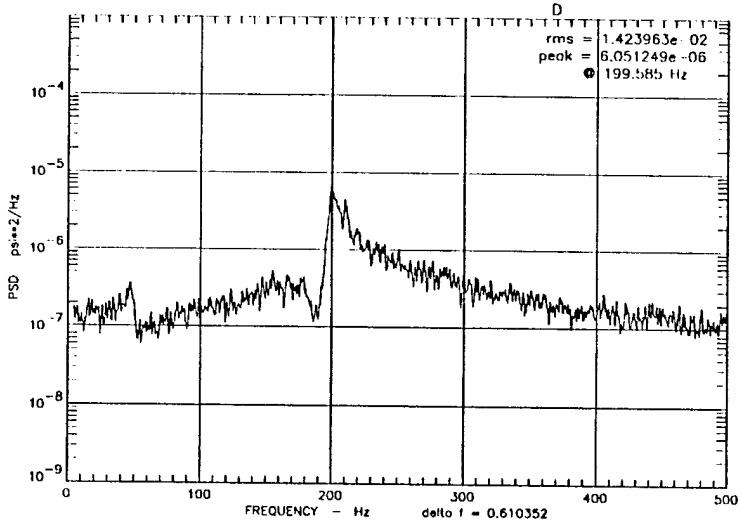
F-15 TPN 3100: q=56 alpha=16 beta=0 bp@n&w



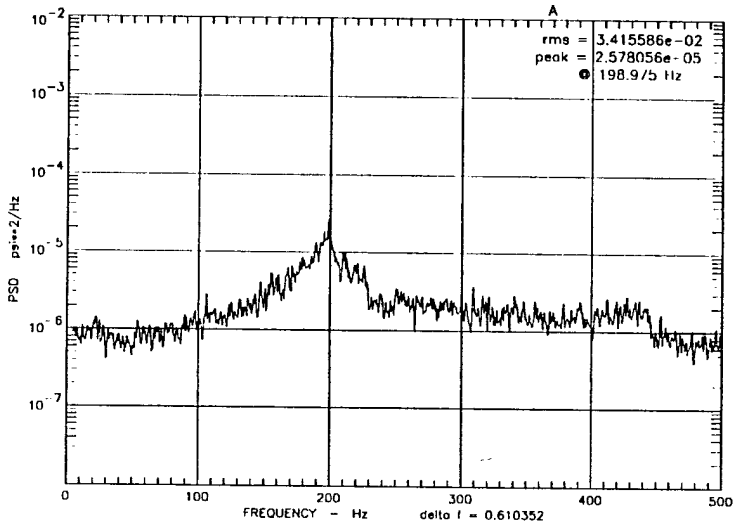
F-15 TPN_3102: q=56 alpha=20 beta=0 bp@n&w



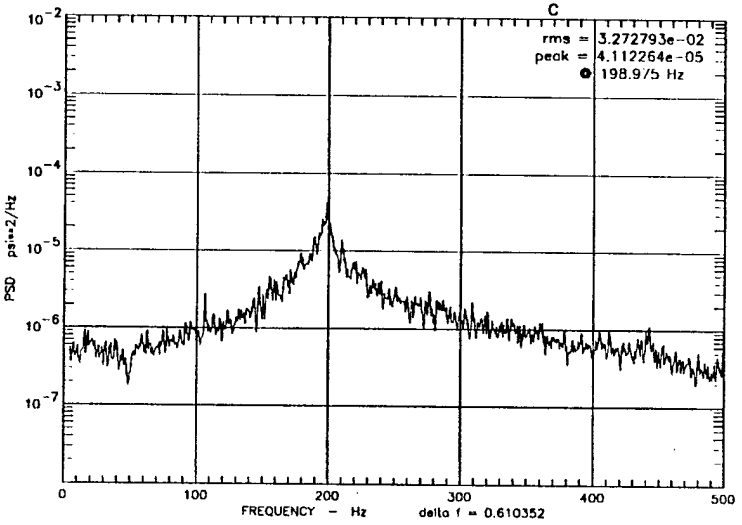
F-15 TPN_3102: q=56 alpha=20 beta=0 bp@n&w

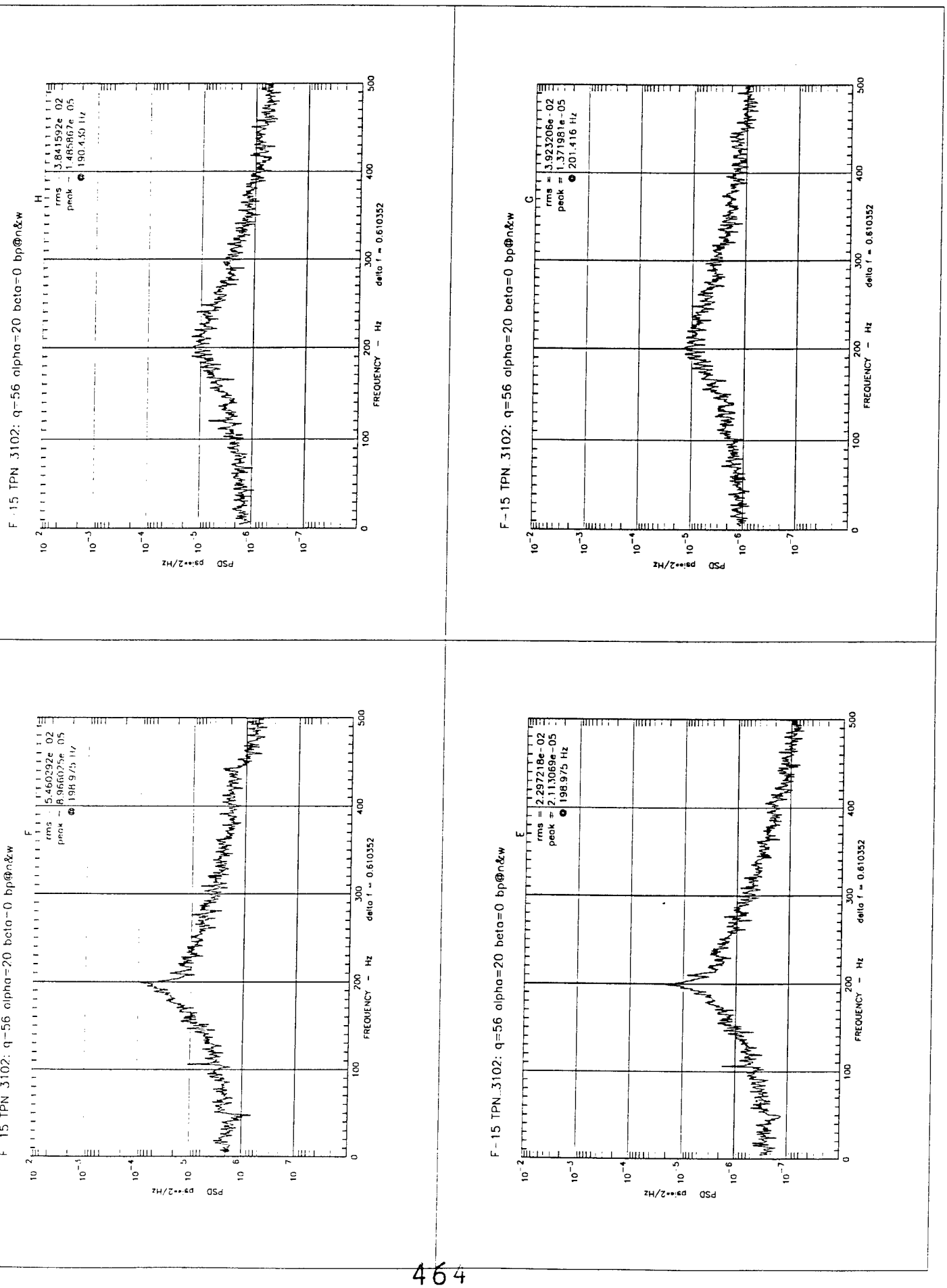


F-15 TPN_3102: q=56 alpha=20 beta=0 bp@n&w

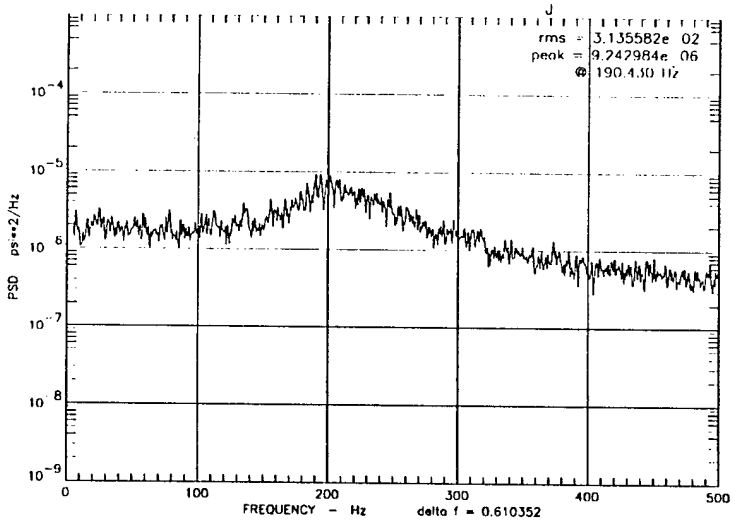


F-15 TPN_3102: q=56 alpha=20 beta=0 bp@n&w

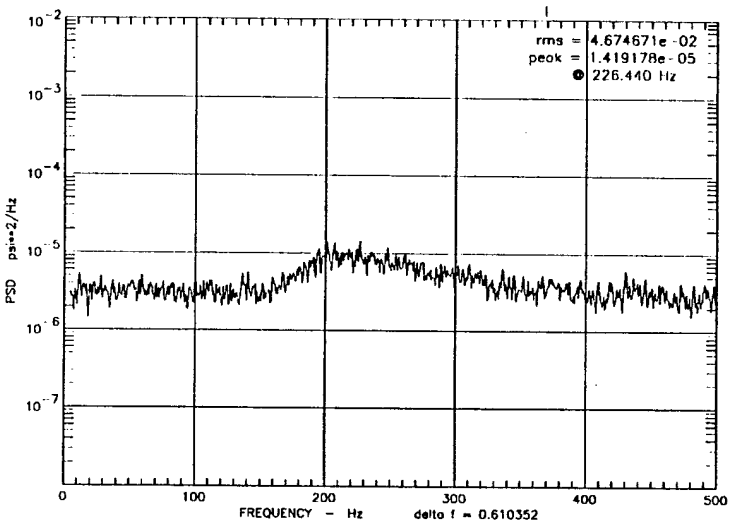



F-15 TPN 3102: q=56 alpha=20 beta=0 bp@n&w
H
rms = 3.841592e-02
peak = 1.485867e-05
@ 190.430 Hz
F-15 TPN 3102: q=56 alpha=20 beta=0 bp@n&w
G
rms = 3.923206e-02
peak = 1.371981e-05
@ 201.416 Hz
F 15 TPN 3102: q-56 alpha=20 beta=0 bp@n&w
F
rms = 5.460292e-02
peak = 8.966075e-05
@ 198.975 Hz
F-15 TPN 3102: q=56 alpha=20 beta=0 bp@n&w
E
rms = 2.297218e-02
peak = 2.113069e-05
@ 198.975 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

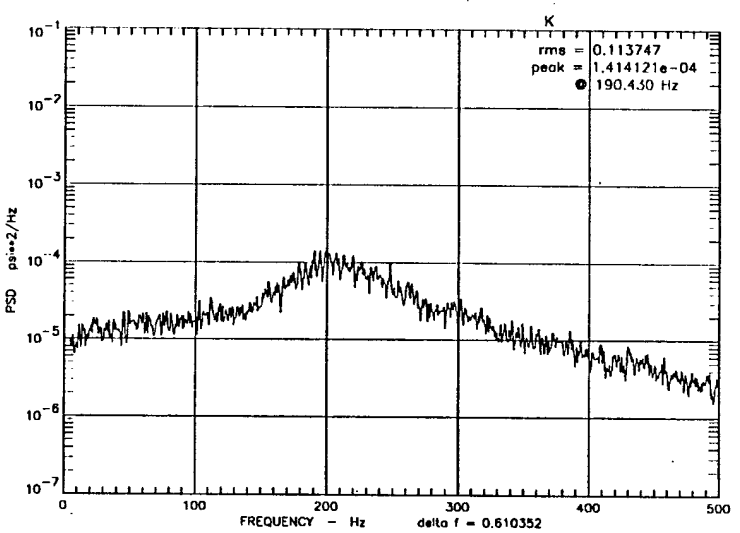
F 15 TPN 3102: q=56 alpha=20 beta=0 bp@n&w



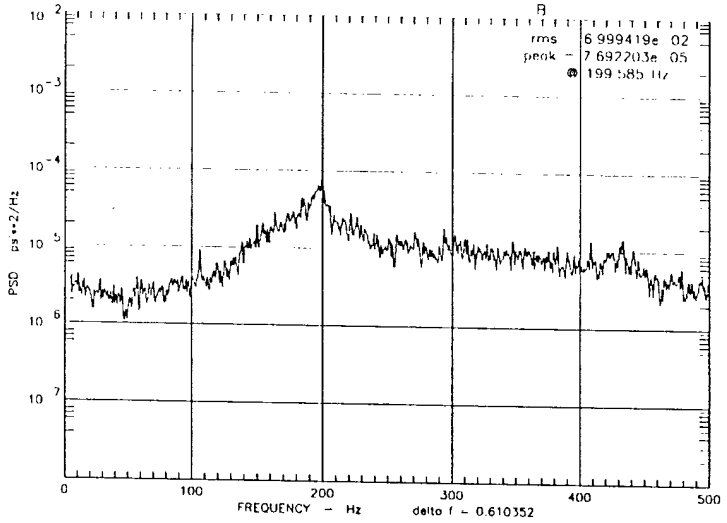
F-15 TPN_3102: q=56 alpha=20 beta=0 bp@n&w



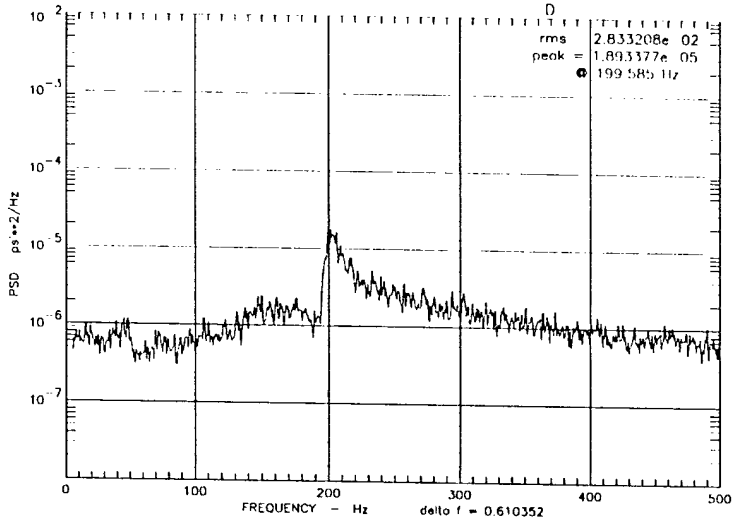
F-15 TPN_3102: q=56 alpha=20 beta=0 bp@n&w



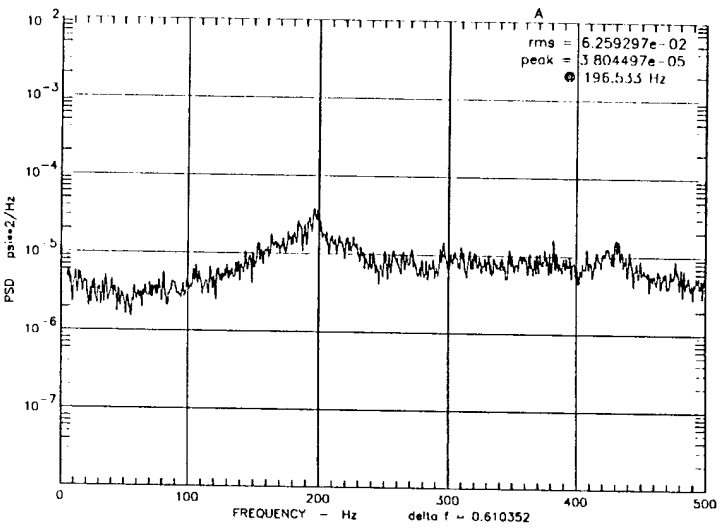
F 15 TPN 3104: q=56 alpha=24 beta=0 bp@n&w



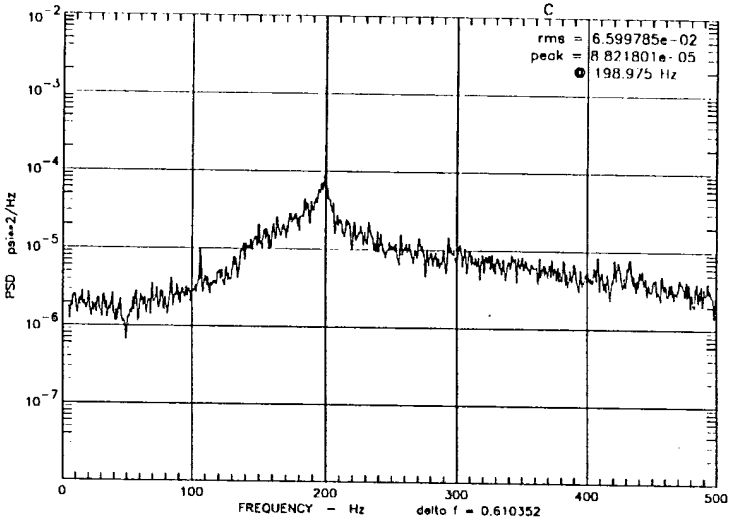
F 15 TPN_3104: q=56 alpha=24 beta=0 bp@n&w



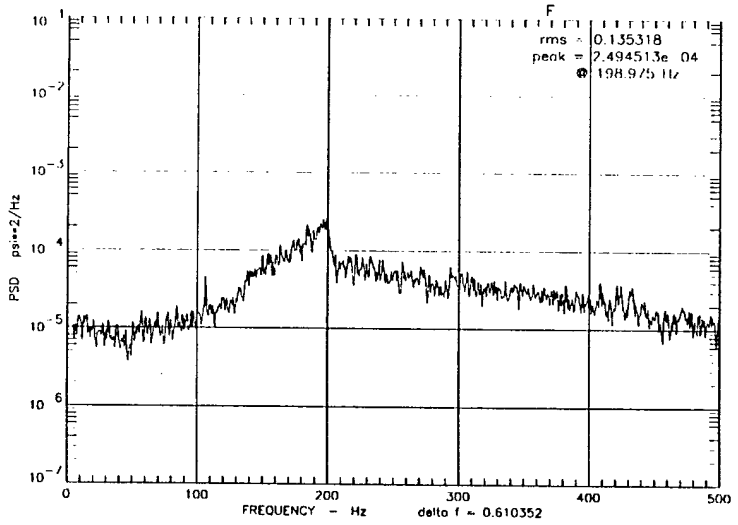
F 15 TPN 3104: q=56 alpha=24 beta=0 bp@n&w



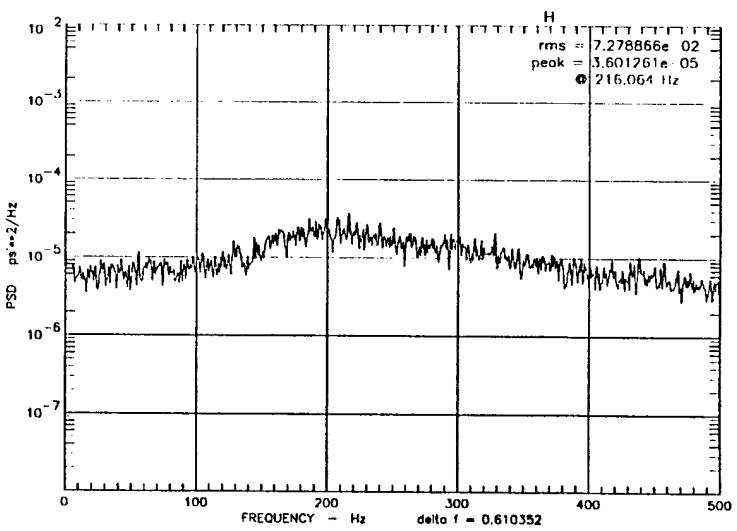
F-15 TPN_3104: q=56 alpha=24 beta=0 bp@n&w



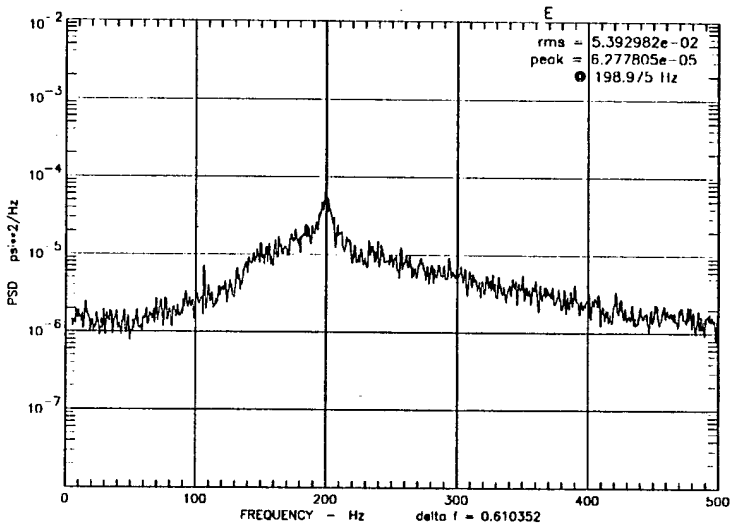
F 15 TPN_3104: q=56 alpha=24 beta=0 bp@n&w



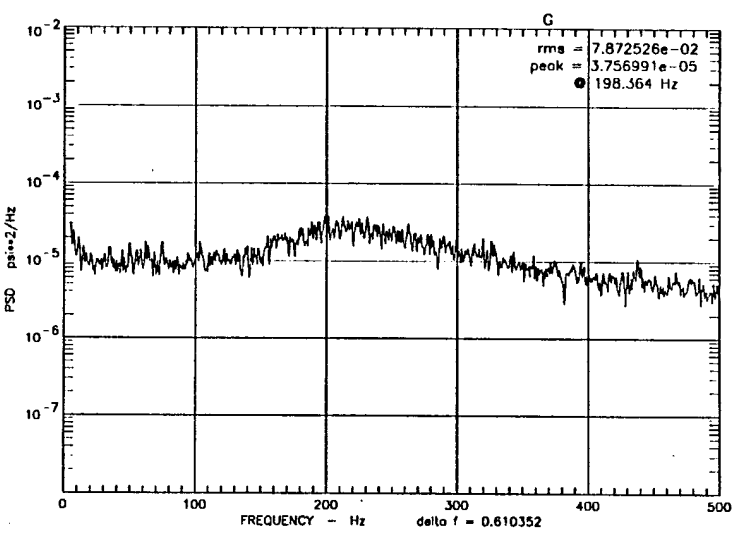
F-15 TPN_3104: q=56 alpha=24 beta=0 bp@n&w



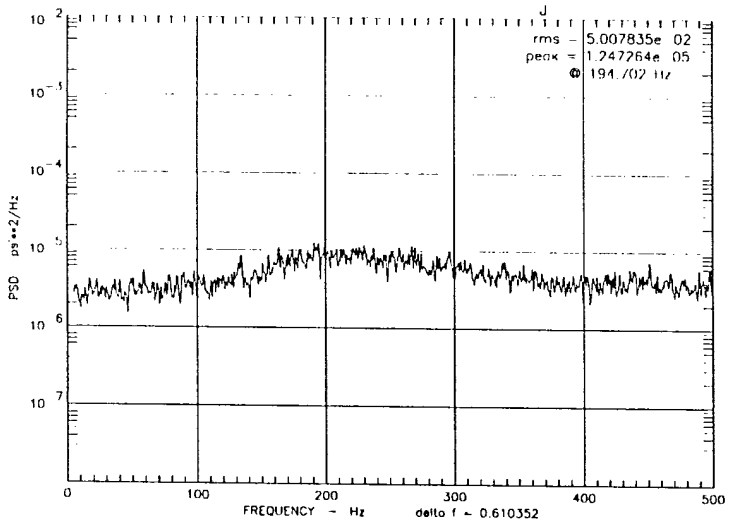
F-15 TPN_3104: q=56 alpha=24 beta=0 bp@n&w



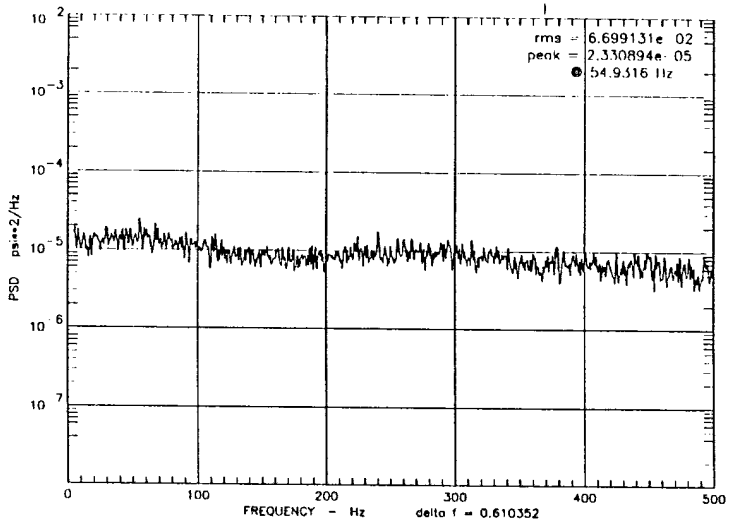
F-15 TPN_3104: q=56 alpha=24 beta=0 bp@n&w



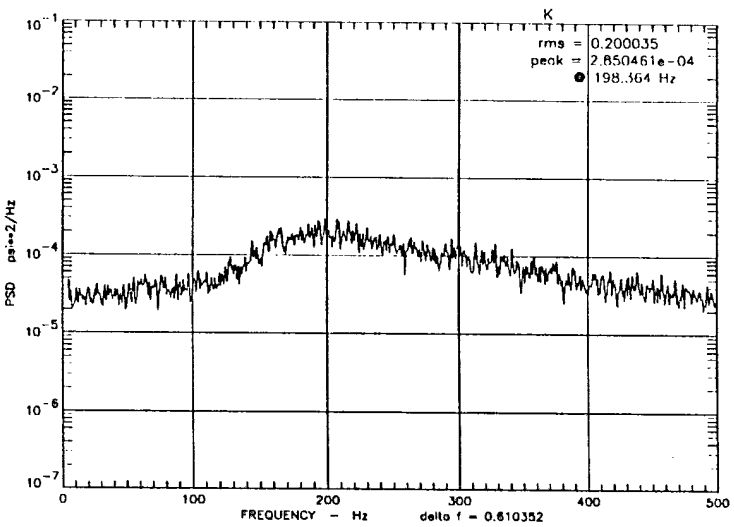
F 15 TPN 3104: q=56 alpha=24 beta=0 bp@n&w

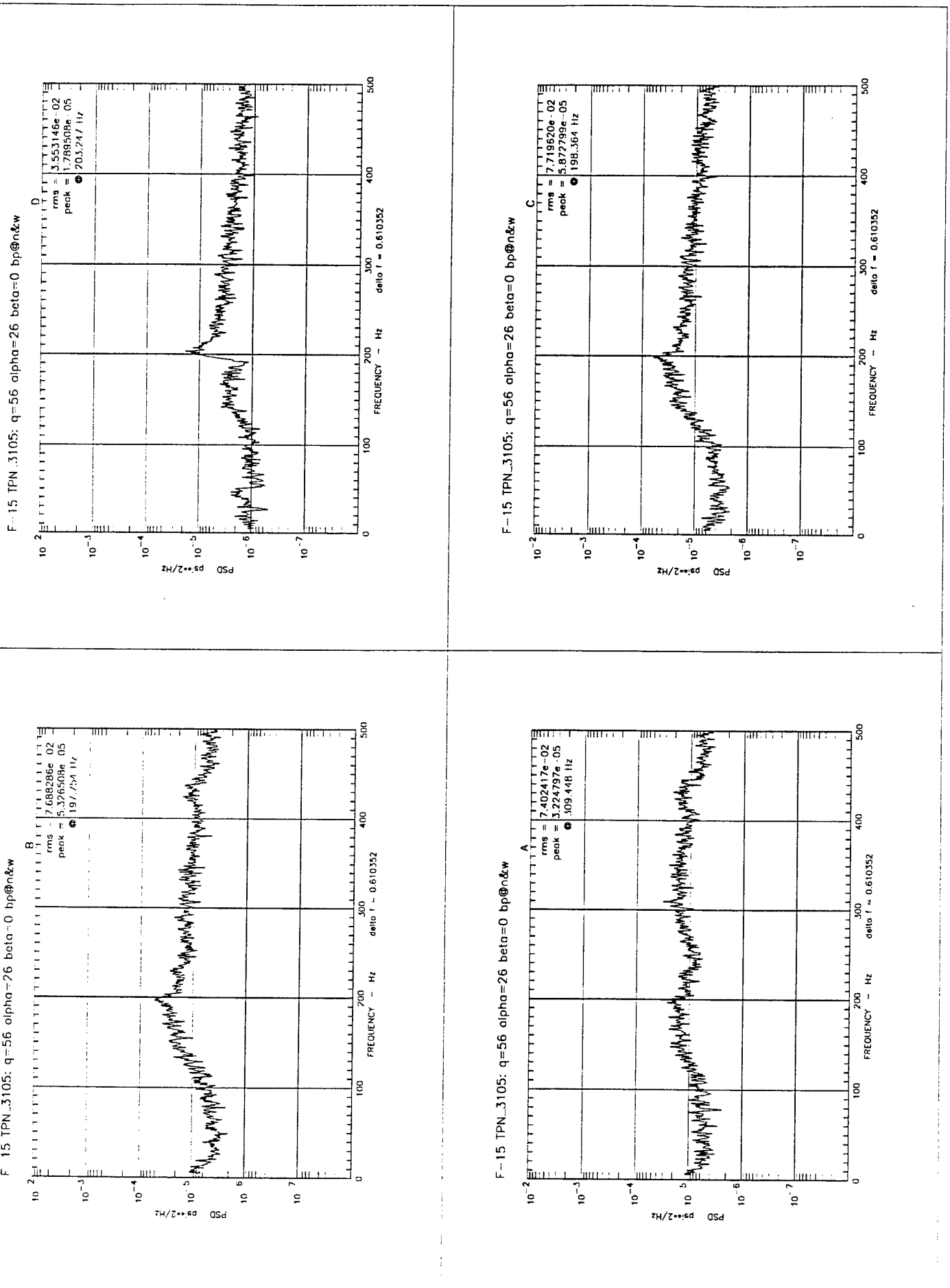


F 15 TPN 3104: q=56 alpha=24 beta=0 bp@n&w

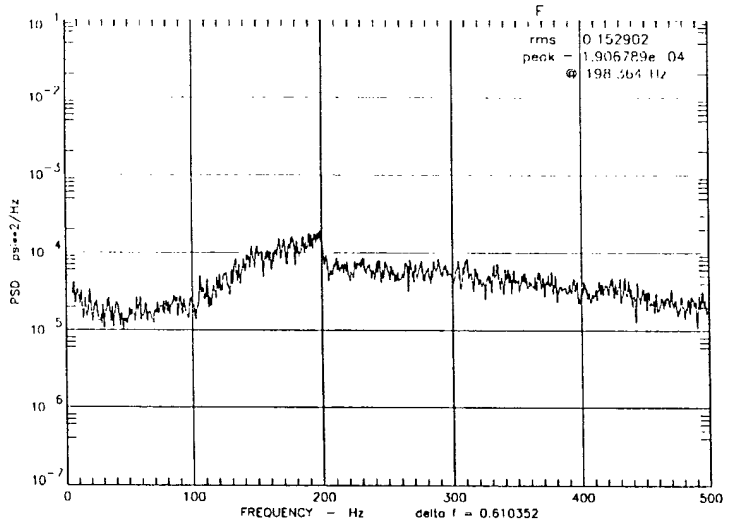


F-15 TPN 3104: q=56 alpha=24 beta=0 bp@n&w

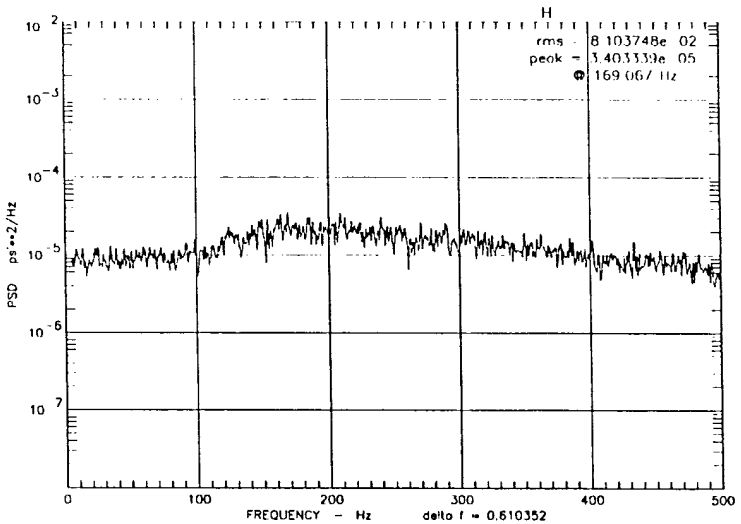



F-15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w
D
rms = 3.553146e-02
peak = 1.789508e-05
@ 203.247 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w
C
rms = 7.719620e-02
peak = 5.872799e-05
@ 198.364 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w
B
rms = 7.688286e-02
peak = 5.326508e-05
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w
A
rms = 7.402417e-02
peak = 3.224797e-05
@ 309.448 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

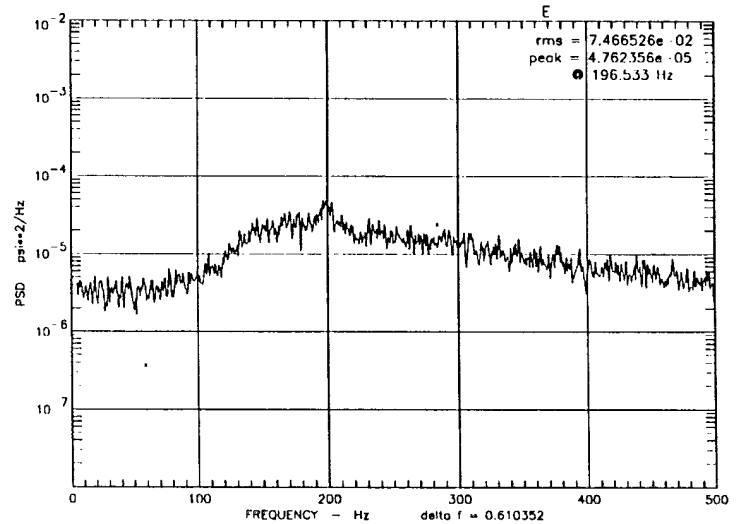
F 15 TPN 3105: q=56 alpha=26 beta=0 bp@n&w



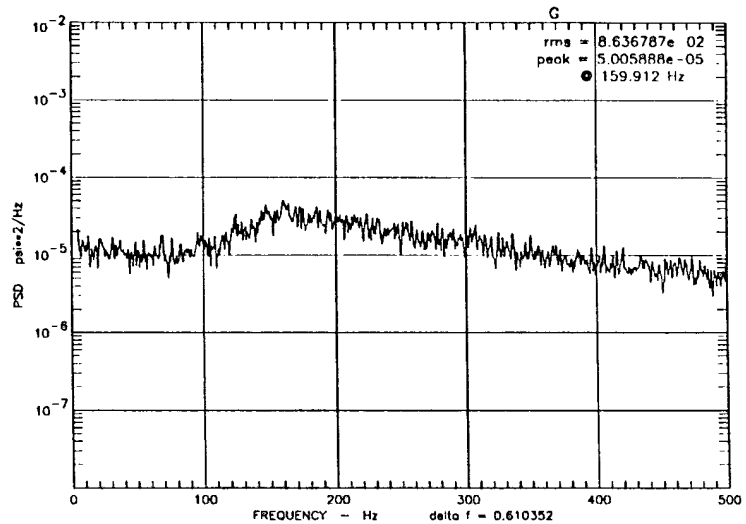
F-15 TPN 3105: q=56 alpha=26 beta=0 bp@n&w

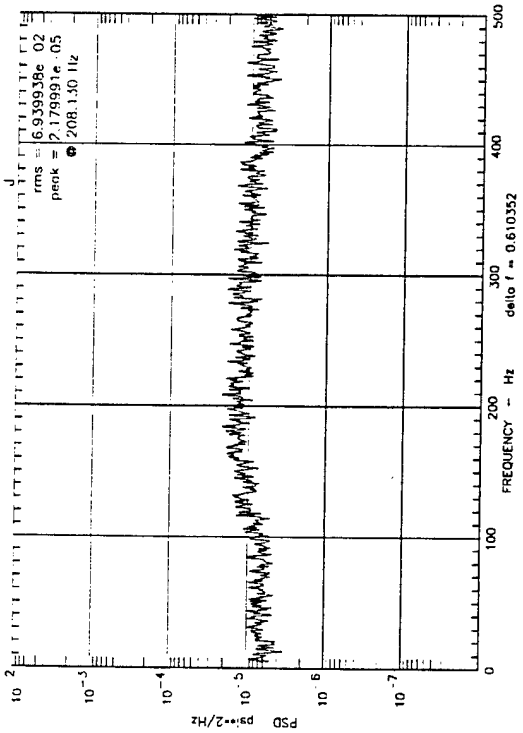


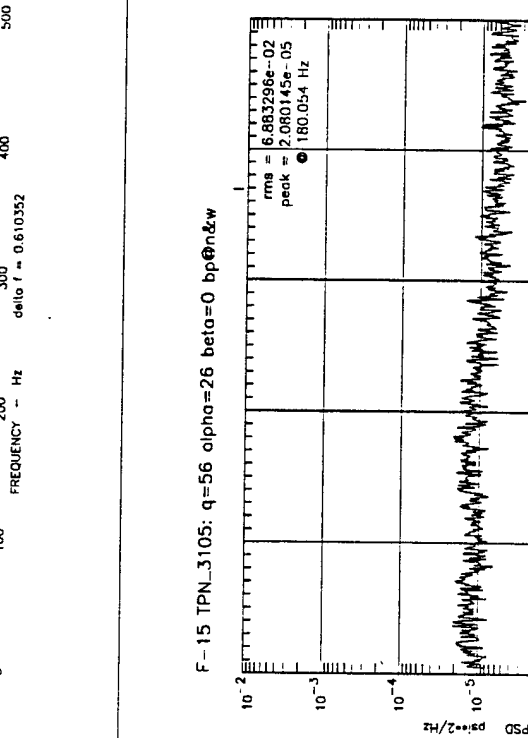
F-15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w

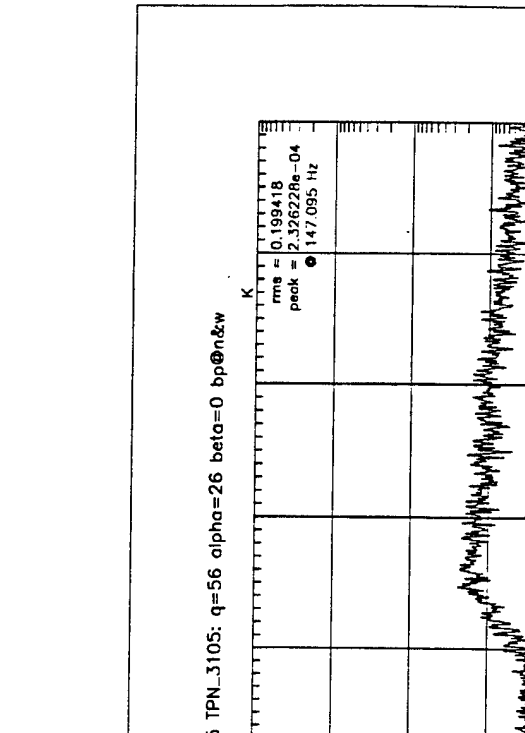


F-15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w

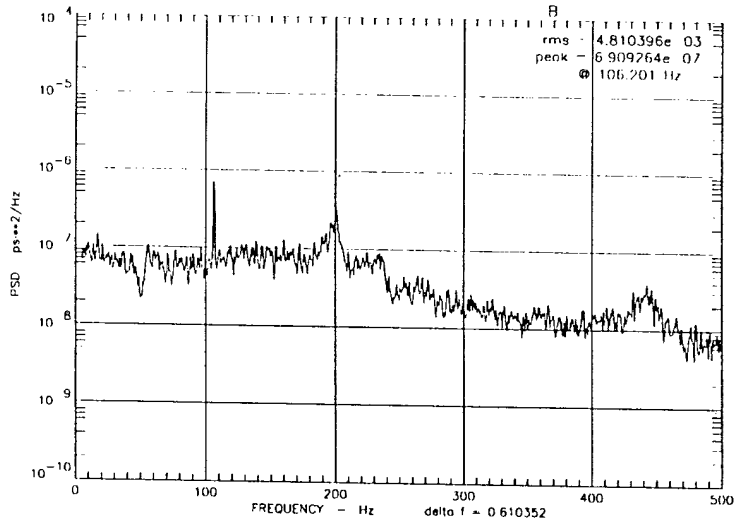



F-15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w
J
rms = 6.939938e-02
peak = 2.179991e-05
@ 208.130 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352

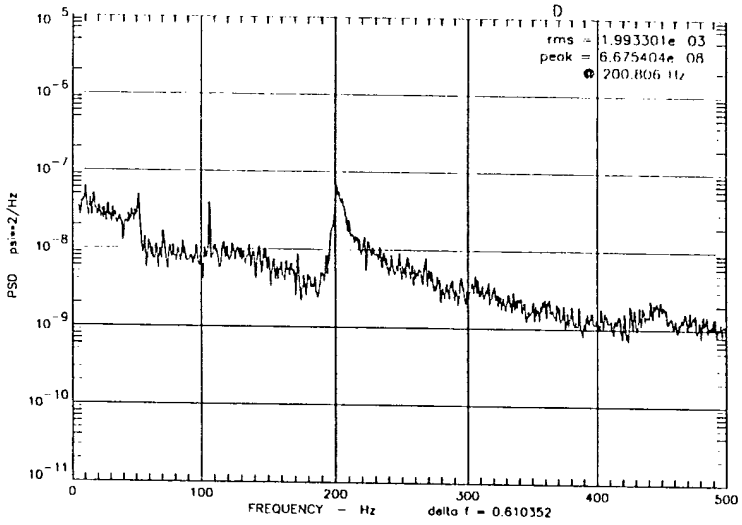

F-15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w
I
rms = 6.883296e-02
peak = 2.080145e-05
@ 180.054 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3105: q=56 alpha=26 beta=0 bp@n&w
K
rms = 0.199418
peak = 2.326228e-04
@ 147.095 Hz
PSD g's**2/Hz
FREQUENCY - Hz
delta f = 0.610352

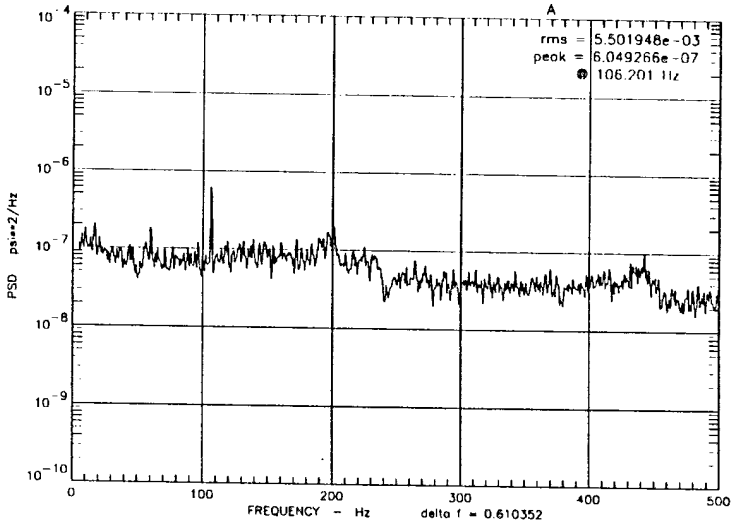
F 15 TPN 3106: q=56 alpha=16 beta=4 bp@n&w



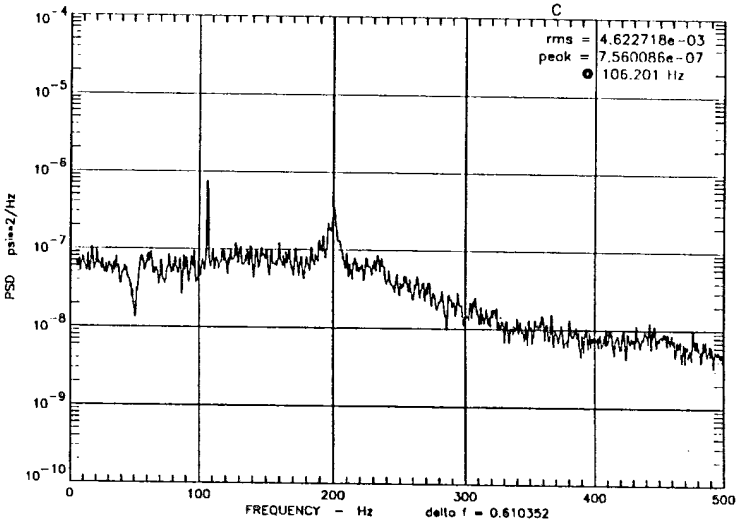
F 15 TPN 3106: q=56 alpha=16 beta=4 bp@n&w

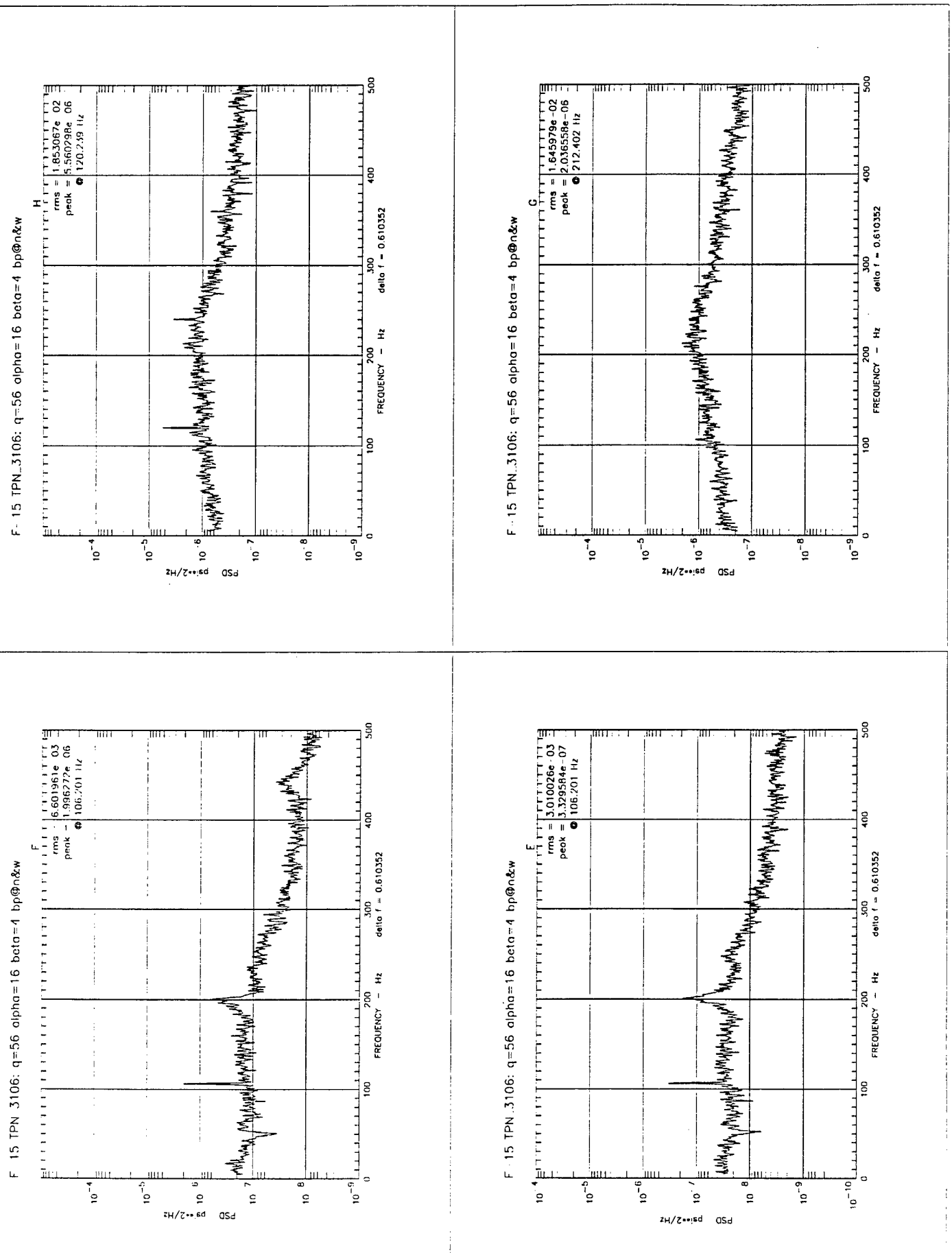


F 15 TPN 3106: q=56 alpha=16 beta=4 bp@n&w

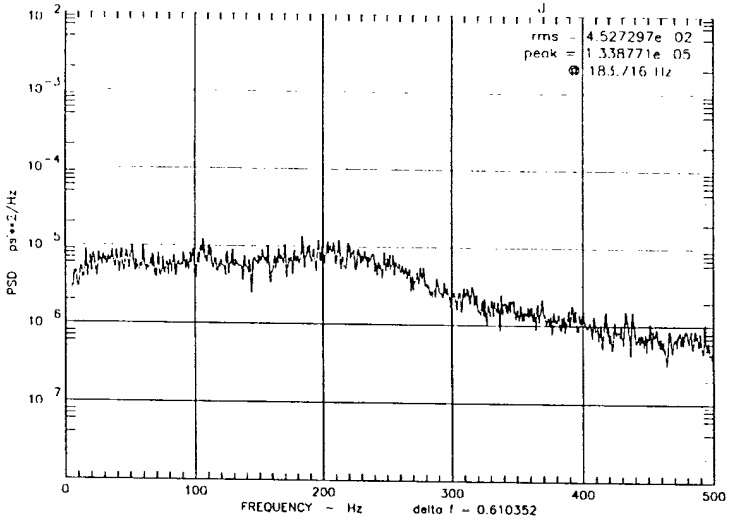


F 15 TPN 3106: q=56 alpha=16 beta=4 bp@n&w

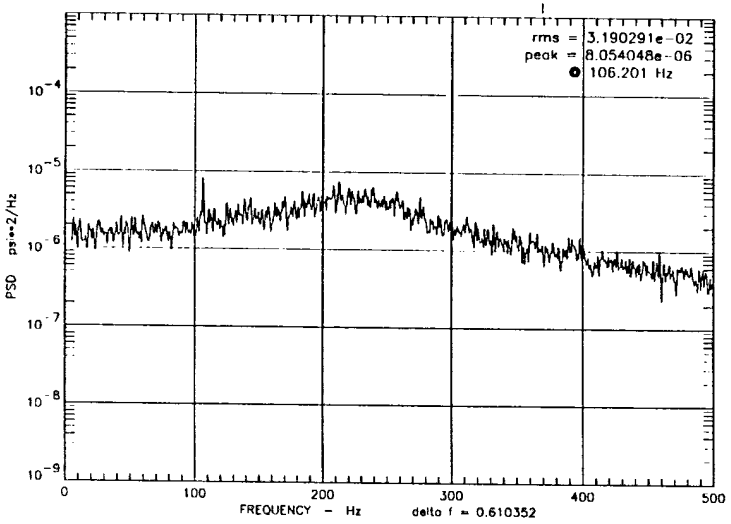



F 15 TPN_3106: q=56 alpha=16 beta=4 bp@n&w
H
rms = 1.853067e 02
peak = 5.560298e 06
@ 120.239 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3106: q=56 alpha=16 beta=4 bp@n&w
G
rms = 1.645979e-02
peak = 2.036558e-06
@ 212.402 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3106: q=56 alpha=16 beta=4 bp@n&w
F
rms = 6.601961e 03
peak = 1.996772e 06
@ 106.201 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3106: q=56 alpha=16 beta=4 bp@n&w
E
rms = 3.010026e-03
peak = 3.329584e-07
@ 106.201 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

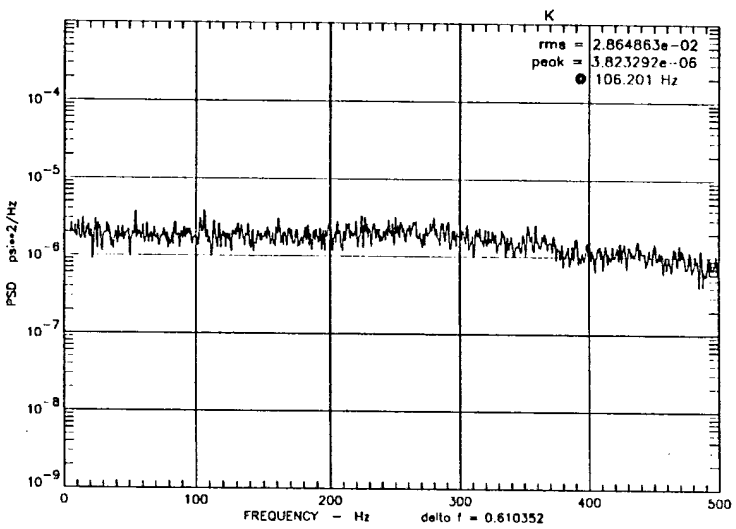
F 15 TPN 3106: q=56 alpha=16 beta=4 bp@n&w

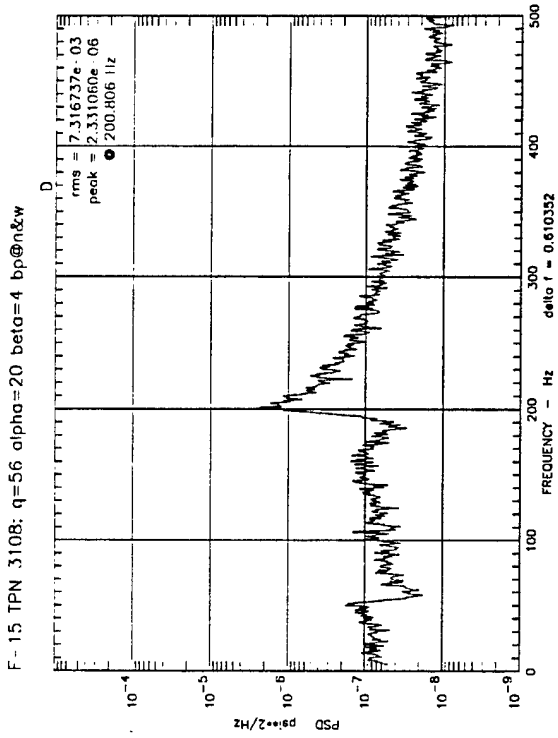


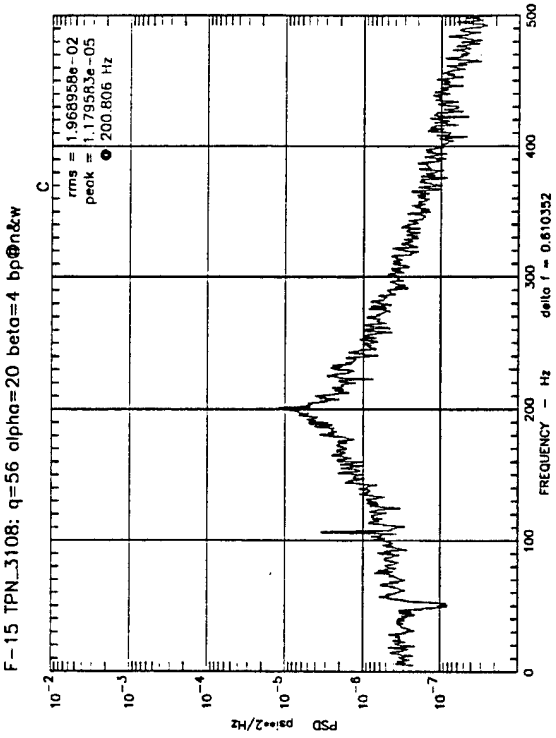
F-15 TPN_3106: q=56 alpha=16 beta=4 bp@n&w

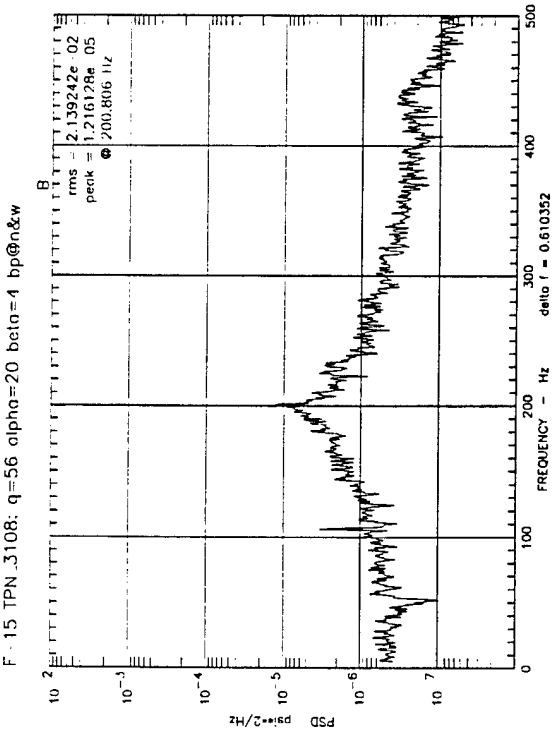


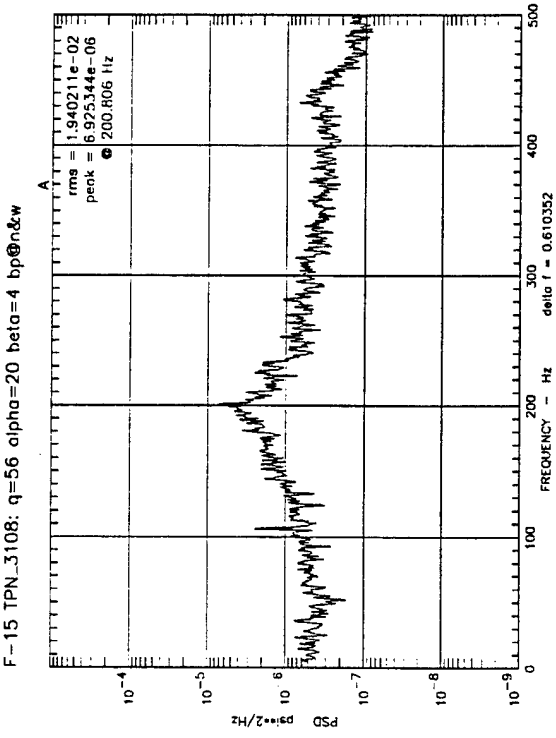
F-15 TPN_3106: q=56 alpha=16 beta=4 bp@n&w

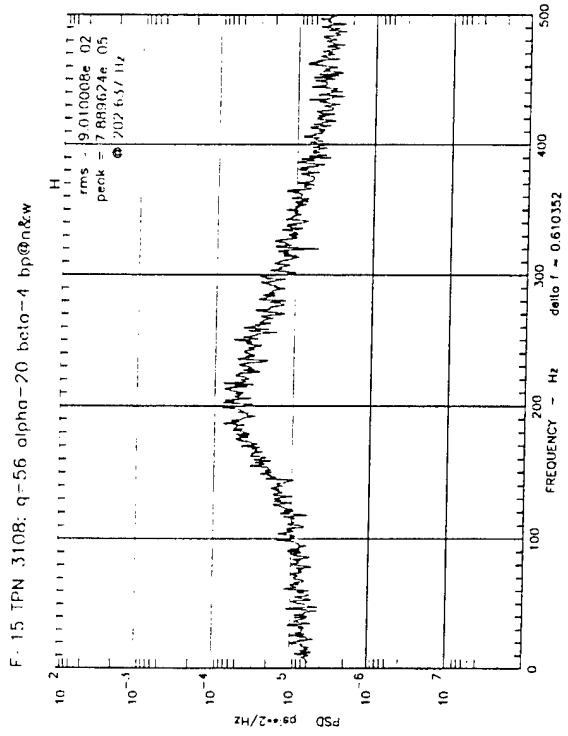


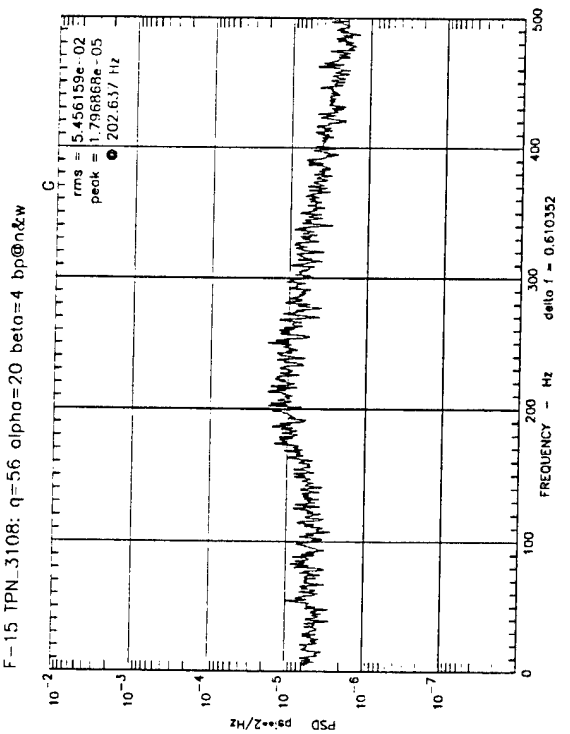

F-15 TPN 3108: q=56 alpha=20 beta=4 bp@n&w
D
rms = 7.316737e-03
peak = 2.331060e-06
@ 200.806 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

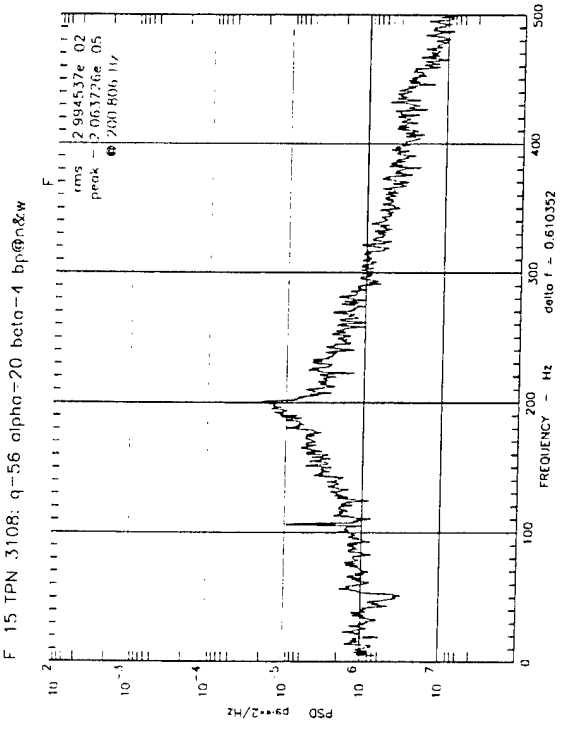

F-15 TPN_3108: q=56 alpha=20 beta=4 bp@n&w
C
rms = 1.968958e-02
peak = 1.179583e-05
@ 200.806 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

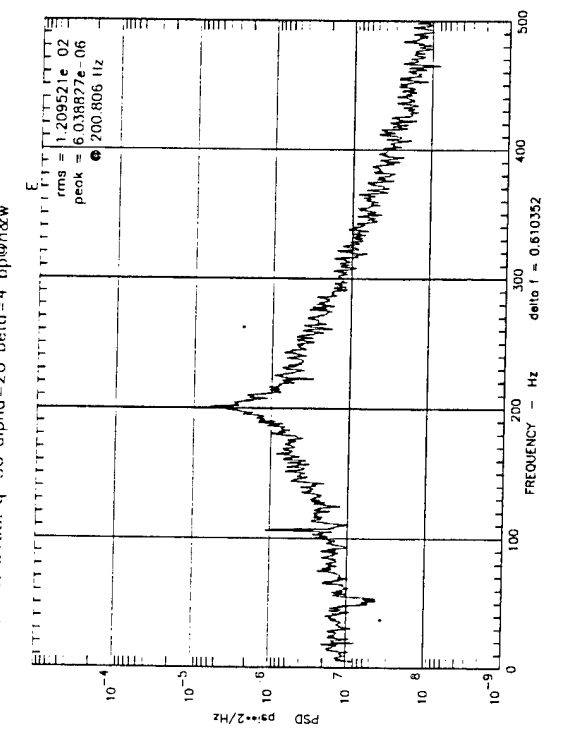

F-15 TPN_3108: q=56 alpha=20 beta=4 bp@n&w
B
rms = 2.139242e-02
peak = 1.216128e-05
@ 200.806 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3108: q=56 alpha=20 beta=4 bp@n&w
A
rms = 1.940211e-02
peak = 6.925344e-06
@ 200.806 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

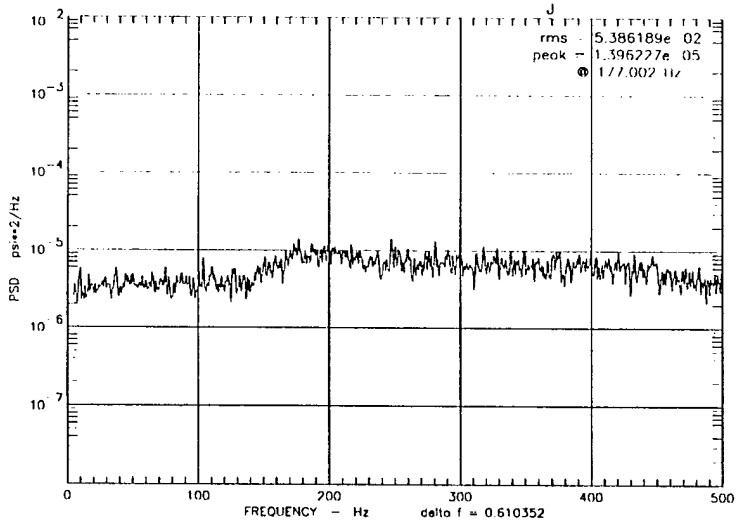

F-15 TPN 3108: q=56 alpha=20 beta=4 bp@n&w
H
rms = 9.010008e-02
peak = 7.889624e-05
@ 202.637 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3108: q=56 alpha=20 beta=4 bp@n&w
G
rms = 5.456159e-02
peak = 1.796868e-05
@ 202.637 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

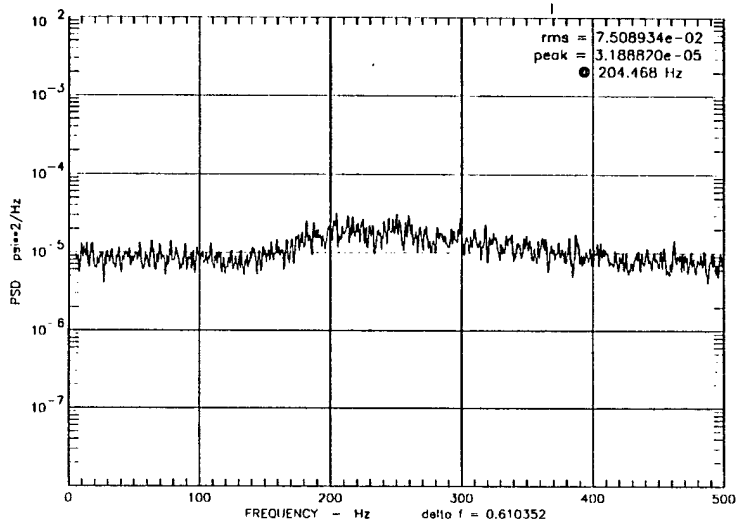

F-15 TPN 3108: q=56 alpha=20 beta=4 bp@n&w
F
rms = 2.994537e-02
peak = 2.063736e-05
@ 200.806 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN 3108: q=56 alpha=20 beta=4 bp@n&w
E
rms = 1.209521e-02
peak = 6.038827e-06
@ 200.806 Hz
PSD p9**2/Hz
FREQUENCY - Hz
delta f = 0.610352

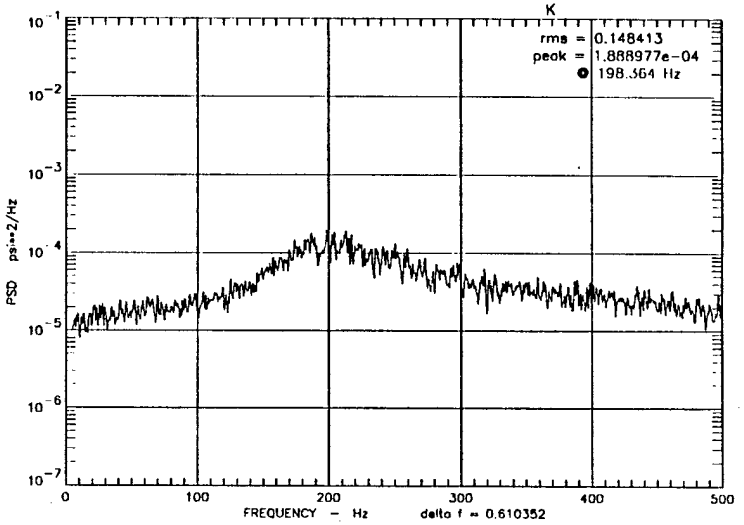
F-15 TPN_3108: q=56 alpha=20 beta=4 bp@n&w



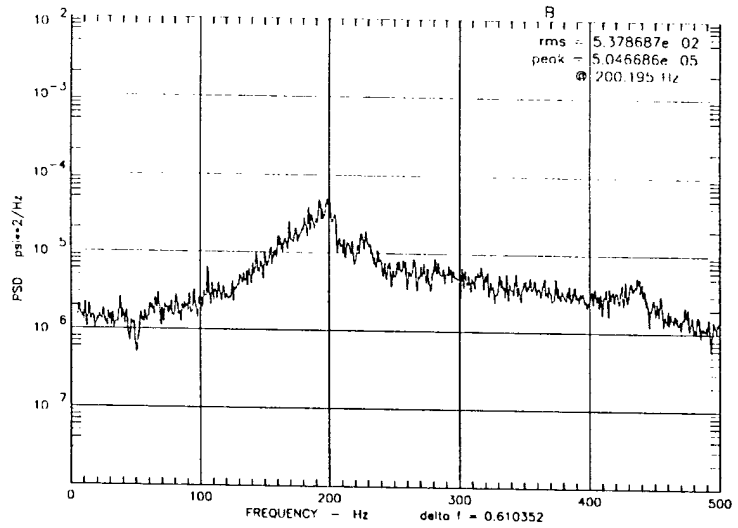
F-15 TPN_3108: q=56 alpha=20 beta=4 bp@n&w



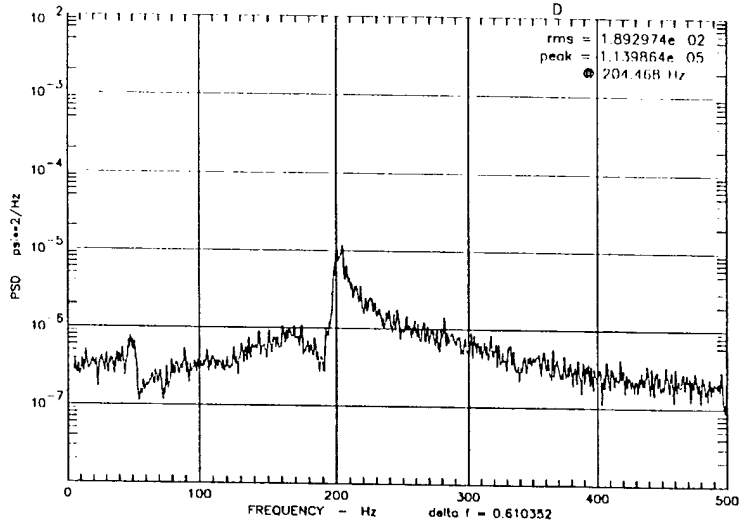
F-15 TPN_3108: q=56 alpha=20 beta=4 bp@n&w



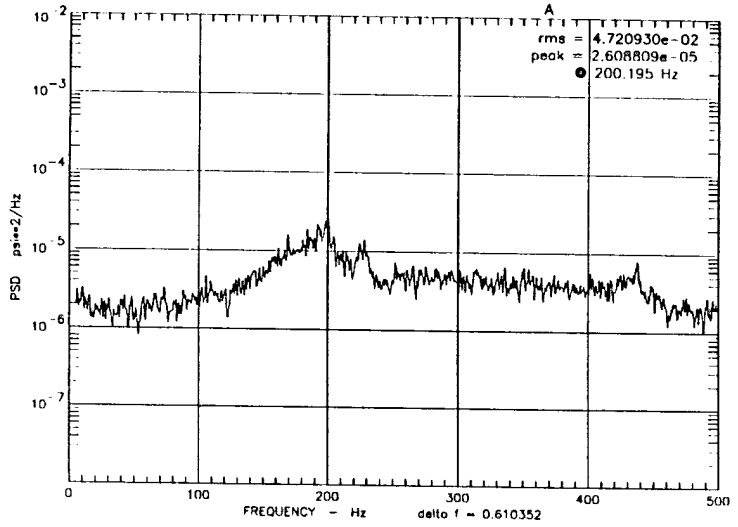
F 15 TPN 3110: q=56 alpha=24 beta=4 bp@n&w



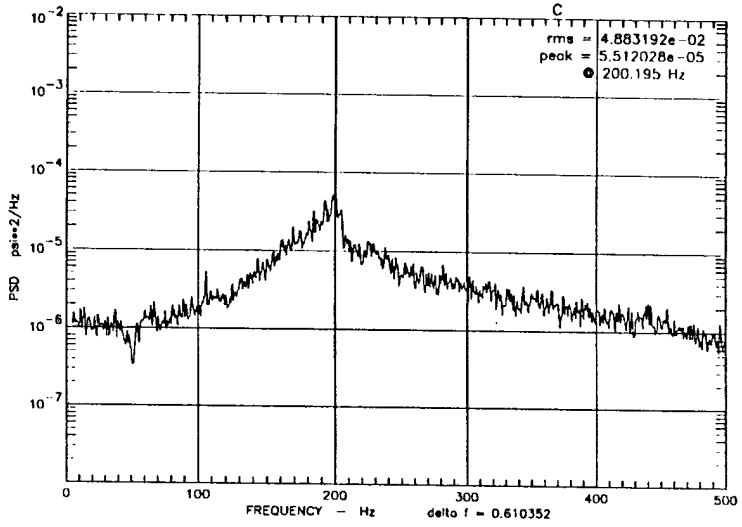
F-15 TPN_3110: q=56 alpha=24 beta=4 bp@n&w



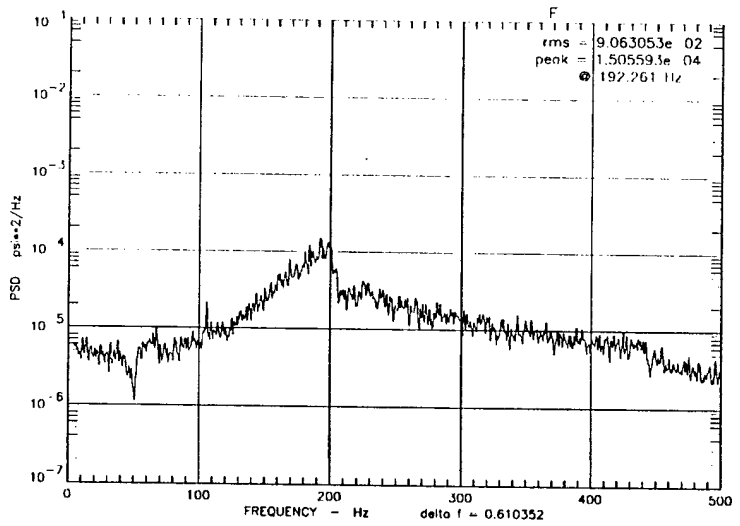
F-15 TPN_3110: q=56 alpha=24 beta=4 bp@n&w



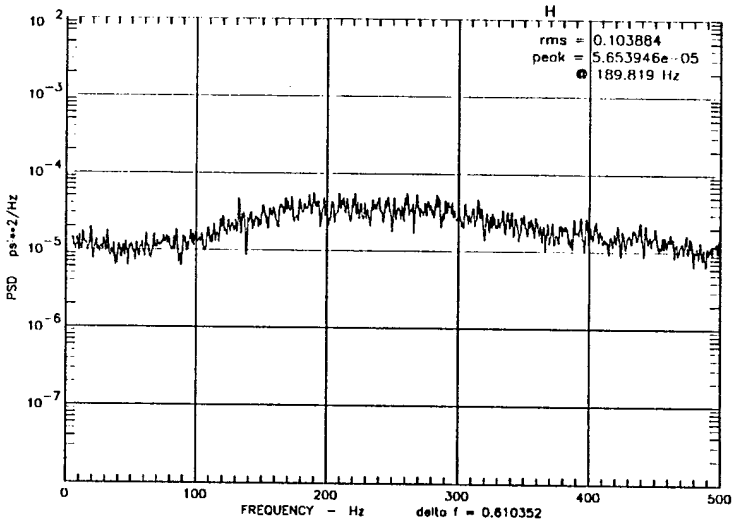
F-15 TPN_3110: q=56 alpha=24 beta=4 bp@n&w



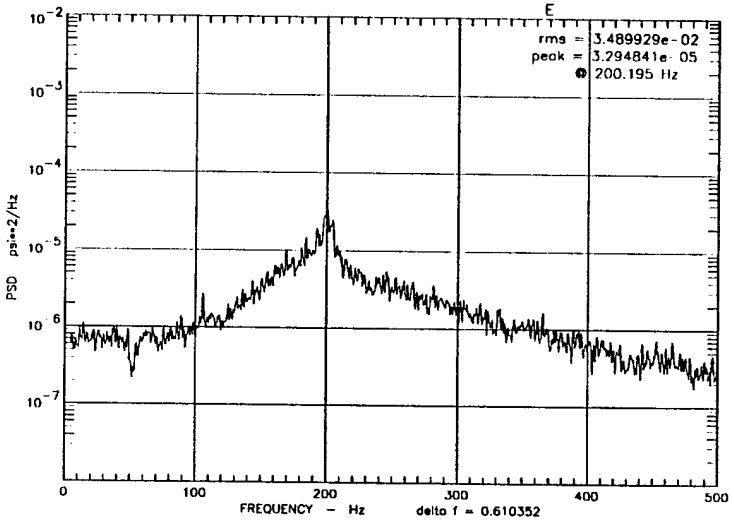
F 15 TPN 3110: q=56 alpha=24 beta=4 bp@n&w



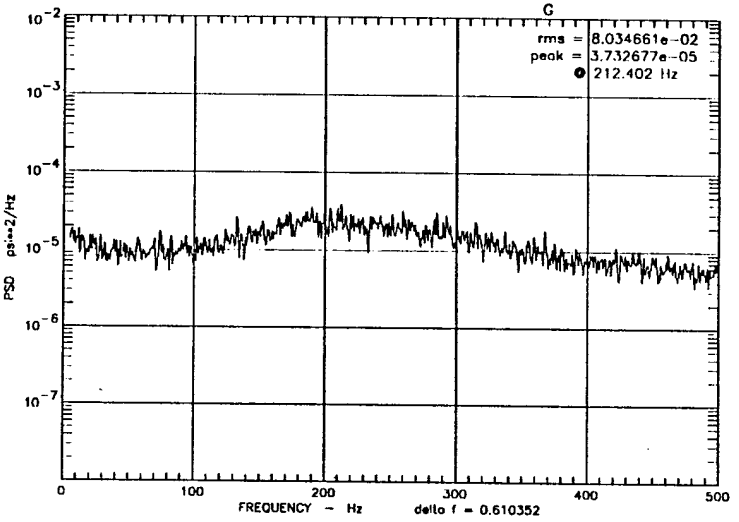
F-15 TPN_3110: q=56 alpha=24 beta=4 bp@n&w



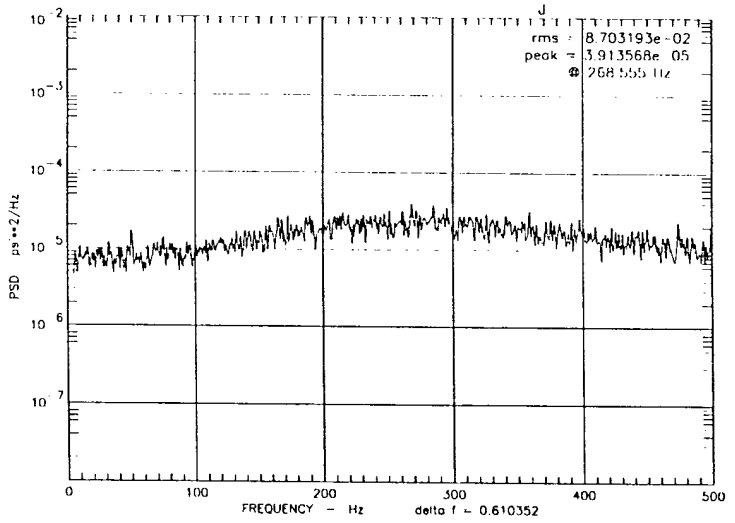
F-15 TPN_3110: q=56 alpha=24 beta=4 bp@n&w



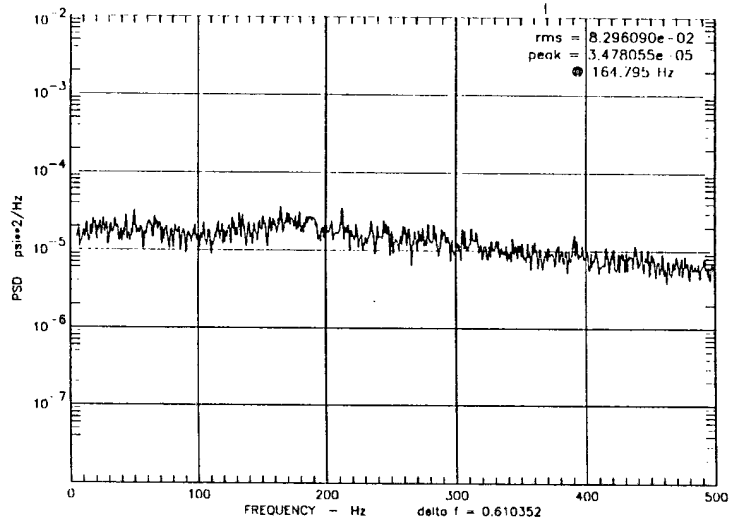
F-15 TPN_3110: q=56 alpha=24 beta=4 bp@n&w



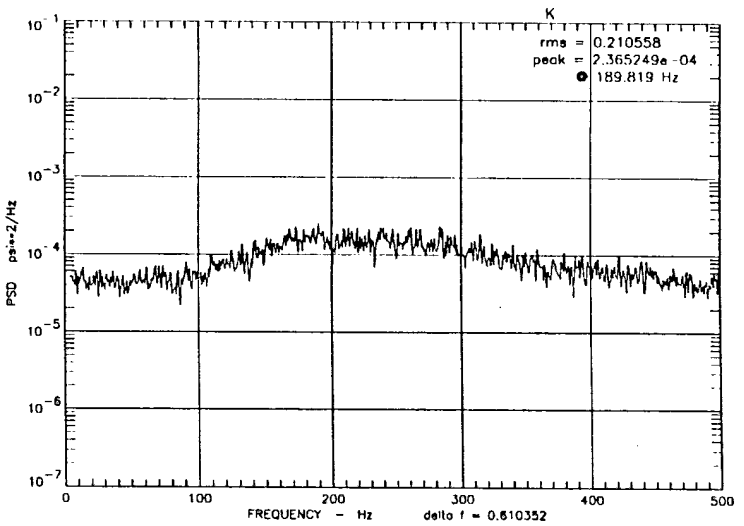
F 15 TPN 3110: q=56 alpha=24 beta=4 bp@n&w



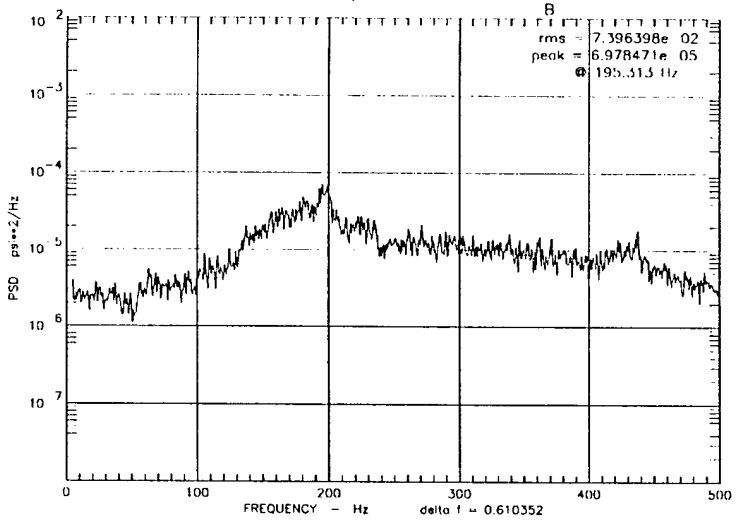
F-15 TPN_3110: q=56 alpha=24 beta=4 bp@n&w



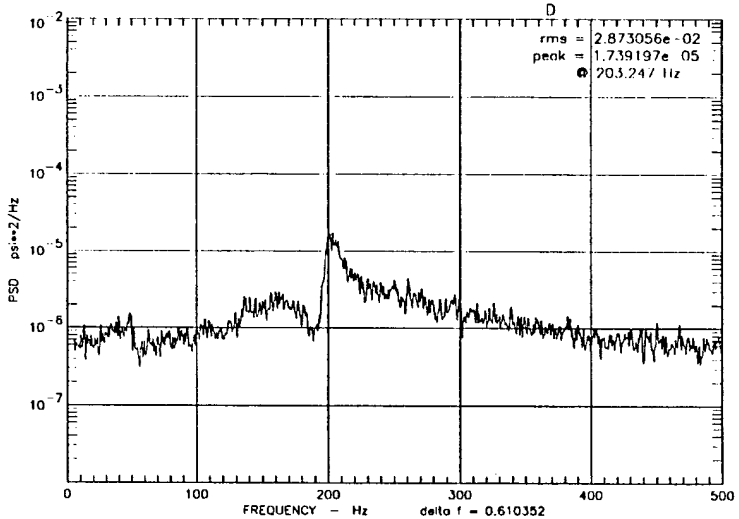
F-15 TPN_3110: q=56 alpha=24 beta=4 bp@n&w



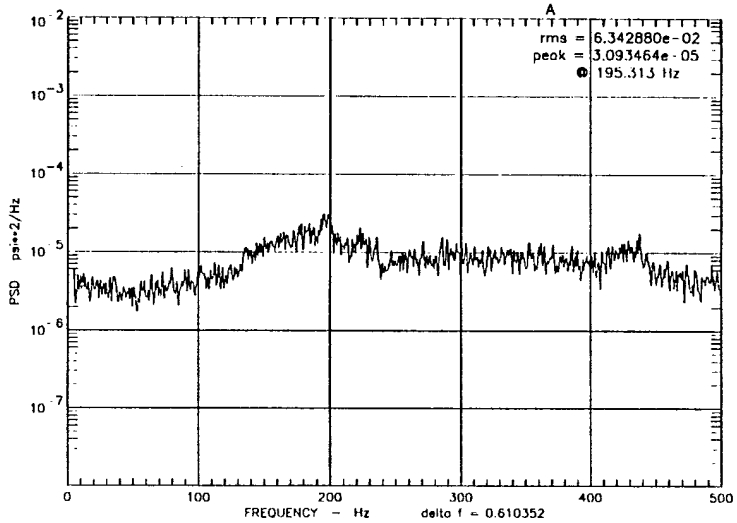
F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



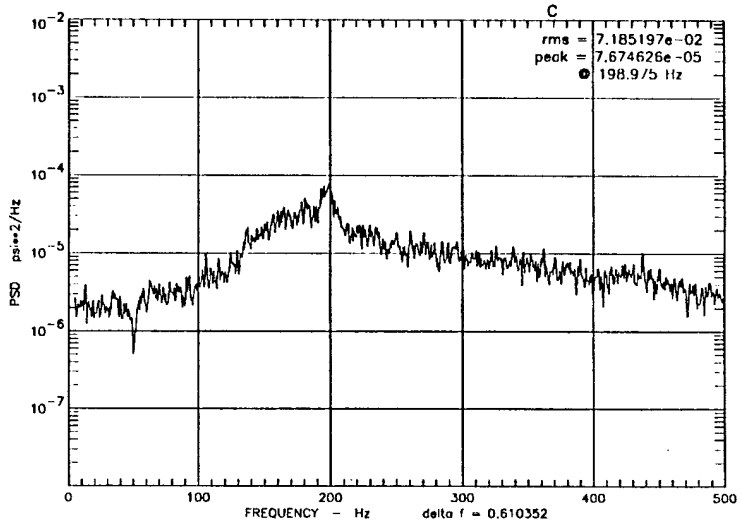
F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



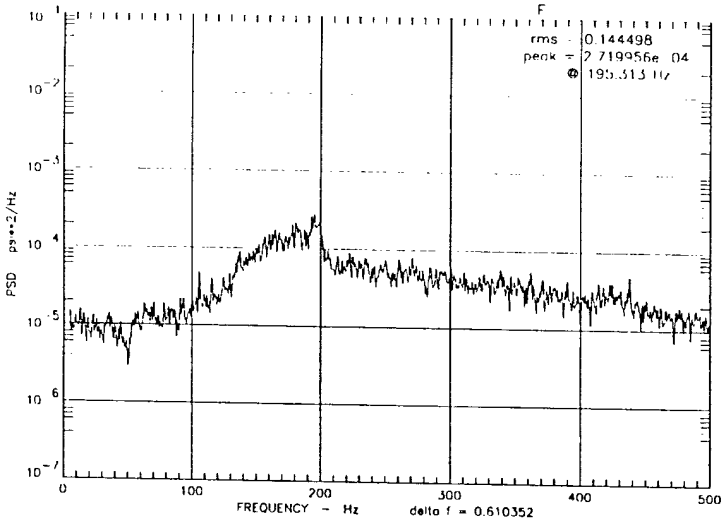
F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



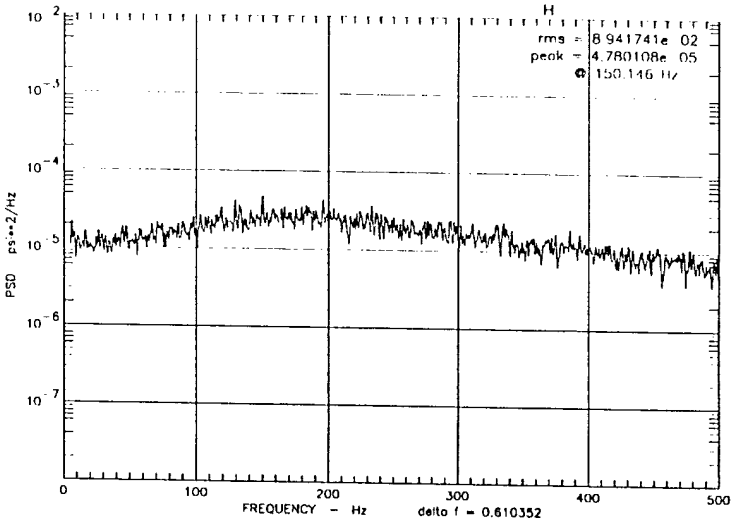
F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



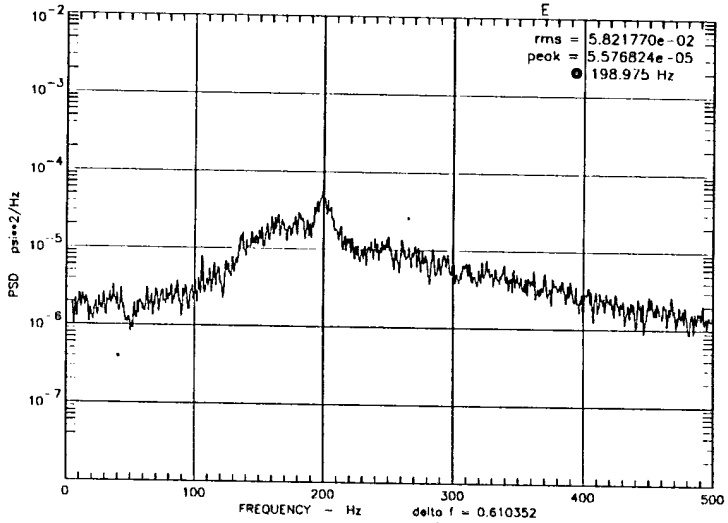
F 15 TPN 3111: q=56 alpha=26 beta=4 bp@n&w



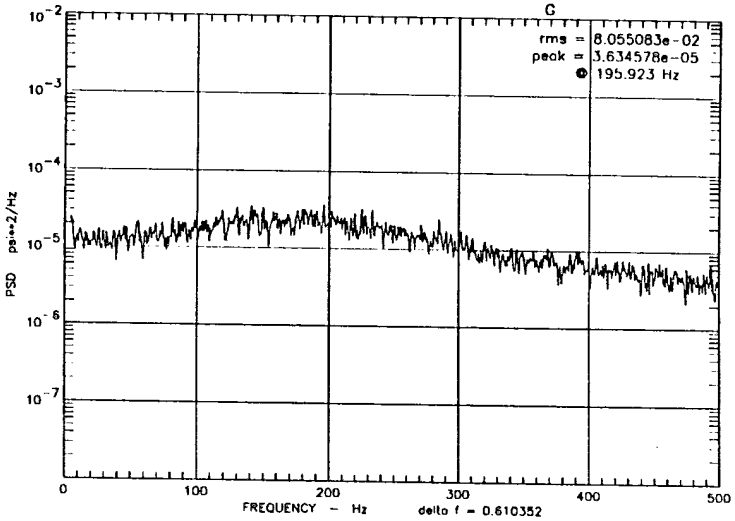
F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



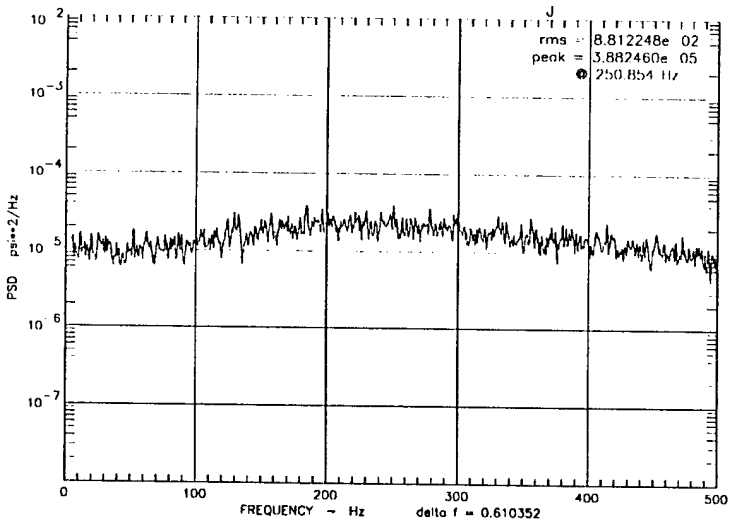
F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



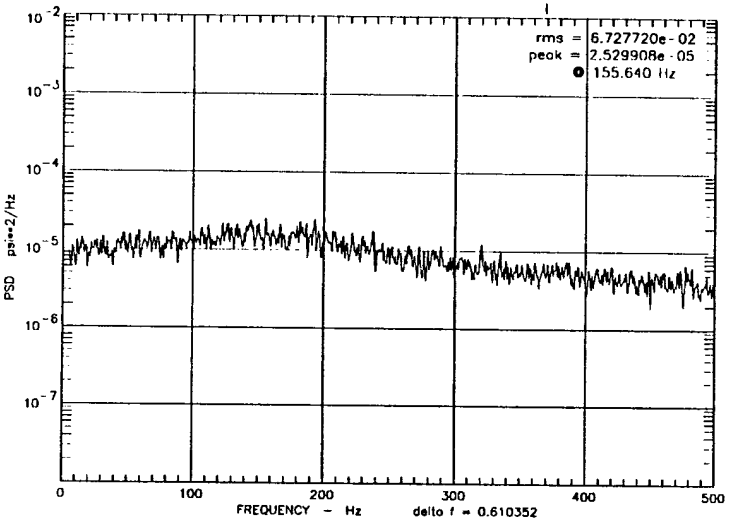
F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



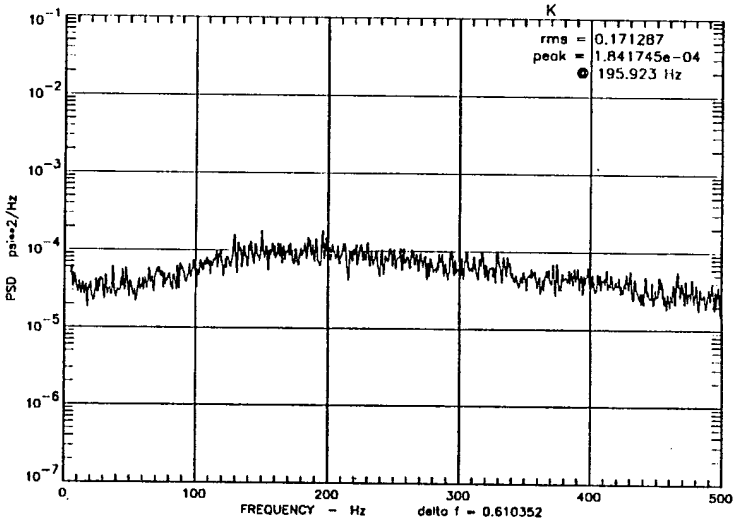
F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



F-15 TPN_3111: q=56 alpha=26 beta=4 bp@n&w



PRESSURE PSD's
Q=56 PSF

2.1.3 RMS SUMMARY TABS AND GRAPHS

F-15 Vertical Tall Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=56 psf

0 psi blowing pressure:

Beta = 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00194	.00132	.00122	.00115	.00095	.00159	.00516	.00747	.00759	.00691	.01034
	16	.00433	.00382	.00375	.00168	.00220	.00303	.01494	.01720	.03141	.04887	.02600
	20	.01753	.01948	.01766	.00662	.01076	.02721	.05581	.08930	.07327	.05675	.15490
	24	.04751	.05375	.04747	.01900	.03414	.09078	.07873	.10010	.07920	.08784	.20340
	28	.08002	.09269	.09329	.03974	.08919	.19080	.07935	.07375	.05742	.07371	.12090
	32	.09882	.08420	.09273	.04884	.09725	.15370	.08103	.07431	.05894	.07407	.09830

Beta = 0:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00206	.00140	.00163	.00106	.00093	.00171	.00492	.01277	.01084	.00669	.01767
	16	.00688	.00650	.00560	.00242	.00454	.00470	.00883	.01081	.01436	.00932	.01797
	20	.03374	.03773	.03045	.01356	.02130	.05059	.03548	.04068	.04550	.02807	.11620
	24	.06500	.07063	.06597	.02941	.05512	.13610	.07661	.07508	.06615	.05020	.20420
	28	.07825	.07889	.08281	.04160	.08712	.14550	.08778	.08689	.06158	.07821	.18040
	32	.09621	.07213	.08037	.04614	.08908	.11180	.08996	.09166	.05738	.09039	.13710

Beta = -4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00214	.00144	.00132	.00110	.00097	.00197	.00546	.00840	.01143	.01289	.01310
	16	.01218	.01096	.01034	.00418	.00619	.01774	.00618	.01128	.01328	.00755	.01350
	20	.04722	.05622	.05153	.02233	.04868	.10290	.01810	.01598	.02556	.01569	.02963
	24	.07315	.07493	.08001	.03824	.08956	.15820	.05341	.04665	.04746	.03507	.10780
	28	.07011	.06442	.06725	.03891	.07483	.10510	.10380	.08039	.06763	.06602	.23180
	32	.08394	.06174	.06219	.04162	.07170	.08416	.09859	.09921	.06278	.09672	.19370

F-15 Vertical Tail Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=56 psf

45 psi blowing pressure:

Beta = 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00208	.00151	.00130	.00115	.00103	.00193	.00567	.00792	.00793	.00652	.00834
	16	.00502	.00391	.00351	.00165	.00219	.00477	.01428	.01614	.02790	.04915	.02561
	20	.01493	.01642	.01542	.00573	.00960	.02148	.05408	.08721	.07355	.05491	.14500
	24	.03828	.04711	.04245	.01632	.02953	.07570	.07762	.10130	.08120	.08502	.20290
	28	.07867	.08933	.08961	.03903	.08282	.17970	.07906	.07827	.05807	.07450	.12160
	32	.10430	.08839	.09419	.04923	.09765	.15190	.08161	.07755	.05860	.07414	.09831

Beta = 0:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00210	.00142	.00132	.00108	.00091	.00222	.00506	.01233	.01089	.00673	.01200
	16	.00651	.00587	.00518	.00214	.00397	.00687	.01012	.01063	.01308	.01019	.01825
	20	.02829	.03154	.02613	.01146	.01847	.04139	.03728	.03809	.04584	.03065	.11170
	24	.05274	.06417	.06056	.02640	.04771	.12310	.07808	.07237	.06585	.04925	.19790
	28	.07402	.07747	.07730	.03749	.08114	.14470	.08620	.08939	.06077	.08280	.17470
	32	.08464	.07480	.07883	.04163	.08154	.12620	.07993	.08040	.05470	.08332	.10730

Beta = -4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00215	.00149	.00131	.00114	.00096	.00210	.00563	.00786	.01119	.00971	.01076
	16	.01124	.01041	.00986	.00422	.00661	.01821	.00681	.01240	.01253	.00659	.01550
	20	.03952	.04533	.04244	.01785	.04018	.07805	.02072	.01663	.02511	.02164	.03698
	24	.06777	.07452	.08192	.03433	.09134	.17630	.05751	.05083	.04898	.03767	.11210
	28	.07451	.07131	.07653	.04124	.08432	.12840	.09918	.08251	.06908	.06829	.22160
	32	.08976	.06577	.06293	.04106	.06609	.08957	.08889	.09301	.06170	.09286	.15830

9/9/96

F-15 Vertical Tail Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=56 psf

65 psi blowing pressure:

Beta = 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	16	.00519	.00445	.00411	.00184	.00257	.00498	.01611	.01756	.03149	.04520	.02804
	20	.01817	.02023	.01863	.00676	.01131	.02610	.05442	.08867	.07418	.05449	.14830
	24	.04356	.05057	.04642	.01765	.03225	.08425	.08002	.10610	.08417	.09069	.20980
	28	.07597	.08733	.08889	.03691	.08189	.18090	.08100	.07650	.05781	.07498	.12150
	32	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

Beta = 0:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	16	.00762	.00726	.00648	.00264	.00493	.00784	.01037	.01095	.01457	.01060	.02007
	20	.03284	.03760	.03096	.01334	.02175	.05082	.03866	.03762	.04637	.03090	.11170
	24	.06145	.06997	.06578	.02786	.05345	.13450	.07664	.07190	.06593	.04861	.19870
	28	.07935	.07967	.08437	.04213	.08909	.14840	.08847	.08722	.06371	.07991	.18450
	32	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

Beta = -4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
	16	.01380	.01295	.01228	.00506	.00828	.02199	.00656	.01316	.01251	.00656	.02888
	20	.04178	.05138	.04844	.02124	.04674	.09143	.02150	.01947	.02669	.02068	.04708
	24	.06502	.07504	.08071	.03427	.08904	.17210	.05590	.04979	.04749	.03807	.10220
	28	.07752	.07071	.07666	.04102	.08566	.12990	.10250	.08007	.06797	.06582	.21870
	32	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx

F-15 Vertical Tail Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=56 psf

65 psi blowing pressure at gun only:

Beta = 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	16	.00499	.00463	.00420	.00185	.00253	.00411	.02143	.02286	.04525	.05462	.03564
	20	.02129	.02356	.02137	.00761	.01299	.03061	.05958	.09007	.07380	.05925	.15510
	24	.05338	.05138	.04596	.01775	.03097	.05234	.08190	.11440	.08949	.09868	.22000
	26	.07074	.07348	.06784	.02801	.05302	.13560	.08730	.10450	.07961	.10040	.19340

Beta = 0:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	16	.00822	.00805	.00680	.00297	.00553	.00676	.01179	.01117	.01663	.01263	.02317
	20	.03692	.04208	.03421	.01489	.02390	.05521	.04025	.04166	.04728	.03218	.12160
	24	.06674	.07181	.06589	.02854	.05263	.13430	.07540	.08039	.06640	.04586	.21680
	26	.07803	.08196	.08173	.03692	.07882	.16240	.08724	.08727	.07446	.06835	.21060

Beta = - 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	16	.01913	.01748	.01698	.00652	.00985	.02839	.00729	.01276	.01353	.00719	.02548
	20	.04909	.05892	.05425	.02255	.05230	.10810	.02295	.01737	.02850	.02259	.03634
	24	.07562	.08052	.08601	.03880	.09309	.17400	.05509	.04564	.04794	.03619	.09691
	26	.07970	.08182	.09015	.04478	.10170	.16450	.08454	.06918	.05942	.04008	.16720

F-15 Vertical Tail Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=56 psf

65 psi blowing pressure at gun & wing L.E.:

Beta = 4:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.00570	.00510	.00464	.00198	.00290	.00538	.02165	.02453	.04505	.04765	.03621
	20	.01990	.02221	.02062	.00733	.01265	.03040	.05859	.09139	.07477	.05649	.15470
	24	.04571	.04930	.04534	.01718	.03180	.08196	.08174	.11640	.09284	.09763	.21590
	26	.06673	.06865	.06427	.02600	.05017	.12760	.08575	.10640	.08132	.10260	.20160

Beta = 0:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.00825	.00809	.00719	.00290	.00559	.00782	.01200	.01151	.01677	.01220	.02444
	20	.03280	.03907	.03286	.01422	.02329	.05451	.03988	.03932	.04742	.03082	.11680
	24	.06266	.06989	.06677	.02798	.05479	.13780	.07600	.07691	.06539	.04548	.20500
	26	.07214	.07880	.07868	.03454	.07464	.16320	.08713	.08804	.07811	.06875	.20930

Beta = - 4:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.01697	.01603	.01459	.00595	.00918	.02655	.00786	.01213	.01302	.00703	.02787
	20	.04441	.05617	.05292	.02234	.05232	.10460	.02548	.02085	.02893	.02485	.04719
	24	.07102	.08066	.08474	.03613	.09223	.17830	.05711	.04853	.04643	.03558	.10300
	26	.07477	.08609	.09491	.04357	.10380	.18260	.08265	.06484	.05778	.04003	.16520

F-15 Vertical Tail Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=56 psf

87 psi blowing pressure at nose only:

Beta = 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	16	.00459	.00409	.00403	.00176	.00267	.00513	.01631	.01612	.02903	.04856	.02509
	20	.01876	.02076	.01894	.00713	.01158	.02924	.05614	.08840	.07271	.05619	.15030
	24	.04891	.05592	.05015	.01963	.03545	.09553	.07888	.10230	.07951	.08781	.20530
	26	.06964	.08083	.07848	.03161	.06441	.16000	.08065	.08647	.06543	.08578	.16500

Beta = 0:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	16	.00683	.00652	.00548	.00249	.00460	.00544	.00989	.01092	.01449	.01094	.01861
	20	.03536	.04003	.03254	.01427	.02238	.05189	.03688	.03935	.04548	.03132	.11520
	24	.06507	.07082	.06627	.02910	.05490	.13580	.07814	.07548	.06729	.05049	.20640
	26	.07644	.07837	.07861	.03653	.07872	.15050	.08717	.08056	.06715	.06898	.19760

Beta = - 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	16	.01154	.01049	.01052	.00406	.00620	.01720	.00684	.01212	.01377	.00781	.01250
	20	.04749	.05641	.05187	.02191	.04778	.10070	.02072	.01641	.02442	.02131	.03031
	24	.07286	.07563	.08104	.03849	.08991	.15990	.05853	.05006	.05010	.03788	.11610
	26	.07767	.07241	.08185	.04144	.09258	.13990	.09099	.07817	.06543	.04722	.19360

F-15 Vertical Tail Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=56 psf

87 psi blowing pressure at nose & 65 psi at gun:

Beta = 4:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.00531	.00487	.00461	.00198	.00296	.00567	.02143	.02375	.04436	.05245	.03512
	20	.02171	.02420	.02187	.00803	.01347	.03472	.05836	.08752	.07249	.05611	.14910
	24	.05482	.05330	.04711	.01847	.03241	.08836	.08147	.11390	.08848	.09729	.22130
	26	.07193	.07542	.06970	.02911	.05504	.13930	.08658	.10480	.07895	.09933	.19430

Beta = 0:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.00822	.00804	.00696	.00304	.00557	.00705	.01170	.01116	.01695	.01288	.02277
	20	.03755	.04304	.03521	.01501	.02404	.05780	.04018	.04201	.04740	.03136	.12280
	24	.06737	.07286	.06723	.02840	.05395	.13840	.07609	.07972	.06696	.05904	.21390
	26	.07721	.08062	.08101	.03730	.07858	.16050	.08784	.08705	.07405	.06868	.20800

Beta = - 4:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.01902	.01749	.01675	.00657	.00983	.02773	.00828	.01292	.01525	.00790	.01775
	20	.04836	.05754	.05268	.02185	.04976	.10420	.02446	.01713	.02696	.02440	.03657
	24	.07463	.08068	.08515	.03854	.09175	.17300	.05928	.04813	.04944	.03628	.10770
	26	.07868	.08178	.09156	.04544	.10250	.16520	.08985	.06929	.06051	.04246	.17250

F-15 Vertical Tail Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=56 psf

87 psi blowing pressure at nose & 65 psi at wing L.E.:

Beta = 4:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.00550	.00481	.00462	.00199	.00301	.00660	.01646	.01853	.03190	.04527	.02865
	20	.01940	.02139	.01969	.00732	.01210	.02995	.05456	.09010	.07509	.05386	.14840
	24	.04721	.05379	.04883	.01893	.03490	.09063	.08035	.10390	.08296	.08703	.21060
	26	.06343	.07396	.07185	.02873	.05822	.14450	.08055	.08942	.06728	.08812	.17130

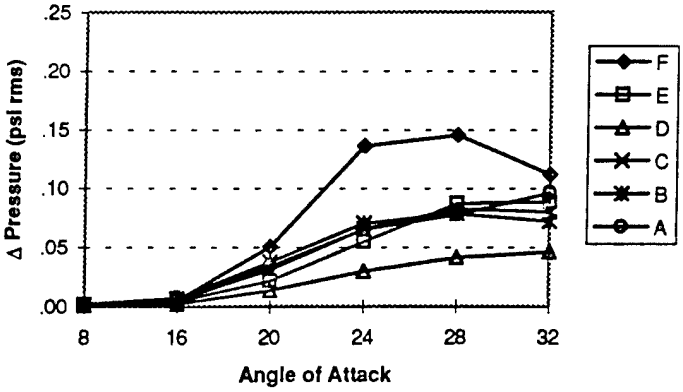
Beta = 0:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.00763	.00734	.00654	.00266	.00499	.00806	.01073	.01106	.01497	.01158	.02123
	20	.03416	.03939	.03273	.01424	.02297	.05461	.03923	.03842	.04675	.03136	.11370
	24	.06259	.06999	.06600	.02833	.05393	.13530	.07873	.07279	.06699	.05008	.20000
	26	.07402	.07688	.07720	.03553	.07467	.15290	.08637	.08104	.06883	.06940	.19940

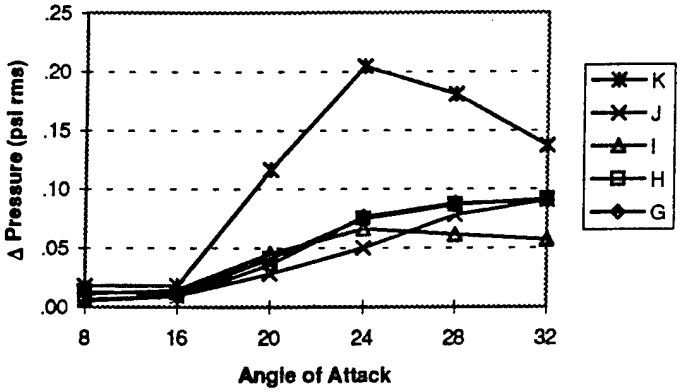
Beta = - 4:

		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
Alpha:	16	.01351	.01283	.01200	.00505	.00793	.02172	.00754	.01346	.01368	.00720	.02178
	20	.04147	.05006	.04693	.02024	.04355	.08842	.02299	.01817	.02529	.02387	.04124
	24	.06653	.07592	.08077	.03488	.08855	.17190	.05957	.05226	.04956	.03870	.11630
	26	.07057	.07542	.08052	.03804	.09055	.15770	.09211	.07162	.06540	.04760	.18800

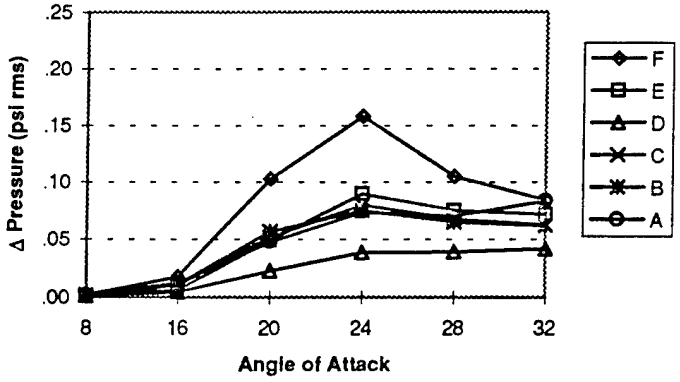
Flex Tail: Q=56 psf, Beta=0
0 psi blowing @ wing L.E.



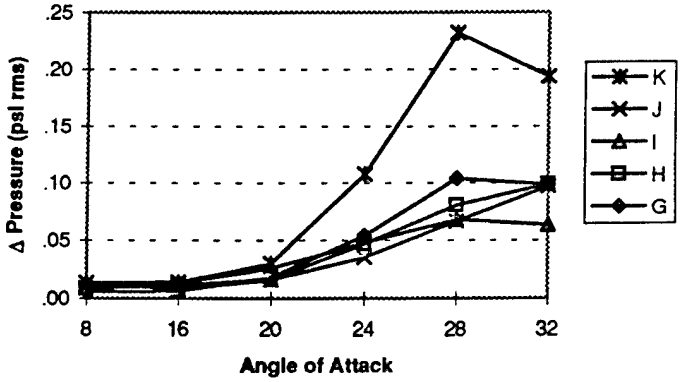
Rigid Tail: Q=56 psf, Beta=0
0 psi blowing @ wing L.E.



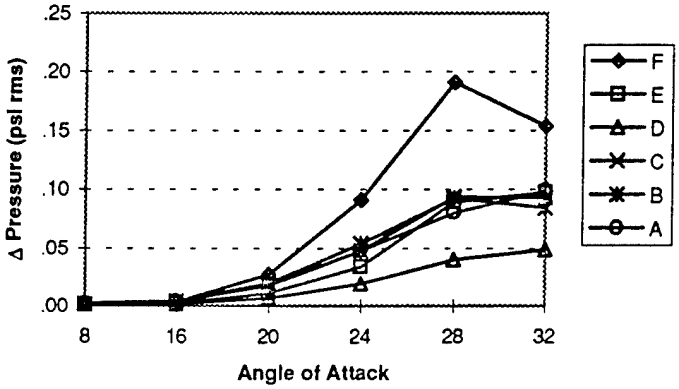
Flex Tail: Q=56 psf, Beta=-4
0 psi blowing @ wing L.E.



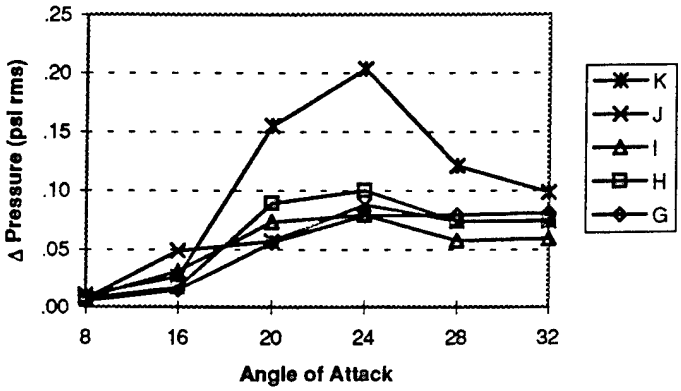
Rigid Tail: Q=56 psf, Beta=-4
0 psi blowing @ wing L.E.



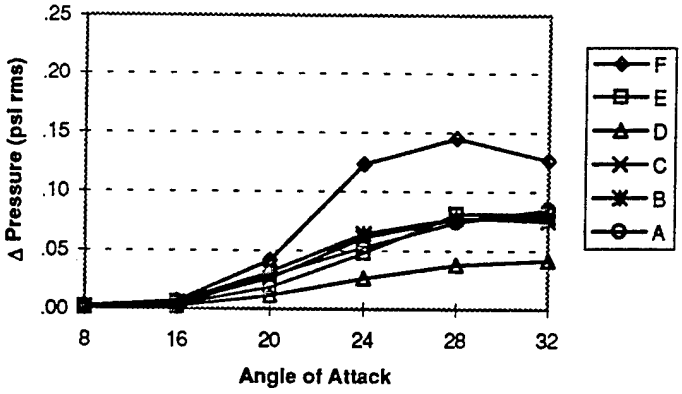
Flex Tail: Q=56 psf, Beta=4
0 psi blowing @ wing L.E.



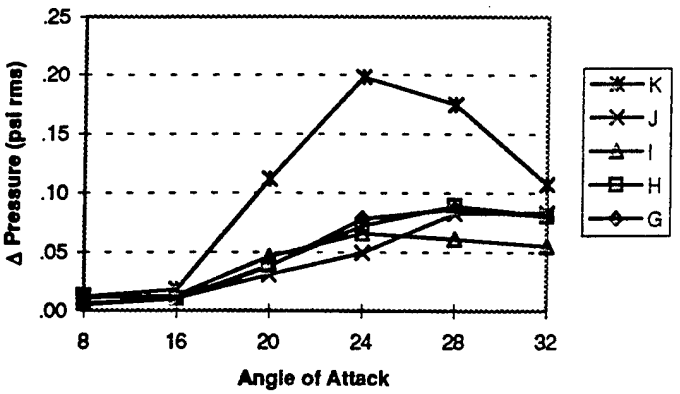
Rigid Tail: Q=56 psf, Beta=4
0 psi blowing @ wing L.E.



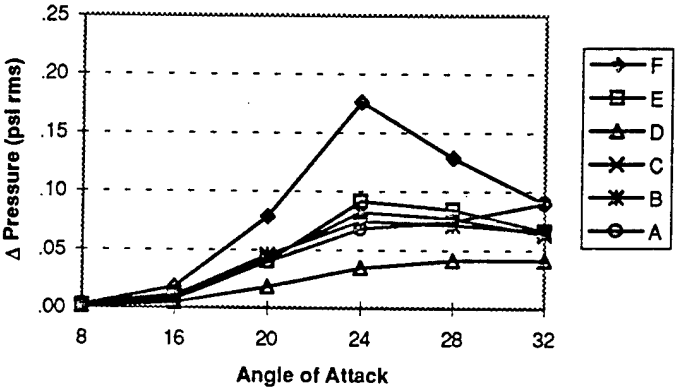
Flex Tail: Q=56 psf, Beta=0
45 psi blowing @ wing L.E.



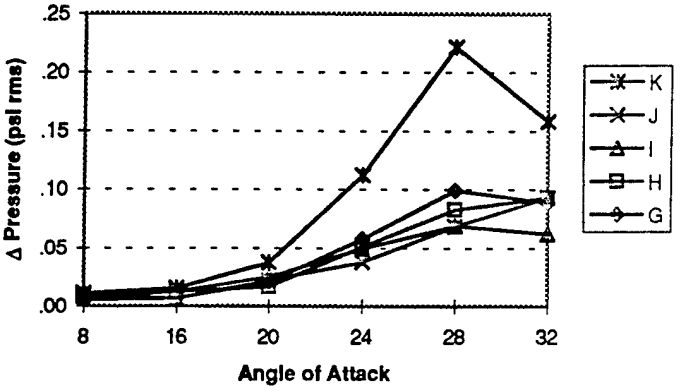
Rigid Tail: Q=56 psf, Beta=0
45 psi blowing @ wing L.E.



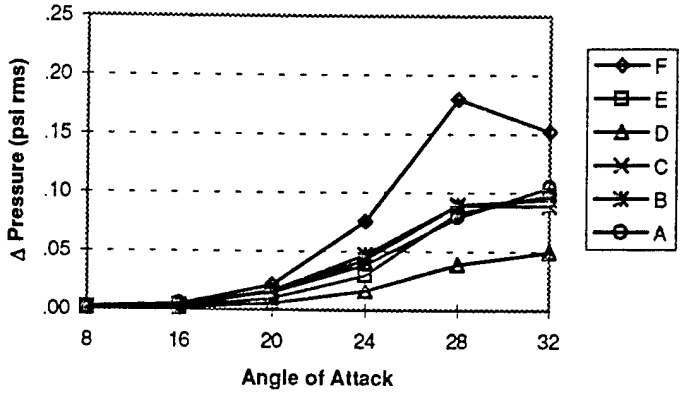
Flex Tail: Q=56 psf, Beta=-4
45 psi blowing @ wing L.E.



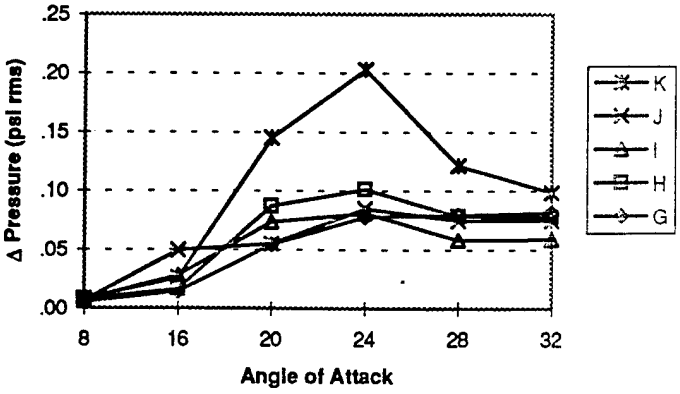
Rigid Tail: Q=56 psf, Beta=-4
45 psi blowing @ wing L.E.



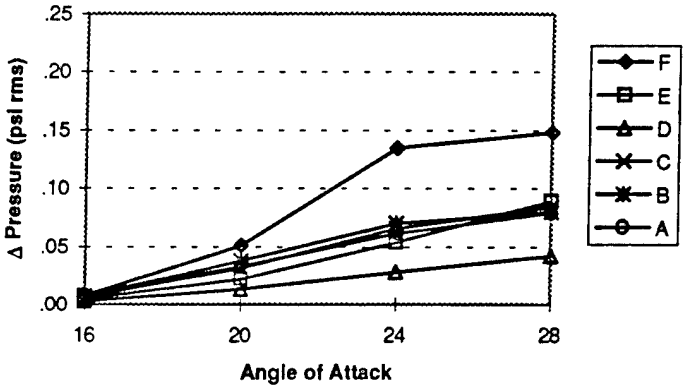
Flex Tail: Q=56 psf, Beta=4
45 psi blowing @ wing L.E.



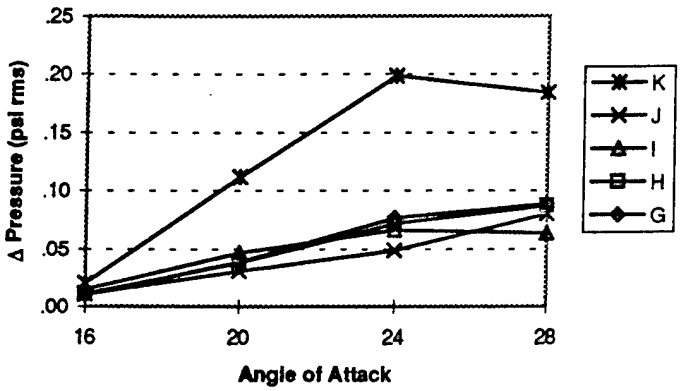
Rigid Tail: Q=56 psf, Beta=4
45 psi blowing @ wing L.E.



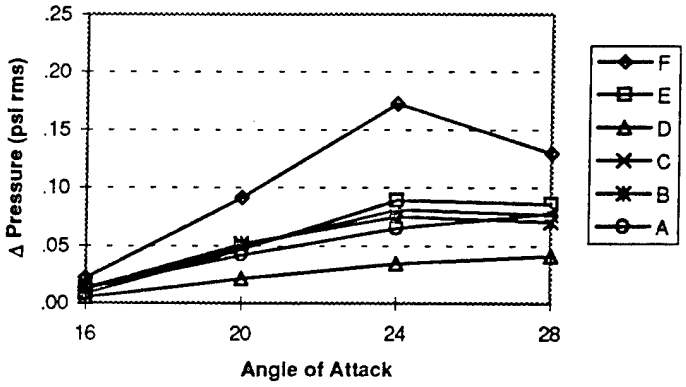
Flex Tail: Q=56 psf, Beta=0
65 psi blowing @ wing L.E.



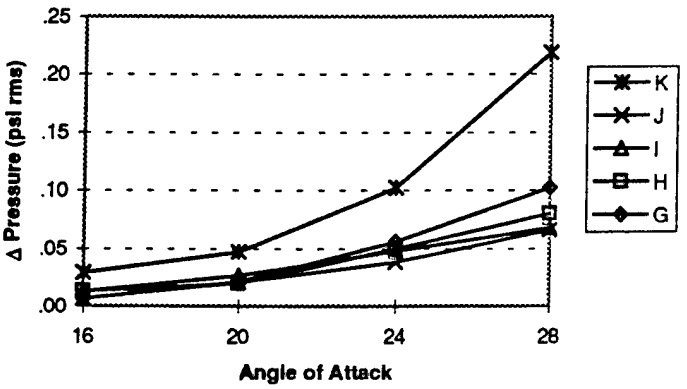
Rigid Tail: Q=56 psf, Beta=0
65 psi blowing @ wing L.E.



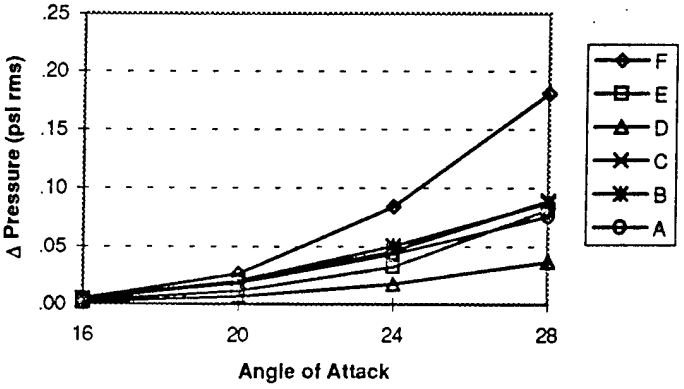
Flex Tail: Q=56 psf, Beta=-4
65 psi blowing @ wing L.E.



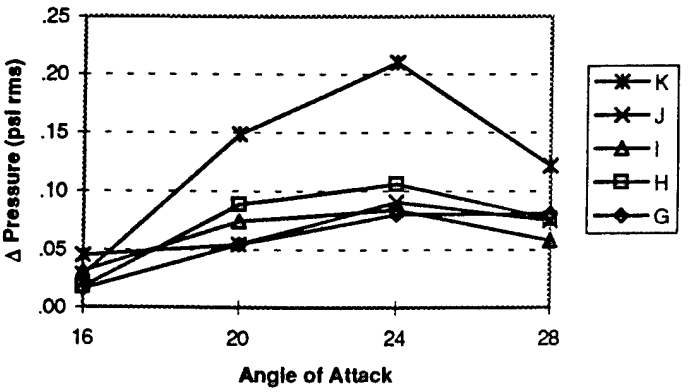
Rigid Tail: Q=56 psf, Beta=-4
65 psi blowing @ wing L.E.



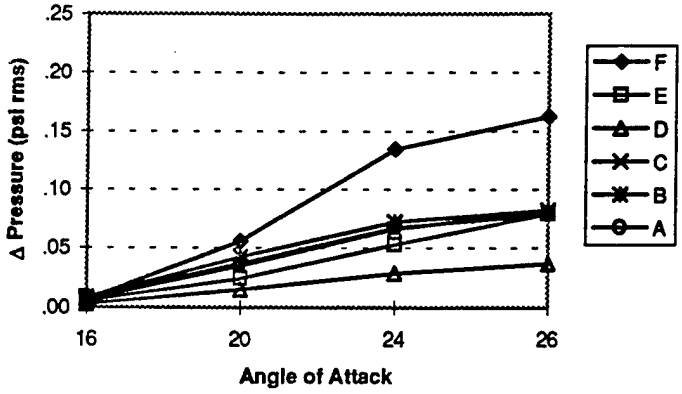
Flex Tail: Q=56 psf, Beta=4
65 psi blowing @ wing L.E.



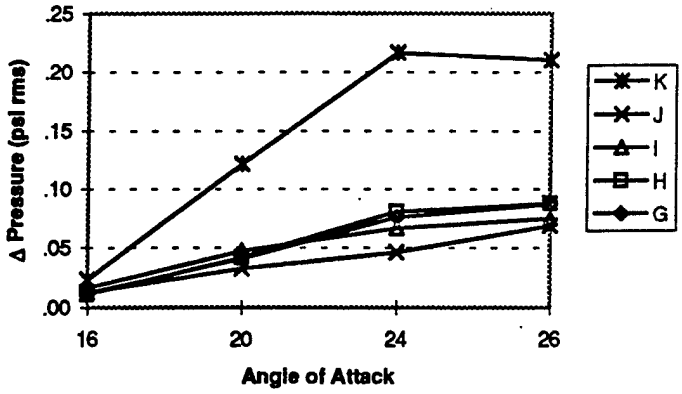
Rigid Tail: Q=56 psf, Beta=4
65 psi blowing @ wing L.E.



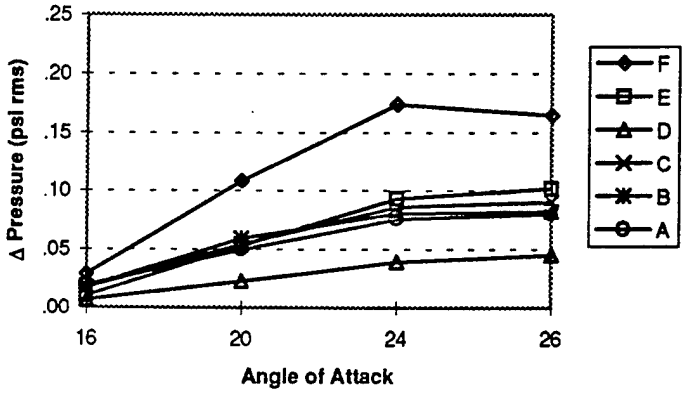
Flex Tail: Q=56 psf, Beta=0
65 psi blowing @ gun only



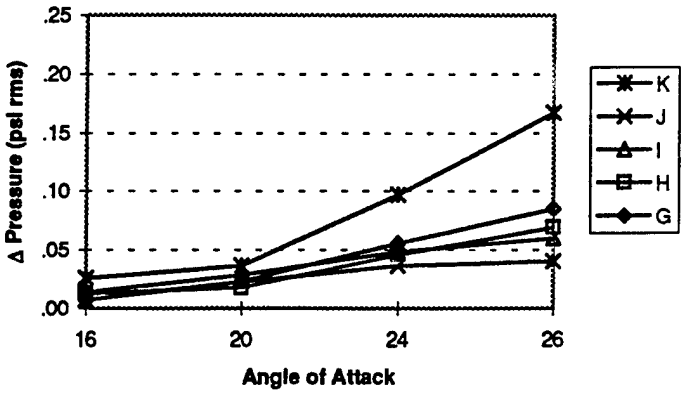
Rigid Tail: Q=56 psf, Beta=0
65 psi blowing @ gun only



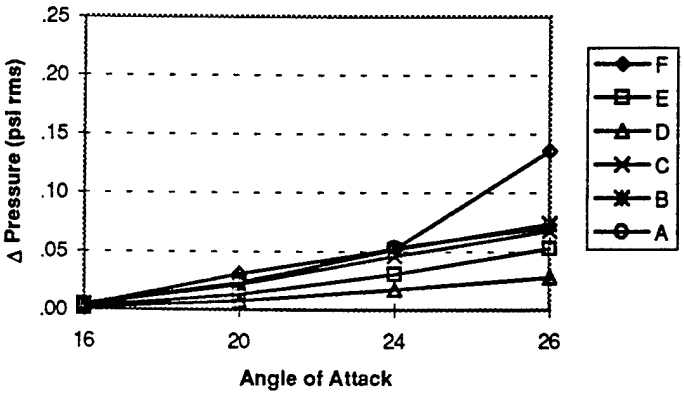
Flex Tail: Q=56 psf, Beta=-4
65 psi blowing @ gun only



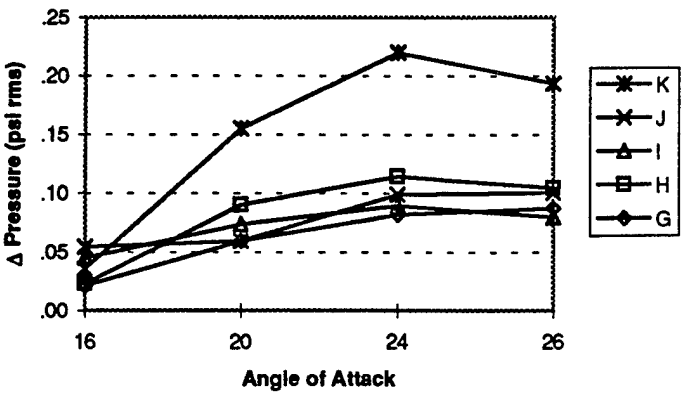
Rigid Tail: Q=56 psf, Beta=-4
65 psi blowing @ gun only



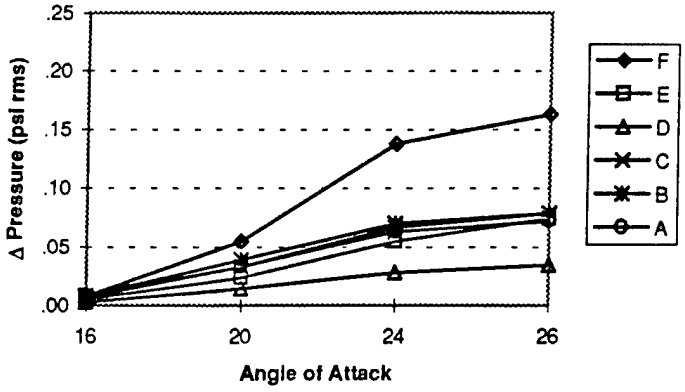
Flex Tail: Q=56 psf, Beta=4
65 psi blowing @ gun only



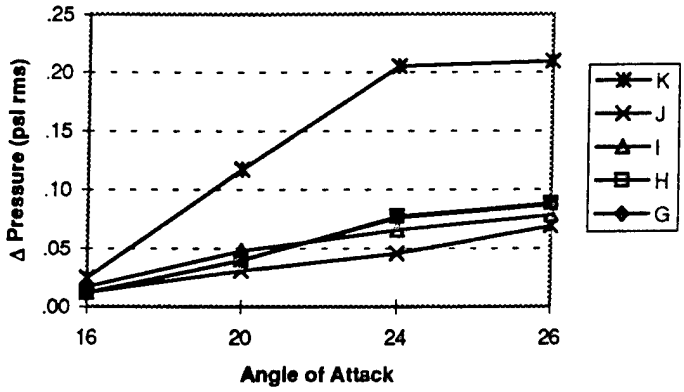
Rigid Tail: Q=56 psf, Beta=4
65 psi blowing @ gun only



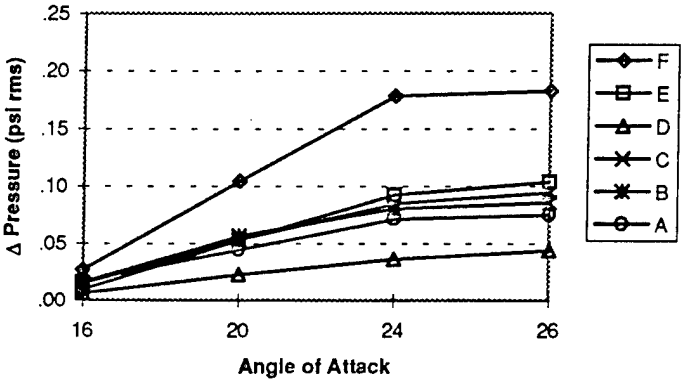
Flex Tail: Q=56 psf, Beta=0
65 psi blowing @ gun & wing L.E.



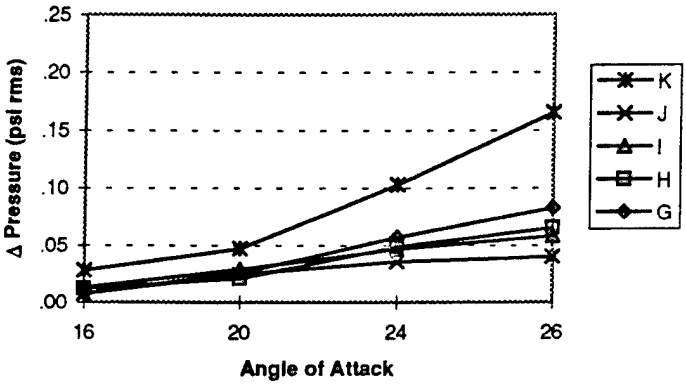
Rigid Tail: Q=56 psf, Beta=0
65 psi blowing @ gun & wing L.E.



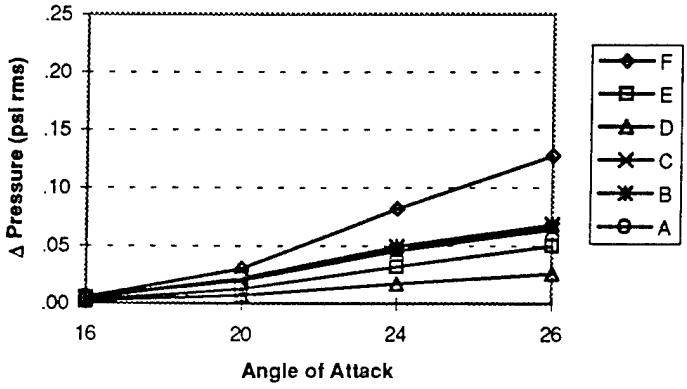
Flex Tail: Q=56 psf, Beta=-4
65 psi blowing @ gun & wing L.E.



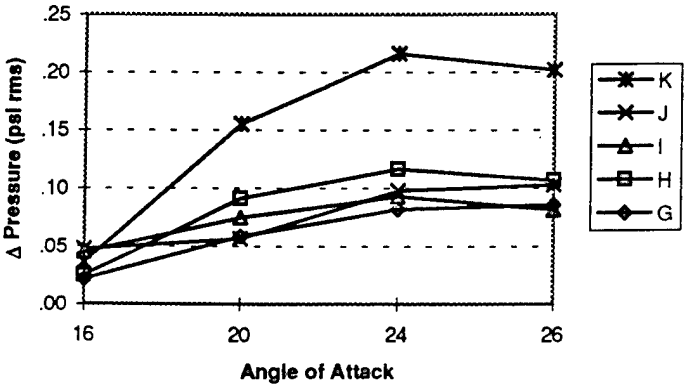
Rigid Tail: Q=56 psf, Beta=-4
65 psi blowing @ gun & wing L.E.



Flex Tail: Q=56 psf, Beta=4
65 psi blowing @ gun & wing L.E.

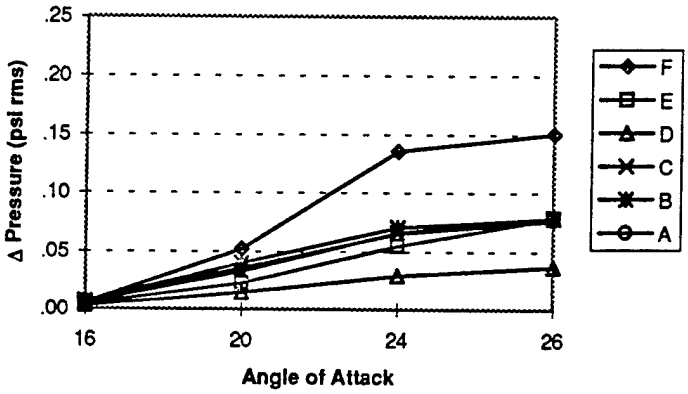


Rigid Tail: Q=56 psf, Beta=4
65 psi blowing @ gun & wing L.E.

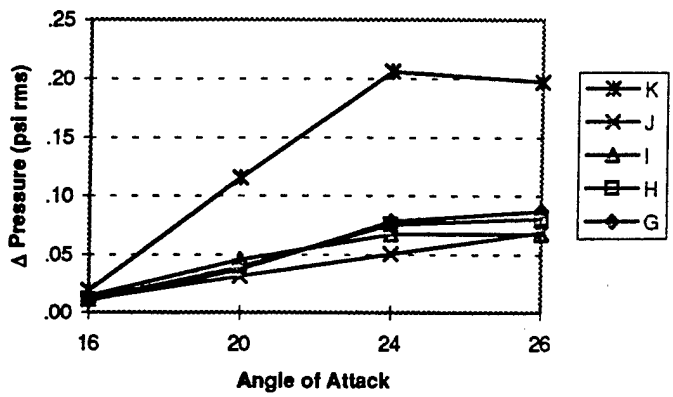


F-15 Vertical Tail Buffet Test

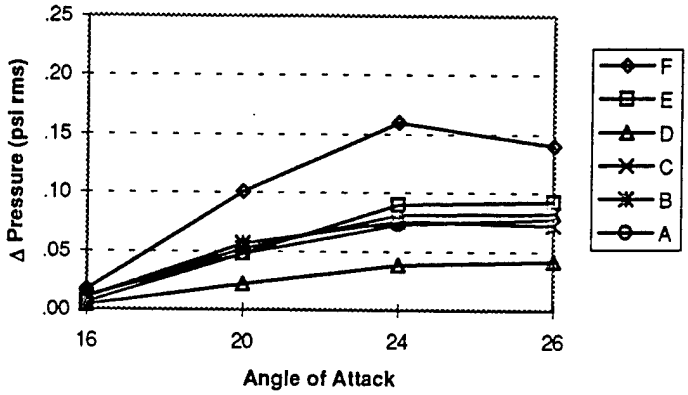
Flex Tail: Q=56 psf, Beta=0
87 psi blowing at nose only



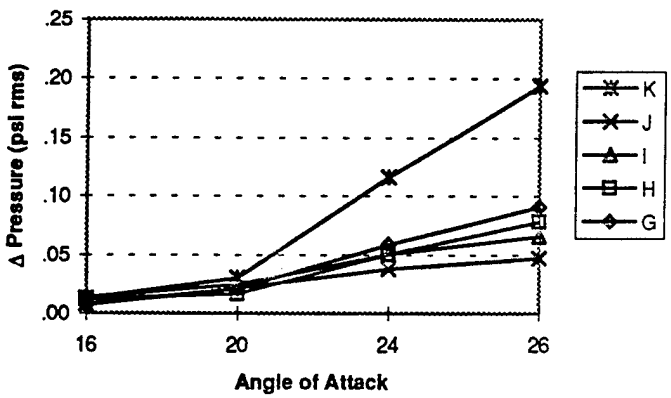
Rigid Tail: Q=56 psf, Beta=0
87 psi blowing at nose only



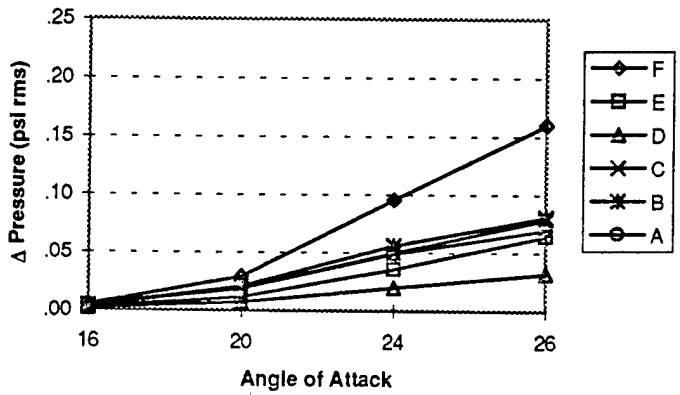
Flex Tail: Q=56 psf, Beta=-4
87 psi blowing at nose only



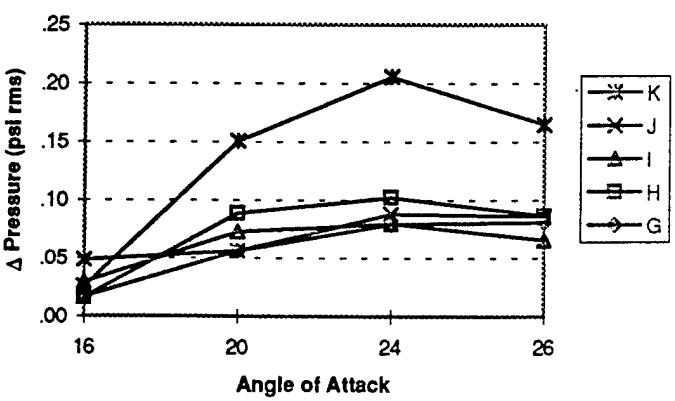
Rigid Tail: Q=56 psf, Beta=-4
87 psi blowing at nose only



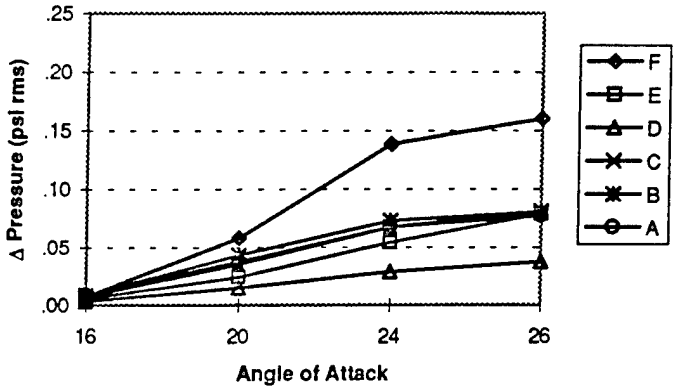
Flex Tail: Q=56 psf, Beta=4
87 psi blowing at nose only



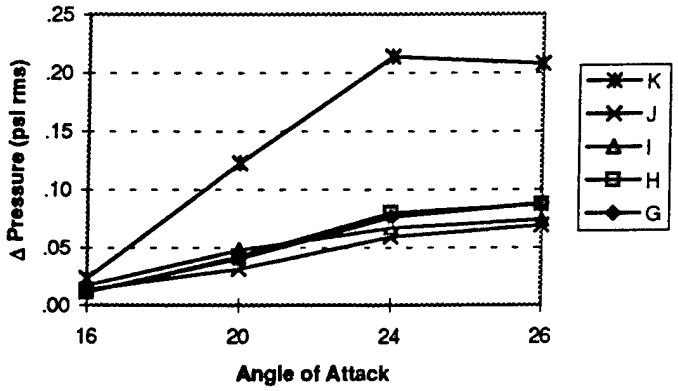
Rigid Tail: Q=56 psf, Beta=4
87 psi blowing at nose only



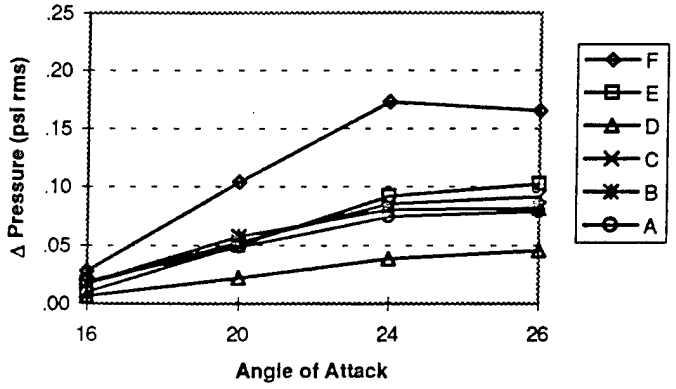
Flex Tail: Q=56 psf, Beta=0
87 psi blowing at nose & 65 psi at gun



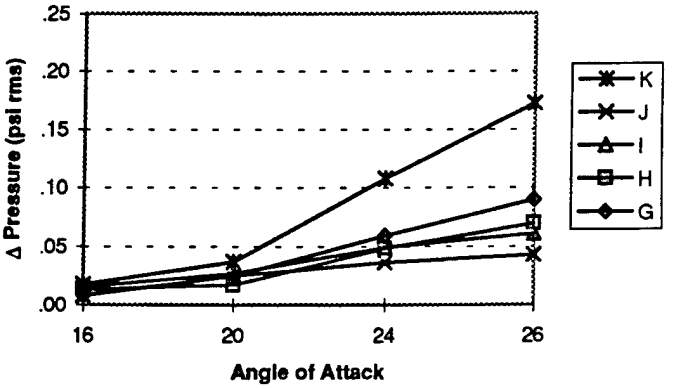
Rigid Tail: Q=56 psf, Beta=0
87 psi blowing at nose & 65 psi at gun



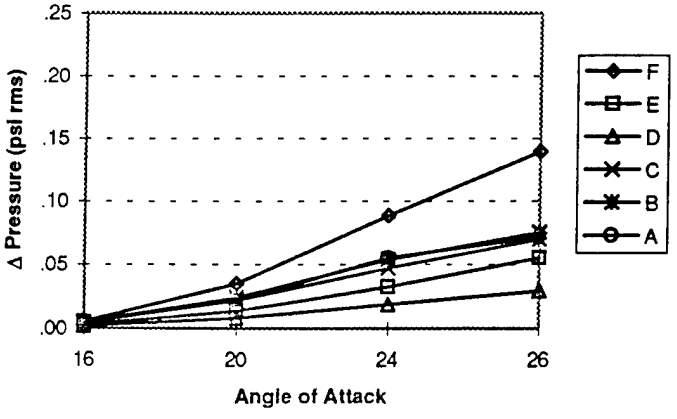
Flex Tail: Q=56 psf, Beta=-4
87 psi blowing at nose & 65 psi at gun



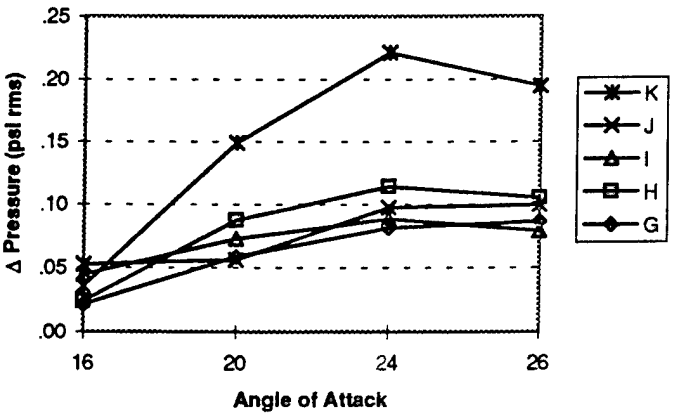
Rigid Tail: Q=56 psf, Beta=-4
87 psi blowing at nose & 65 psi at gun



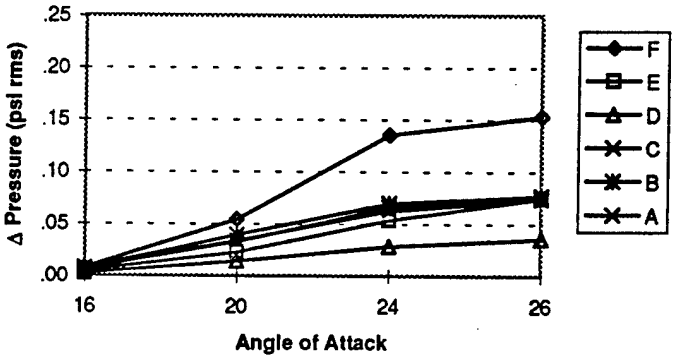
Flex Tail: Q=56 psf, Beta=4
87 psi blowing at nose & 65 psi at gun



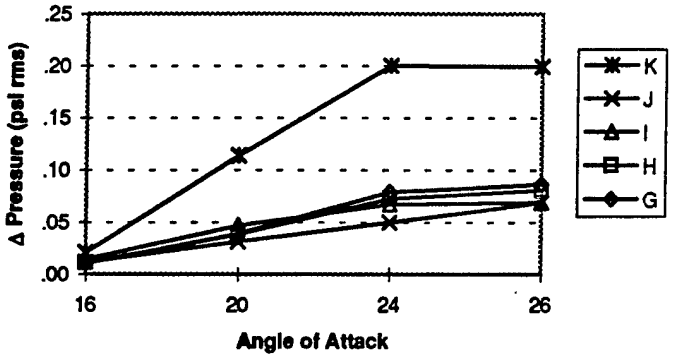
Rigid Tail: Q=56 psf, Beta=4
87 psi blowing at nose & 65 psi at gun



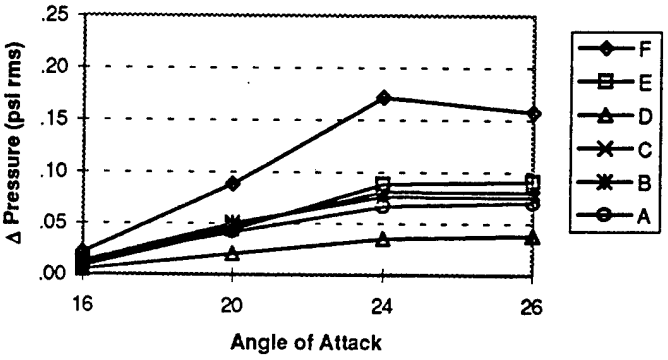
Flex Tail: Q=56 psf, Beta=0
87 psi blowing at nose &
65 psi at wing L.E.



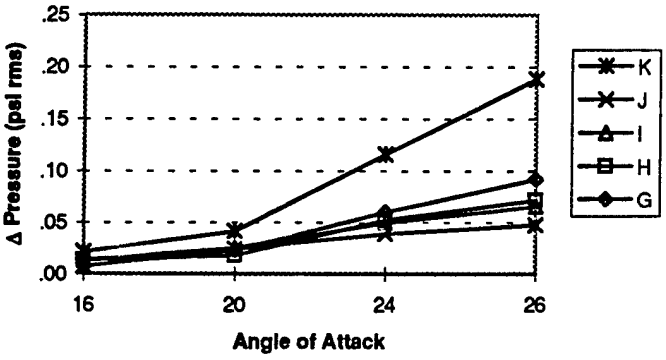
Rigid Tail: Q=56 psf, Beta=0
87 psi blowing at nose &
65 psi at wing L.E.



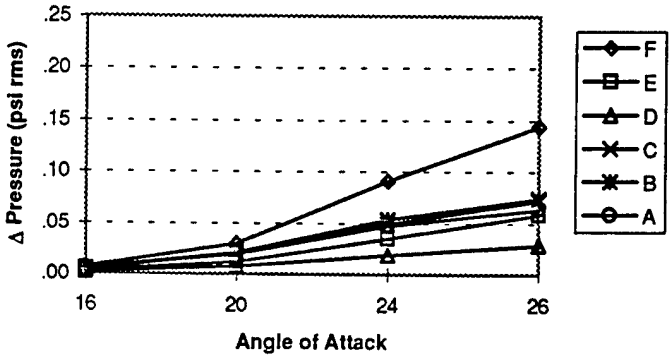
Flex Tail: Q=56 psf, Beta=-4
87 psi blowing at nose &
65 psi at wing L.E.



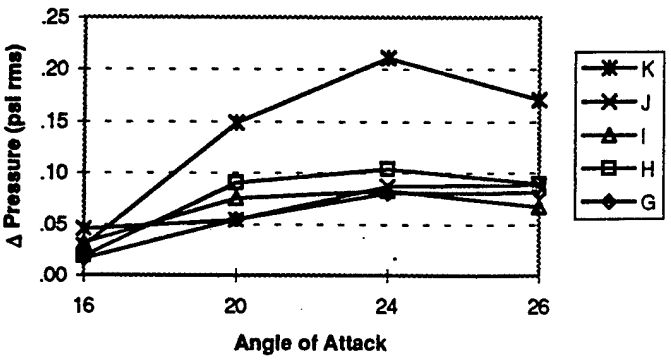
Rigid Tail: Q=56 psf, Beta=-4
87 psi blowing at nose &
65 psi at wing L.E.



Flex Tail: Q=56 psf, Beta=4
87 psi blowing at nose &
65 psi at wing L.E.



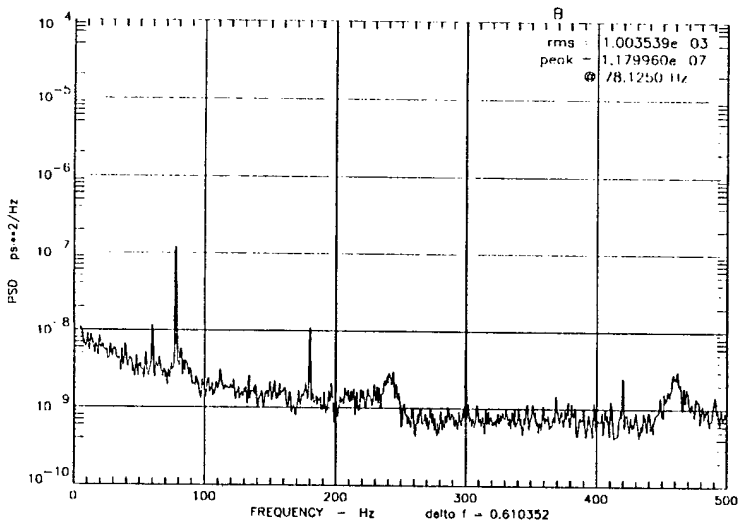
Rigid Tail: Q=56 psf, Beta=4
87 psi blowing at nose &
65 psi at wing L.E.

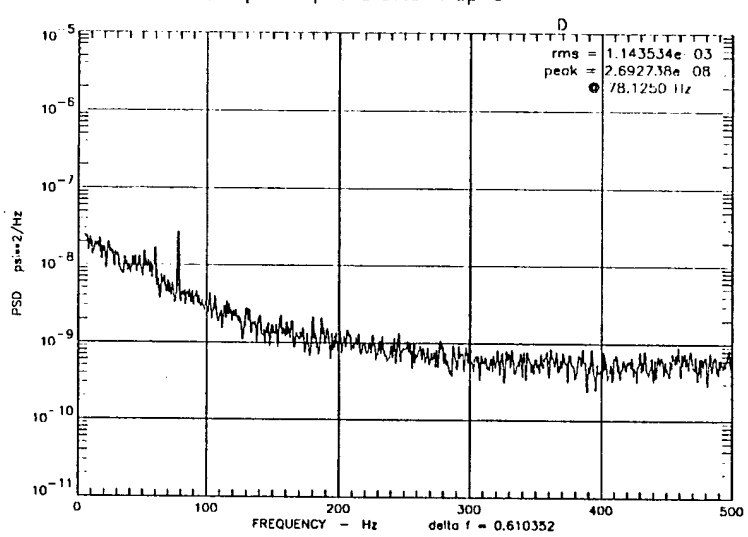


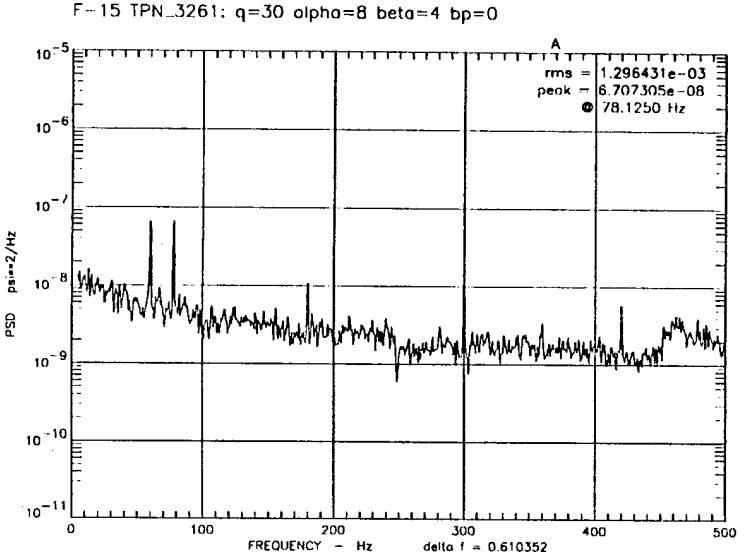
PRESSURE PSD's

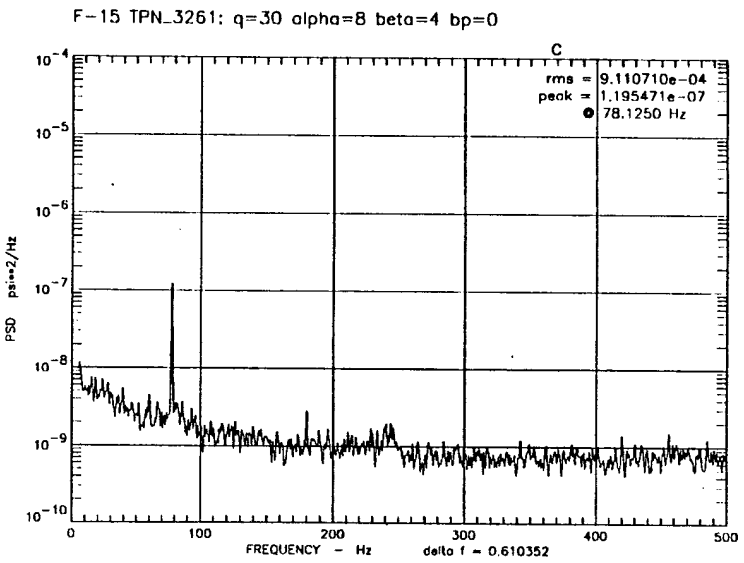
Q= 30 PSF

2.2.1.1 PSD GRAPHS (5- 500 HZ), WBP=O, BETA =0, -4, +4 DEG, ALPHA 8.....32 DEG

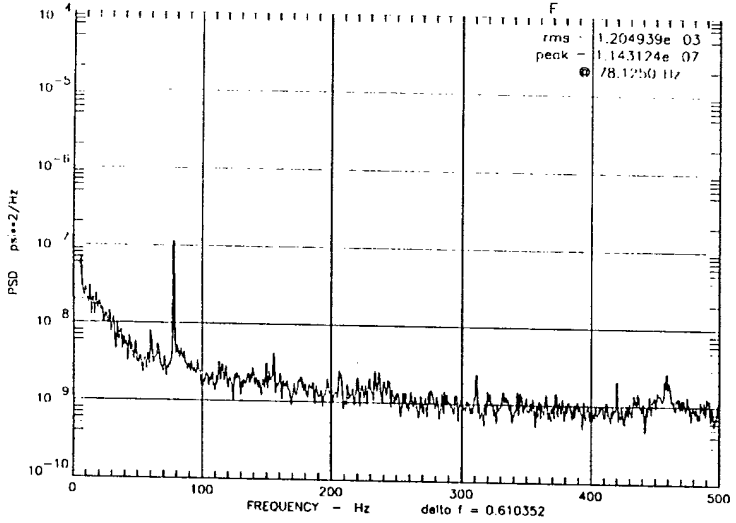

F-15 TPN 3261: q=30 alpha=8 beta=4 bp=0
B
rms = 1.003539e-03
peak = 1.179960e-07
@ 78.1250 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0
D
rms = 1.143534e-03
peak = 2.692738e-08
@ 78.1250 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

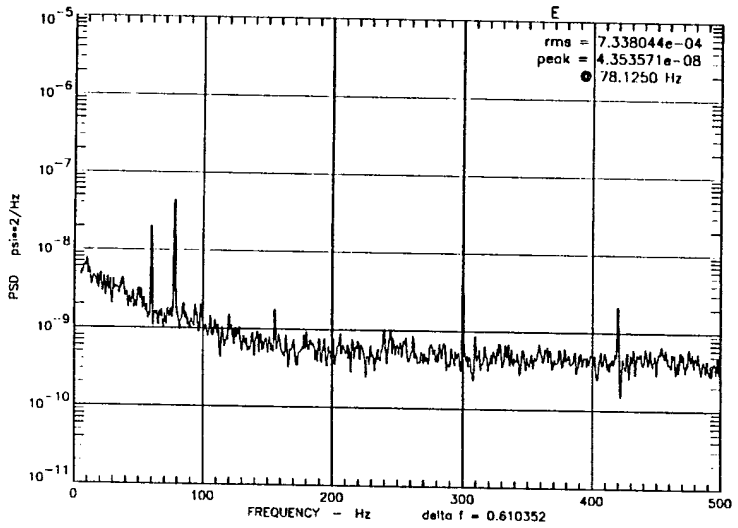

F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0
A
rms = 1.296431e-03
peak = 6.707305e-08
@ 78.1250 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0
C
rms = 9.110710e-04
peak = 1.195471e-07
@ 78.1250 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

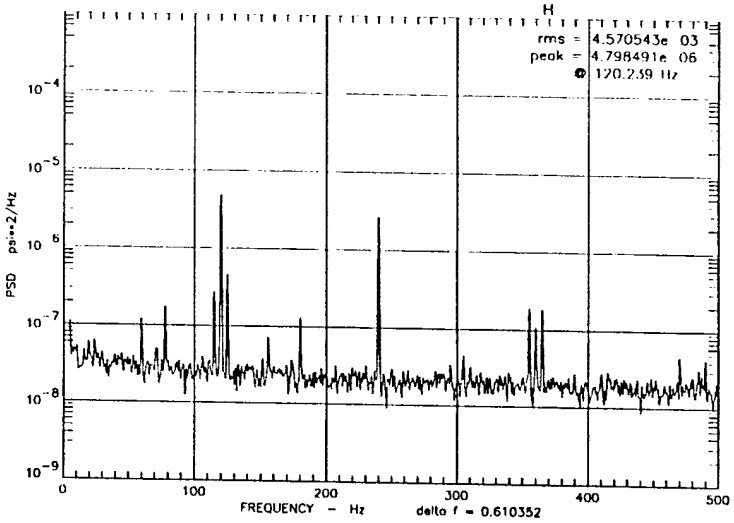
F 15 TPN 3261: q=30 alpha=8 beta=4 bp=0



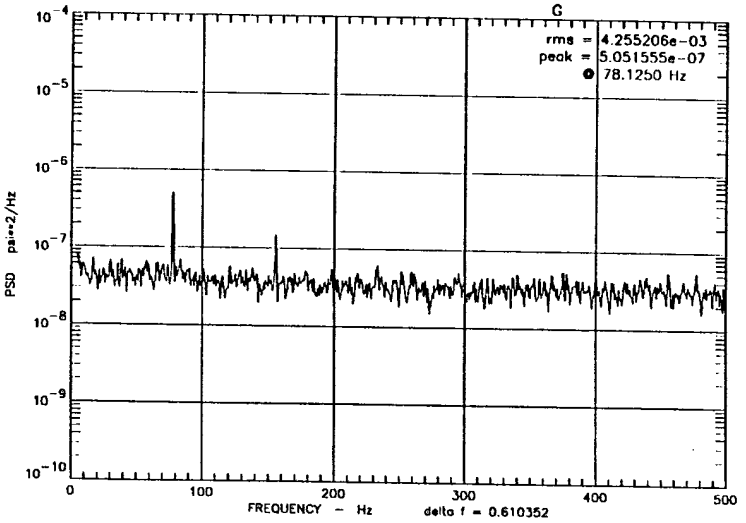
F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0



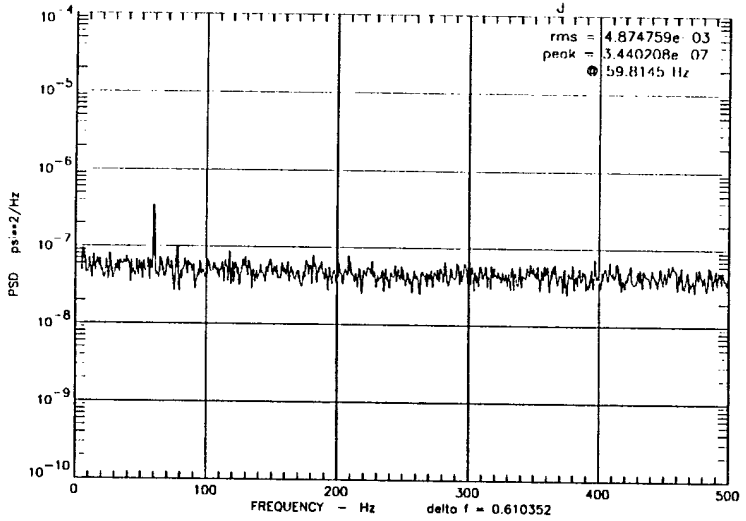
F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0



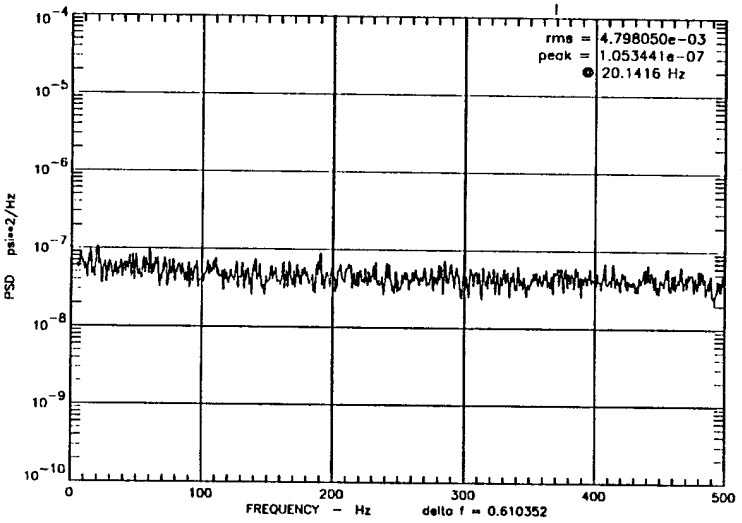
F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0



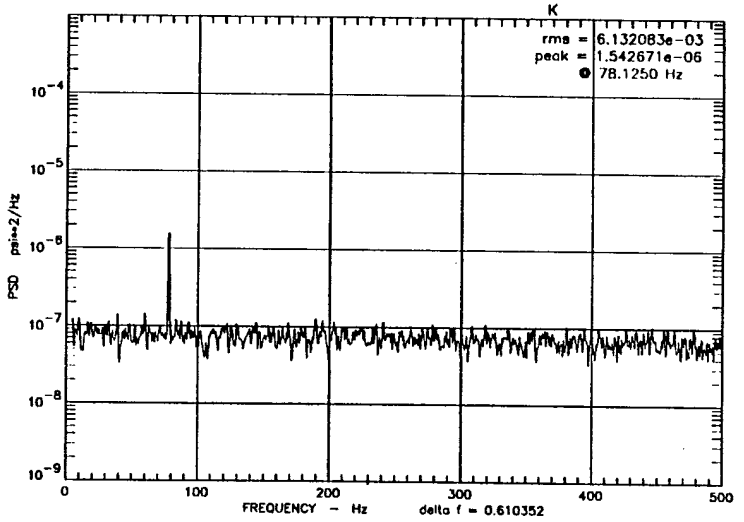
F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0



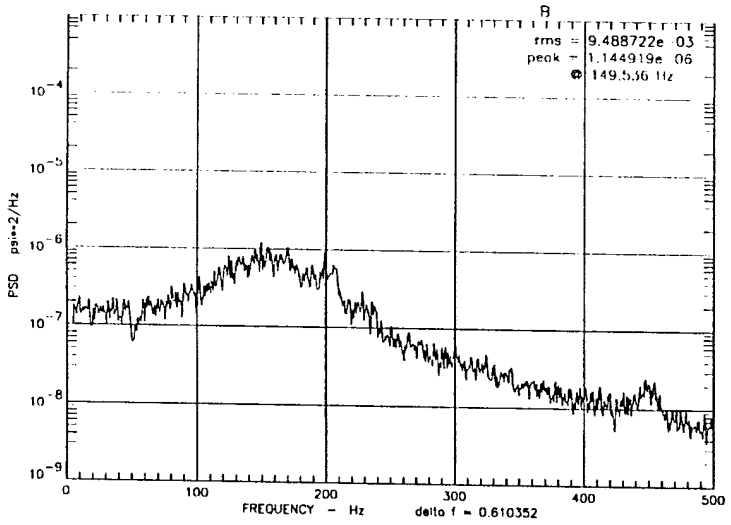
F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0



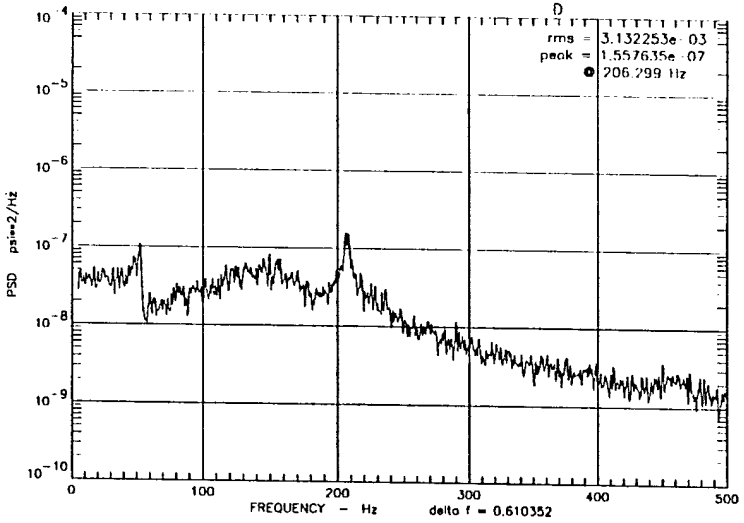
F-15 TPN_3261: q=30 alpha=8 beta=4 bp=0



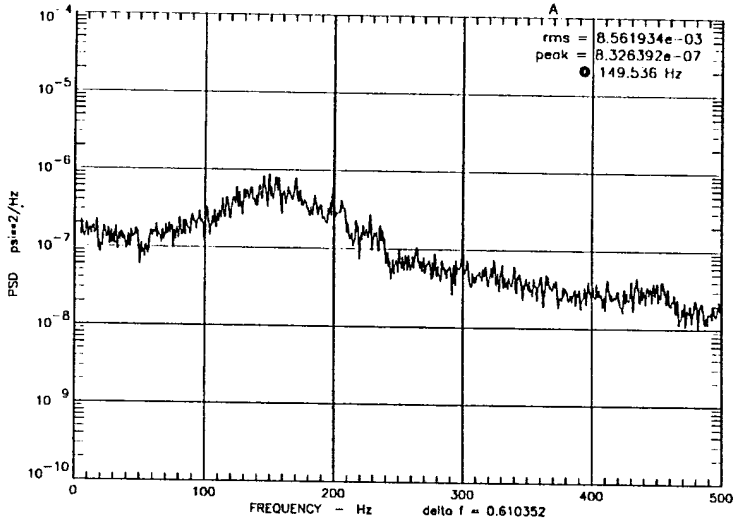
F 15 TPN 3267: q=30 alpha=20 beta=4 bp=0



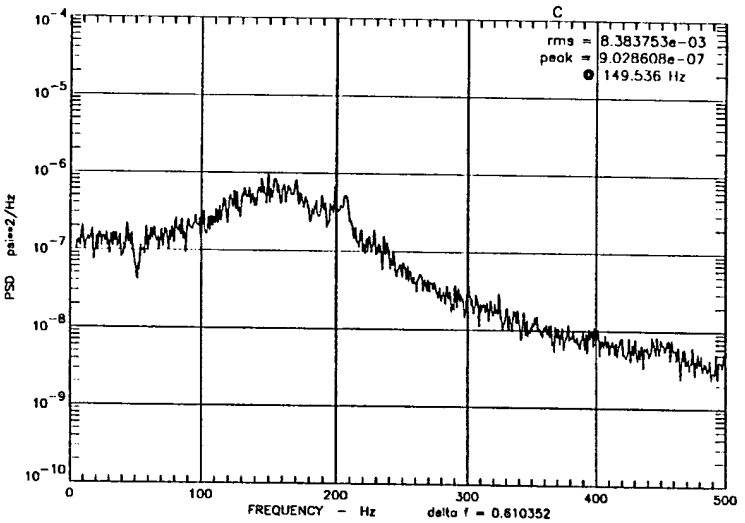
F-15 TPN 3267: q=30 alpha=20 beta=4 bp=0



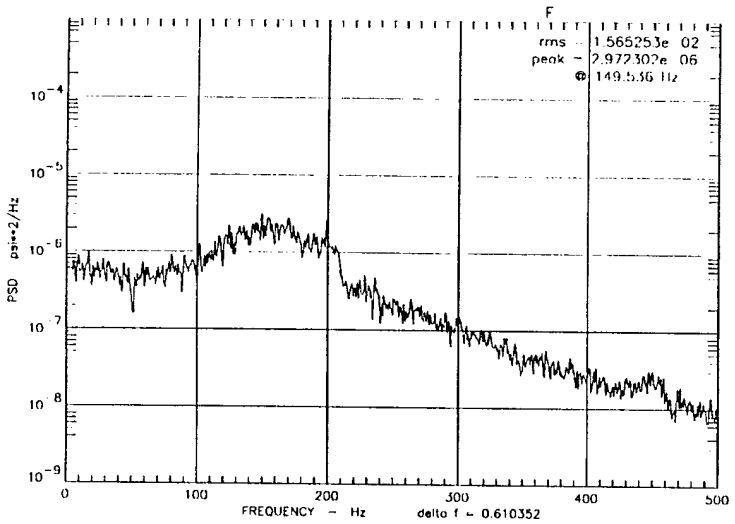
F-15 TPN_3267: q=30 alpha=20 beta=4 bp=0



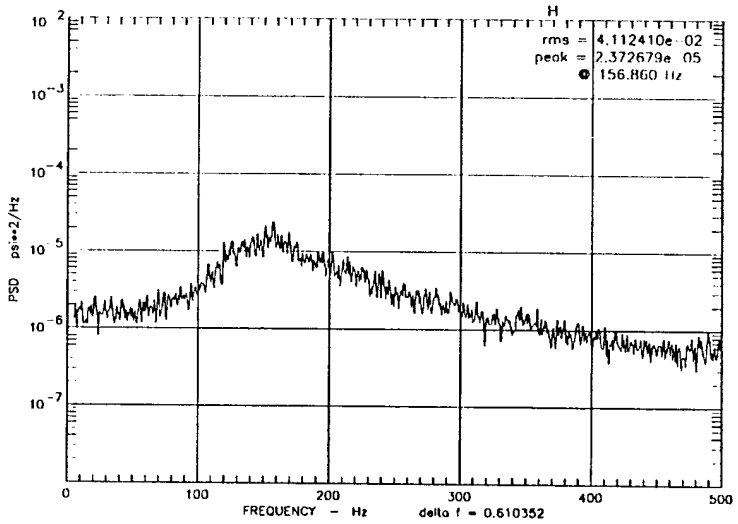
F-15 TPN_3267: q=30 alpha=20 beta=4 bp=0



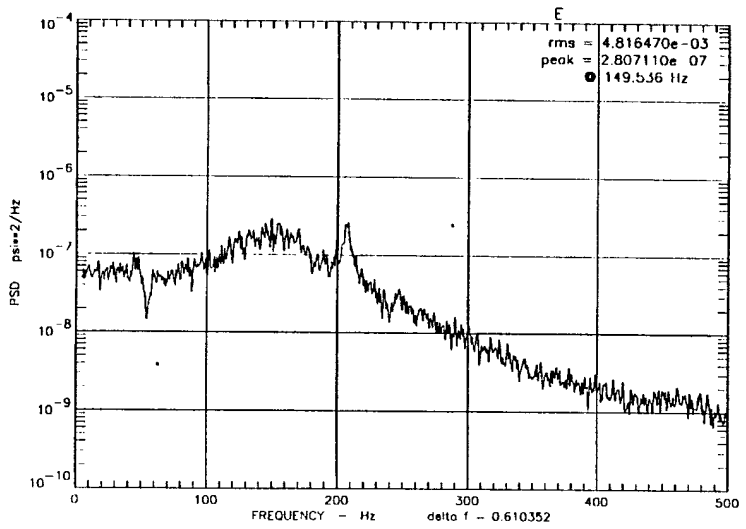
F-15 TPN_3267: q=30 alpha=20 beta=4 bp=0



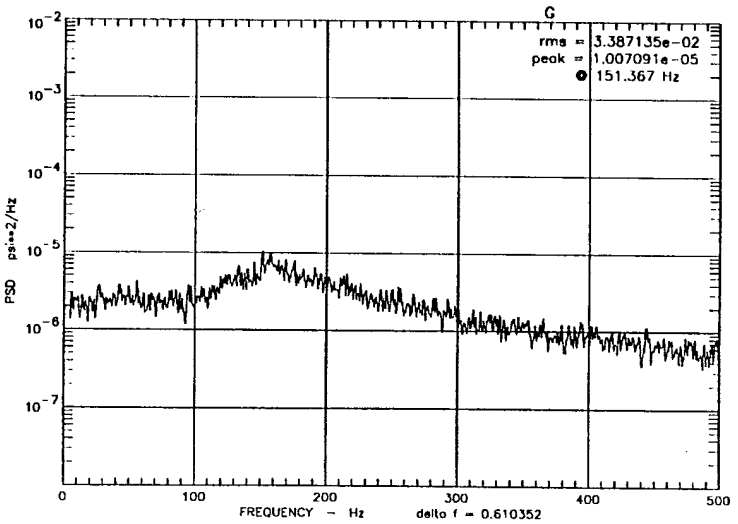
F-15 TPN_3267: q=30 alpha=20 beta=4 bp=0



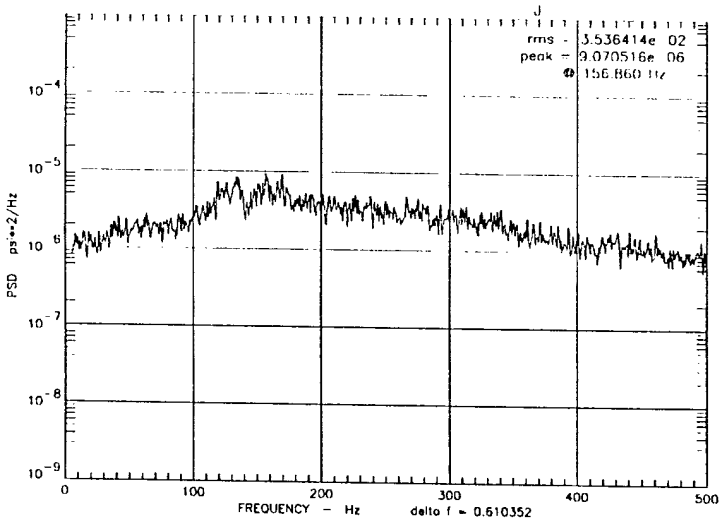
F-15 TPN_3267: q=30 alpha=20 beta=4 bp=0



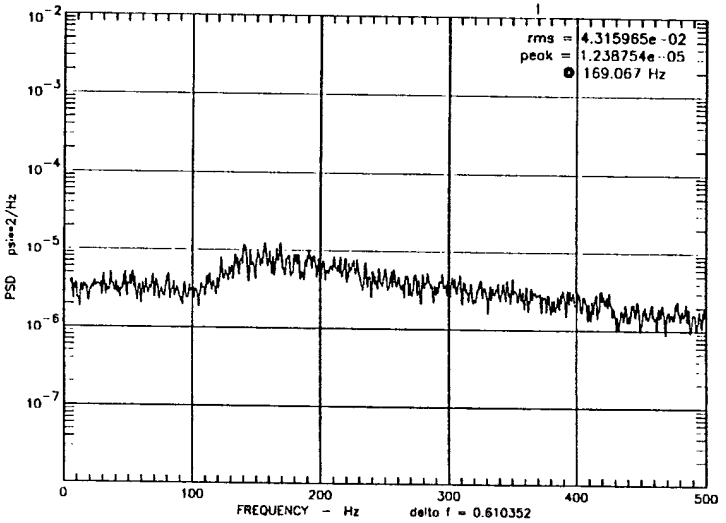
F-15 TPN_3267: q=30 alpha=20 beta=4 bp=0



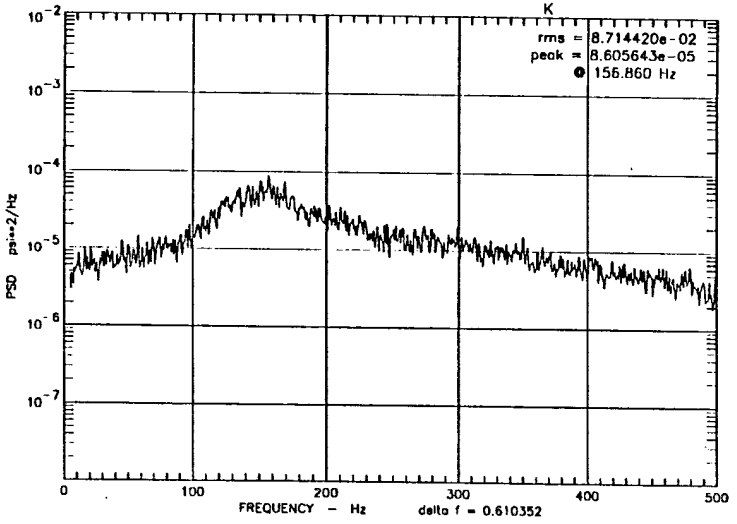
F 15 TPN 3267: q=30 alpha=20 beta=4 bp=0

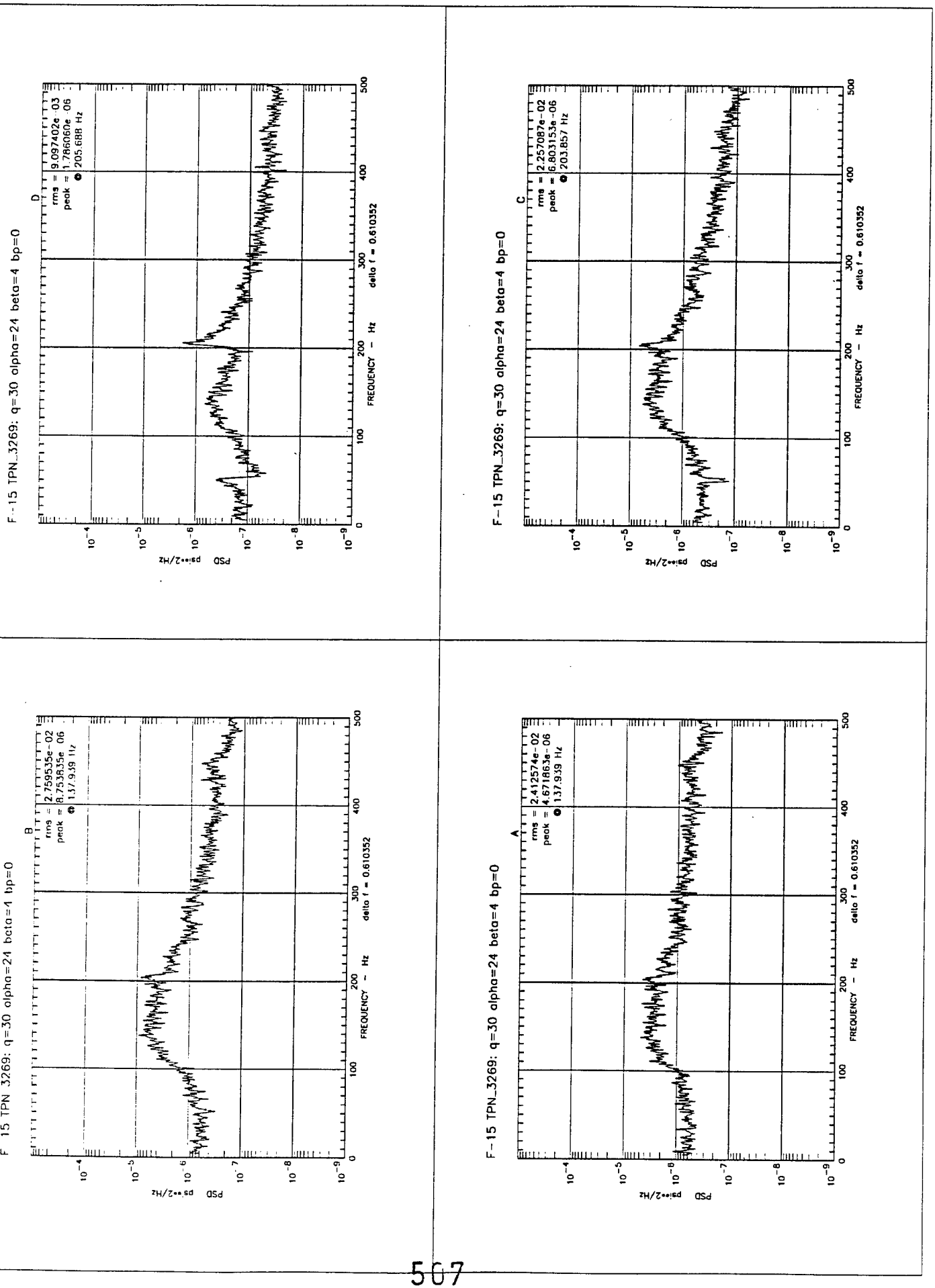


F-15 TPN_3267: q=30 alpha=20 beta=4 bp=0

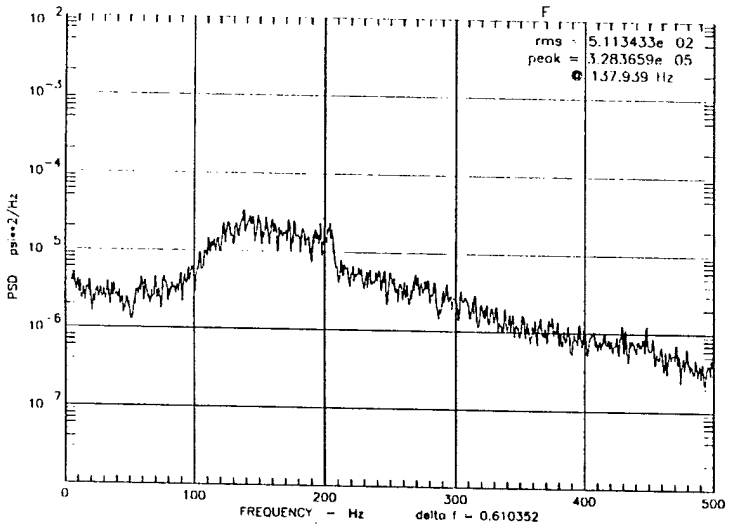


F-15 TPN_3267: q=30 alpha=20 beta=4 bp=0

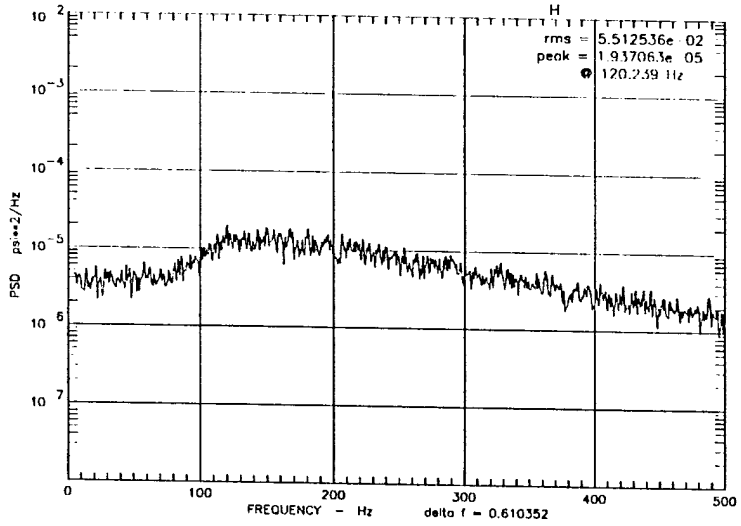



F-15 TPN_3269: q=30 alpha=24 beta=4 bp=0
D
rms = 9.097402e-03
peak = 1.786069e-06
@ 205.688 Hz
C
rms = 2.257087e-02
peak = 6.803153e-06
@ 203.857 Hz
B
rms = 2.759535e-02
peak = 8.753835e-06
@ 137.939 Hz
A
rms = 2.412574e-02
peak = 4.671863e-06
@ 137.939 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

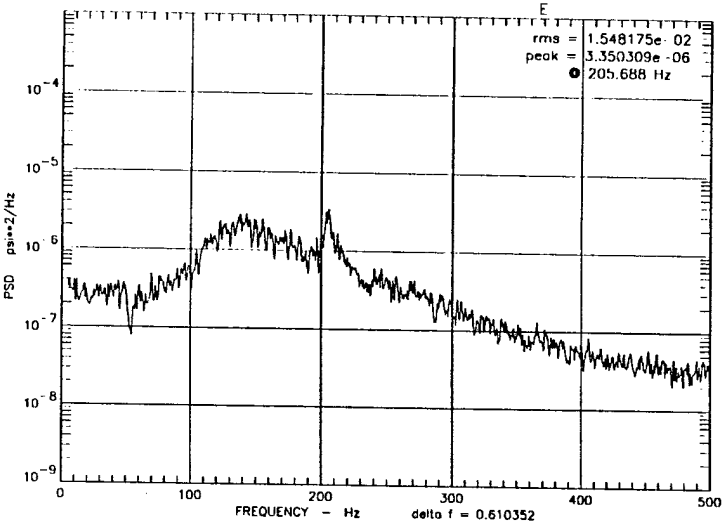
F 15 TPN 3269: q=30 alpha=24 beta=4 bp=0



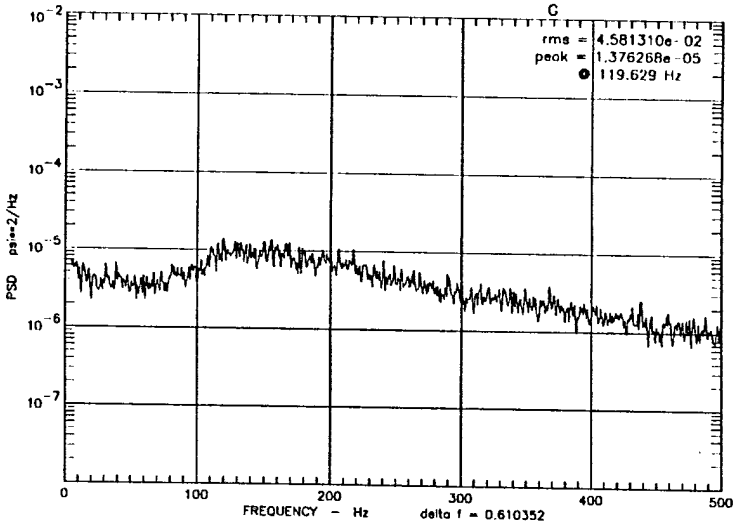
F-15 TPN 3269: q=30 alpha=24 beta=4 bp=0



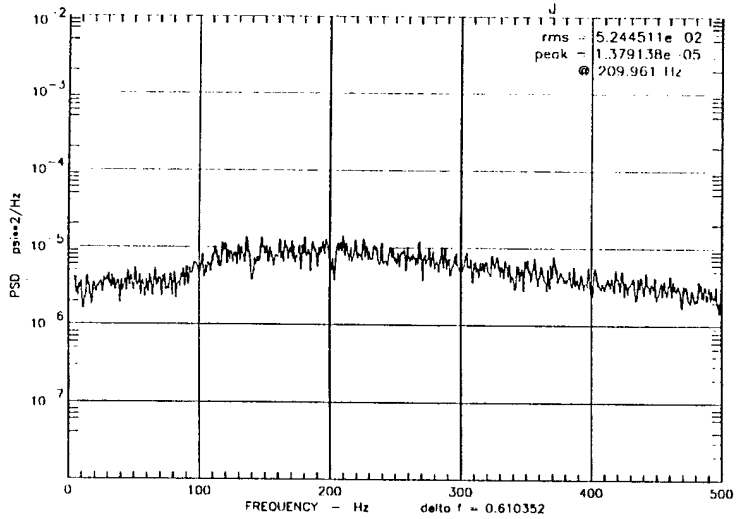
F 15 TPN 3269: q=30 alpha=24 beta=4 bp=0



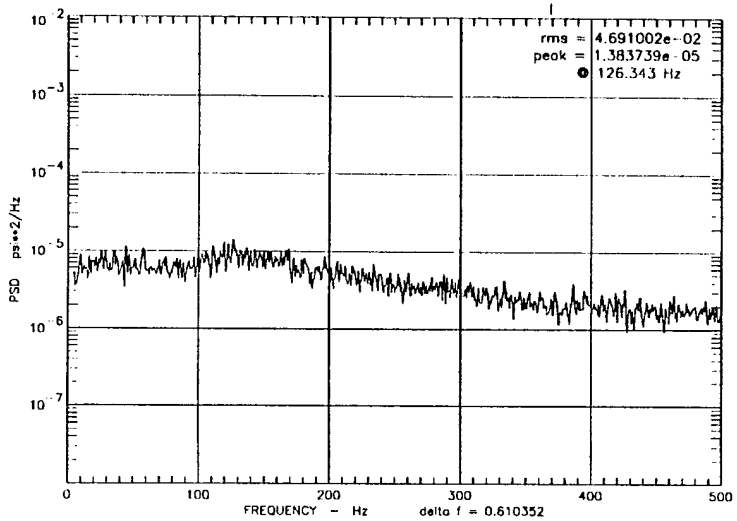
F-15 TPN_3269: q=30 alpha=24 beta=4 bp=0



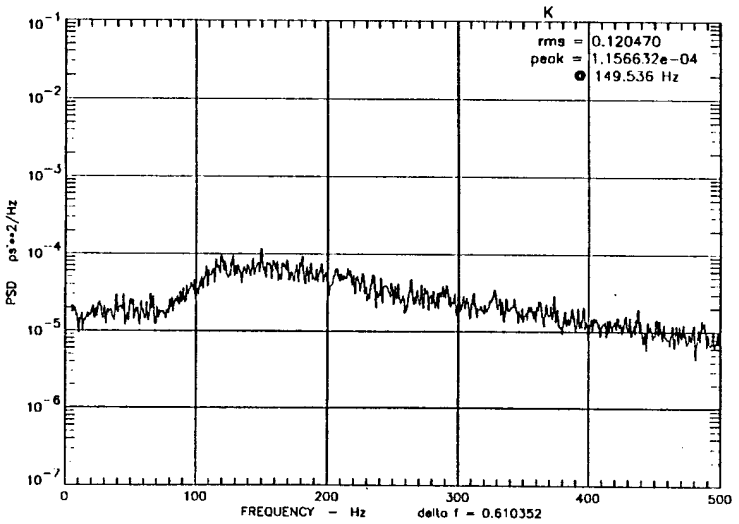
F- 15 TPN .3269: q=30 alpha=24 beta=4 bp=0



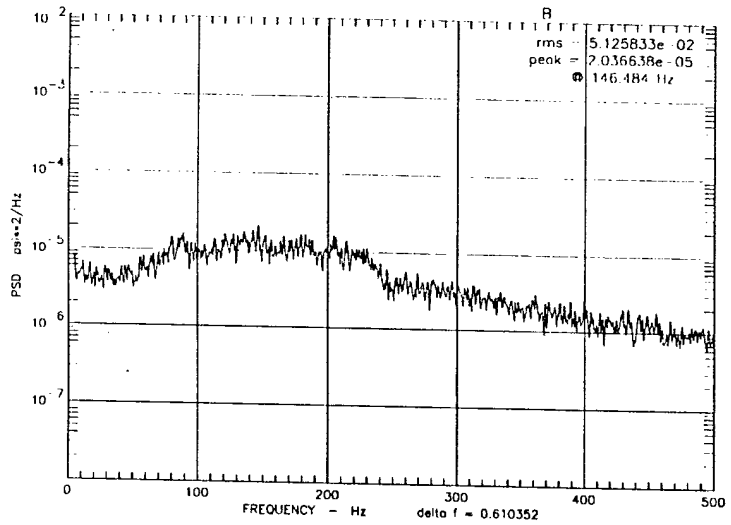
F-15 TPN_3269: q=30 alpha=24 beta=4 bp=0



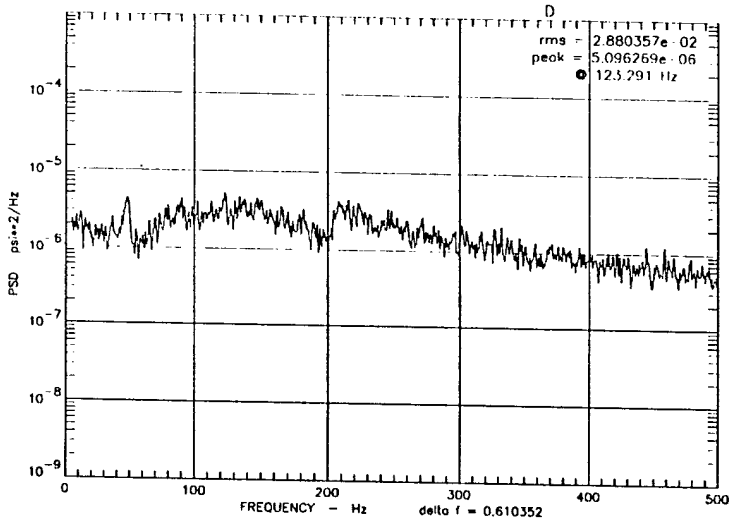
F-15 TPN_3269: q=30 alpha=24 beta=4 bp=0



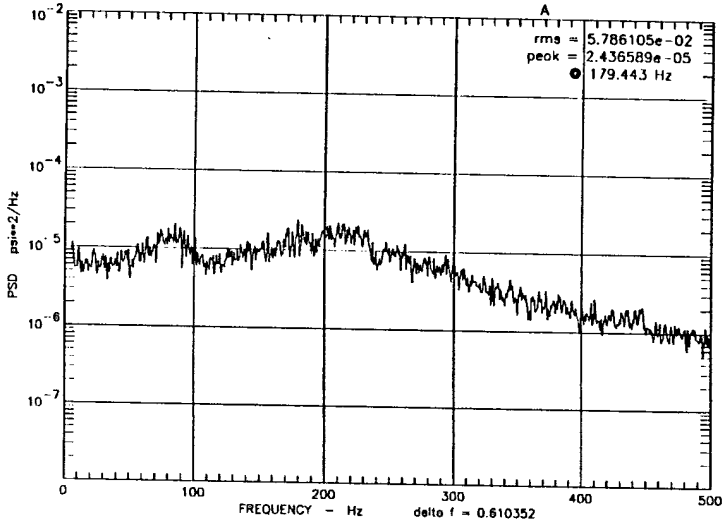
F-15 TPN_3271: q=30 alpha=32 beta=4 bp=0



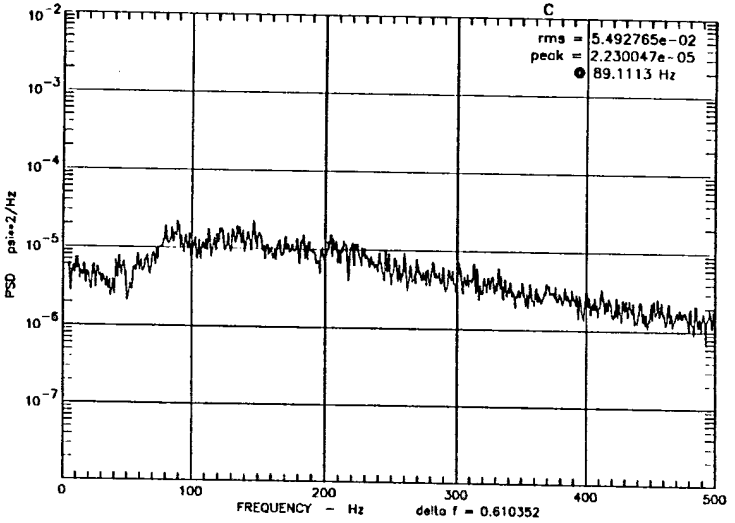
F-15 TPN_3271: q=30 alpha=32 beta=4 bp=0



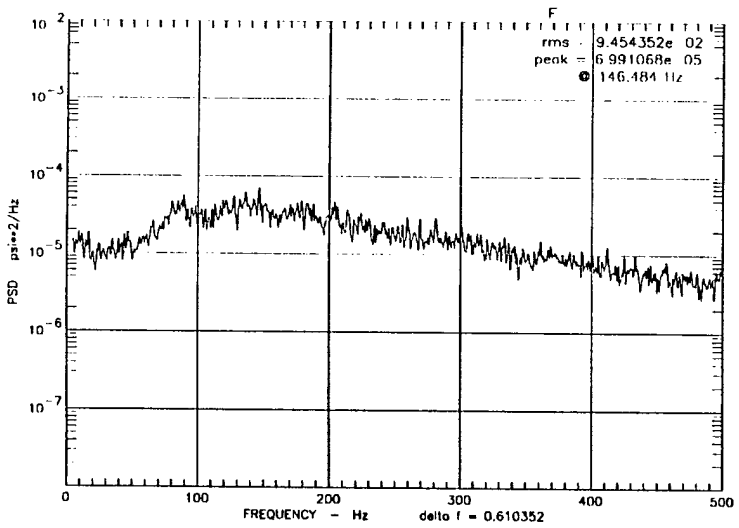
F-15 TPN_3271: q=30 alpha=32 beta=4 bp=0



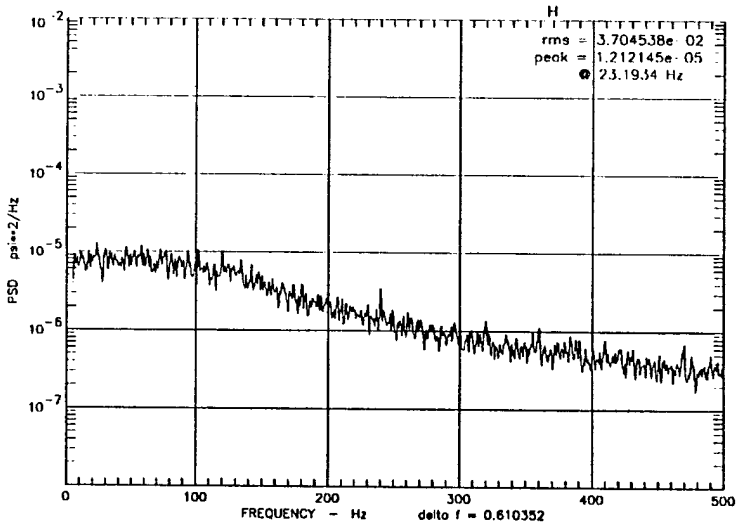
F-15 TPN_3271: q=30 alpha=32 beta=4 bp=0



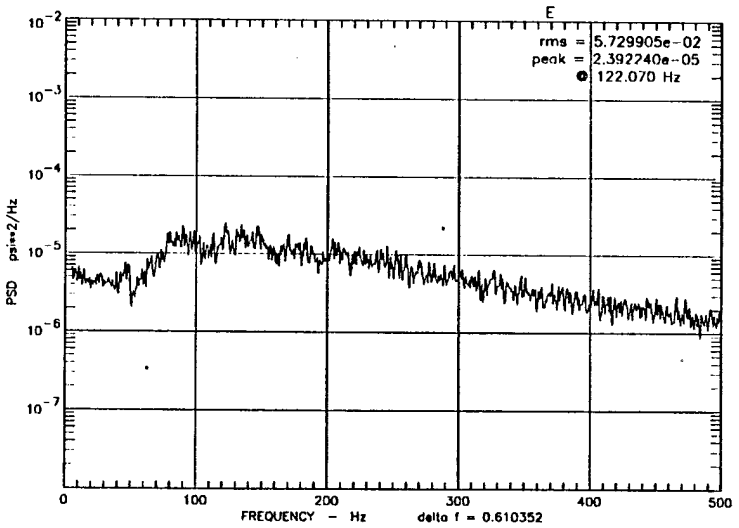
F-15 TPN_3271: q=30 alpha=32 beta=4 bp=0



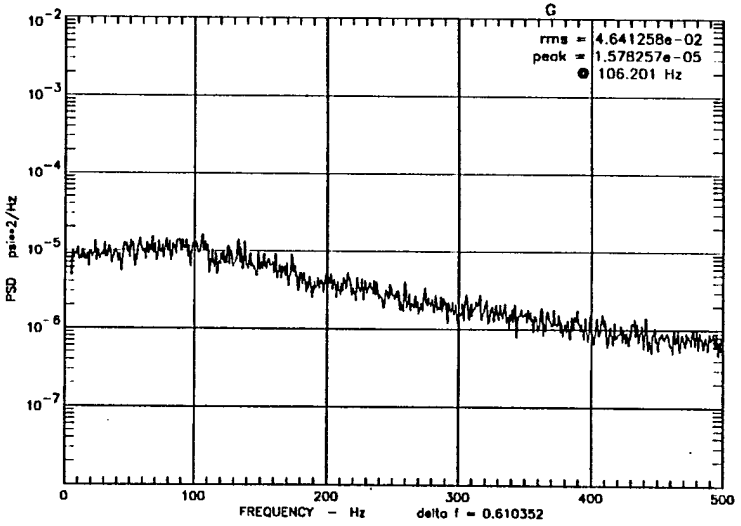
F-15 TPN_3271: q=30 alpha=32 beta=4 bp=0



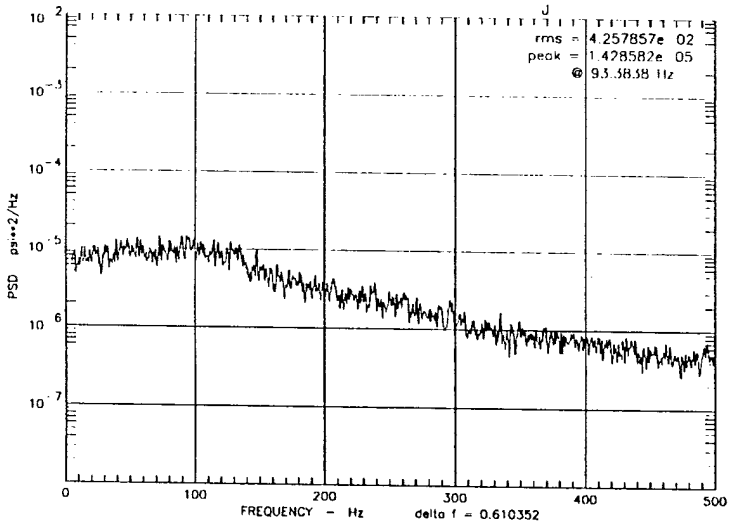
F-15 TPN_3271: q=30 alpha=32 beta=4 bp=0



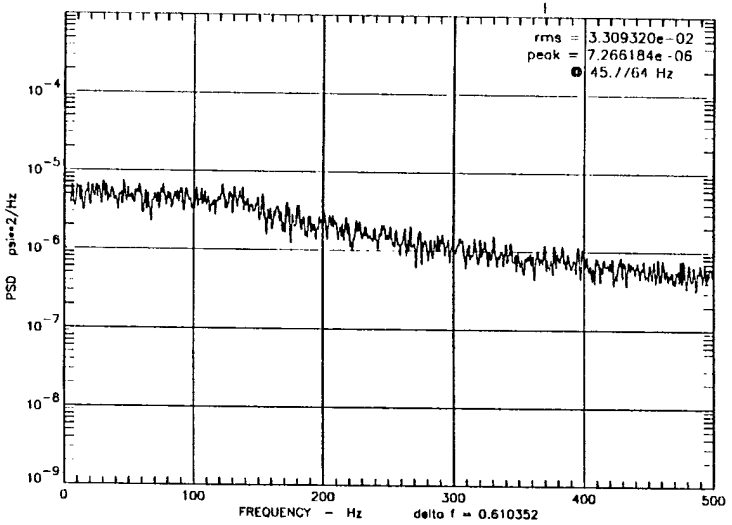
F-15 TPN_3271: q=30 alpha=32 beta=4 bp=0



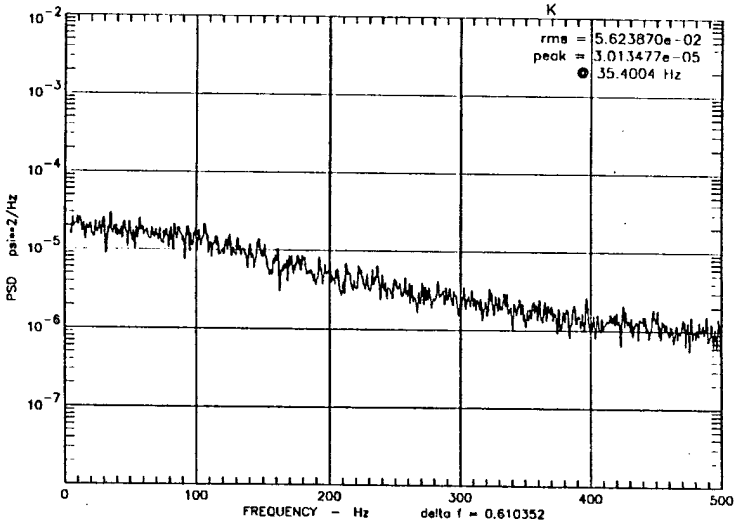
F 15 TPN .3271: q=30 alpha=32 beta=4 bp=0

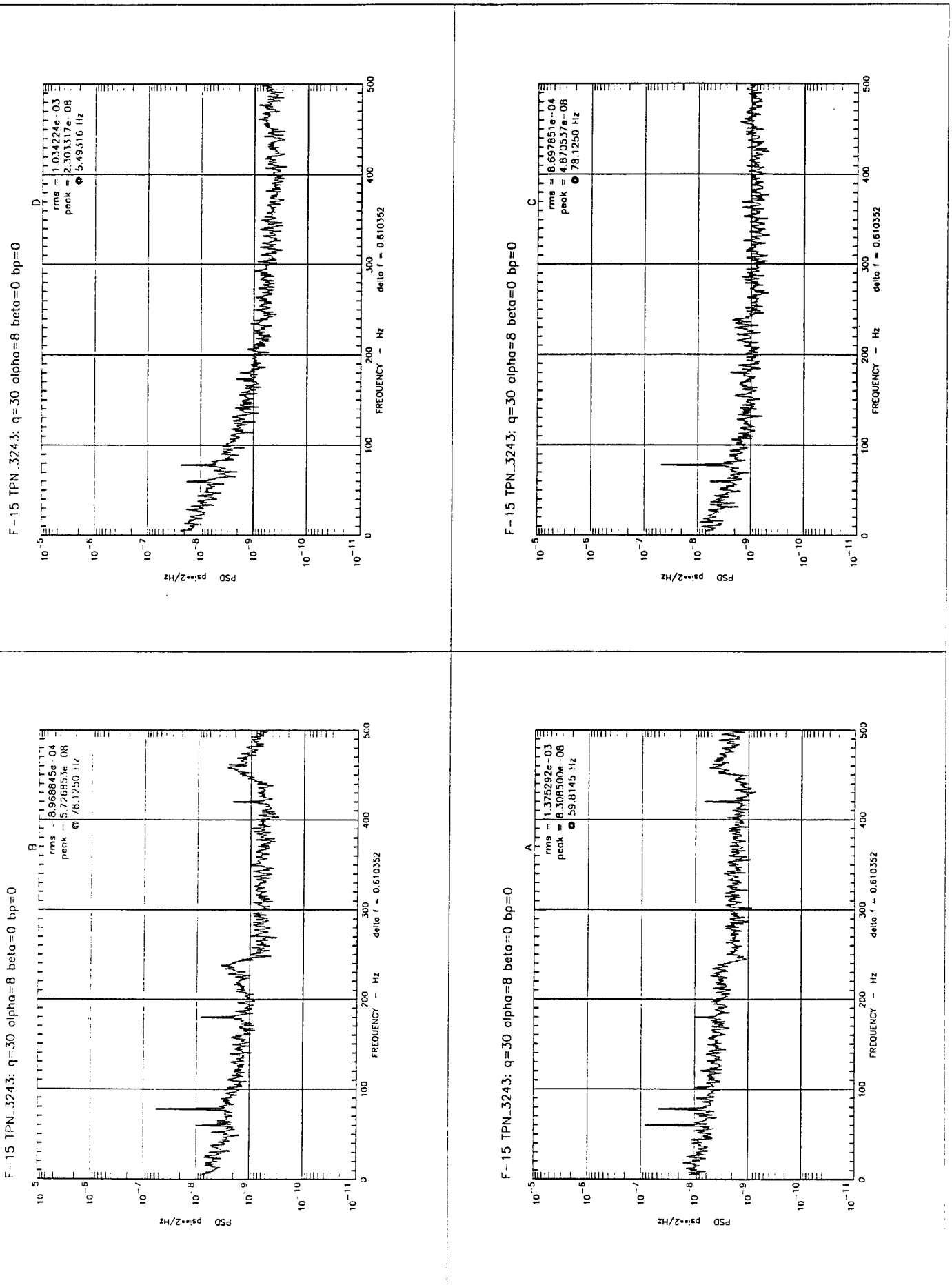


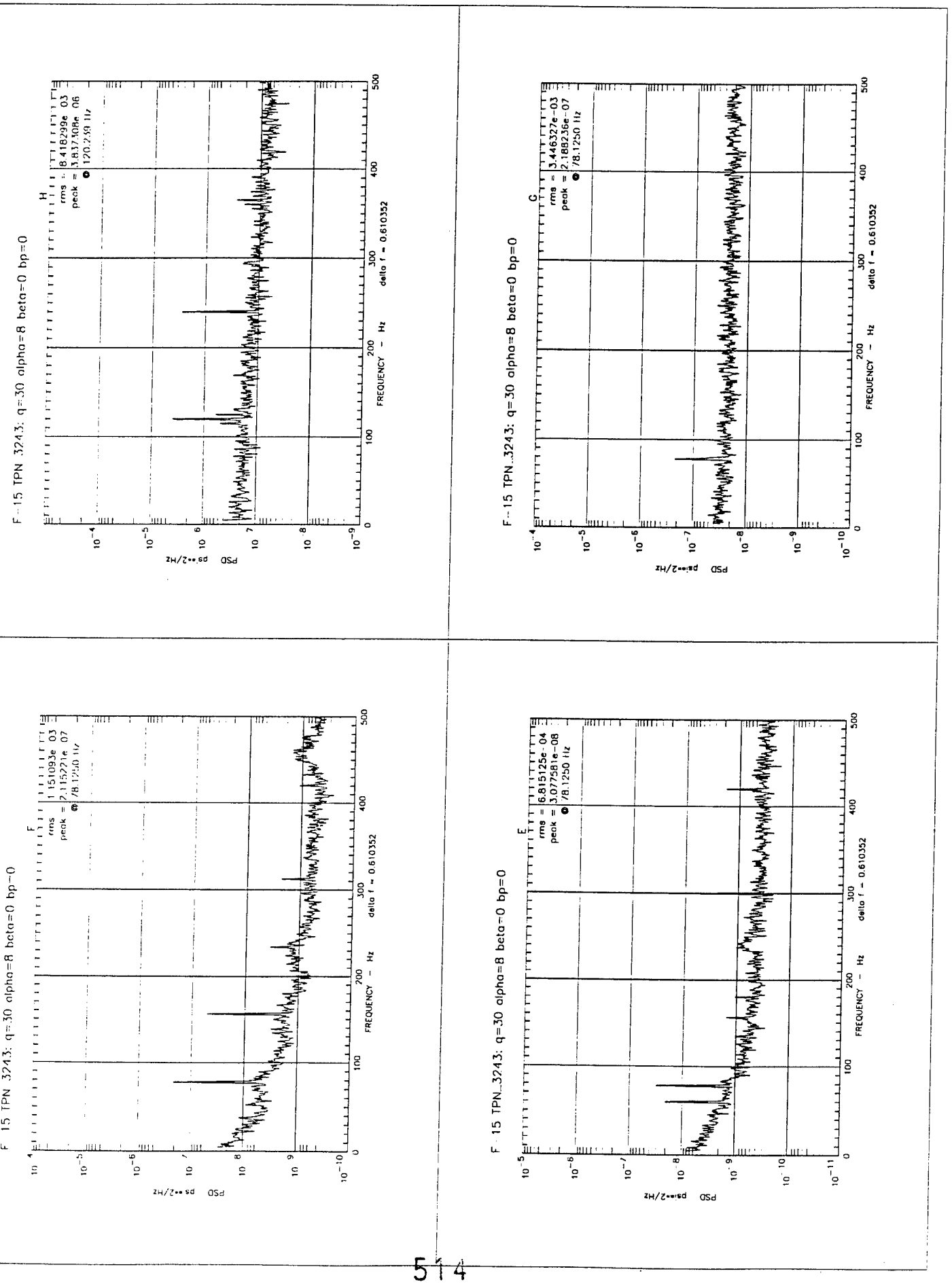
F 15 TPN .3271: q=30 alpha=32 beta=4 bp=0



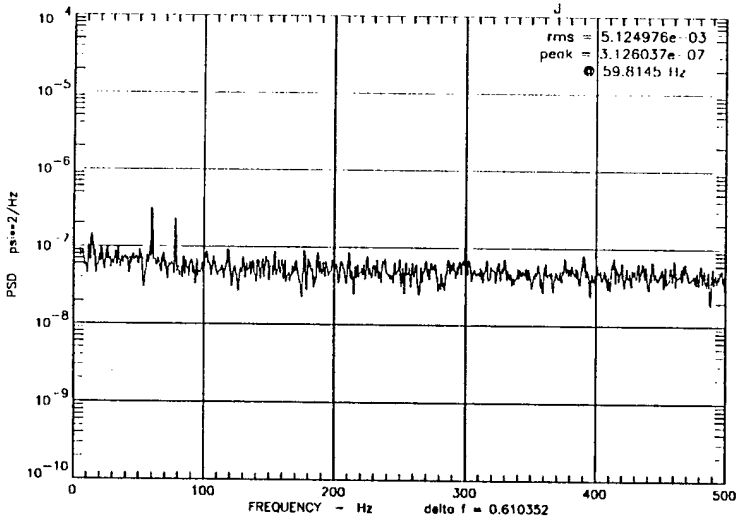
F-15 TPN .3271: q=30 alpha=32 beta=4 bp=0



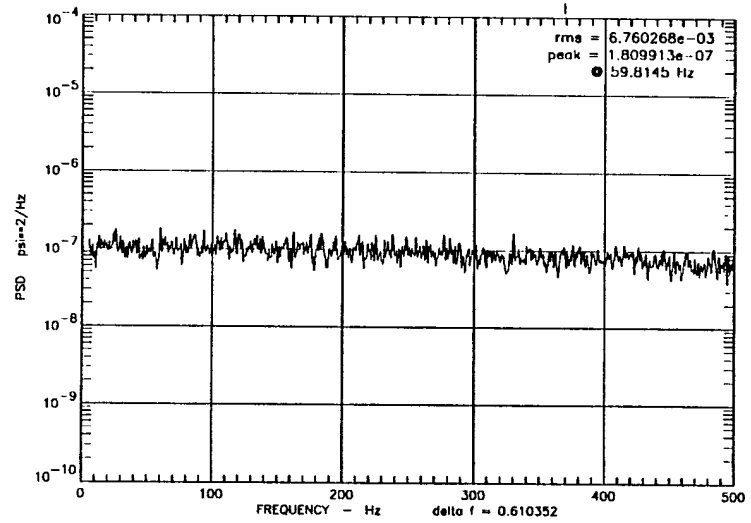

F-15 TPN_3243: q=30 alpha=8 beta=0 bp=0
D
rms = 1.034224e-03
peak = 2.303317e-08
@ 5.493164 Hz
F-15 TPN_3243: q=30 alpha=8 beta=0 bp=0
C
rms = 8.697851e-04
peak = 4.870537e-08
@ 78.12500 Hz
F-15 TPN_3243: q=30 alpha=8 beta=0 bp=0
B
rms = 8.968845e-04
peak = 5.726853e-08
@ 78.12500 Hz
F-15 TPN_3243: q=30 alpha=8 beta=0 bp=0
A
rms = 1.375292e-03
peak = 8.308500e-08
@ 59.81445 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN 3243: q=30 alpha=8 beta=0 bp=0
H
rms = 8.418299e-03
peak = 3.837508e-06
@ 120.2539 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN 3243: q=30 alpha=8 beta=0 bp=0
G
rms = 3.446327e-03
peak = 2.188236e-07
@ 78.1250 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN 3243: q=30 alpha=8 beta=0 bp=0
F
rms = 1.151093e-03
peak = 2.115221e-07
@ 78.1250 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F-15 TPN 3243: q=30 alpha=8 beta=0 bp=0
E
rms = 6.815125e-04
peak = 3.077581e-08
@ 78.1250 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

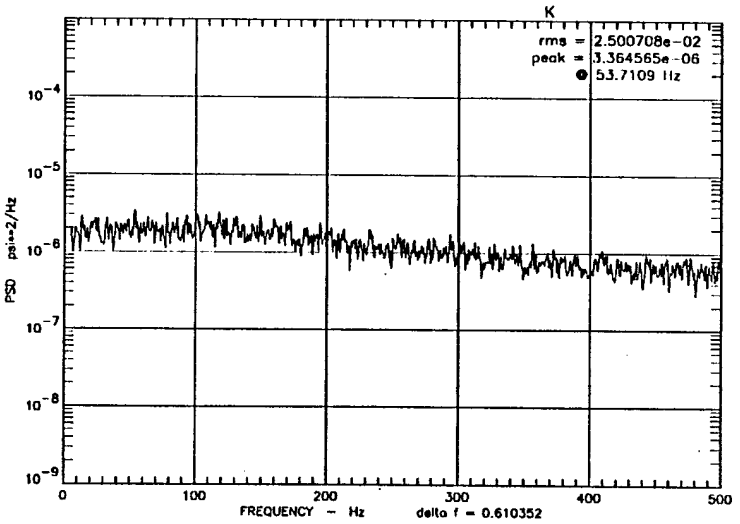
F 15 TPN_3243: q=30 alpha=8 beta=0 bp=0



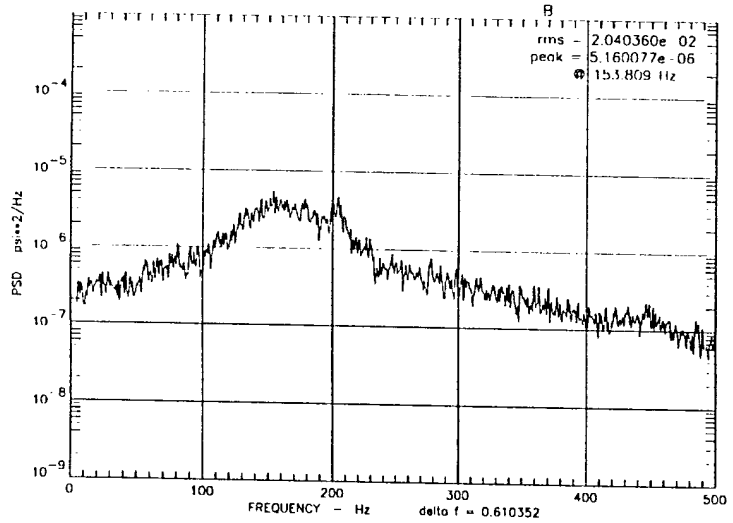
F-15 TPN_3243: q=30 alpha=8 beta=0 bp=0



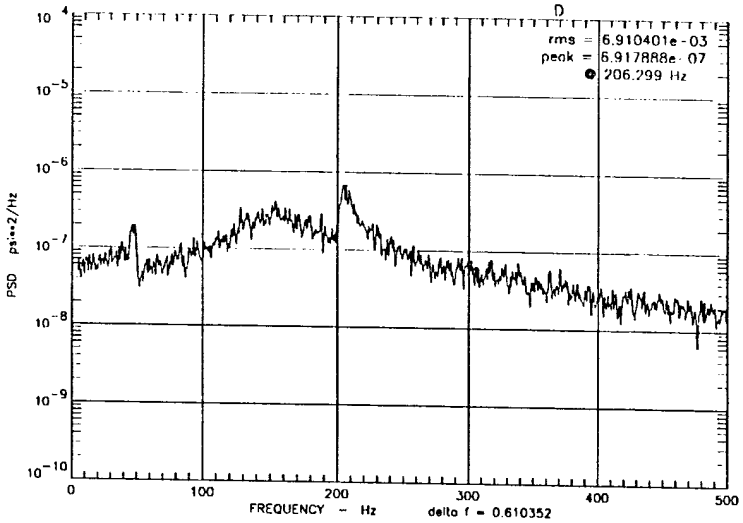
F-15 TPN_3243: q=30 alpha=8 beta=0 bp=0



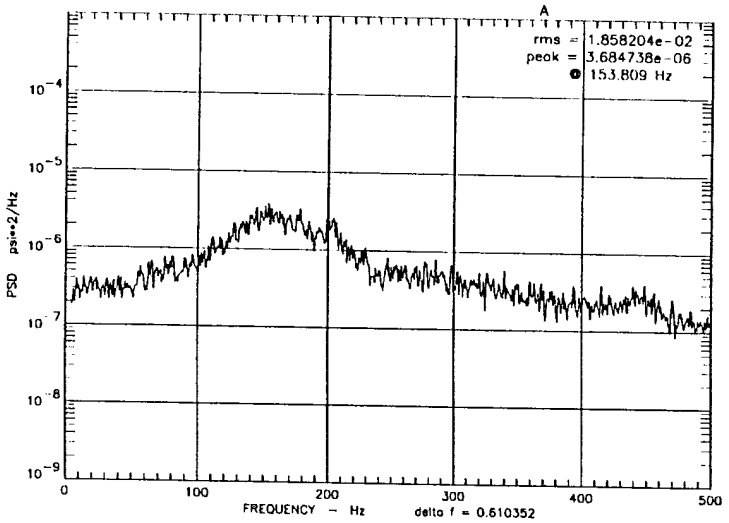
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



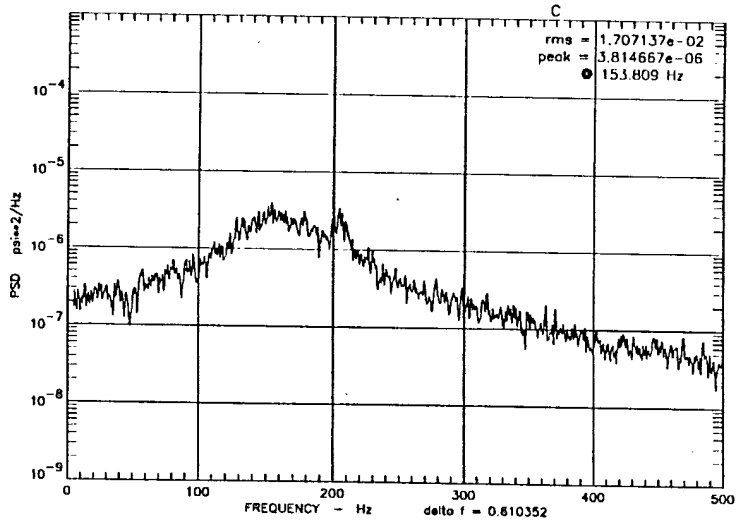
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



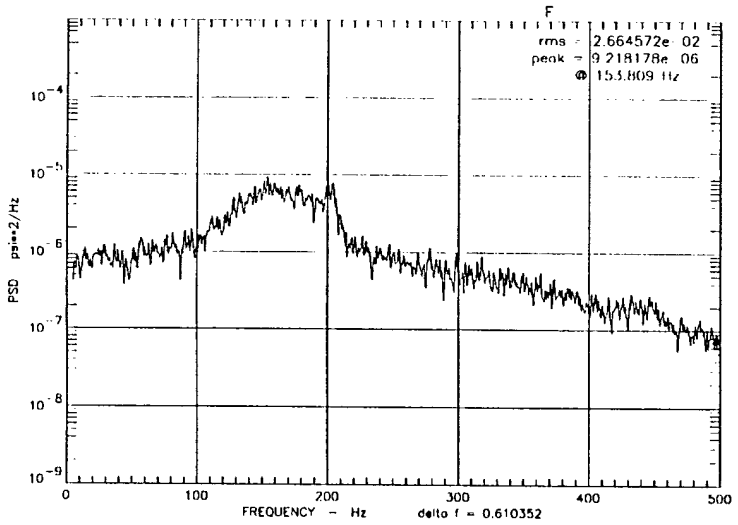
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



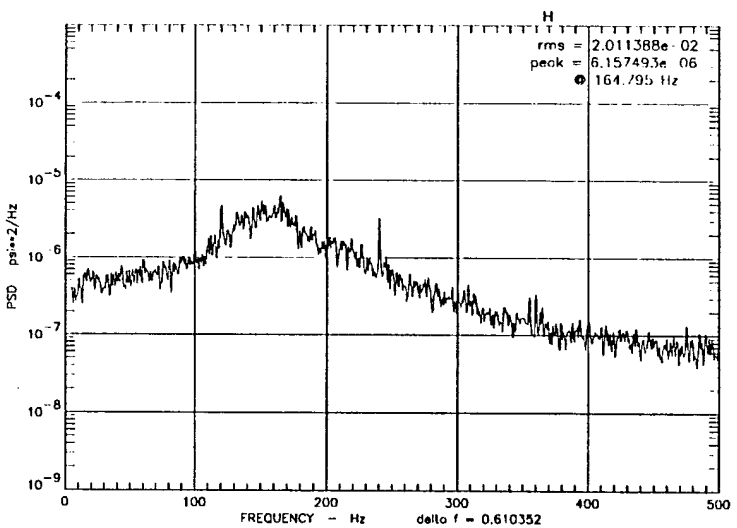
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



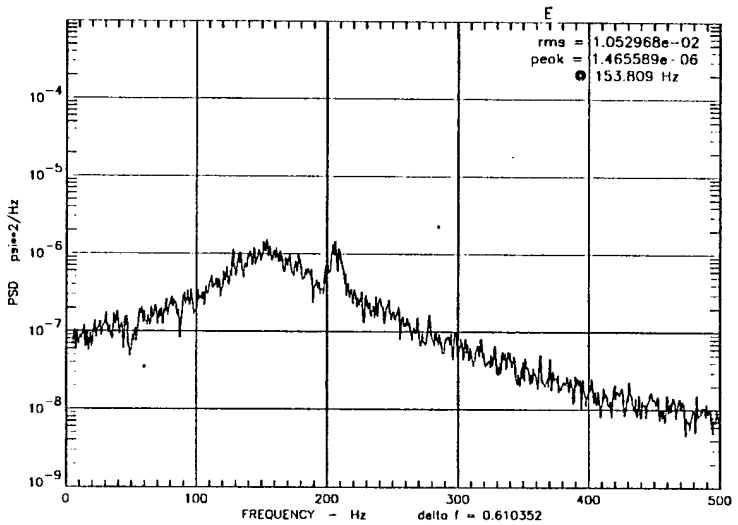
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



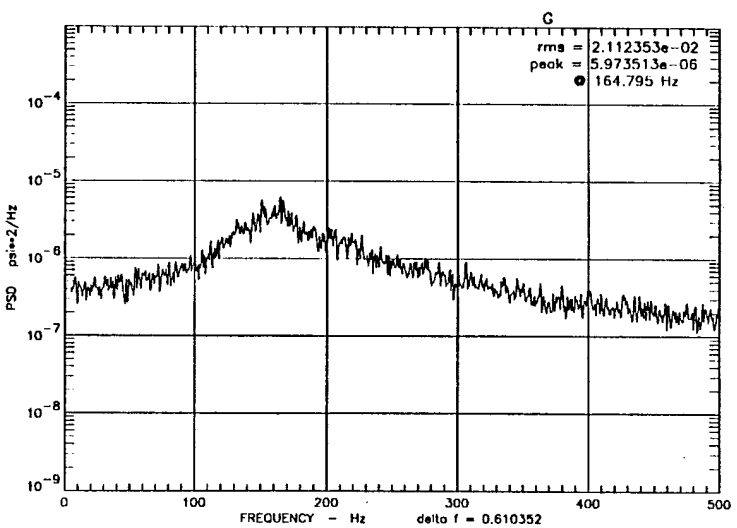
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



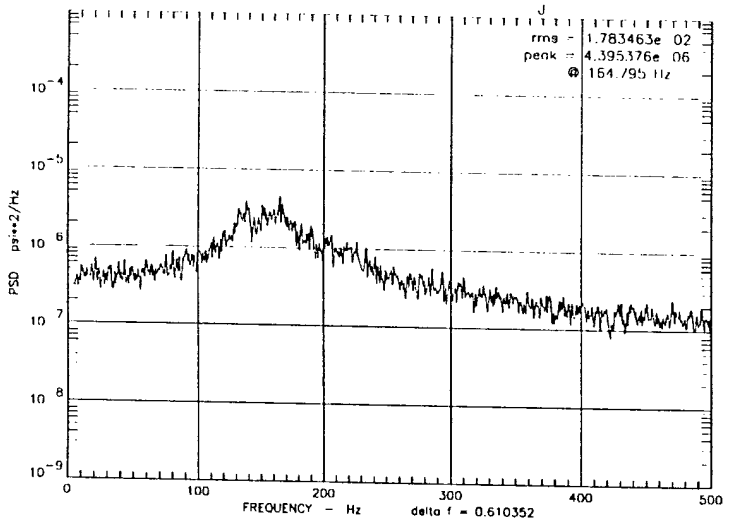
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



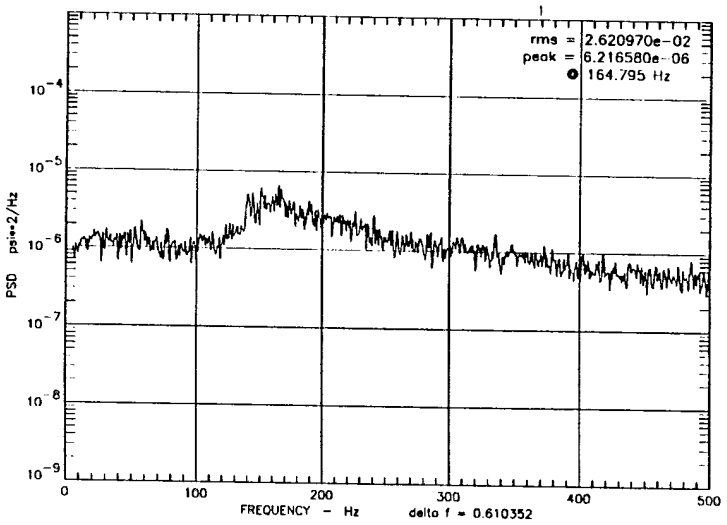
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



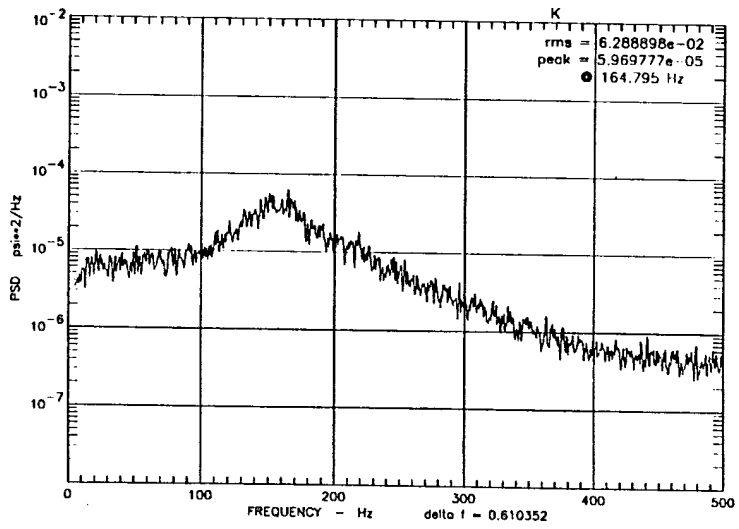
F 15 TPN 3249: q=30 alpha=20 beta=0 bp=0

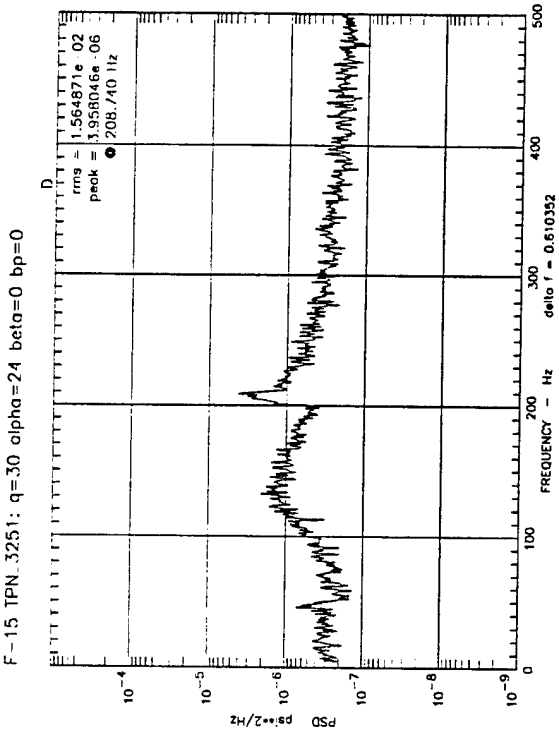


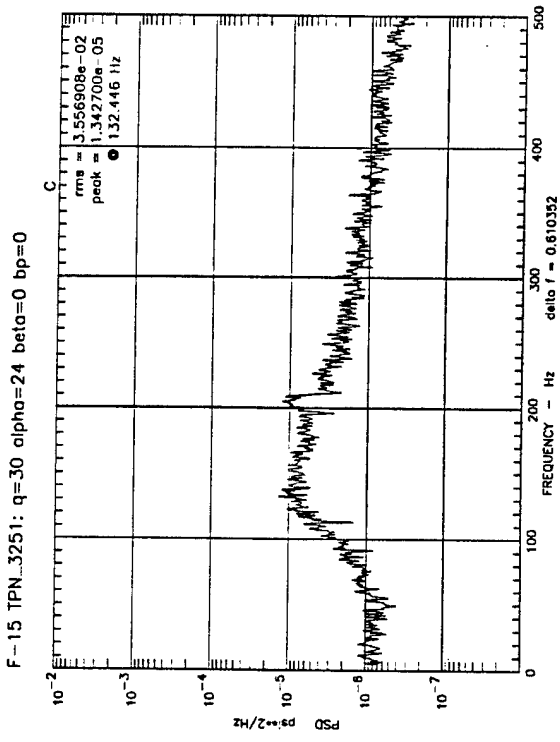
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0

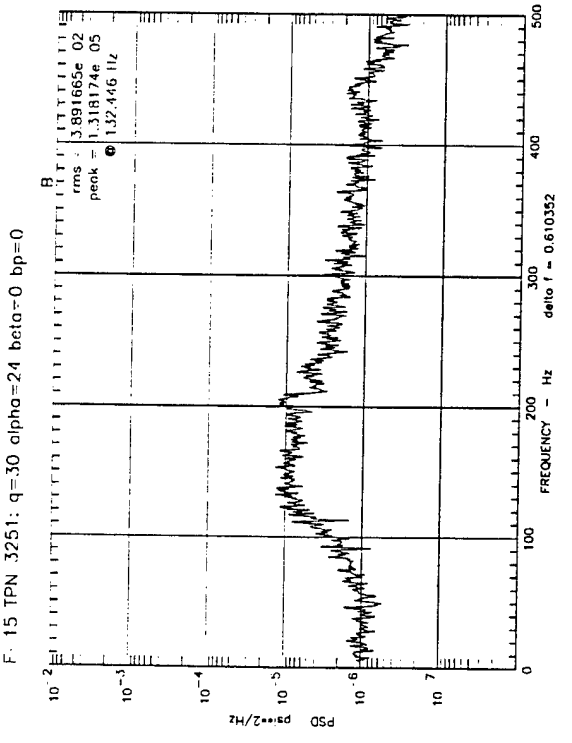


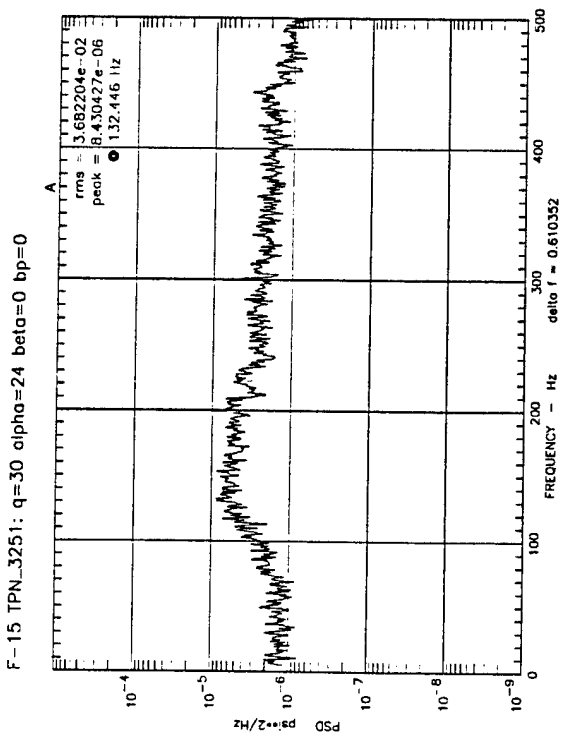
F-15 TPN_3249: q=30 alpha=20 beta=0 bp=0



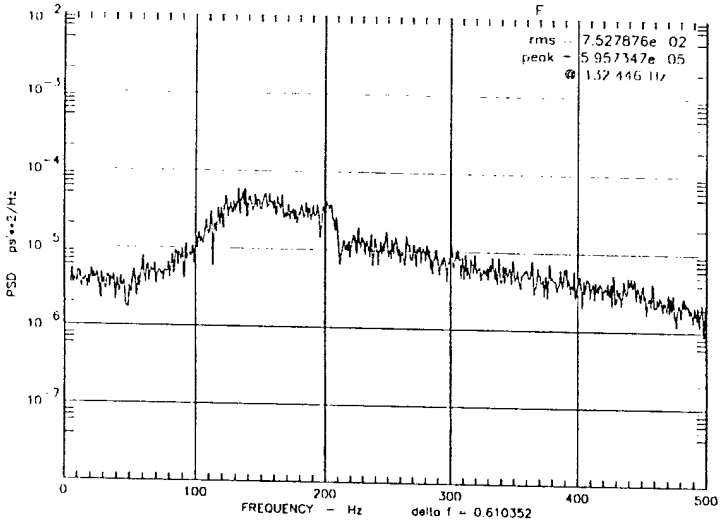

F-15 TPN_3251: q=30 alpha=24 beta=0 bp=0
D
rms = 1.564871e-02
peak = 3.958046e-06
@ 208.740 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3251: q=30 alpha=24 beta=0 bp=0
C
rms = 3.556908e-02
peak = 1.342700e-05
@ 132.446 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

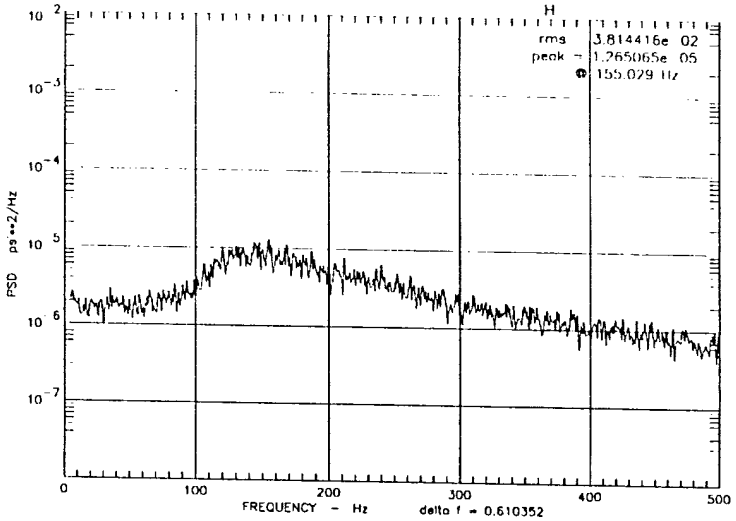

F-15 TPN_3251: q=30 alpha=24 beta=0 bp=0
B
rms = 3.891665e-02
peak = 1.318174e-05
@ 132.446 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3251: q=30 alpha=24 beta=0 bp=0
A
rms = 3.682204e-02
peak = 8.430427e-06
@ 132.446 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

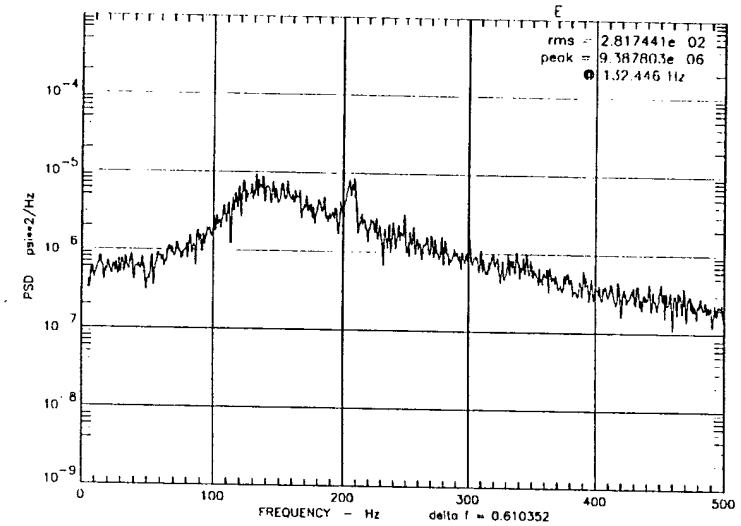
F 15 TPN 3251: q=30 alpha=24 beta=0 bp=0



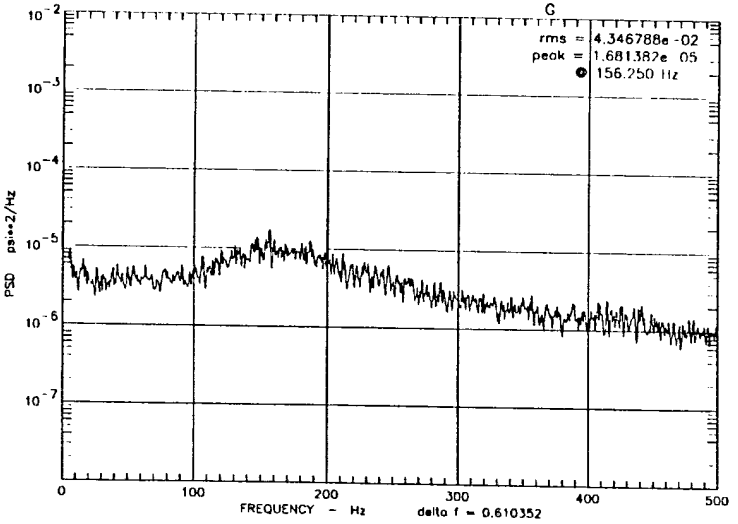
F 15 TPN 3251: q=30 alpha=24 beta=0 bp=0



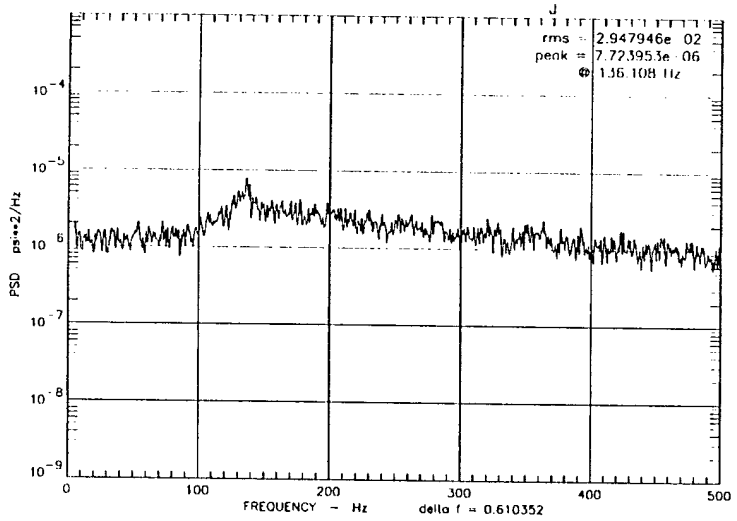
F 15 TPN 3251: q=30 alpha=24 beta=0 bp=0



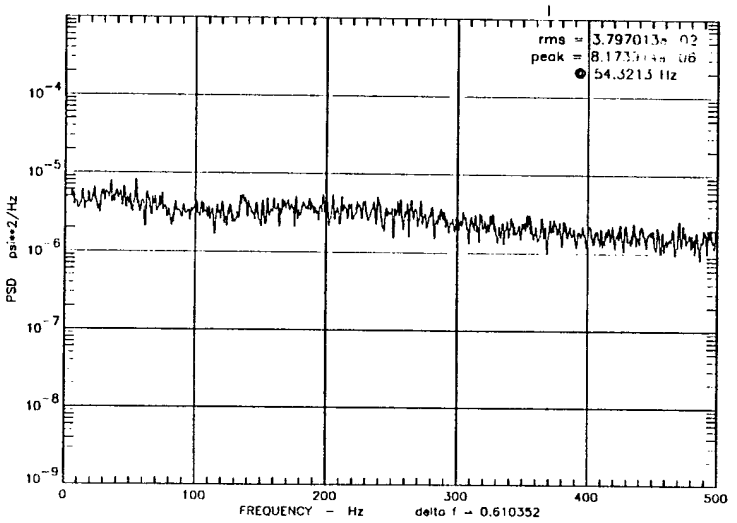
F-15 TPN 3251: q=30 alpha=24 beta=0 bp=0



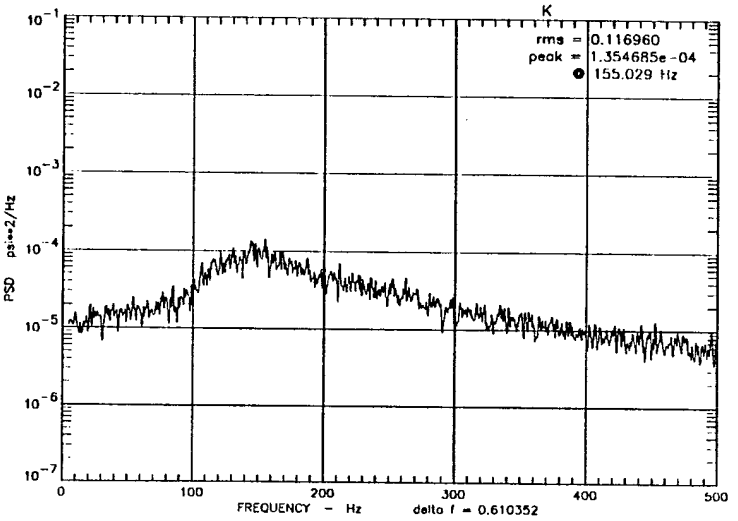
F 15 TPN_3251: q=30 alpha=24 beta=0 bp=0



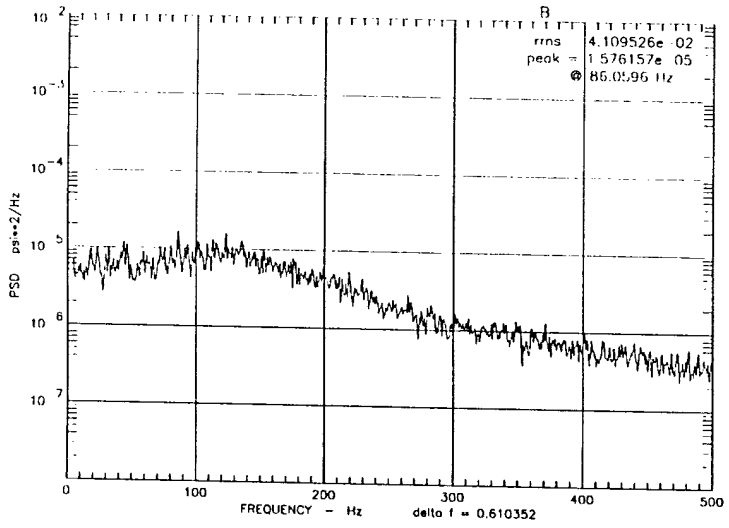
F-15 TPN_3251: q=30 alpha=24 beta=0 bp=0



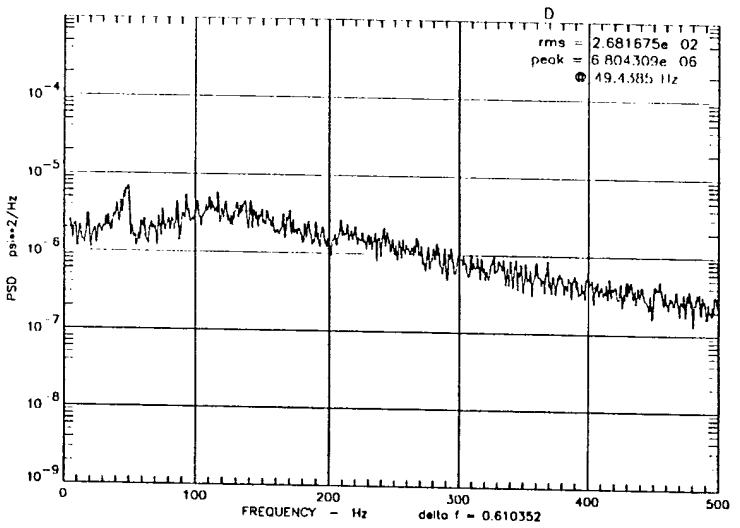
F-15 TPN_3251: q=30 alpha=24 beta=0 bp=0



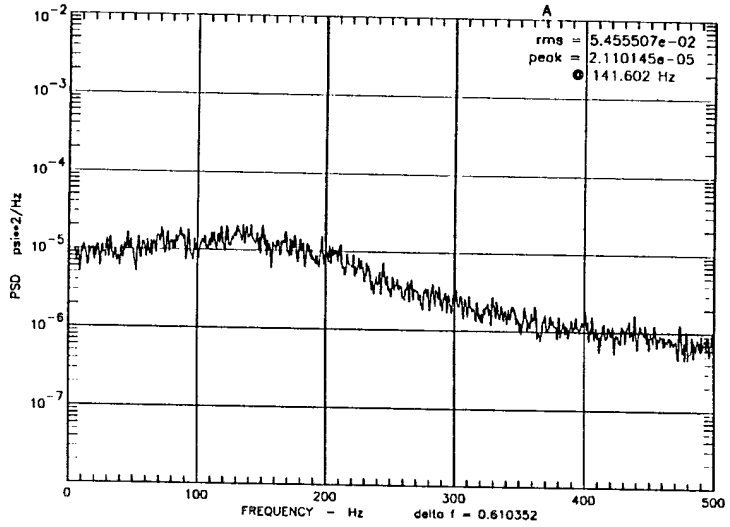
F 15 TPN 3253: q=30 alpha=32 beta=0 bp=0



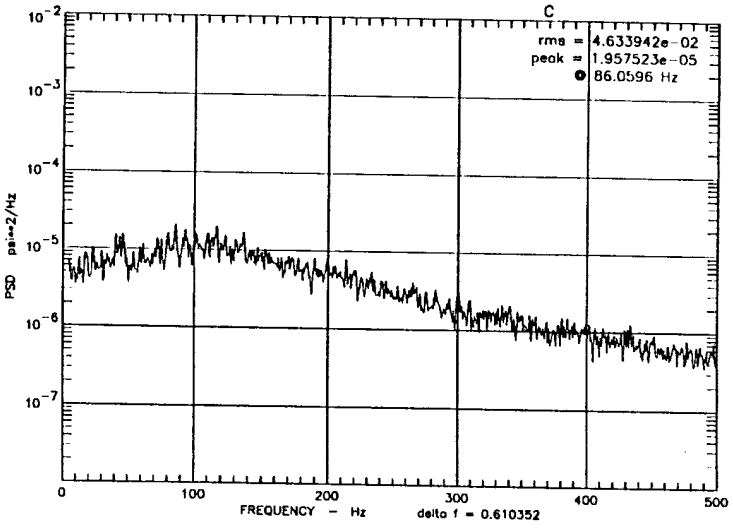
F 15 TPN 3253: q=30 alpha=32 beta=0 bp=0



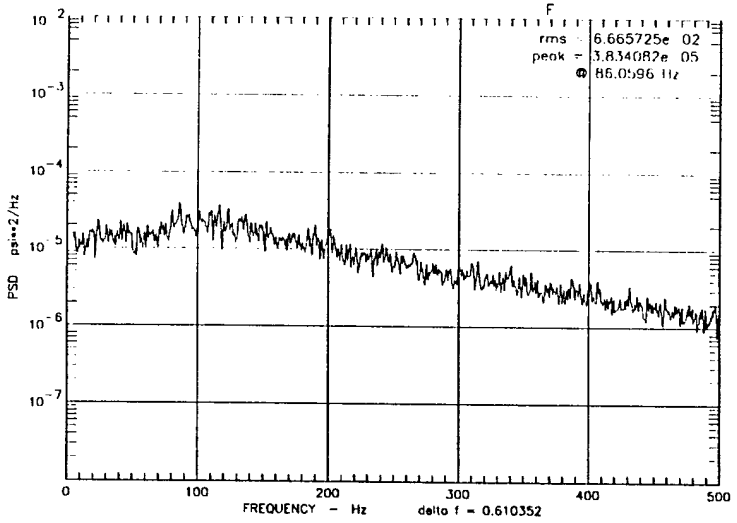
F-15 TPN_3253: q=30 alpha=32 beta=0 bp=0



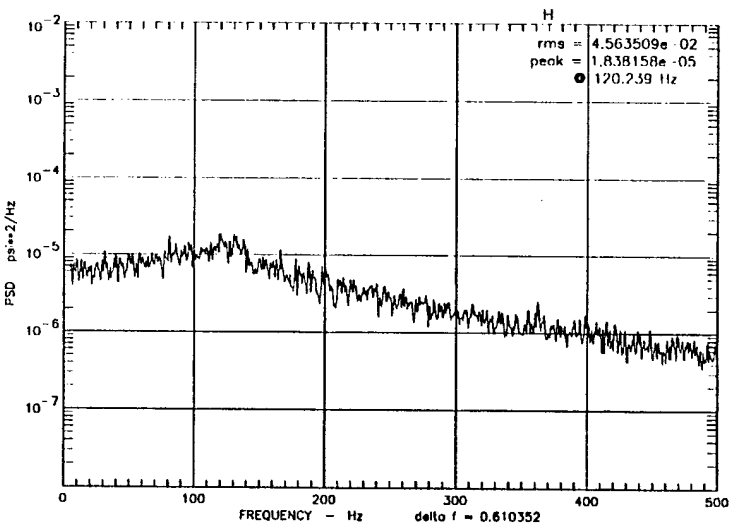
F-15 TPN_3253: q=30 alpha=32 beta=0 bp=0



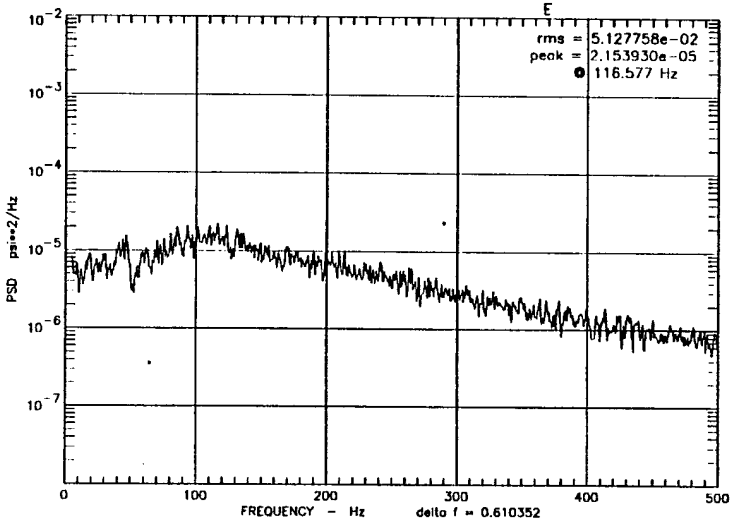
F 15 TPN 3253: q=30 alpha=32 beta=0 bp=0



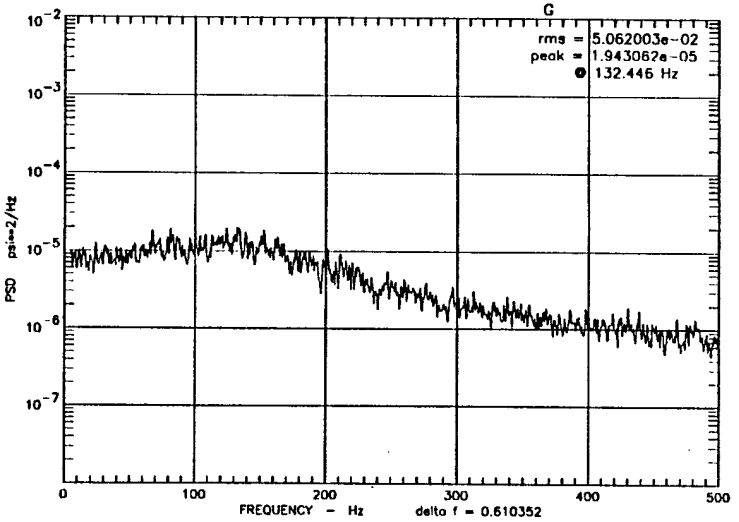
F-15 TPN 3253: q=30 alpha=32 beta=0 bp=0



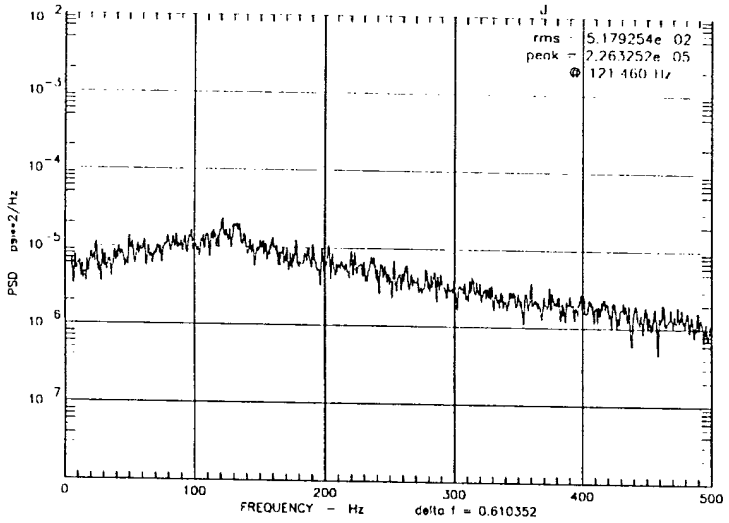
F-15 TPN_3253: q=30 alpha=32 beta=0 bp=0



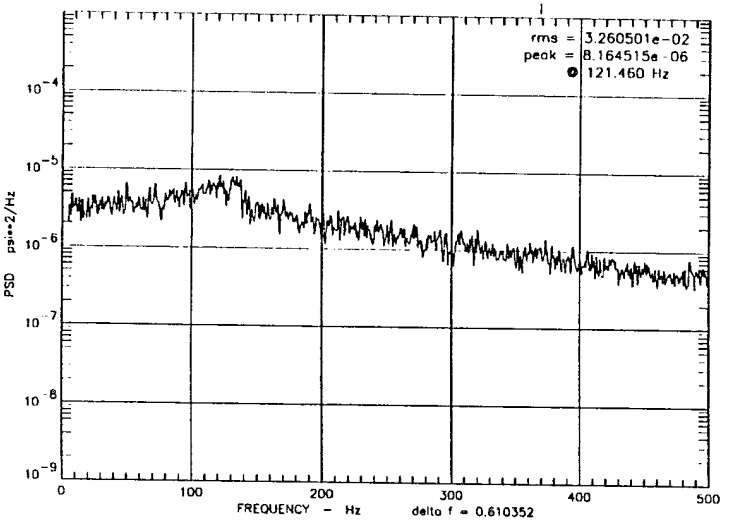
F-15 TPN_3253: q=30 alpha=32 beta=0 bp=0



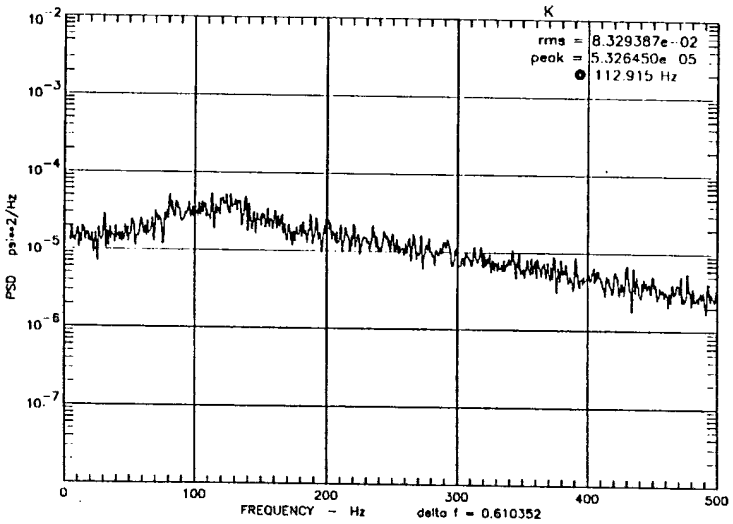
F 15 TPN_3253: q=30 alpha=32 beta=0 bp=0



F 15 TPN_3253: q=30 alpha=32 beta=0 bp=0



F-15 TPN_3253: q=30 alpha=32 beta=0 bp=0

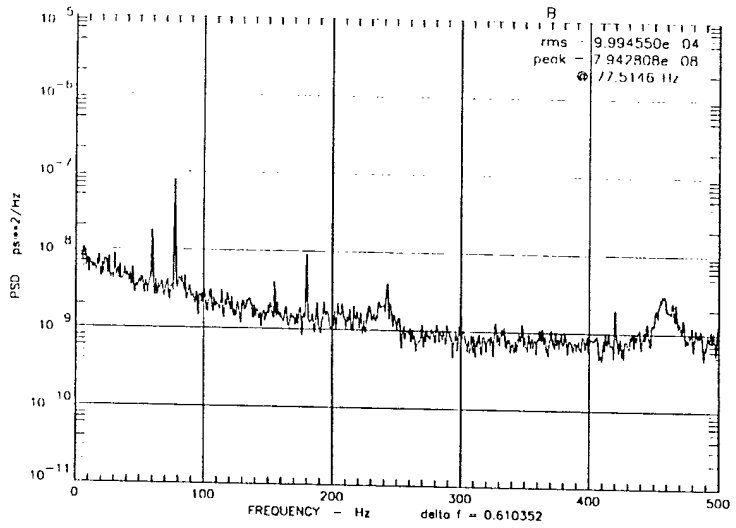


PRESSURE PSD's

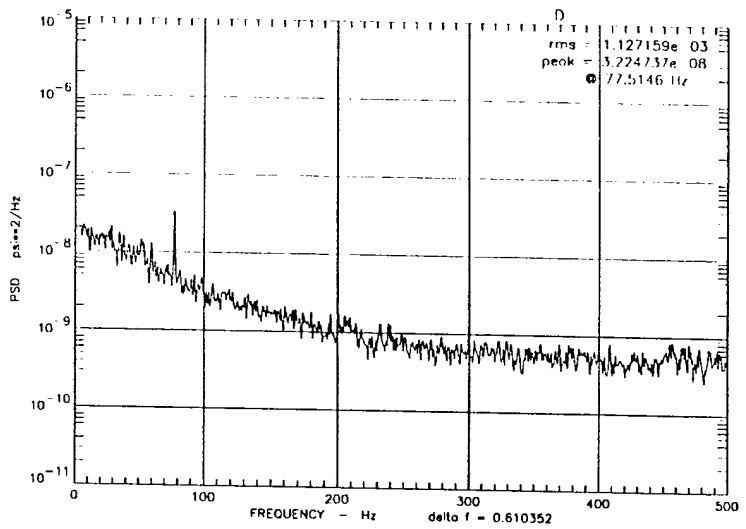
Q= 30 PSF

2.2.1.2 PSD GRAPHS (5- 500 HZ), WBP= 45 PSI, BETA =0, -4, +4 DEG, ALPHA 8.....32 DEG

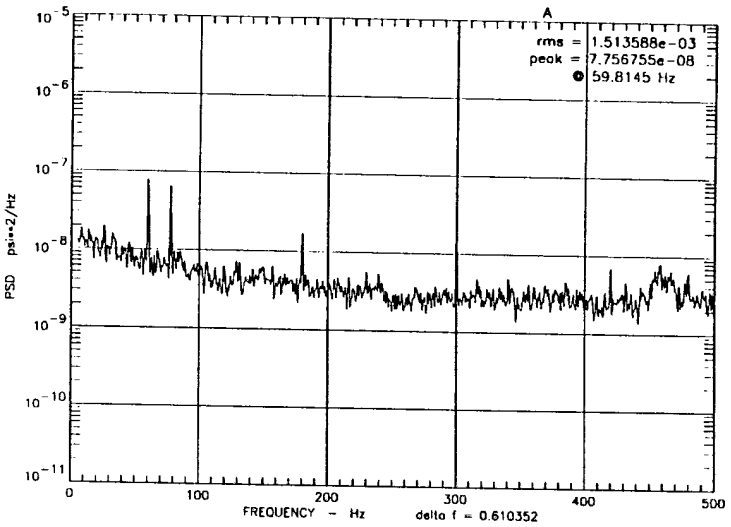
F 15 TPN 3315: q=30 alpha=8 beta=4 bp=45



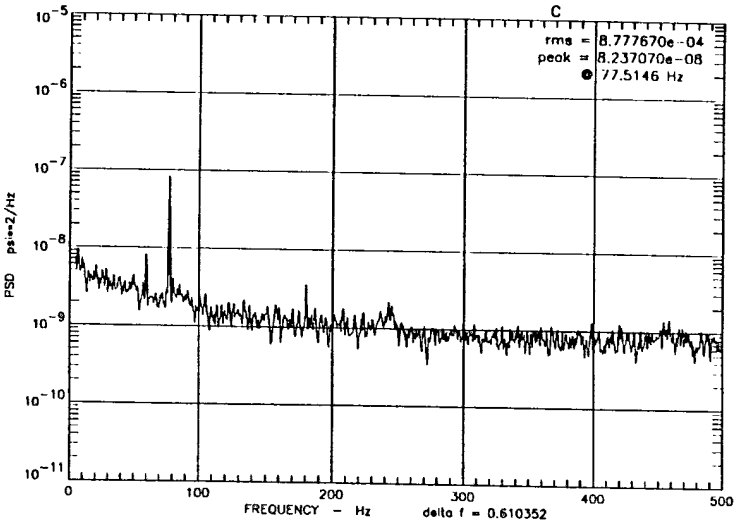
F-15 TPN 3315: q=30 alpha=8 beta=4 bp=45



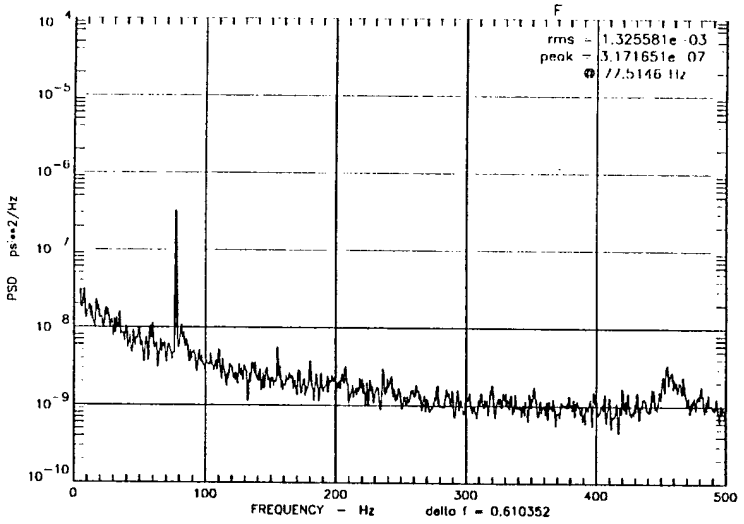
F- 15 TPN_3315: q=30 alpha=8 beta=4 bp=45



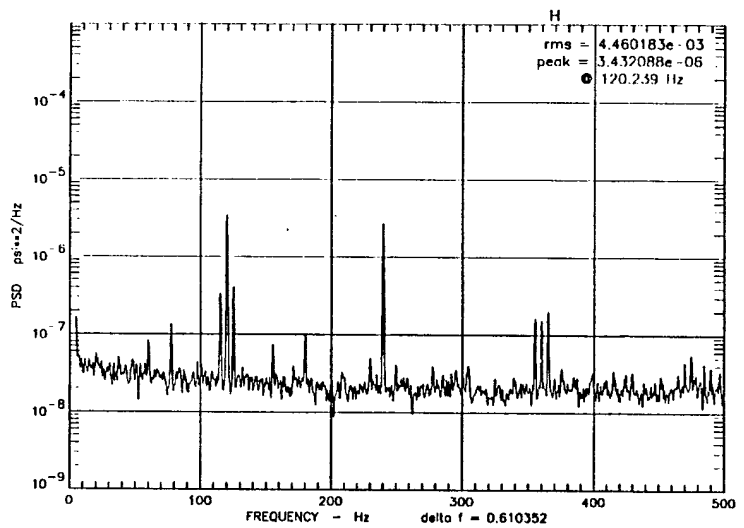
F-15 TPN_3315: q=30 alpha=8 beta=4 bp=45



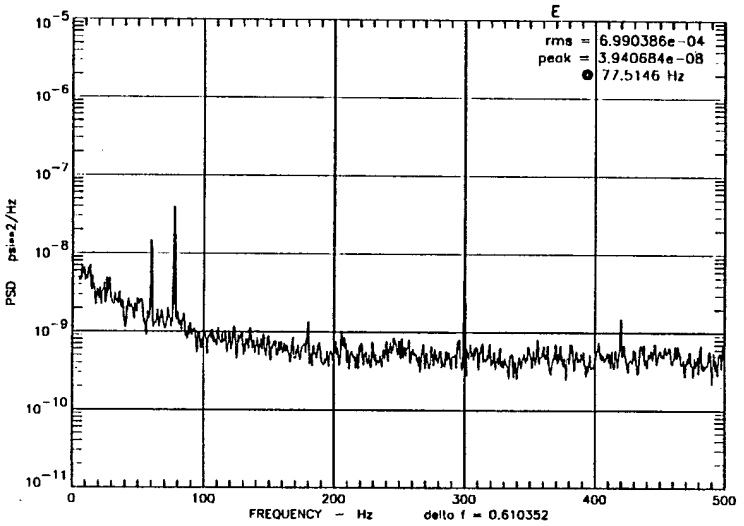
F 15 TPN 3315: q=30 alpha=8 beta=4 bp=45



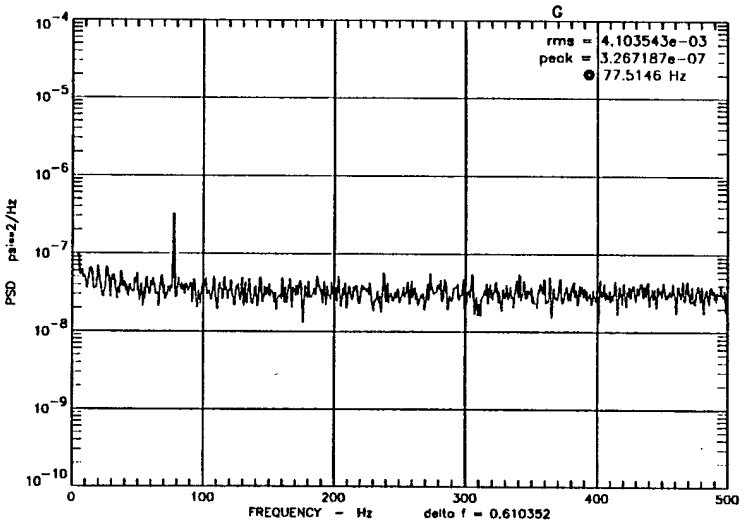
F 15 TPN 3315: q=30 alpha=8 beta=4 bp=45



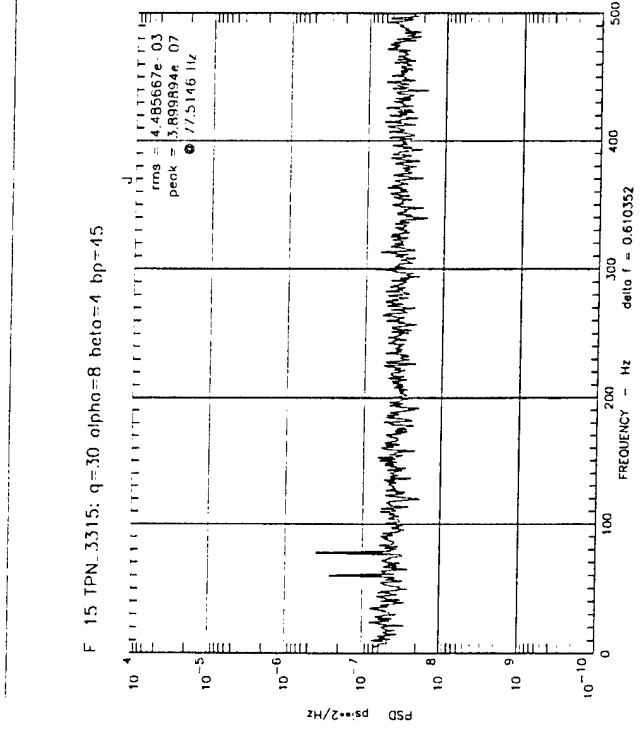
F-15 TPN_3315: q=30 alpha=8 beta=4 bp=45

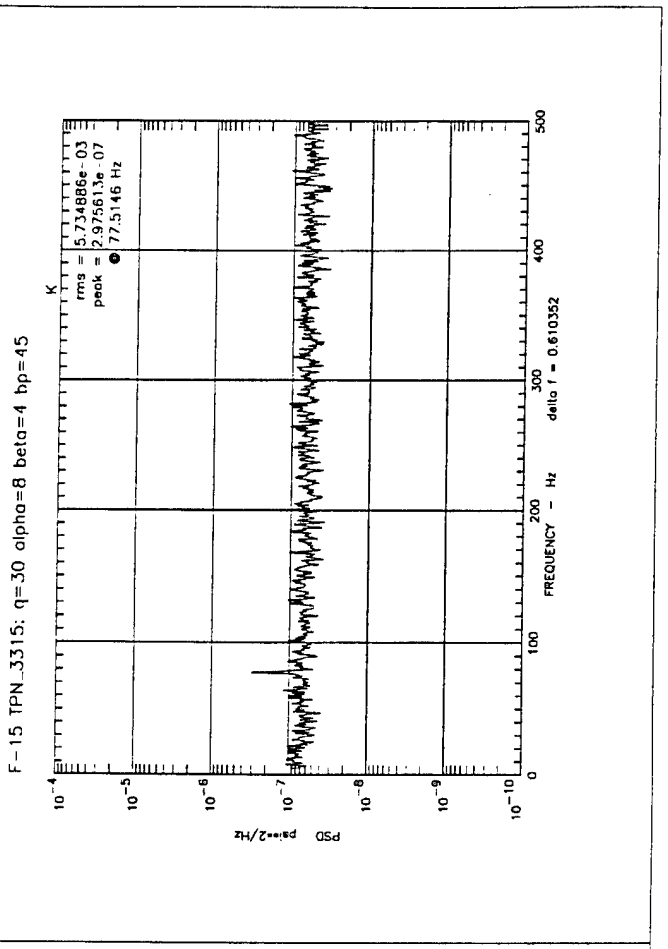


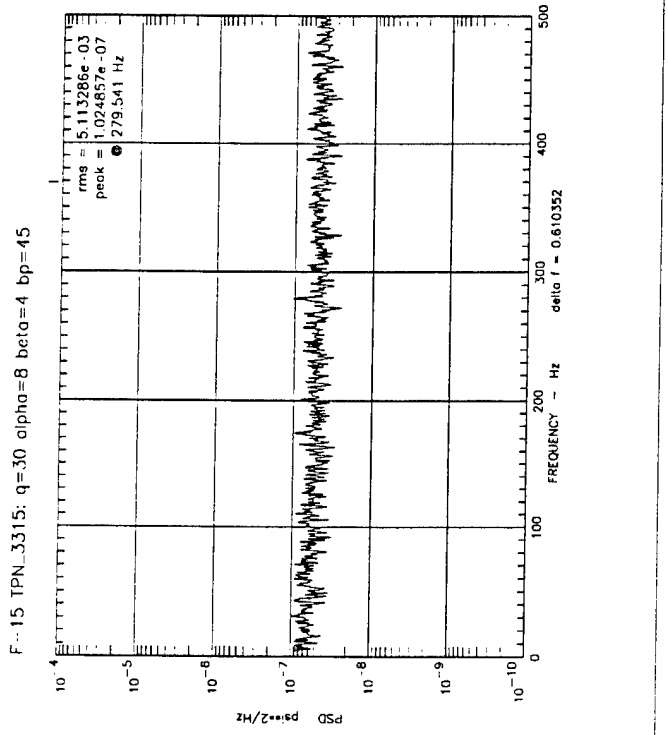
F-15 TPN_3315: q=30 alpha=8 beta=4 bp=45



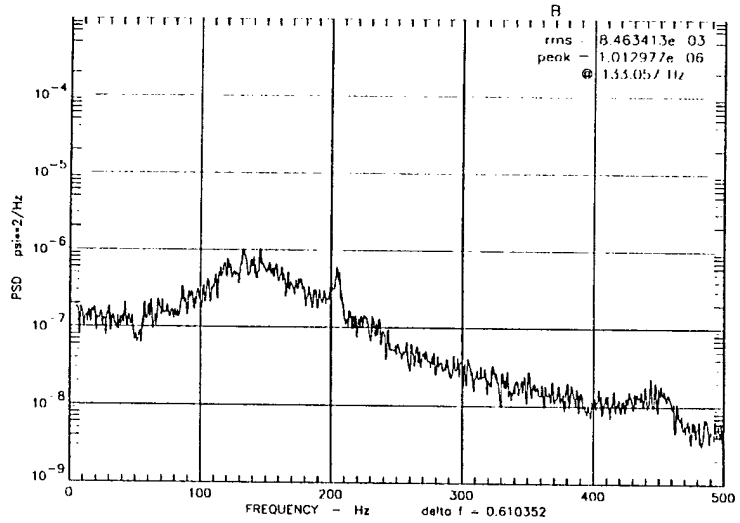
577


F 15 TPN_3315: q=30 alpha=8 beta=4 bp=45
J
rms = 4.485667e-03
peak = 3.899894e-07
@ 77.5146 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

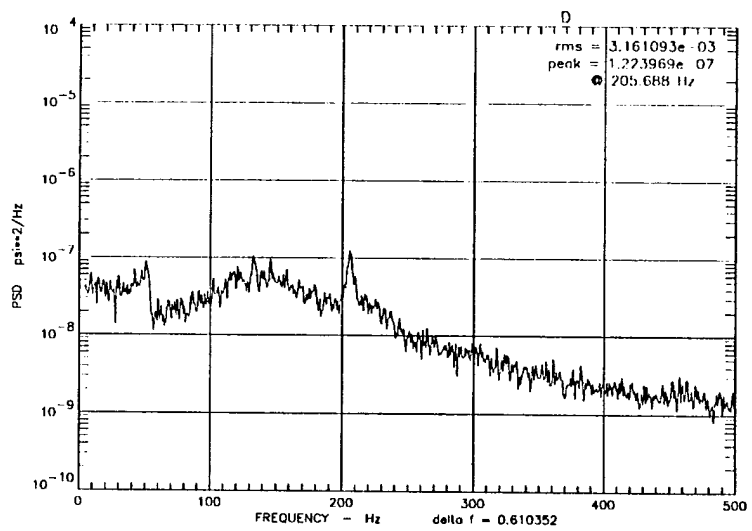

F-15 TPN_3315: q=30 alpha=8 beta=4 bp=45
K
rms = 5.734886e-03
peak = 2.975613e-07
@ 77.5146 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3315: q=30 alpha=8 beta=4 bp=45
I
rms = 5.113286e-03
peak = 1.024857e-07
@ 279.541 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

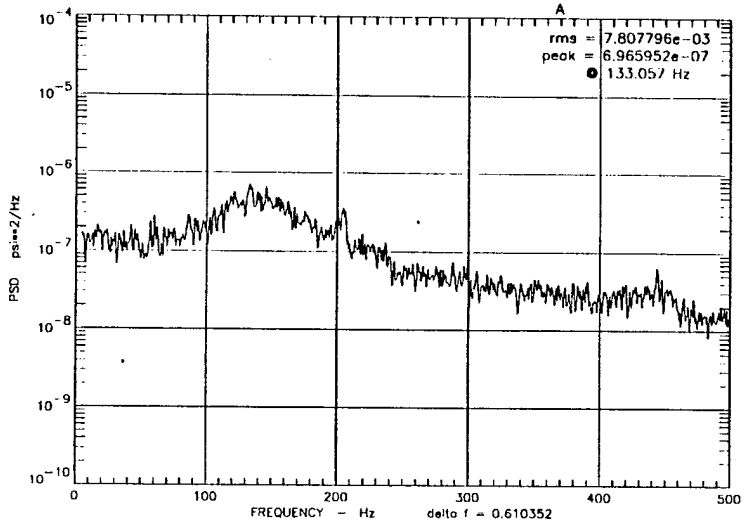
F-15 TPN_3321: q=30 alpha=20 beta=4 bp=45



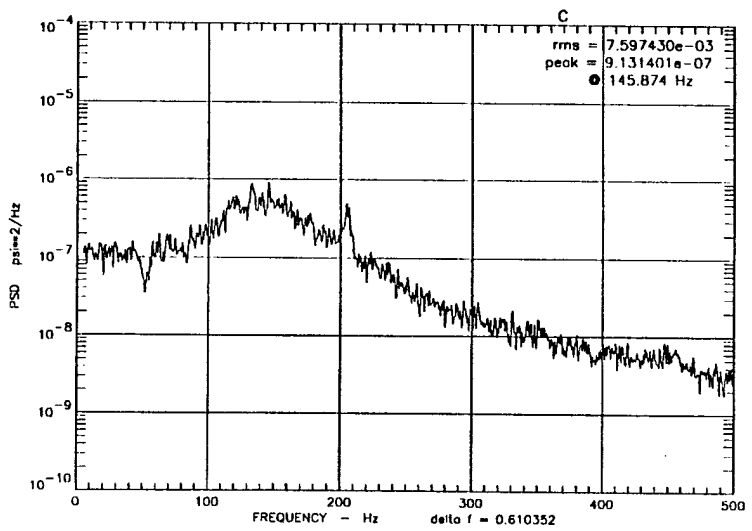
F-15 TPN_3321: q=30 alpha=20 beta=4 bp=45

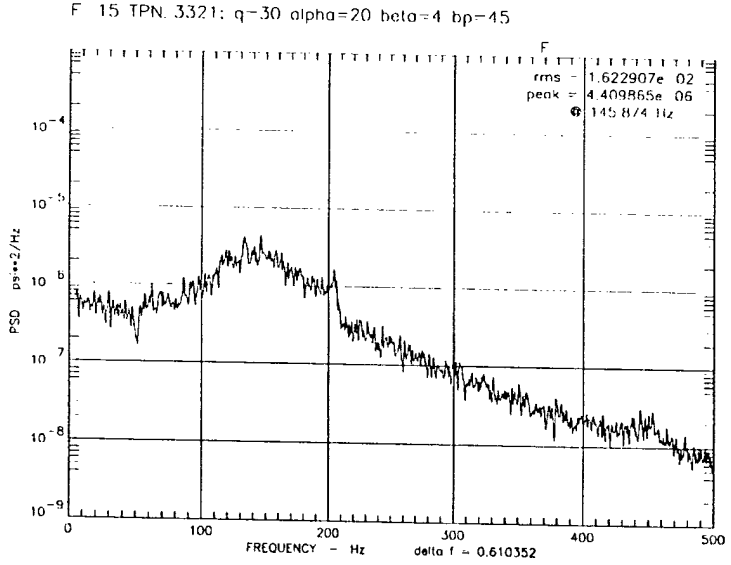


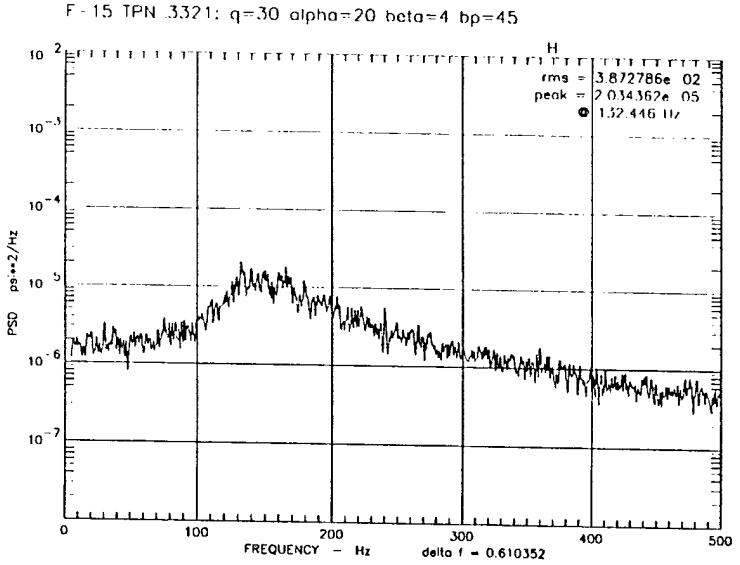
F-15 TPN_3321: q=30 alpha=20 beta=4 bp=45

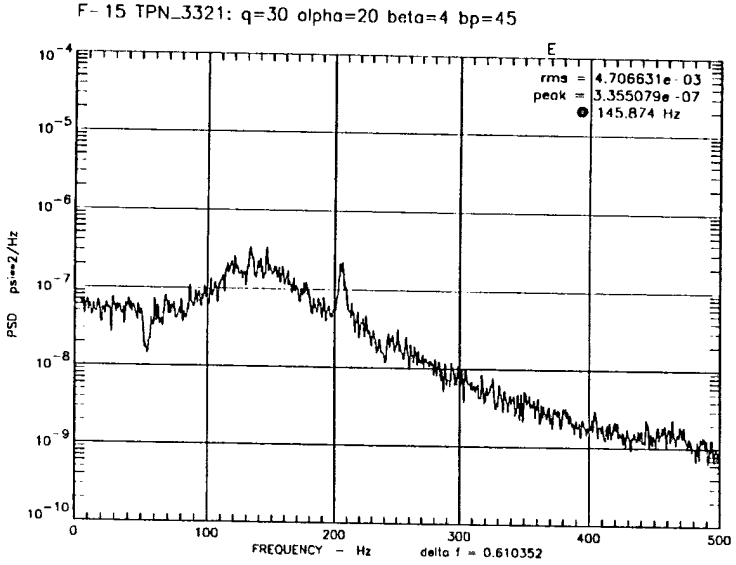


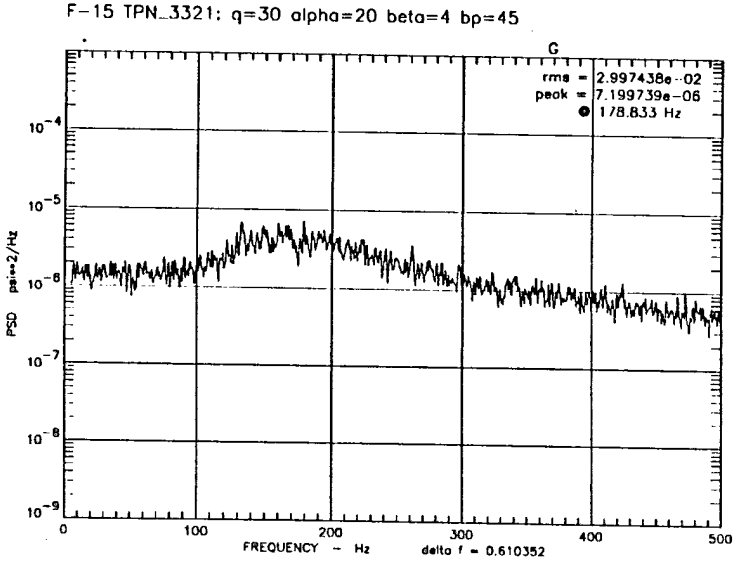
F-15 TPN_3321: q=30 alpha=20 beta=4 bp=45



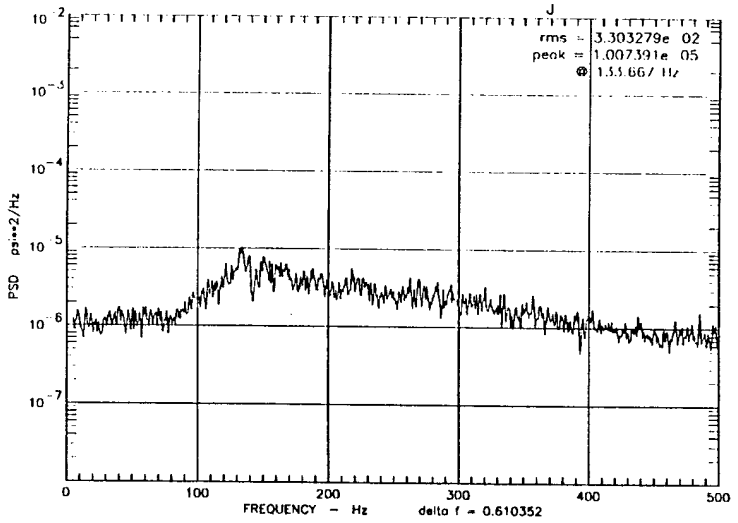

F 15 TPN 3321: q=30 alpha=20 beta=4 bp=45
F
rms = 1.622907e 02
peak = 4.409865e 06
@ 145.874 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN 3321: q=30 alpha=20 beta=4 bp=45
H
rms = 3.872786e 02
peak = 2.034362e 05
@ 132.446 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

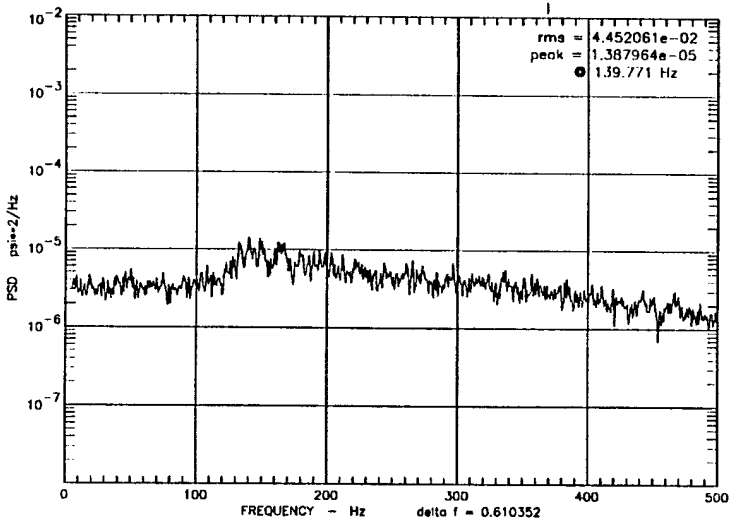

F-15 TPN_3321: q=30 alpha=20 beta=4 bp=45
E
rms = 4.706831e-03
peak = 3.355079e-07
@ 145.874 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3321: q=30 alpha=20 beta=4 bp=45
G
rms = 2.997438e-02
peak = 7.199739e-06
@ 178.833 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

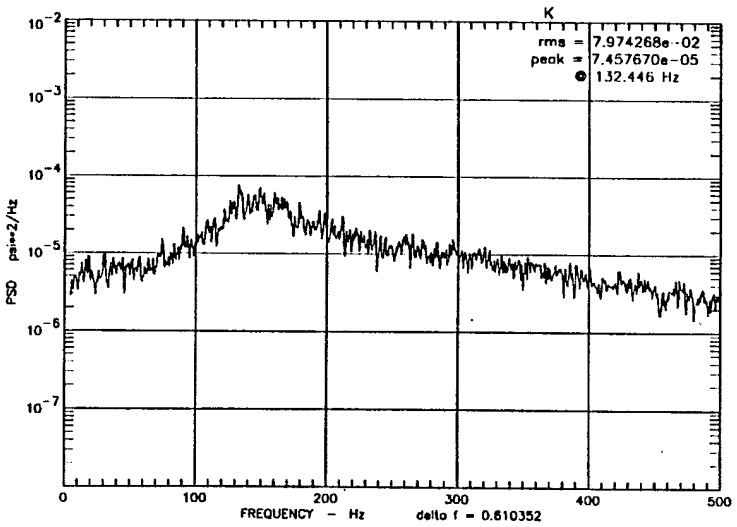
F 15 TPN_3321: q=30 alpha=20 beta=4 bp=45



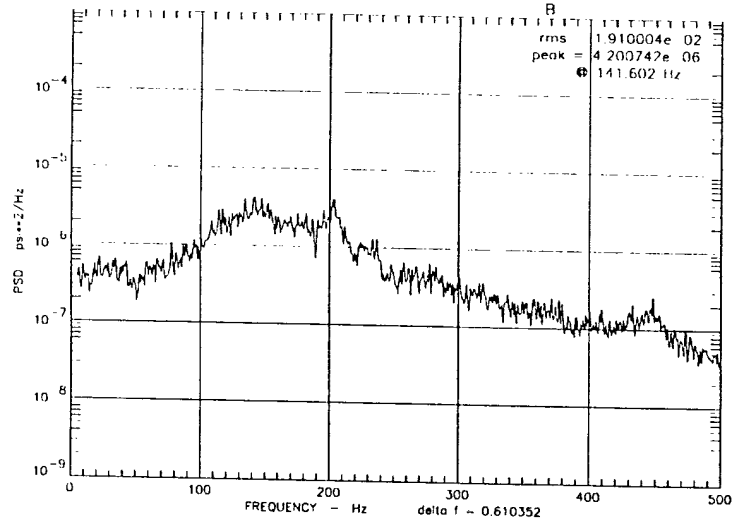
F-15 TPN_3321: q=30 alpha=20 beta=4 bp=45



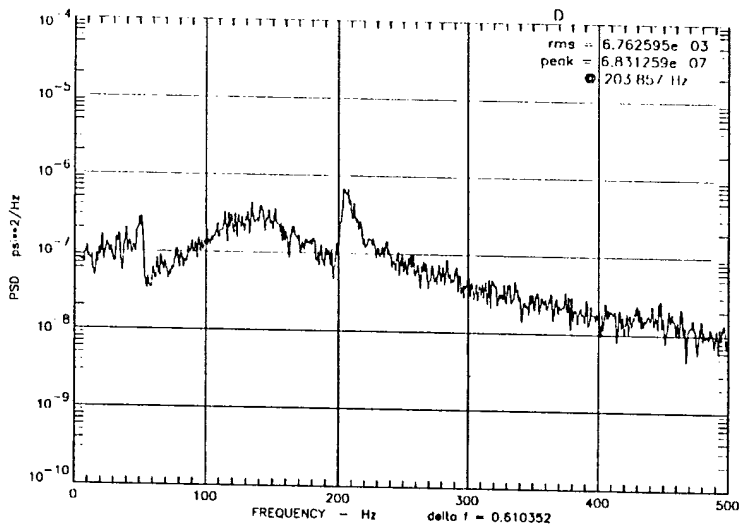
F-15 TPN_3321: q=30 alpha=20 beta=4 bp=45



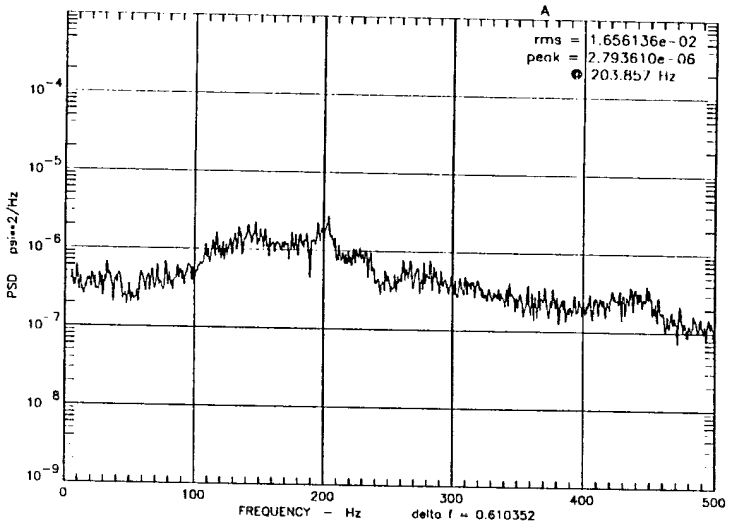
F 15 TPN .3323: q=30 alpha=24 beta=4 bp=45



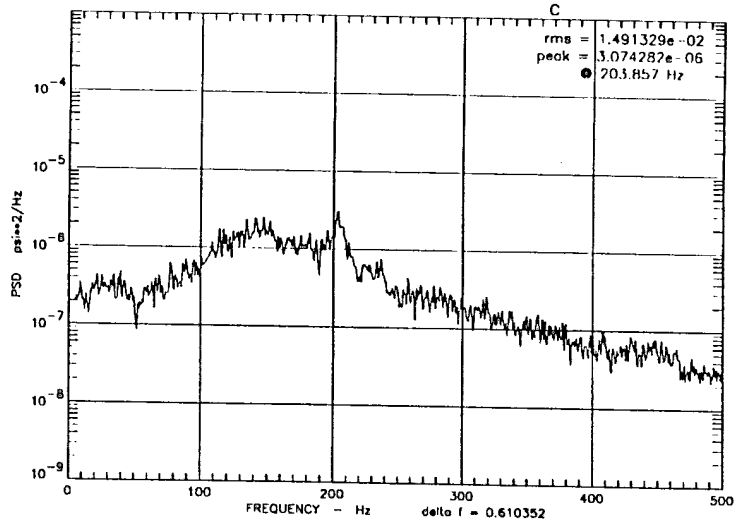
F-15 TPN_3323: q=30 alpha=24 beta=4 bp=45



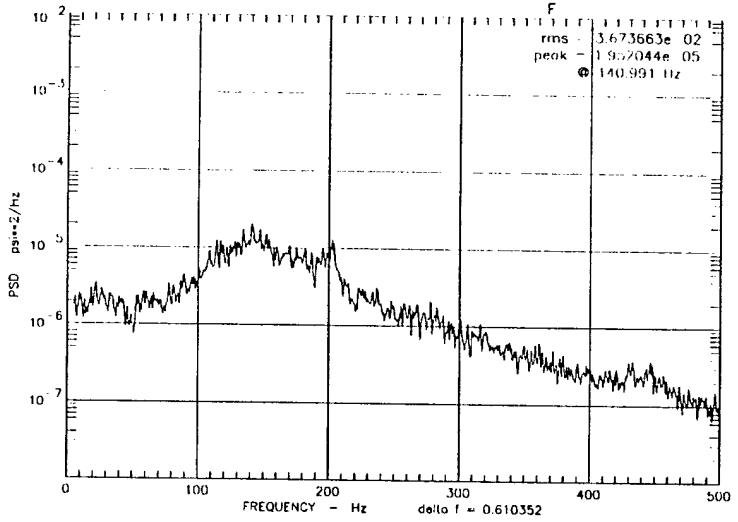
F-15 TPN .3323: q=30 alpha=24 beta=4 bp=45



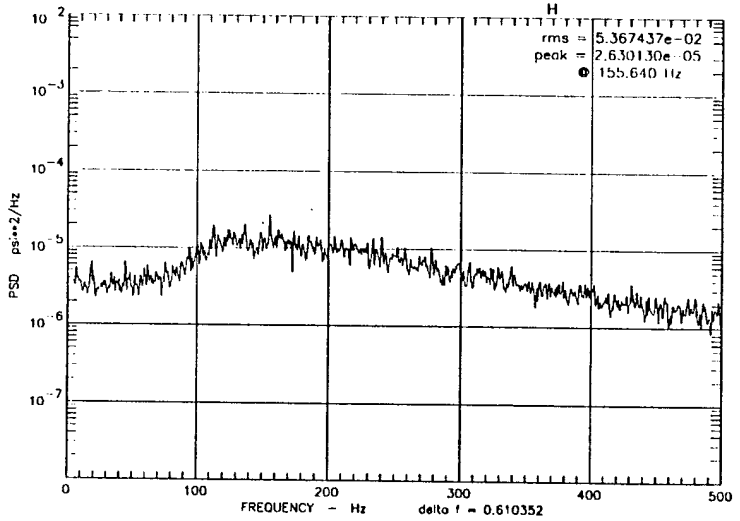
F-15 TPN_3323: q=30 alpha=24 beta=4 bp=45



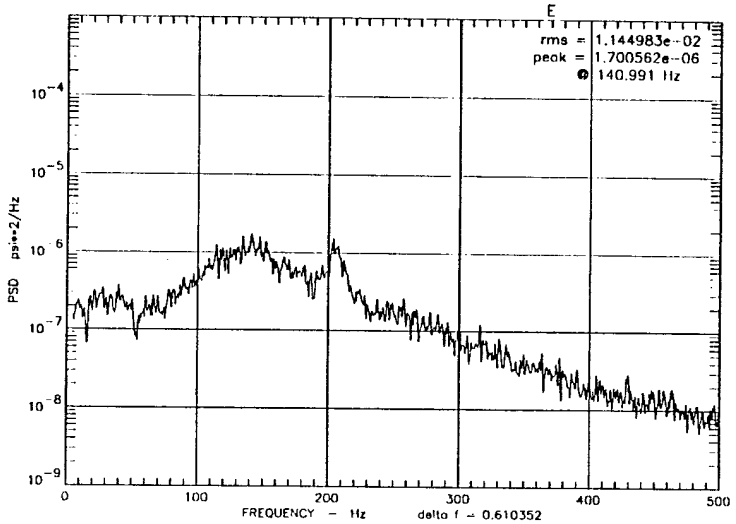
F 15 TPN 3323: q=30 alpha=24 beta=4 bp=45



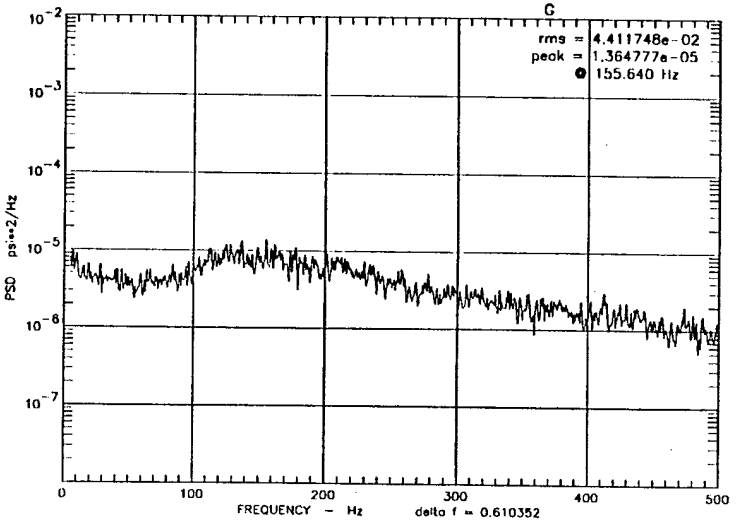
F-15 TPN_3323: q=30 alpha=24 beta=4 bp=45



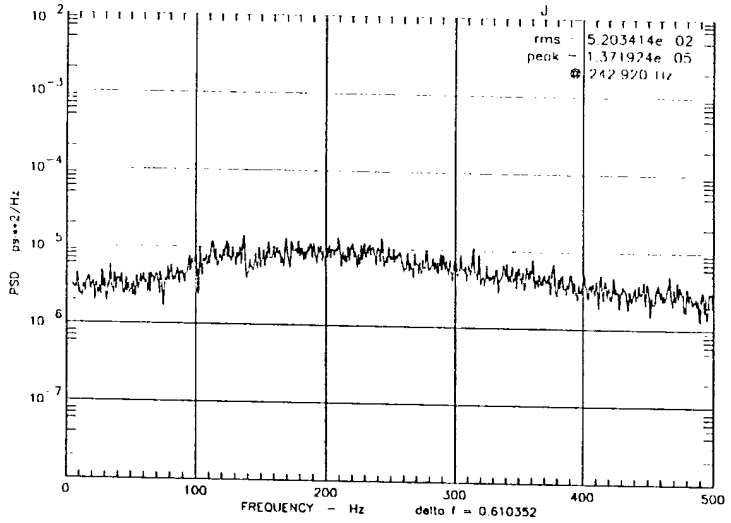
F-15 TPN_3323: q=30 alpha=24 beta=4 bp=45



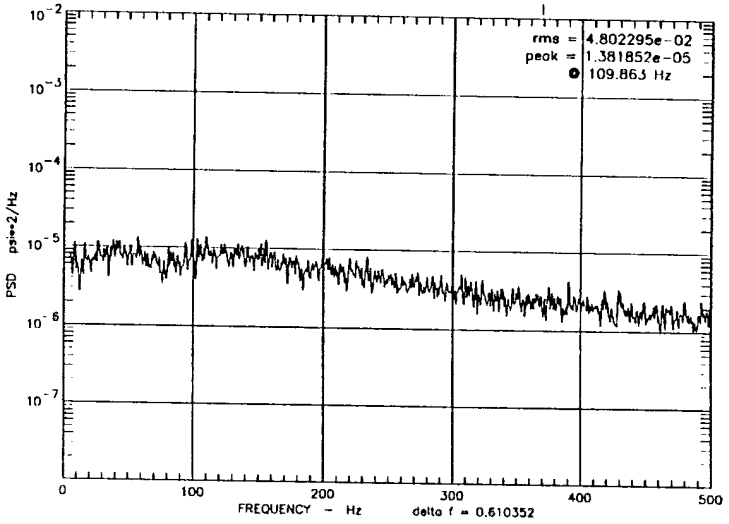
F-15 TPN_3323: q=30 alpha=24 beta=4 bp=45



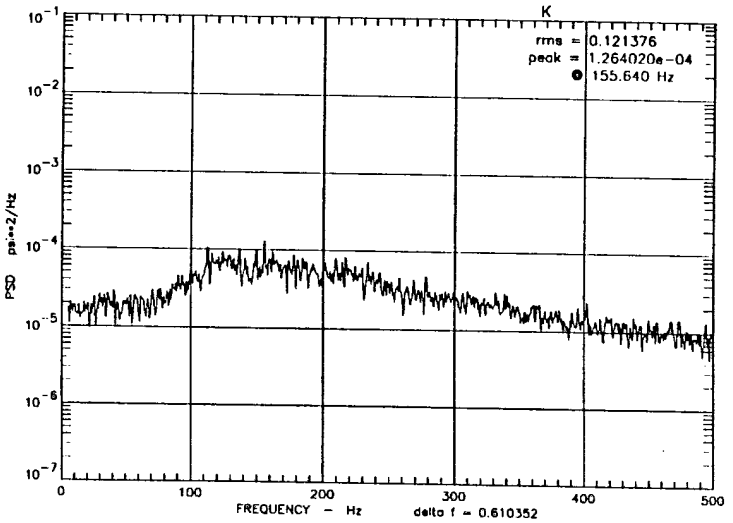
F-15 TPN 3323: q=30 alpha=24 beta=4 bp=45



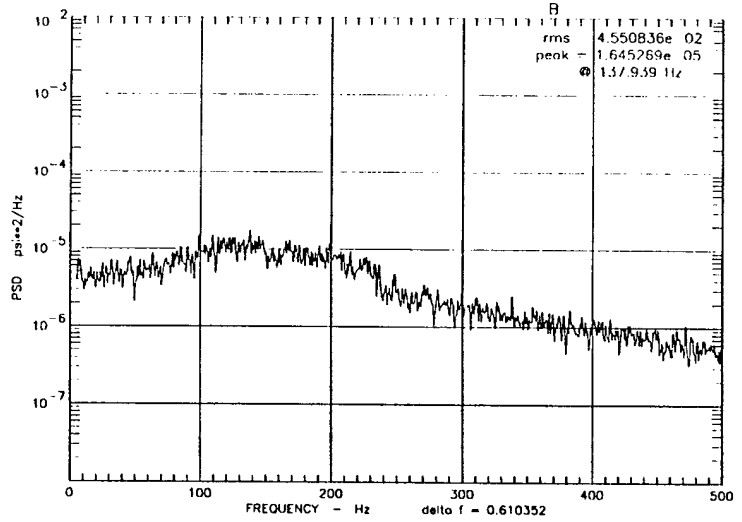
F-15 TPN_3323: q=30 alpha=24 beta=4 bp=45



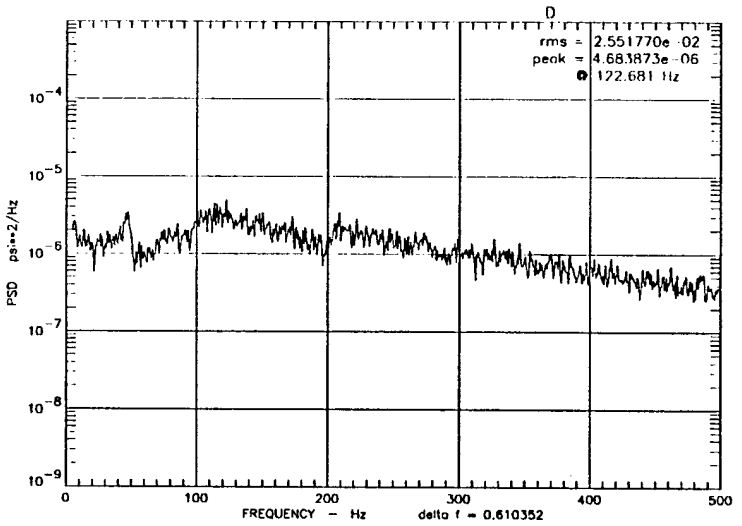
F-15 TPN_3323: q=30 alpha=24 beta=4 bp=45



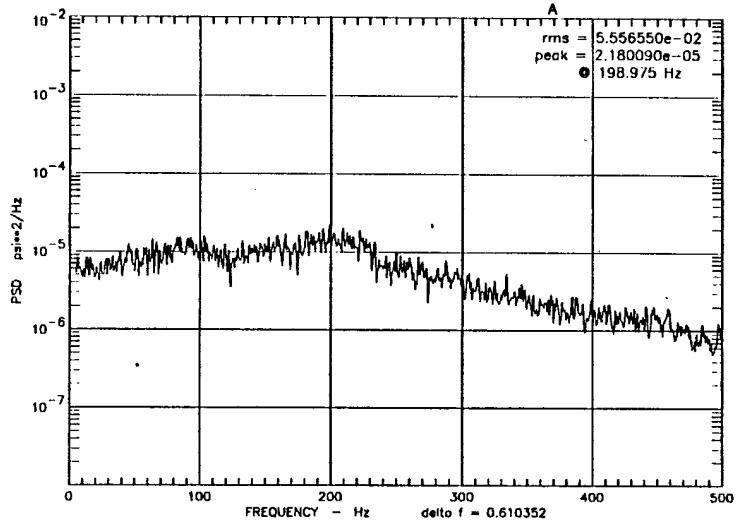
F 15 TPN_3325: q=30 alpha=32 beta=4 bp=45



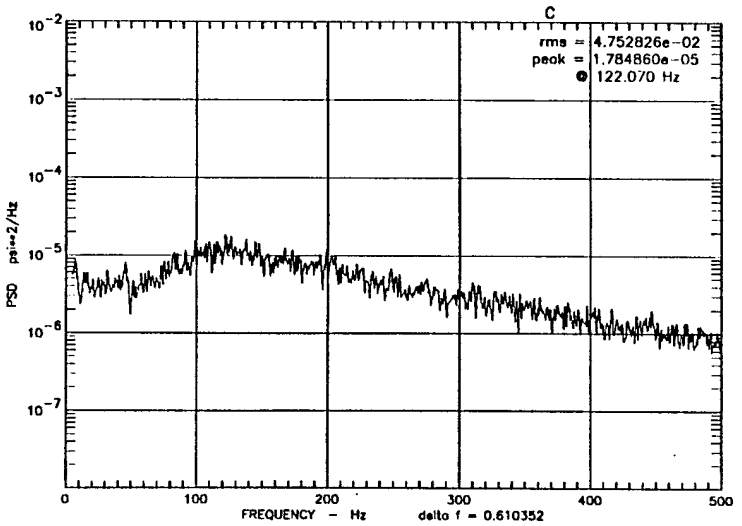
F-15 TPN_3325: q=30 alpha=32 beta=4 bp=45



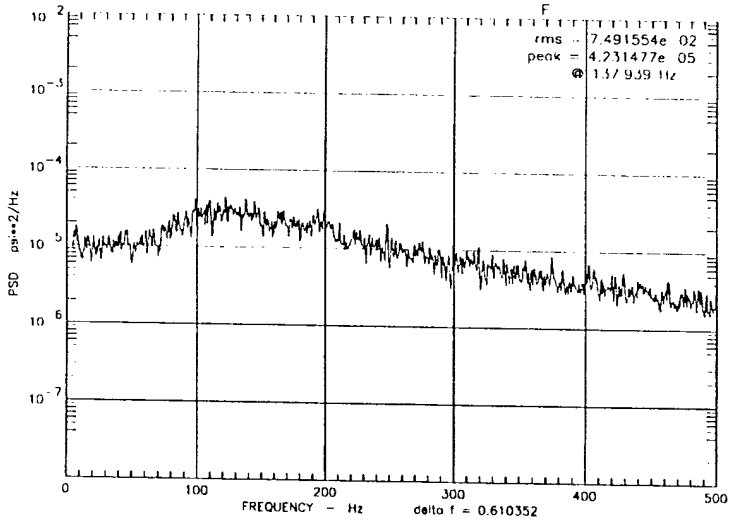
F-15 TPN_3325: q=30 alpha=32 beta=4 bp=45



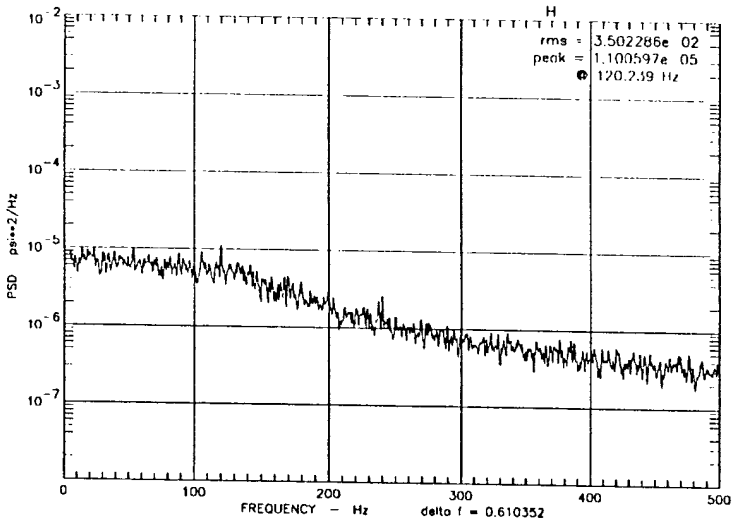
F-15 TPN_3325: q=30 alpha=32 beta=4 bp=45



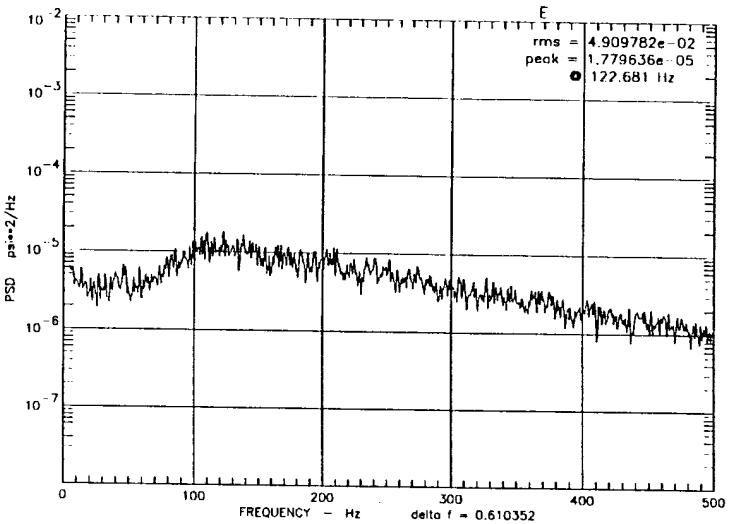
F 15 TPN 3325: q=30 alpha=32 beta=4 bp=45



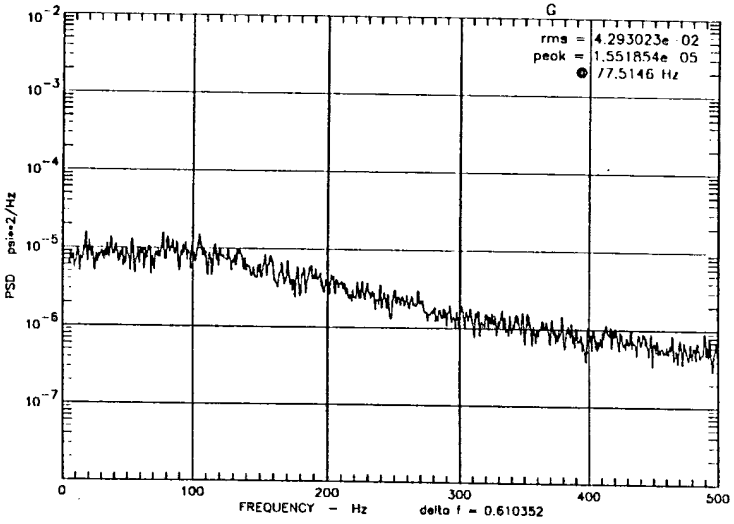
F 15 TPN 3325: q=30 alpha=32 beta=4 bp=45

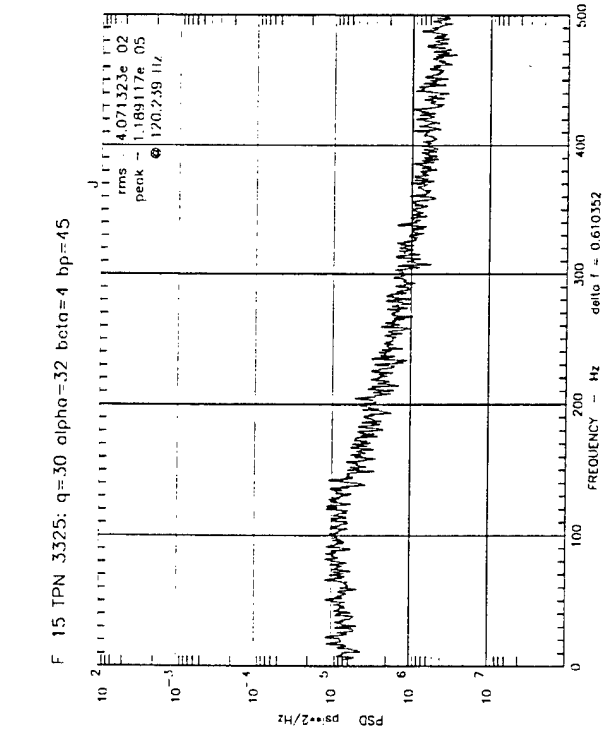


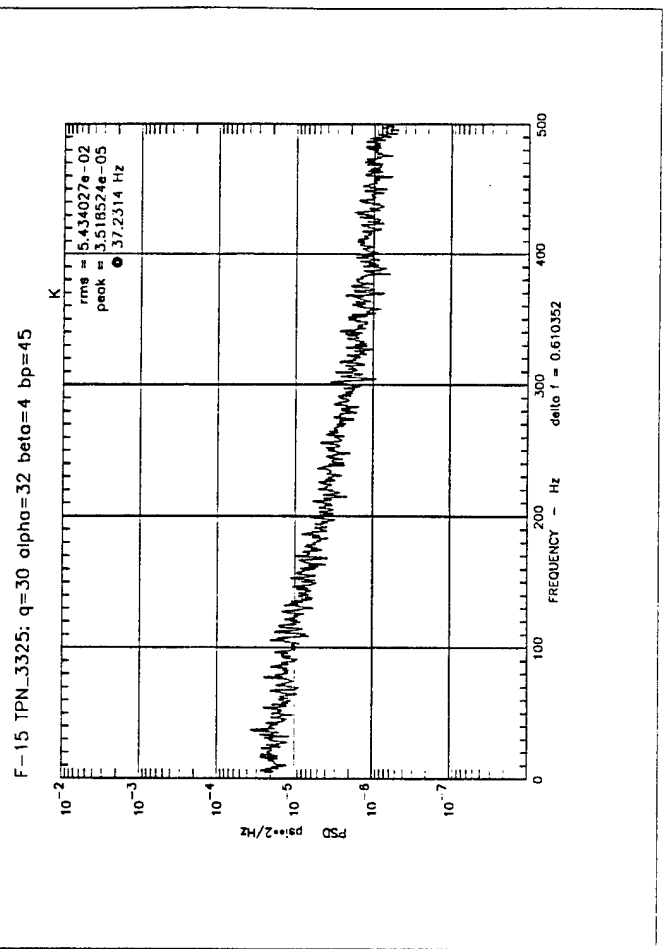
F-15 TPN 3325: q=30 alpha=32 beta=4 bp=45

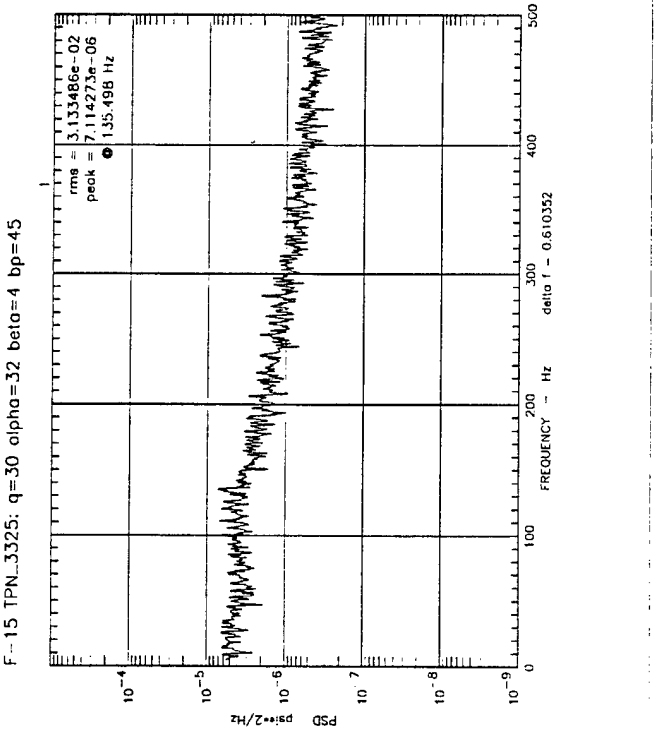


F-15 TPN 3325: q=30 alpha=32 beta=4 bp=45

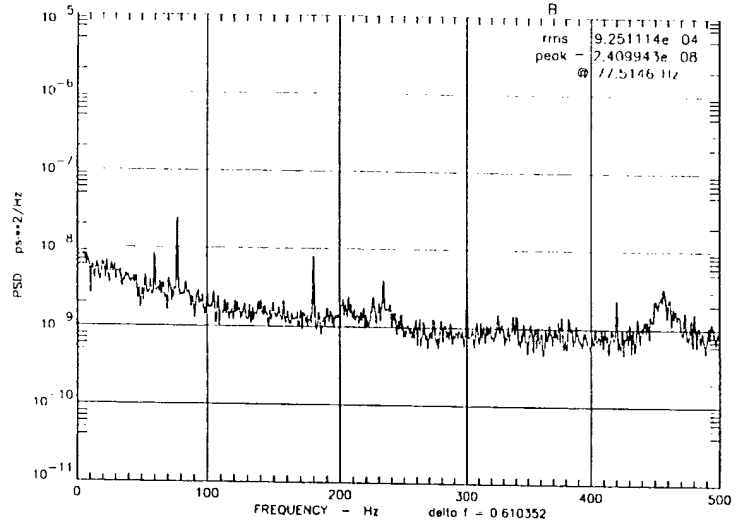



F 15 TPN 3325: q=30 alpha=32 beta=4 bp=45
J
rms = 4.071323e-02
peak = 1.189117e-05
@ 120.239 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

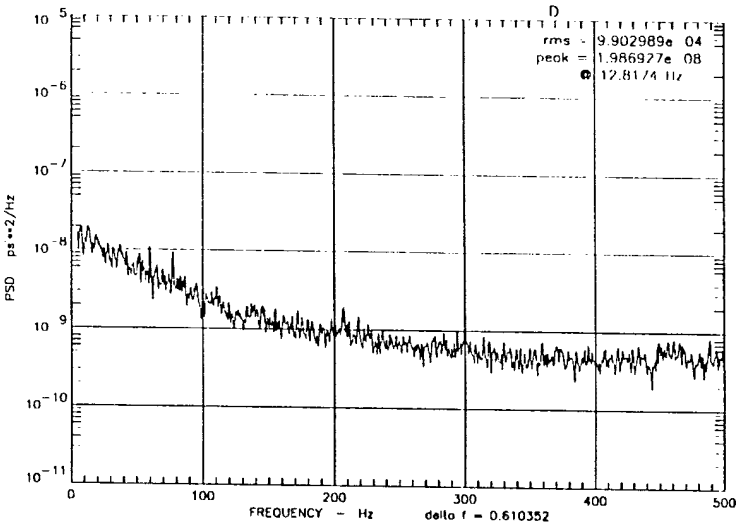

F-15 TPN_3325: q=30 alpha=32 beta=4 bp=45
K
rms = 5.434027e-02
peak = 3.518524e-05
@ 37.2314 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3325: q=30 alpha=32 beta=4 bp=45
I
rms = 3.133486e-02
peak = 7.114273e-06
@ 135.498 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

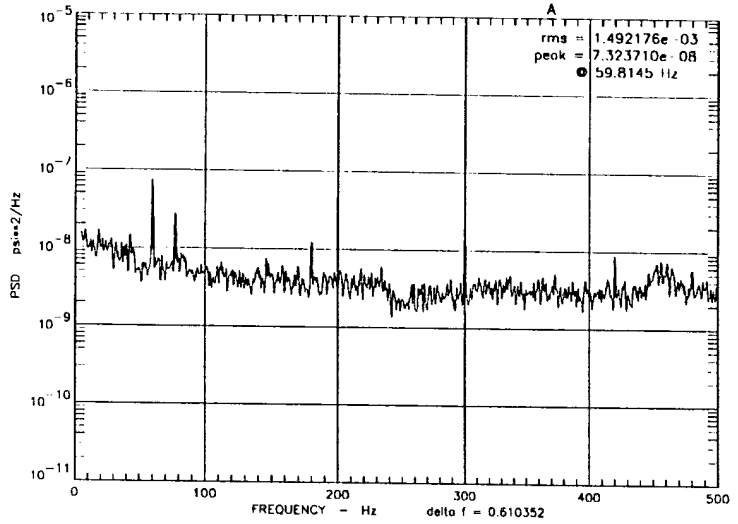
F 15 TPN_3279: q=30 alpha=8 beta=0 bp=45



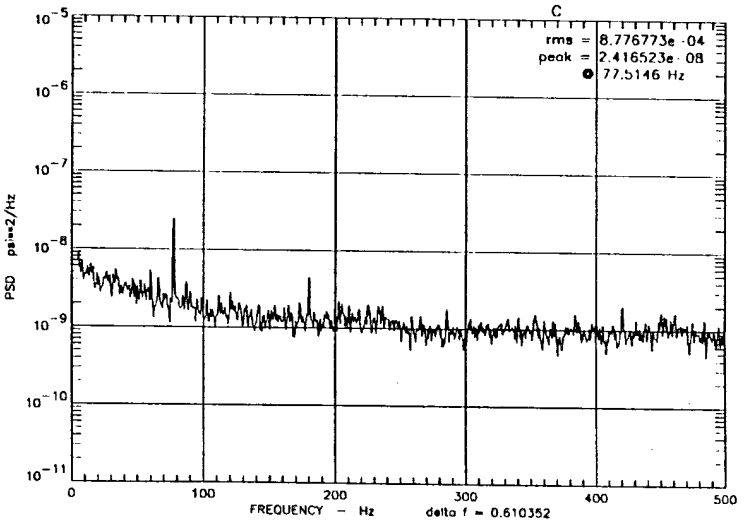
F 15 TPN_3279: q=30 alpha=8 beta=0 bp=45

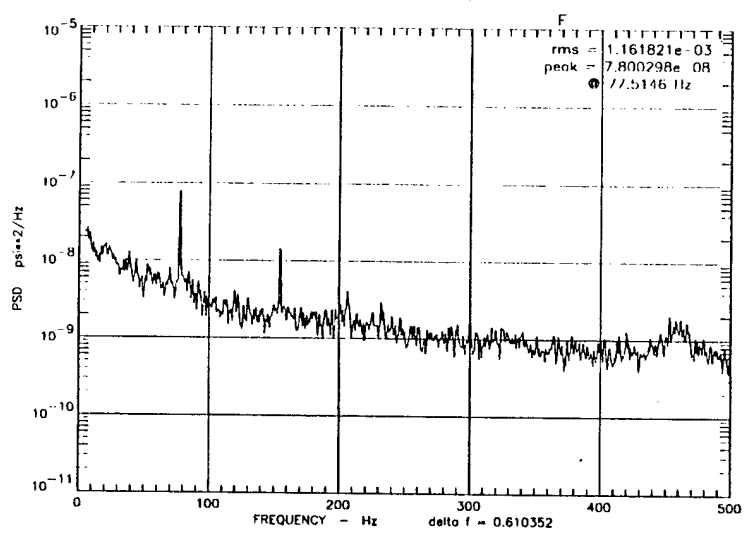


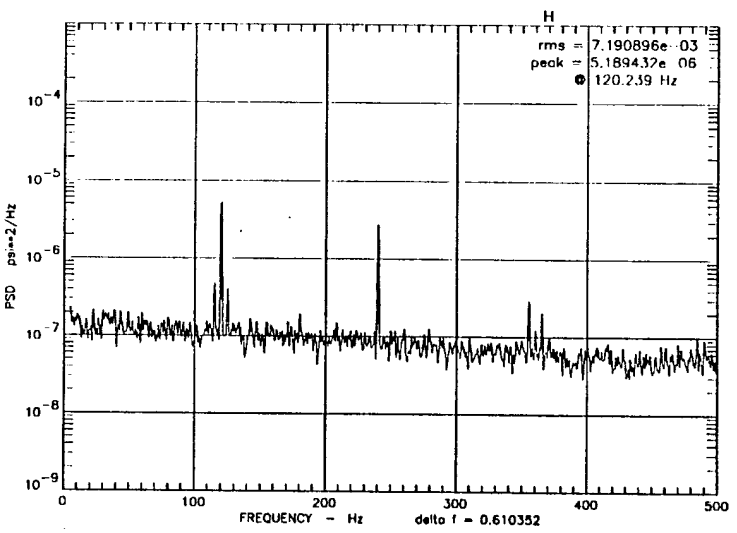
F-15 TPN_3279: q=30 alpha=8 beta=0 bp=45

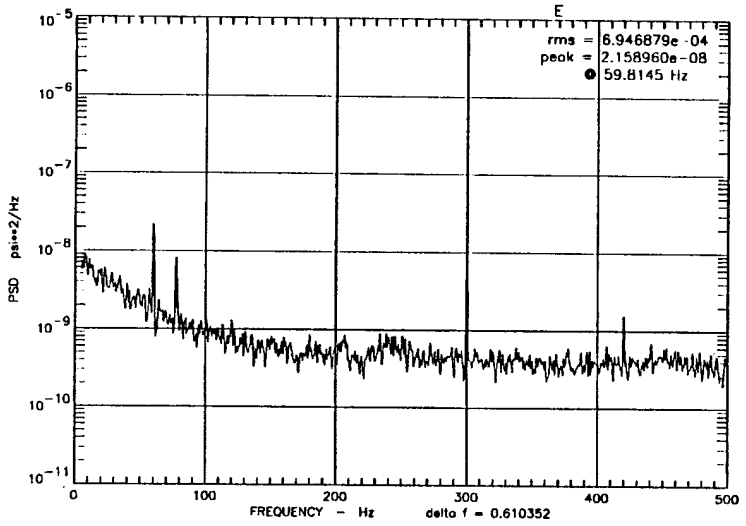


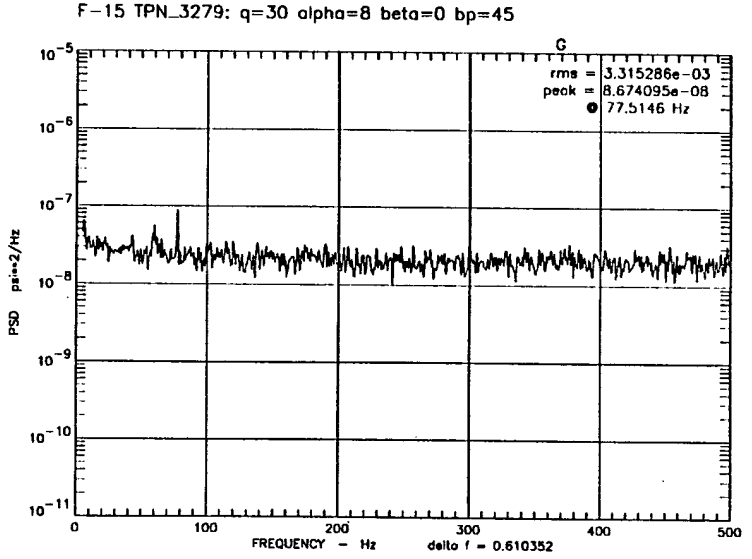
F-15 TPN_3279: q=30 alpha=8 beta=0 bp=45



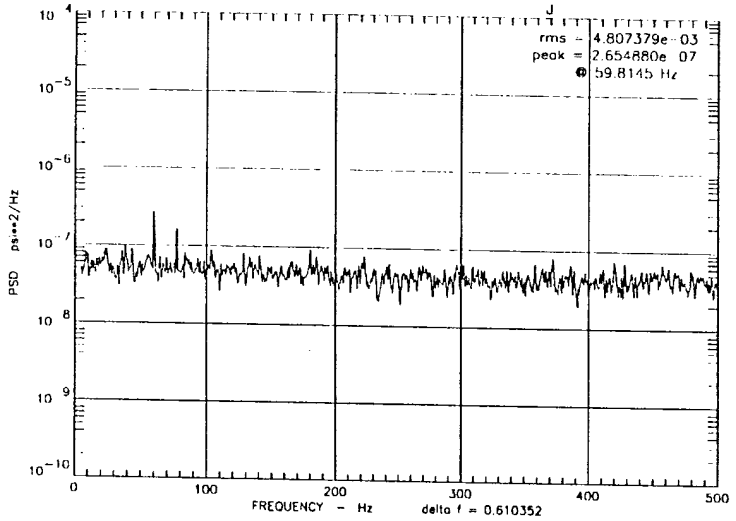

F-15 TPN 3279: q=30 alpha=8 beta=0 bp=45
F
rms = 1.161821e-03
peak = 7.800298e-08
@ 77.5146 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3279: q=30 alpha=8 beta=0 bp=45
H
rms = 7.190896e-03
peak = 5.189432e-06
@ 120.239 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

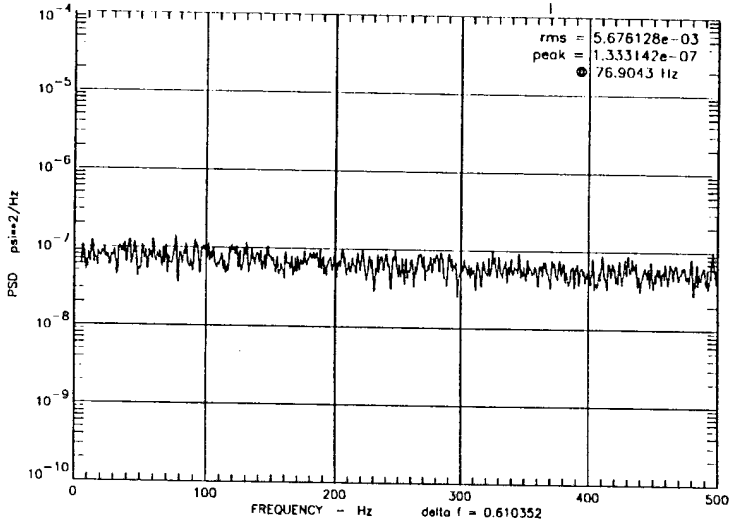

F-15 TPN_3279: q=30 alpha=8 beta=0 bp=45
E
rms = 6.946879e-04
peak = 2.158960e-08
@ 59.8145 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3279: q=30 alpha=8 beta=0 bp=45
G
rms = 3.315286e-03
peak = 8.674095e-08
@ 77.5146 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

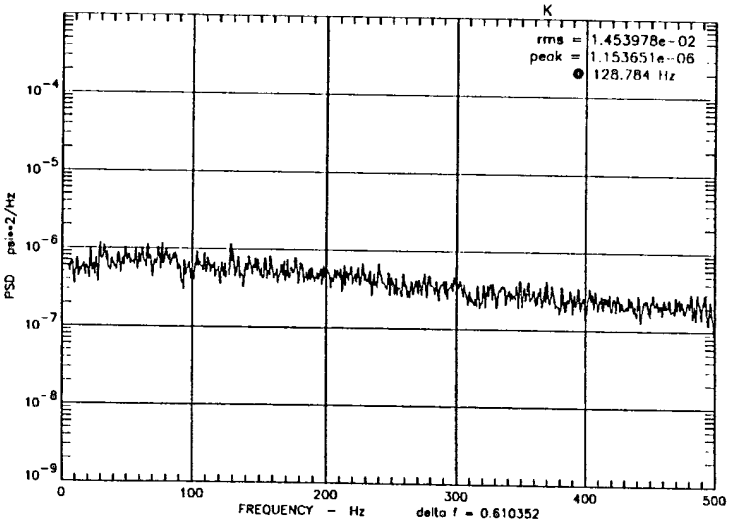
F-15 TPN_3279: q=30 alpha=8 beta=0 bp=45



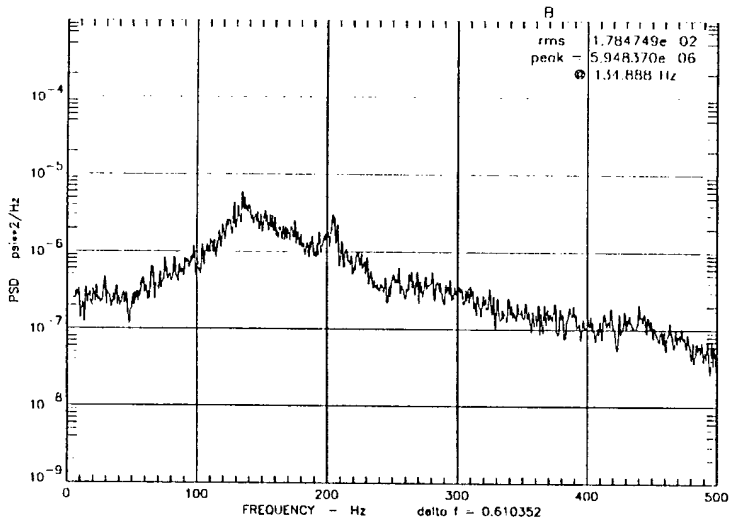
F-15 TPN_3279: q=30 alpha=8 beta=0 bp=45



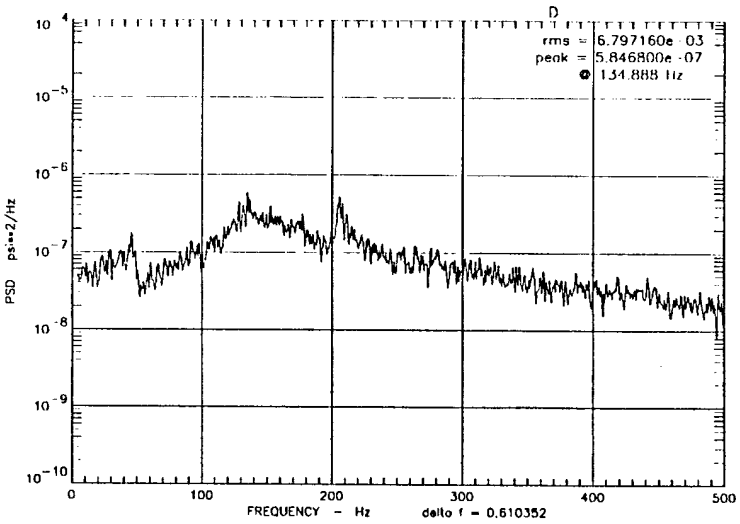
F-15 TPN_3279: q=30 alpha=8 beta=0 bp=45



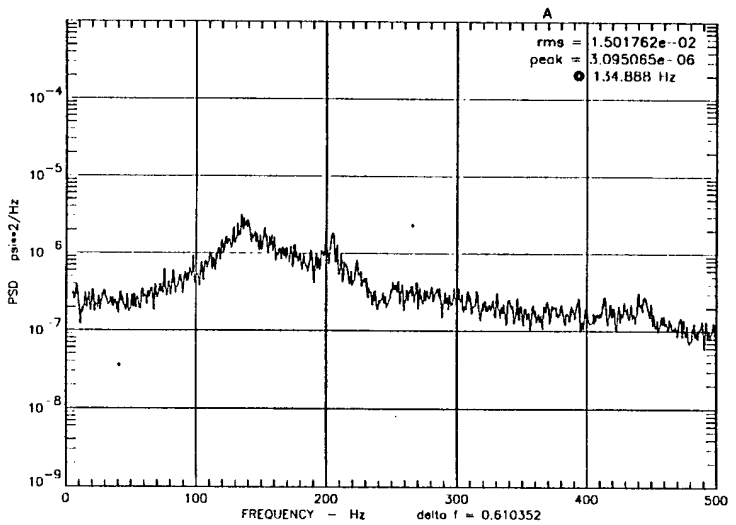
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



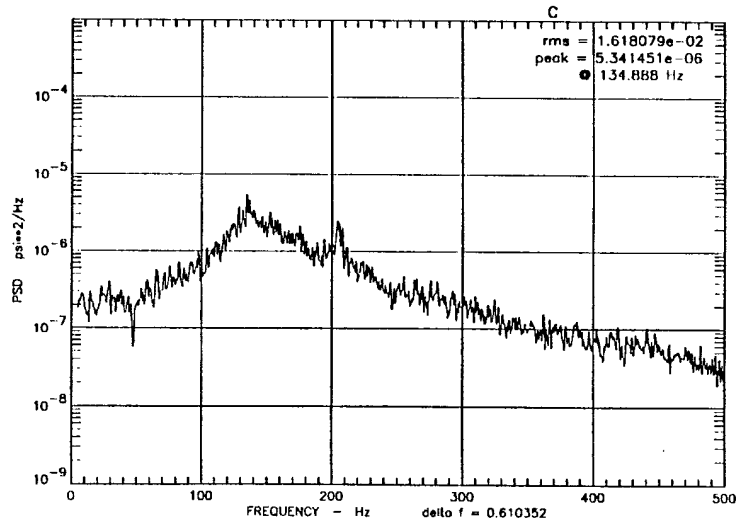
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



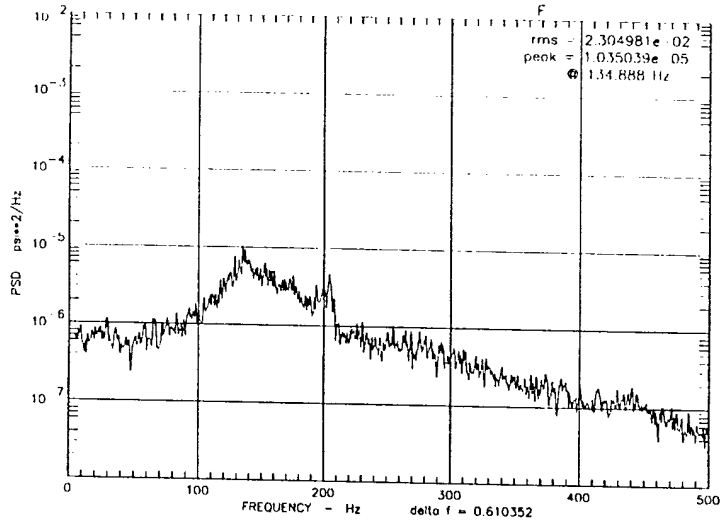
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



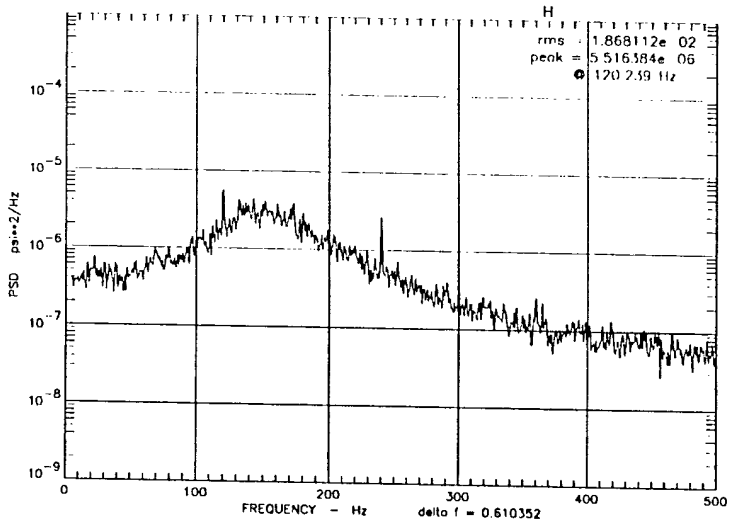
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



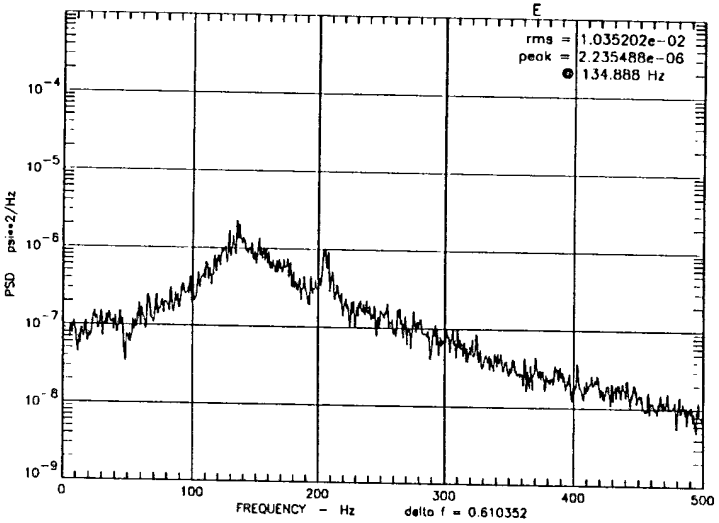
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



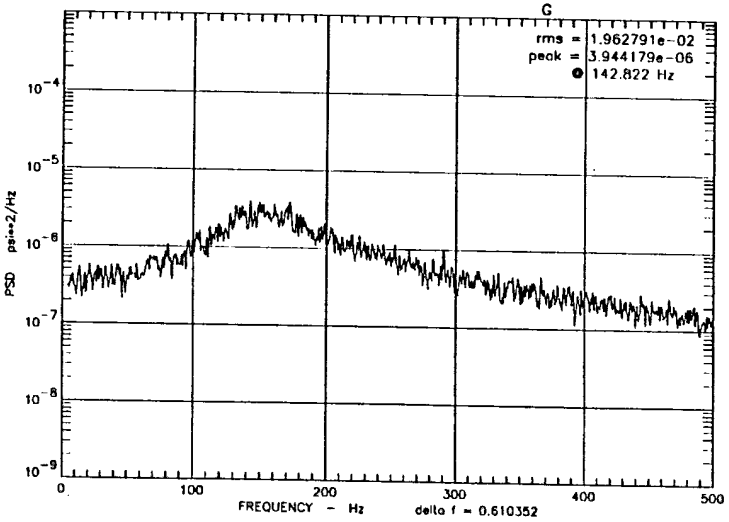
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



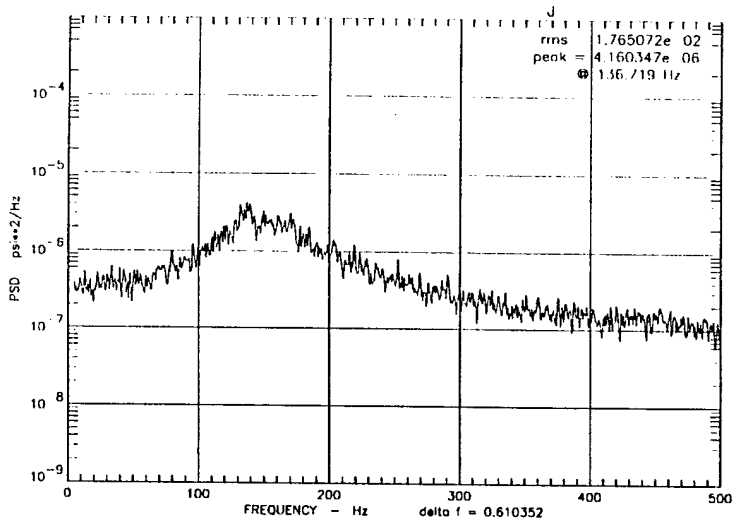
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



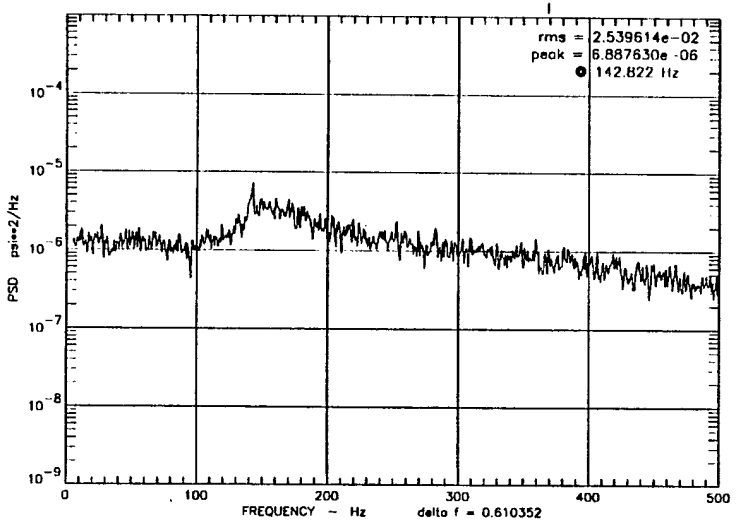
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



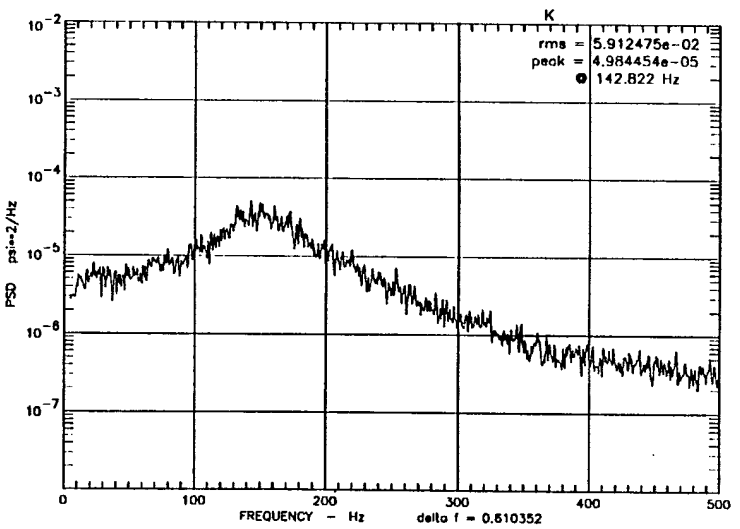
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



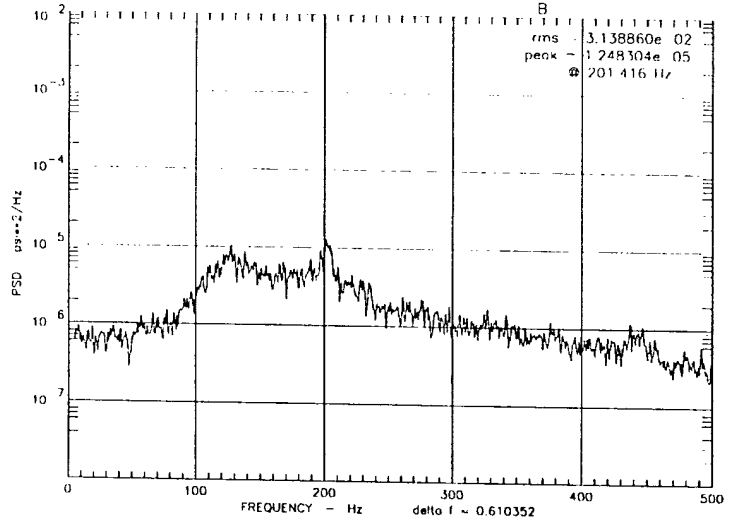
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



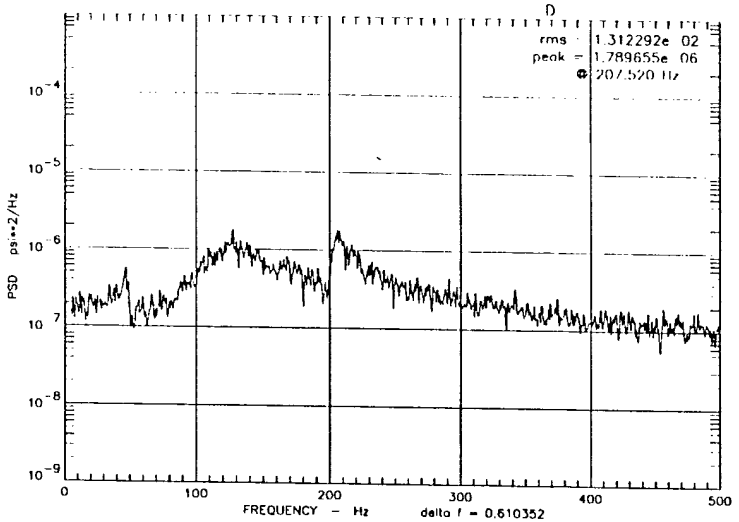
F-15 TPN_3285: q=30 alpha=20 beta=0 bp=45



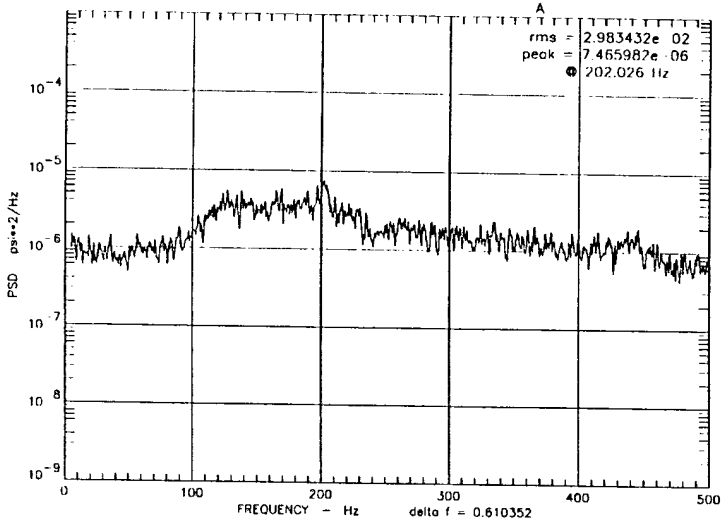
F 15 TPN 3287: q=30 alpha=24 beta=0 bp=45



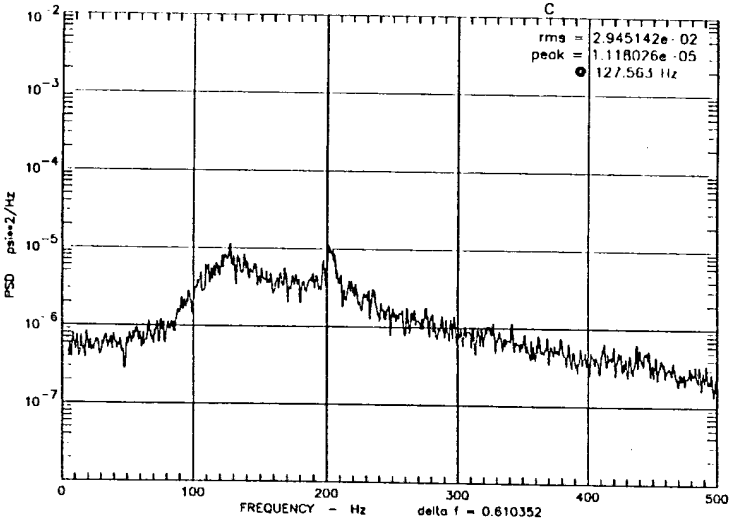
F 15 TPN 3287: q=30 alpha=24 beta=0 bp=45

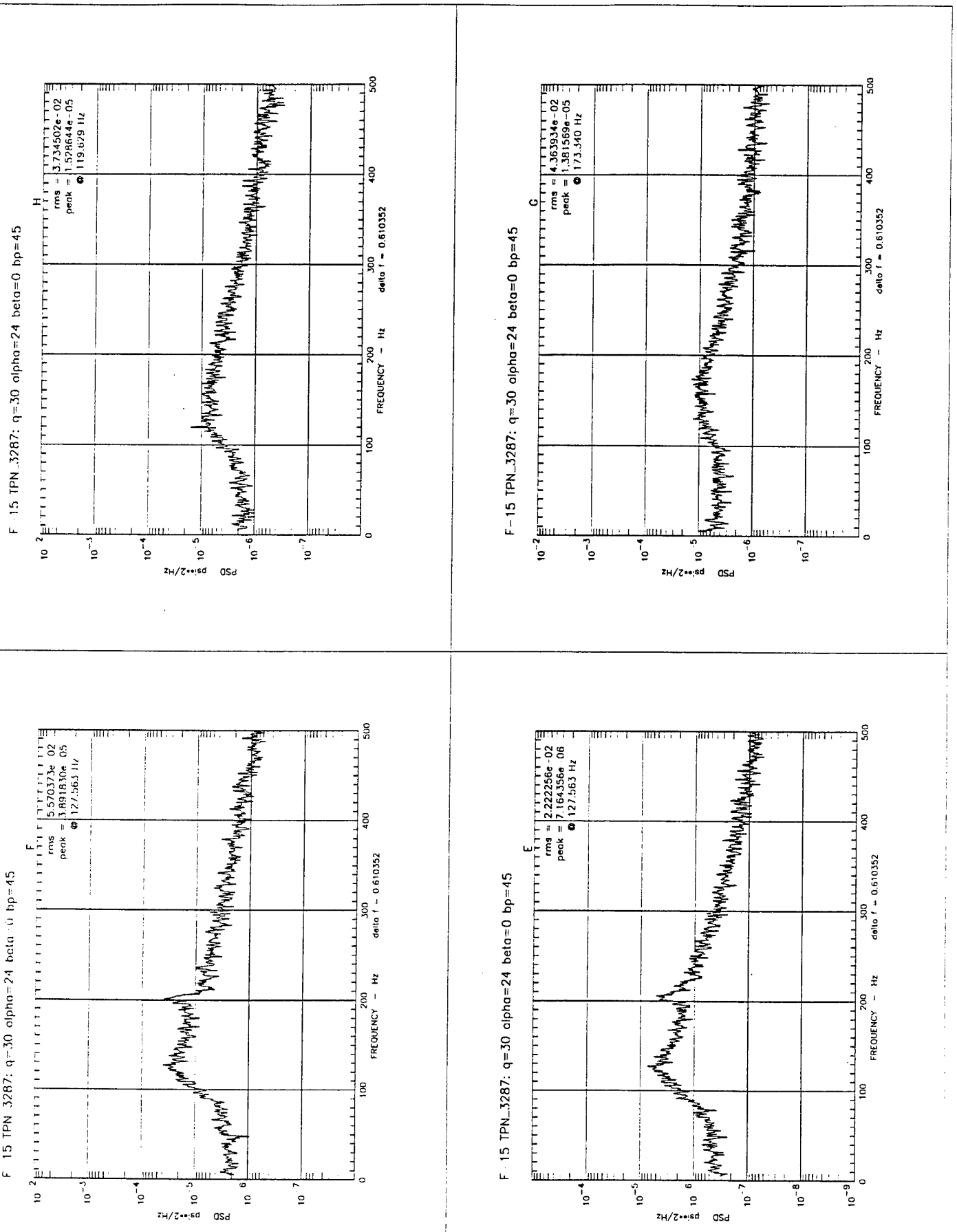


F 15 TPN 3287: q=30 alpha=24 beta=0 bp=45

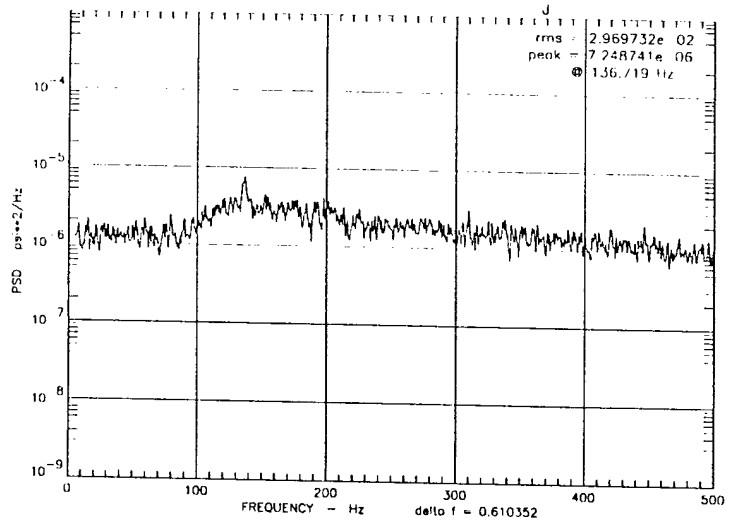


F 15 TPN 3287: q=30 alpha=24 beta=0 bp=45

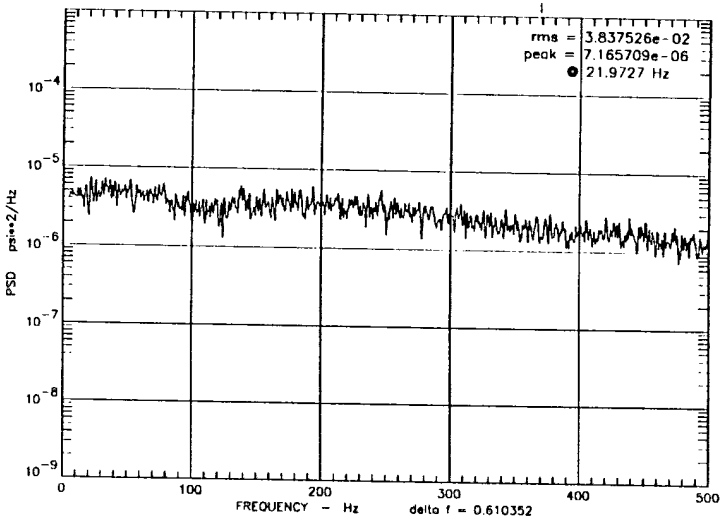



F 15 TPN_3287: q=30 alpha=24 beta=0 bp=45
H
rms = 3.734502e-02
peak = 1.528644e-05
@ 119.629 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3287: q=30 alpha=24 beta=0 bp=45
G
rms = 4.363934e-02
peak = 1.381569e-05
@ 173.340 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN 3287: q=30 alpha=24 beta=0 bp=45
F
rms = 5.570373e 02
peak = 3.891830e 05
@ 127.563 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352
F 15 TPN_3287: q=30 alpha=24 beta=0 bp=45
E
rms = 2.222256e-02
peak = 7.164356e 06
@ 127.563 Hz
PSD ps**2/Hz
FREQUENCY - Hz
delta f = 0.610352

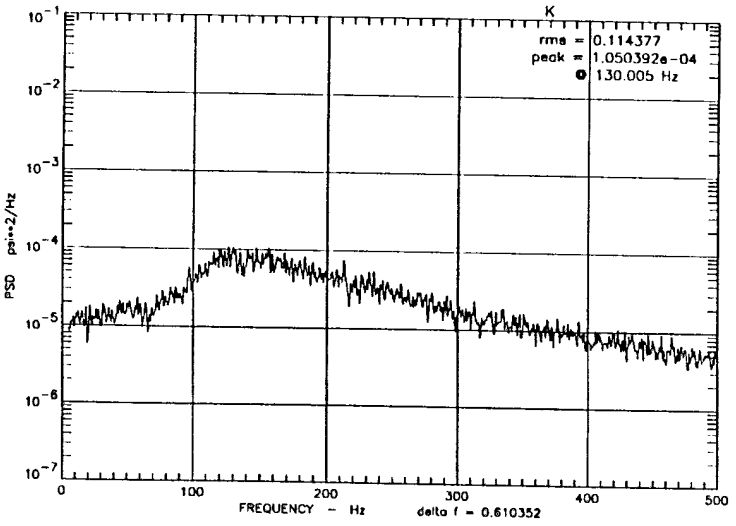
F-15 TPN_3287: q=30 alpha=24 beta=0 bp=45

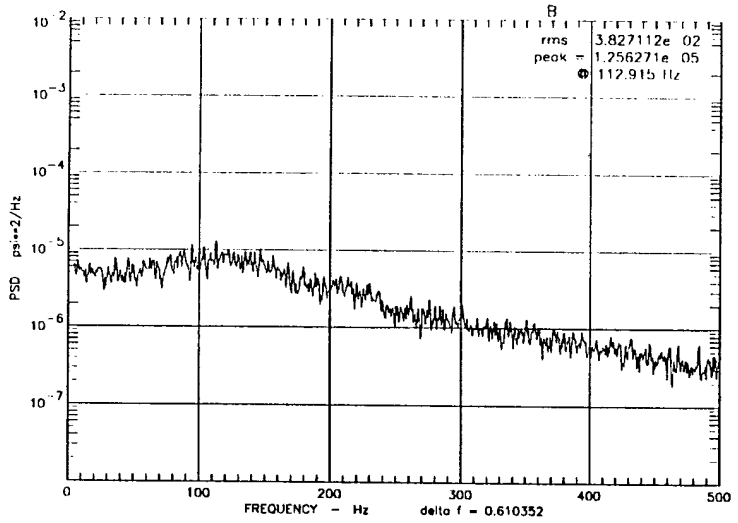


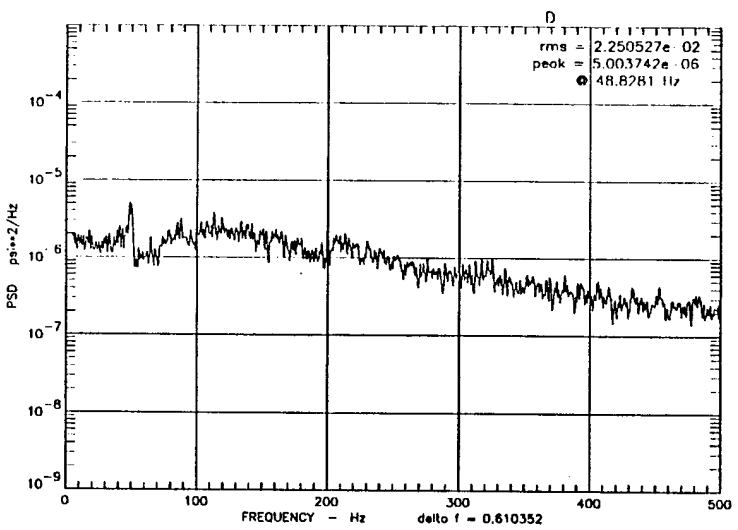
F-15 TPN_3287: q=30 alpha=24 beta=0 bp=45

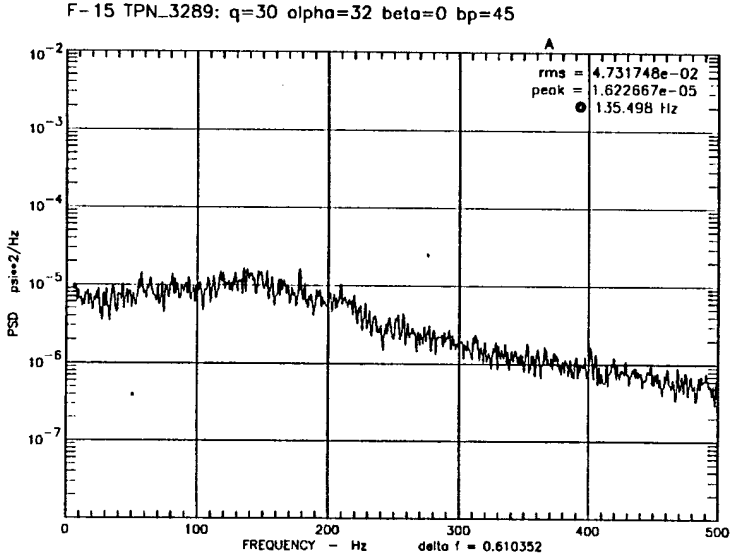


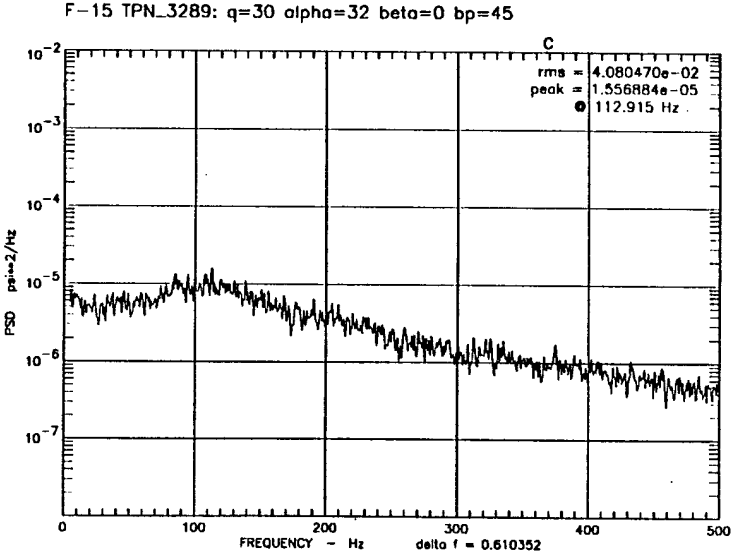
F-15 TPN_3287: q=30 alpha=24 beta=0 bp=45



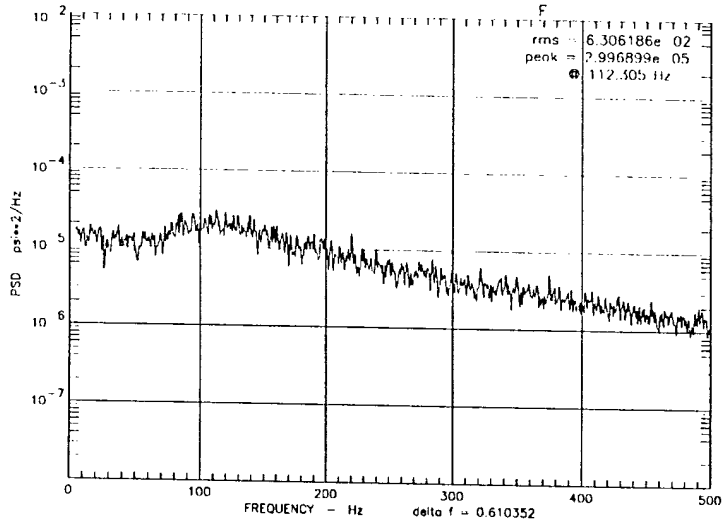

F 15 TPN_3289: q=30 alpha=32 beta=0 bp=45
B
rms = 3.827112e-02
peak = 1.256271e-05
@ 112.915 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3289: q=30 alpha=32 beta=0 bp=45
D
rms = 2.250527e-02
peak = 5.003742e-06
@ 48.8281 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

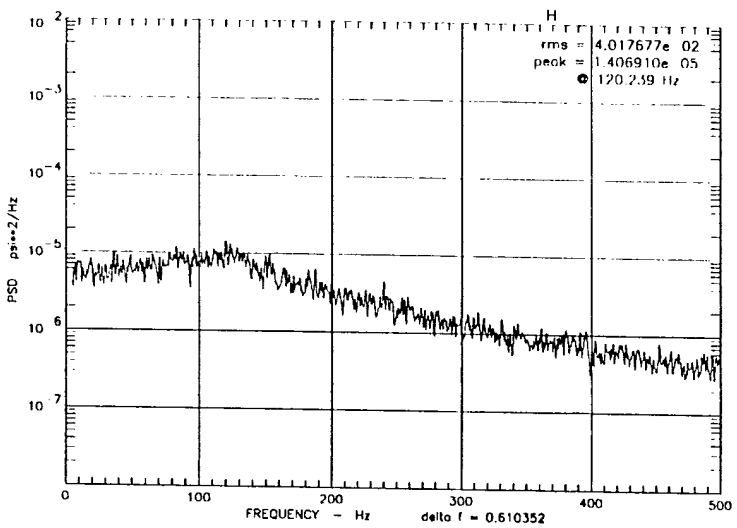

F-15 TPN_3289: q=30 alpha=32 beta=0 bp=45
A
rms = 4.731748e-02
peak = 1.622667e-05
@ 135.498 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352


F-15 TPN_3289: q=30 alpha=32 beta=0 bp=45
C
rms = 4.080470e-02
peak = 1.556884e-05
@ 112.915 Hz
PSD psi**2/Hz
FREQUENCY - Hz
delta f = 0.610352

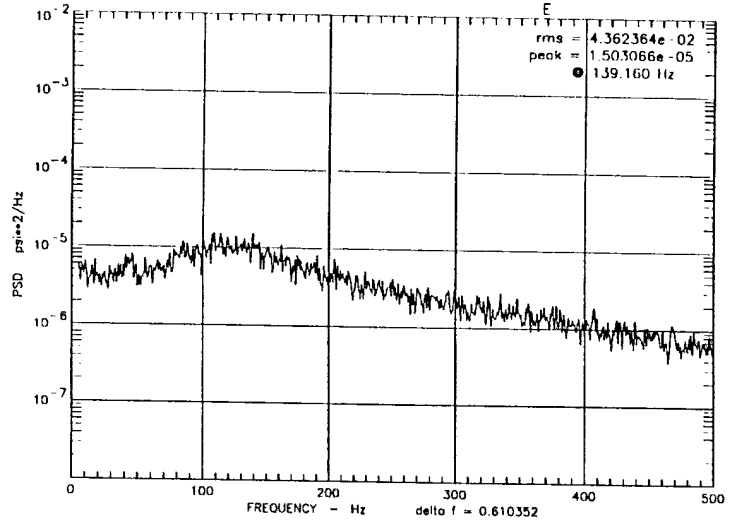
F-15 TPN_3289; q=30 alpha=32 beta=0 bp=45



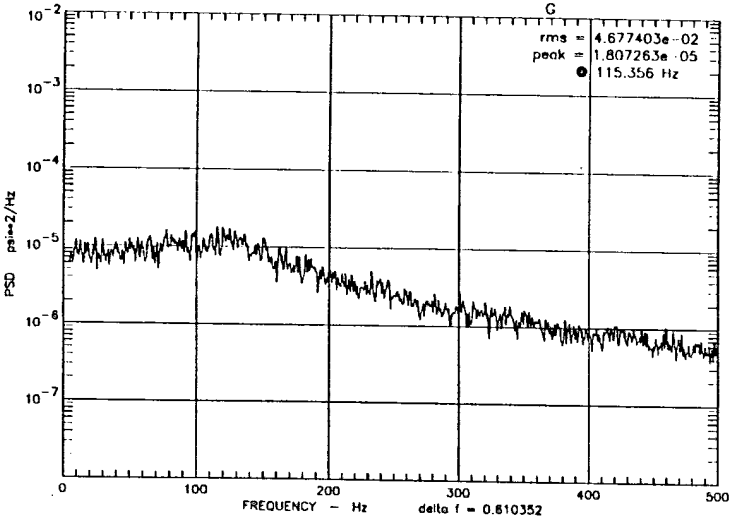
F-15 TPN_3289; q=30 alpha=32 beta=0 bp=45



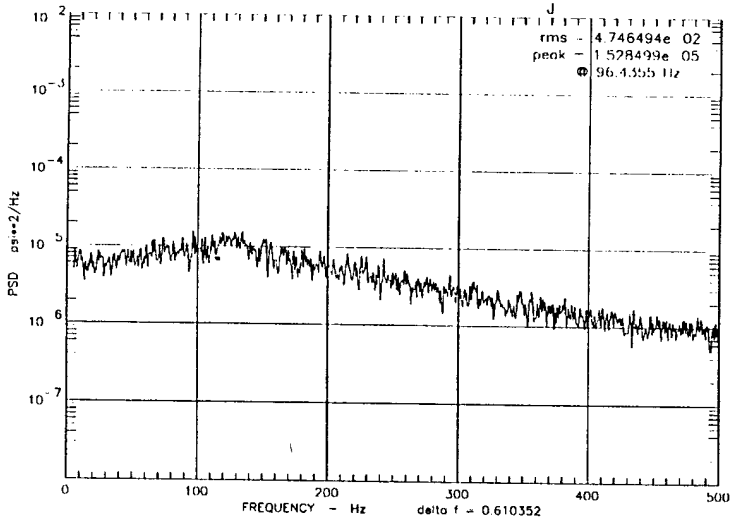
F-15 TPN_3289; q=30 alpha=32 beta=0 bp=45



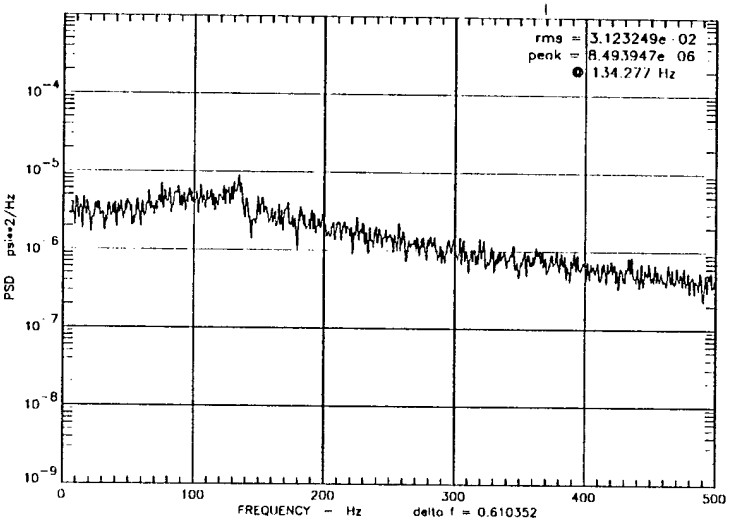
F-15 TPN_3289; q=30 alpha=32 beta=0 bp=45



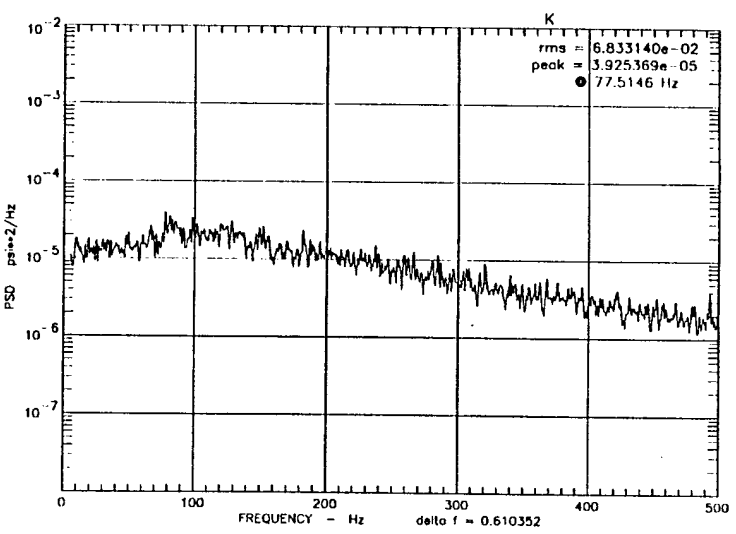
F-15 TPN 3289: q=30 alpha=32 beta=0 bp=45



F-15 TPN_3289: q=30 alpha=32 beta=0 bp=45



F-15 TPN_3289: q=30 alpha=32 beta=0 bp=45



PRESSURE PSD's
Q= 30 PSF

2.2.2 RMS SUMMARY TABS AND GRAPHS

F-15 Vertical Tail Buffet Test: Overall RMS of pressure data (psi, 5-500 Hz), Q=30 psf

0 psi blowing pressure:

Beta = 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00130	.00100	.00091	.00114	.00073	.00121	.00426	.00457	.00480	.00488	.00613
	20	.00856	.00949	.00838	.00313	.00482	.01565	.03387	.04112	.04316	.03536	.08714
	24	.02413	.02760	.02257	.00910	.01548	.05113	.04581	.05513	.04691	.05245	.12050
	32	.05786	.05126	.05493	.02880	.05730	.09454	.04641	.03705	.03309	.04258	.05624

Beta = 0:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00138	.00090	.00087	.00103	.00068	.00151	.00345	.00842	.00676	.00513	.02500
	20	.01858	.02040	.01707	.00691	.01053	.02664	.02112	.02011	.02621	.01783	.06289
	24	.03682	.03892	.03557	.01565	.02817	.07528	.04347	.03814	.03797	.02948	.11700
	32	.05456	.04110	.04634	.02682	.05128	.06666	.05062	.04564	.03260	.05179	.08329

45 psi blowing pressure:

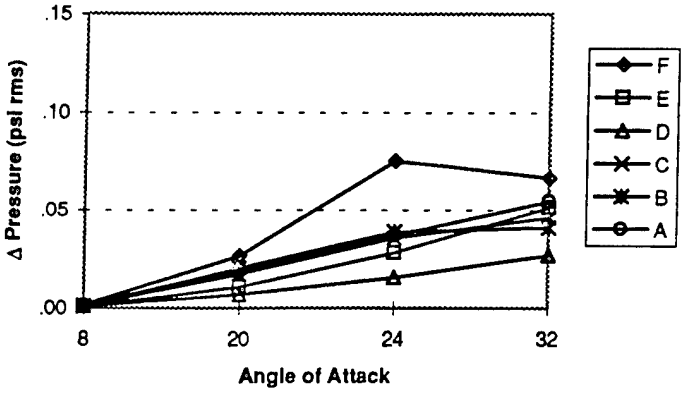
Beta = 4:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00151	.00100	.00088	.00113	.00070	.00133	.00410	.00446	.00511	.00449	.00574
	20	.00781	.00846	.00760	.00316	.00471	.01623	.02997	.03873	.04452	.03303	.07974
	24	.01656	.01910	.01491	.00676	.01145	.03674	.04412	.05367	.04802	.05203	.12140
	32	.05557	.04551	.04753	.02552	.04910	.07492	.04293	.03502	.03133	.04071	.05434

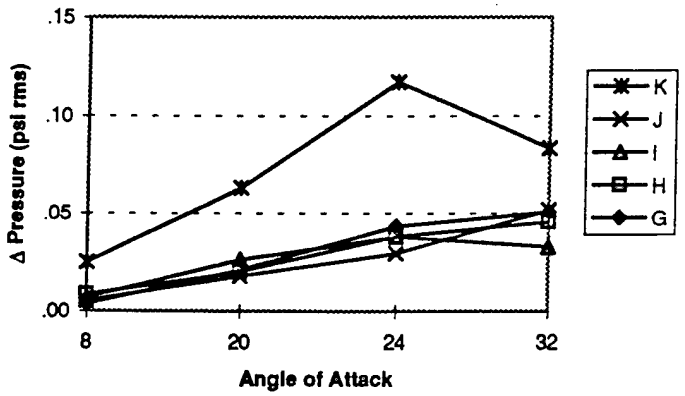
Beta = 0:

Alpha:		Flexible						Rigid				
		A	B	C	D	E	F	G	H	I	J	K
	8	.00149	.00093	.00088	.00099	.00069	.00116	.00332	.00719	.00568	.00481	.01454
	20	.01502	.01785	.01618	.00680	.01035	.02305	.01963	.01868	.02540	.01765	.05912
	24	.02983	.03139	.02945	.01312	.02222	.05570	.04364	.03734	.03838	.02970	.11440
	32	.04732	.03827	.04080	.02251	.04632	.06306	.04677	.04018	.03123	.04746	.06833

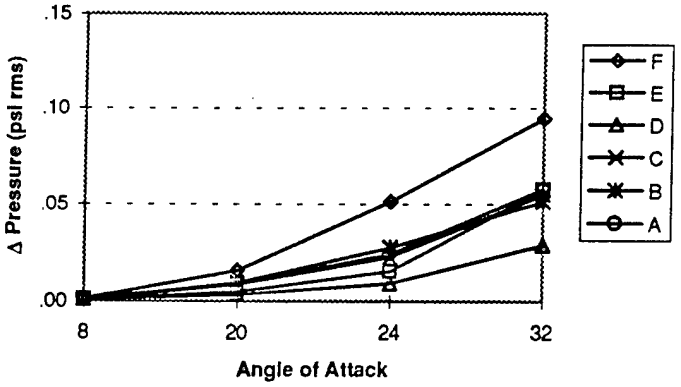
Flex Tail: Q=30 psf, Beta=0
0 psi blowing @ wing L.E.



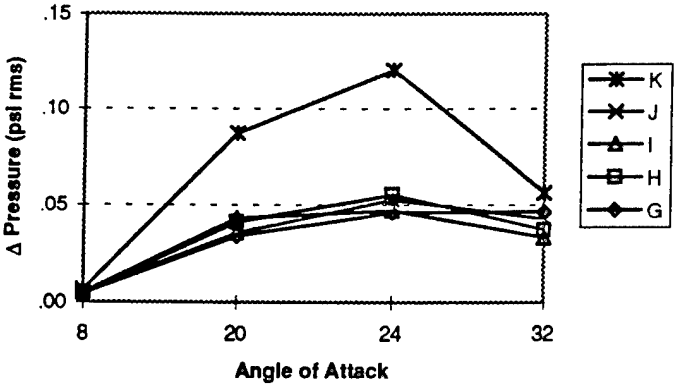
Rigid Tail: Q=30 psf, Beta=0
0 psi blowing @ wing L.E.



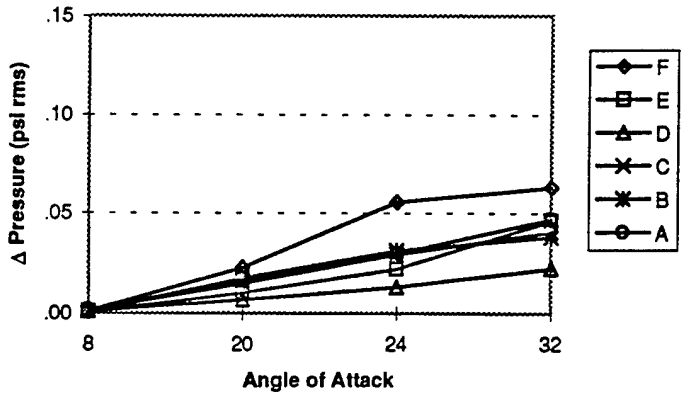
Flex Tail: Q=30 psf, Beta=4
0 psi blowing @ wing L.E.



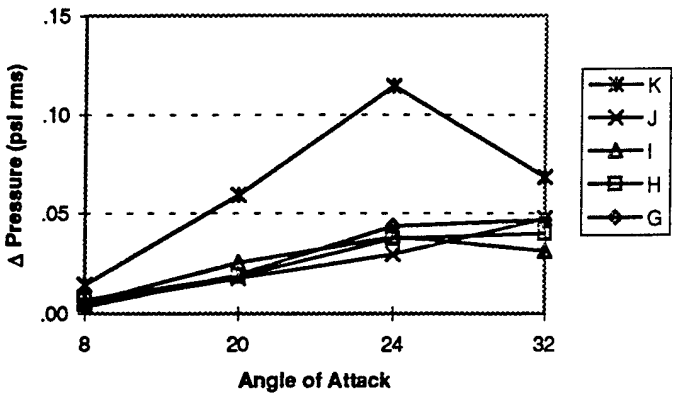
Rigid Tail: Q=30 psf, Beta=4
0 psi blowing @ wing L.E.



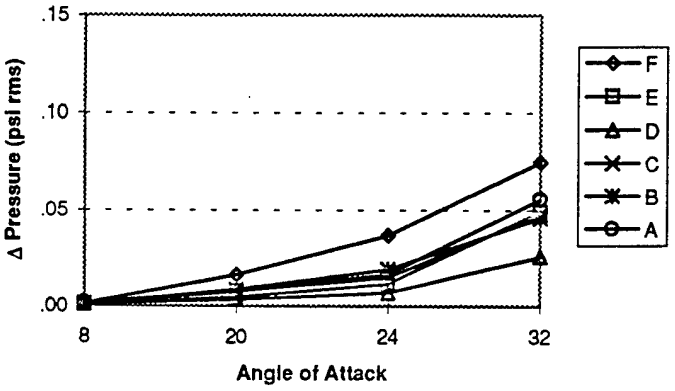
Flex Tail: Q=30 psf, Beta=0
45 psi blowing @ wing L.E.



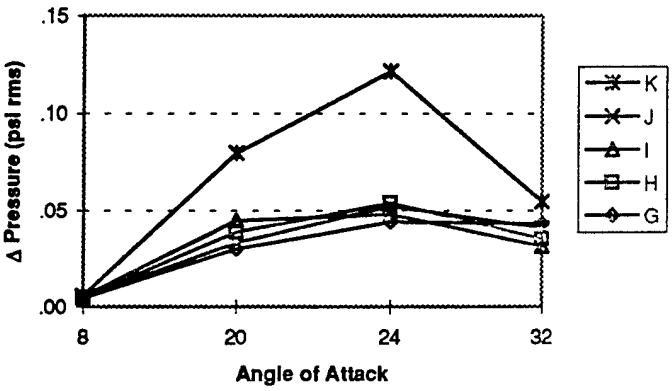
Rigid Tail: Q=30 psf, Beta=0
45 psi blowing @ wing L.E.



Flex Tail: Q=30 psf, Beta=4
45 psi blowing @ wing L.E.



Rigid Tail: Q=30 psf, Beta=4
45 psi blowing @ wing L.E.



2.3 CSD GRAPHS, Q= 56 PSF

2.3.1 CSD MAGNITUDE GRAPHS

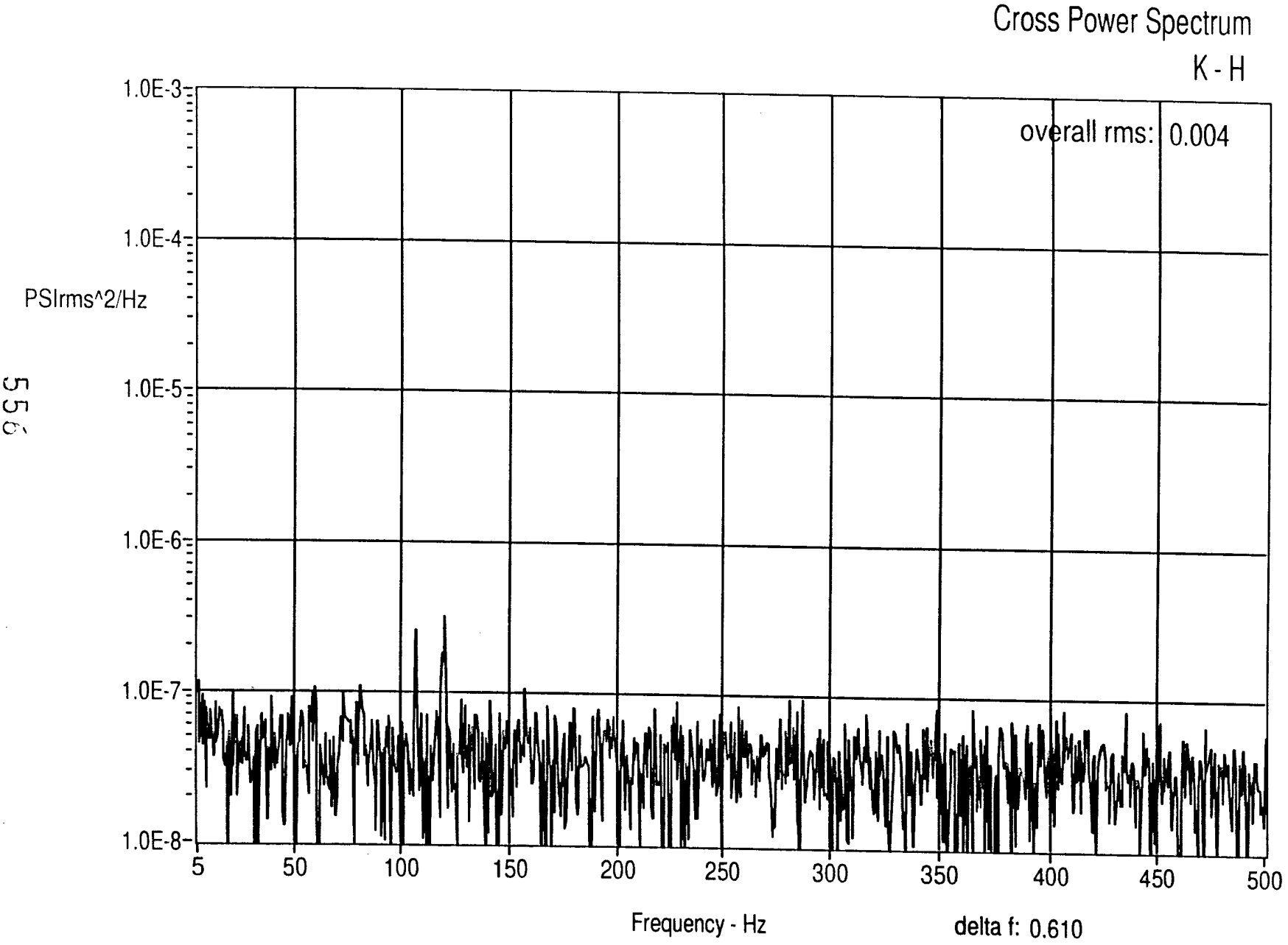
2.3.2 RMS SUMMARY TABS OF MAGNITUDES

2.3.3 PHASE PLOTS

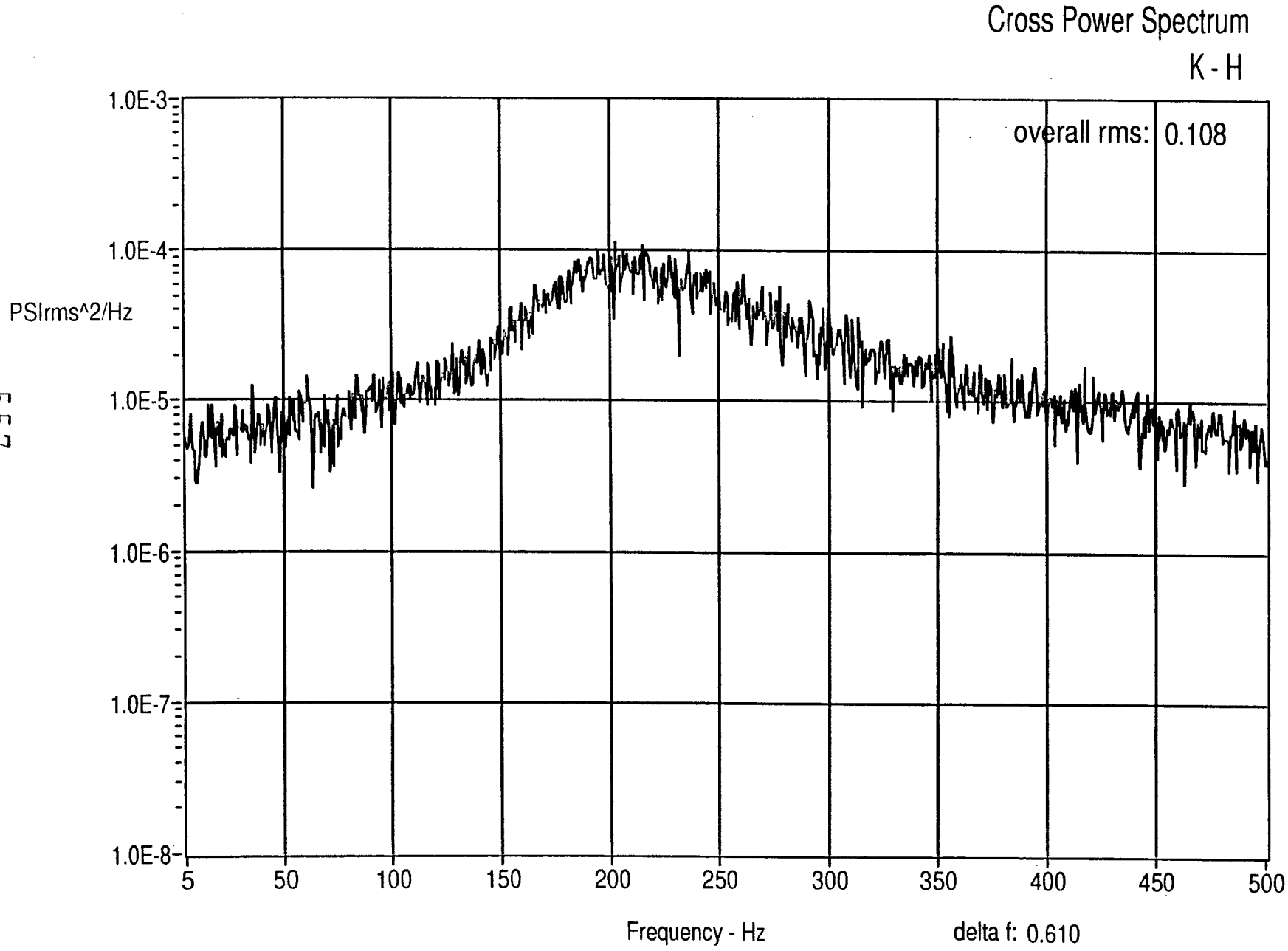
CSD GRAPHS
Q= 56 PSF

2.3.1 CSD MAGNITUDE GRAPHS

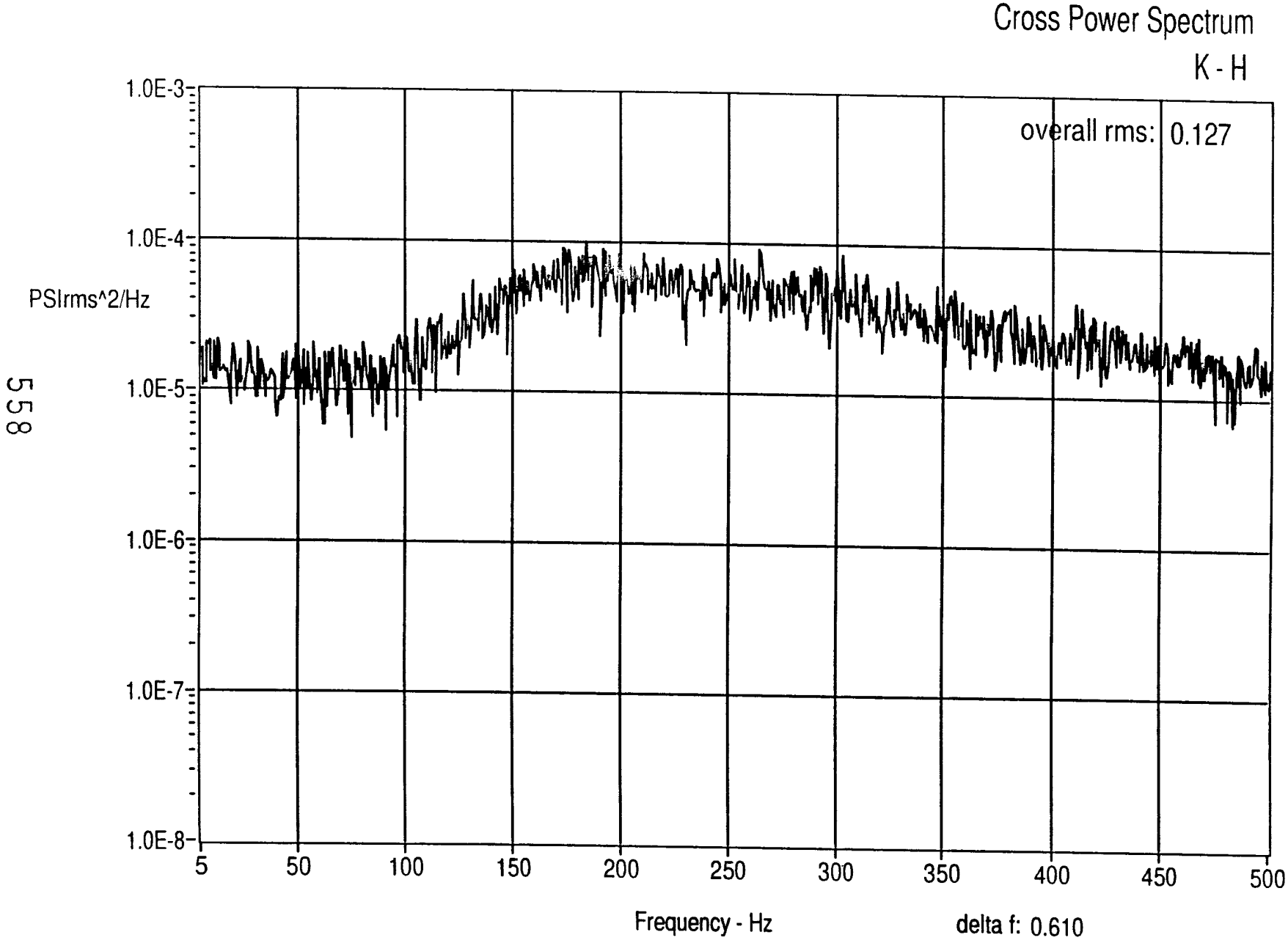
F-15 TPN_2918: alpha=8 beta=4 bp=0



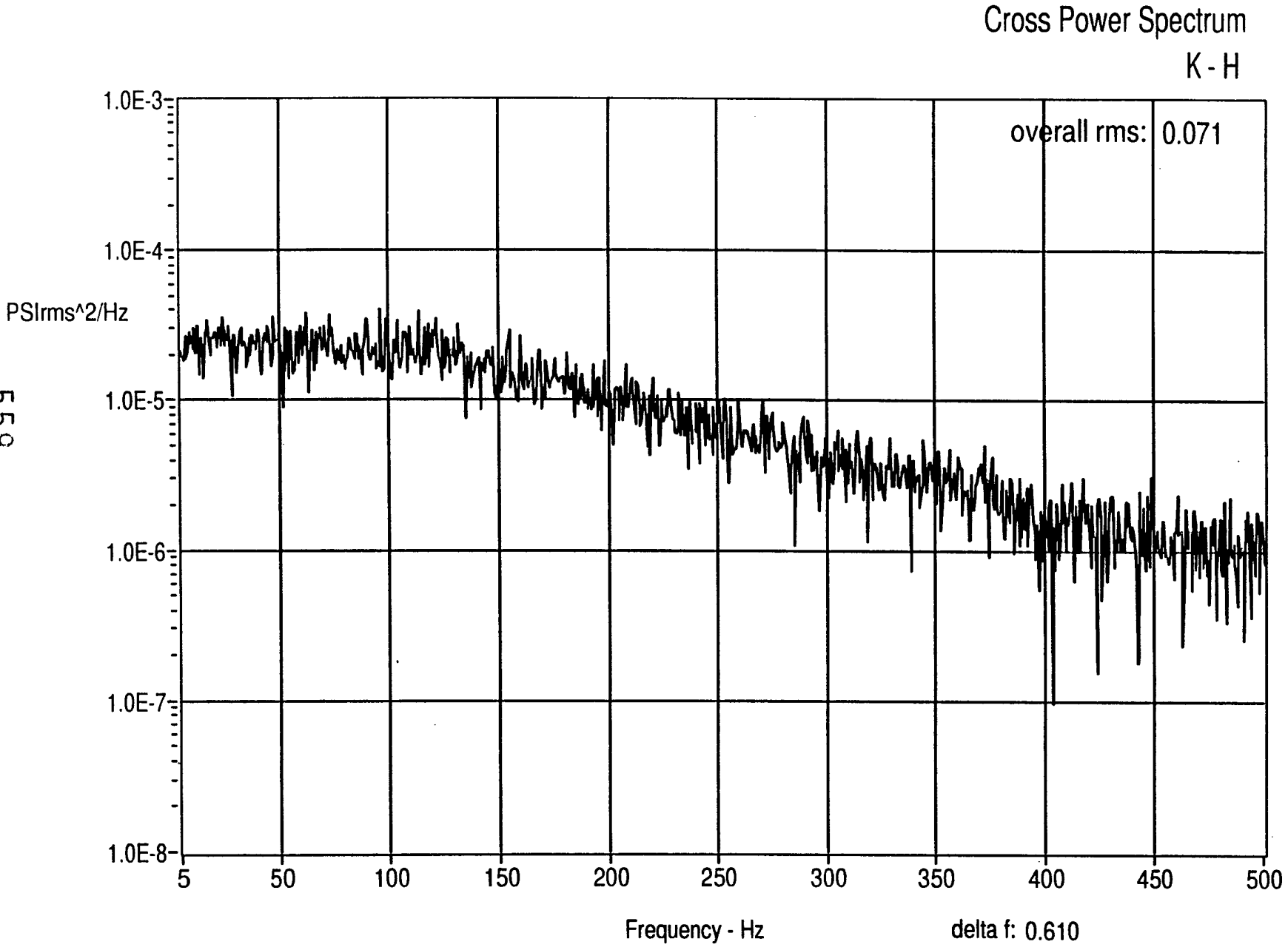
F-15 TPN_2924: alpha=20 beta=4 bp=0



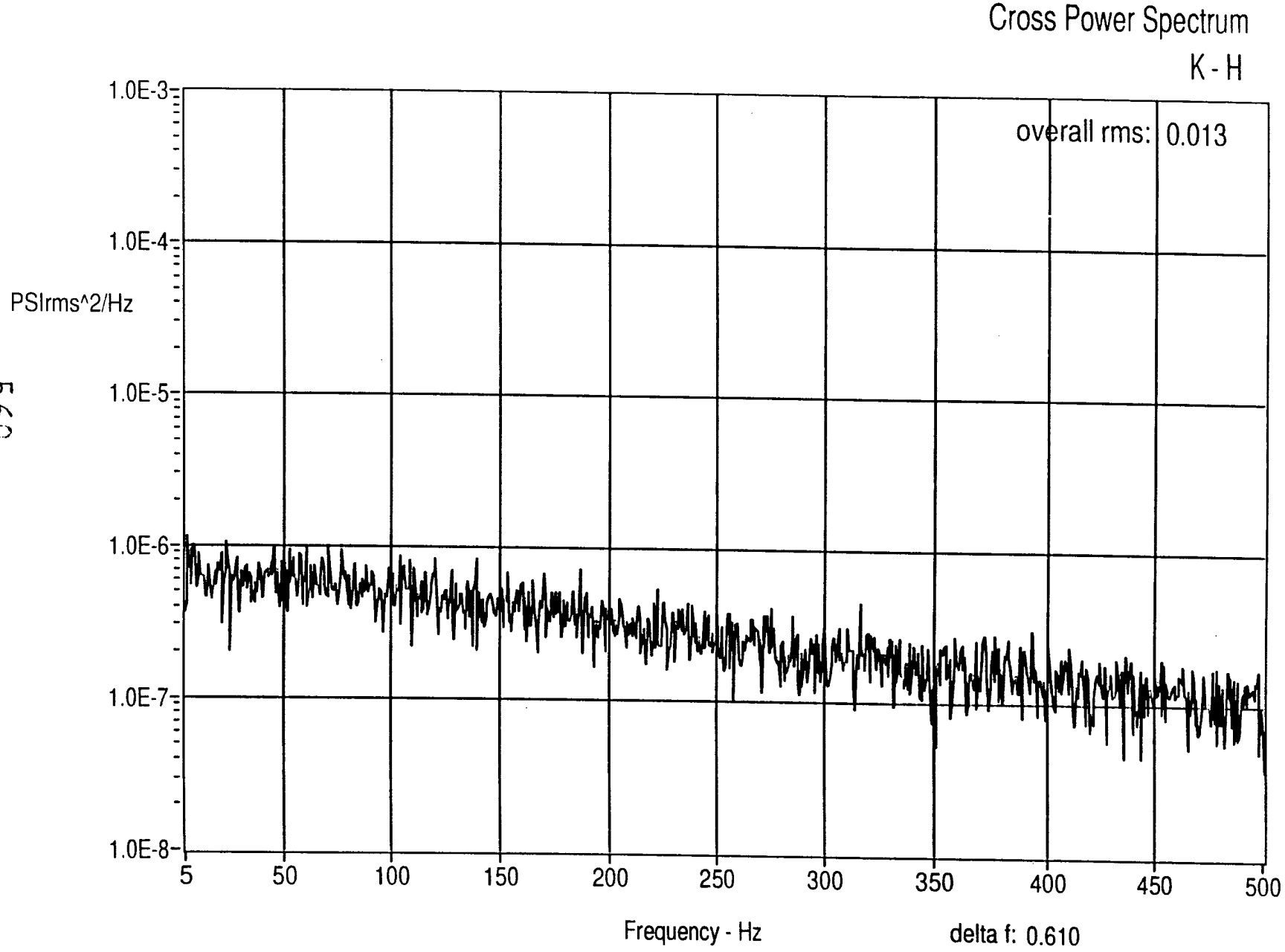
F-15 TPN_2926: alpha=24 beta=4 bp=0



F-15 TPN_2928: alpha=32 beta=4 bp=0

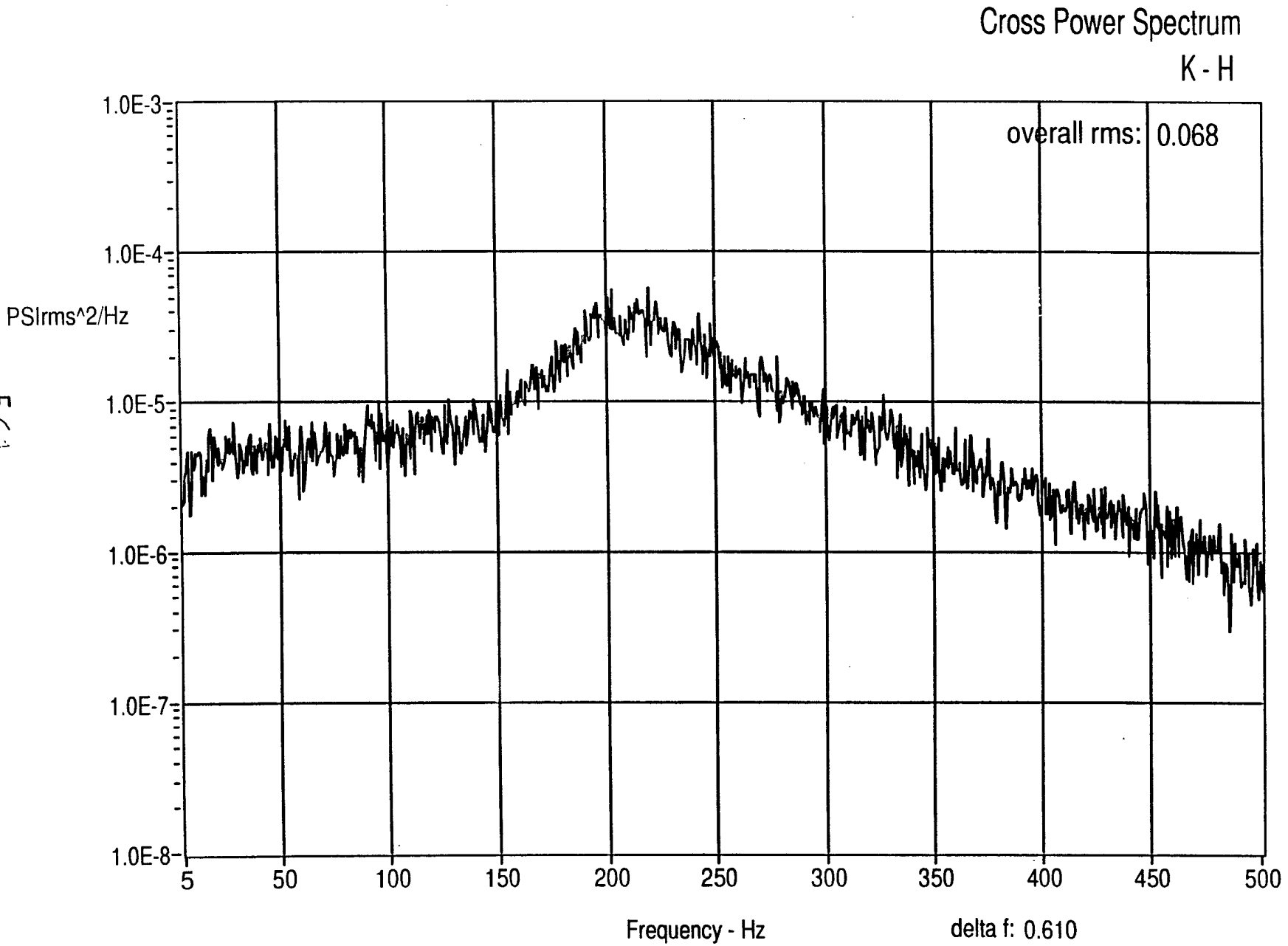


F-15 TPN_2844: alpha=8 beta=0 bp=0

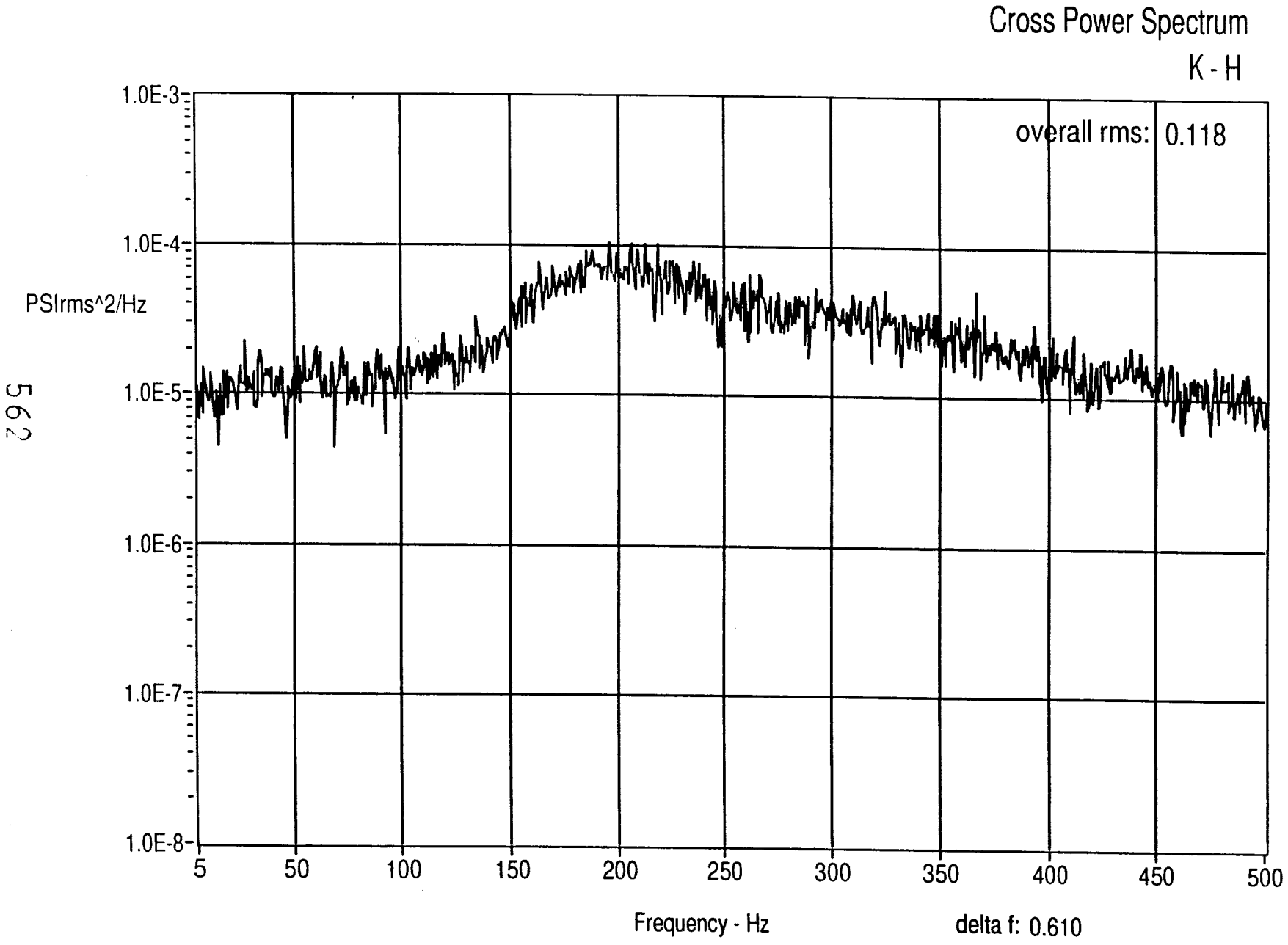


560

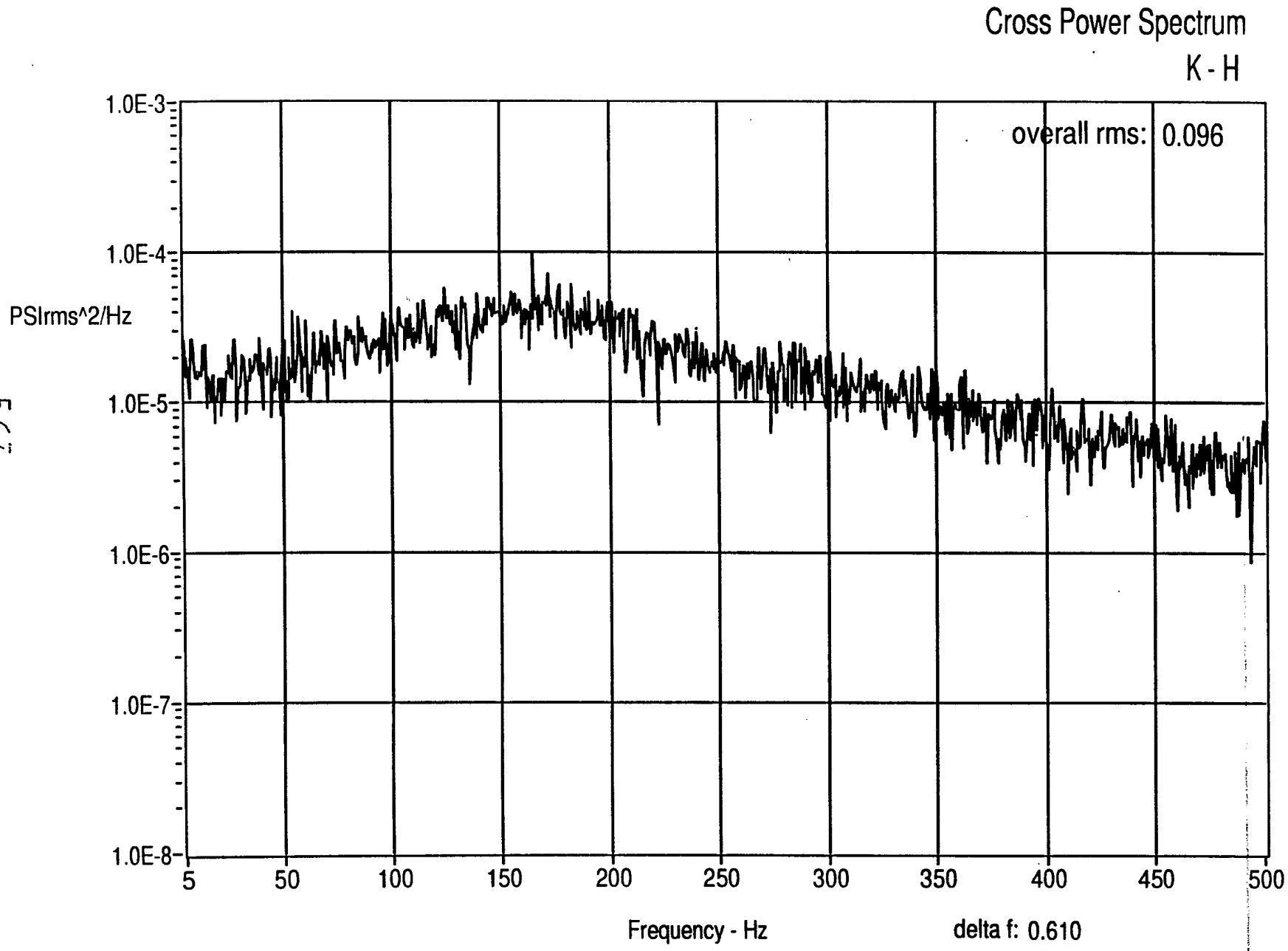
F-15 TPN_2850: alpha=20 beta=0 bp=0



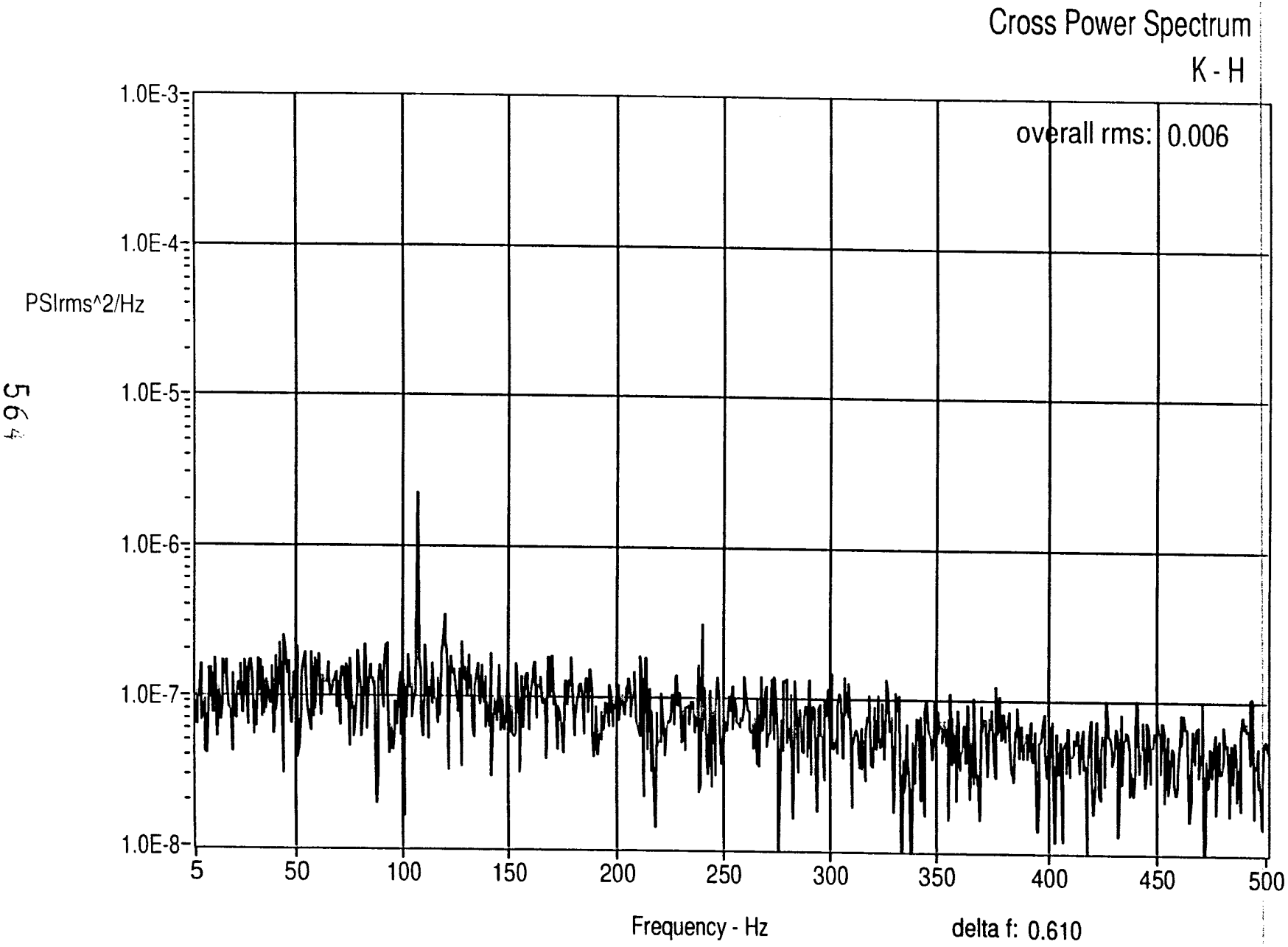
F-15 TPN_2852: alpha=24 beta=0 bp=0



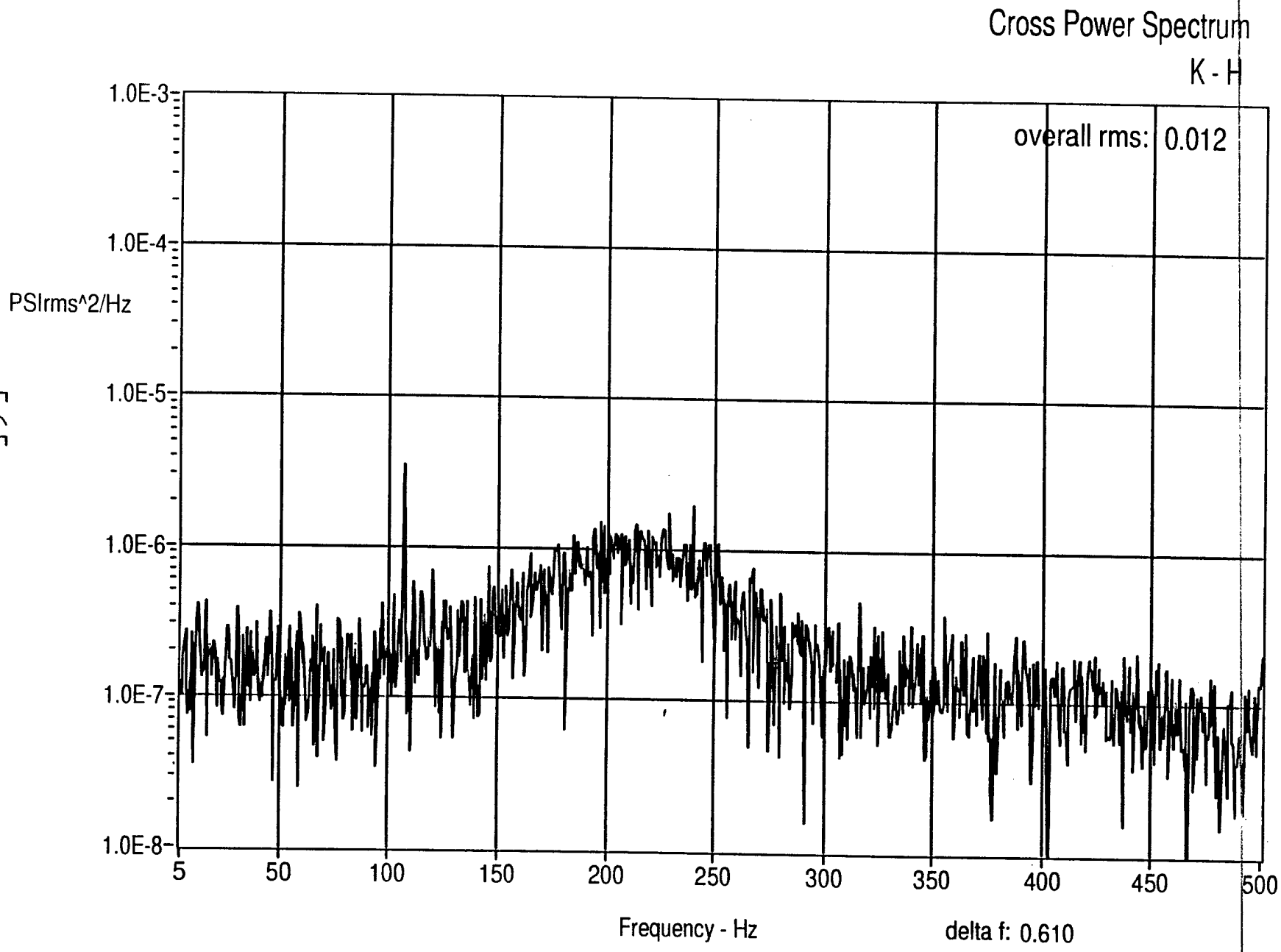
F-15 TPN_2854: alpha=32 beta=0 bp=0



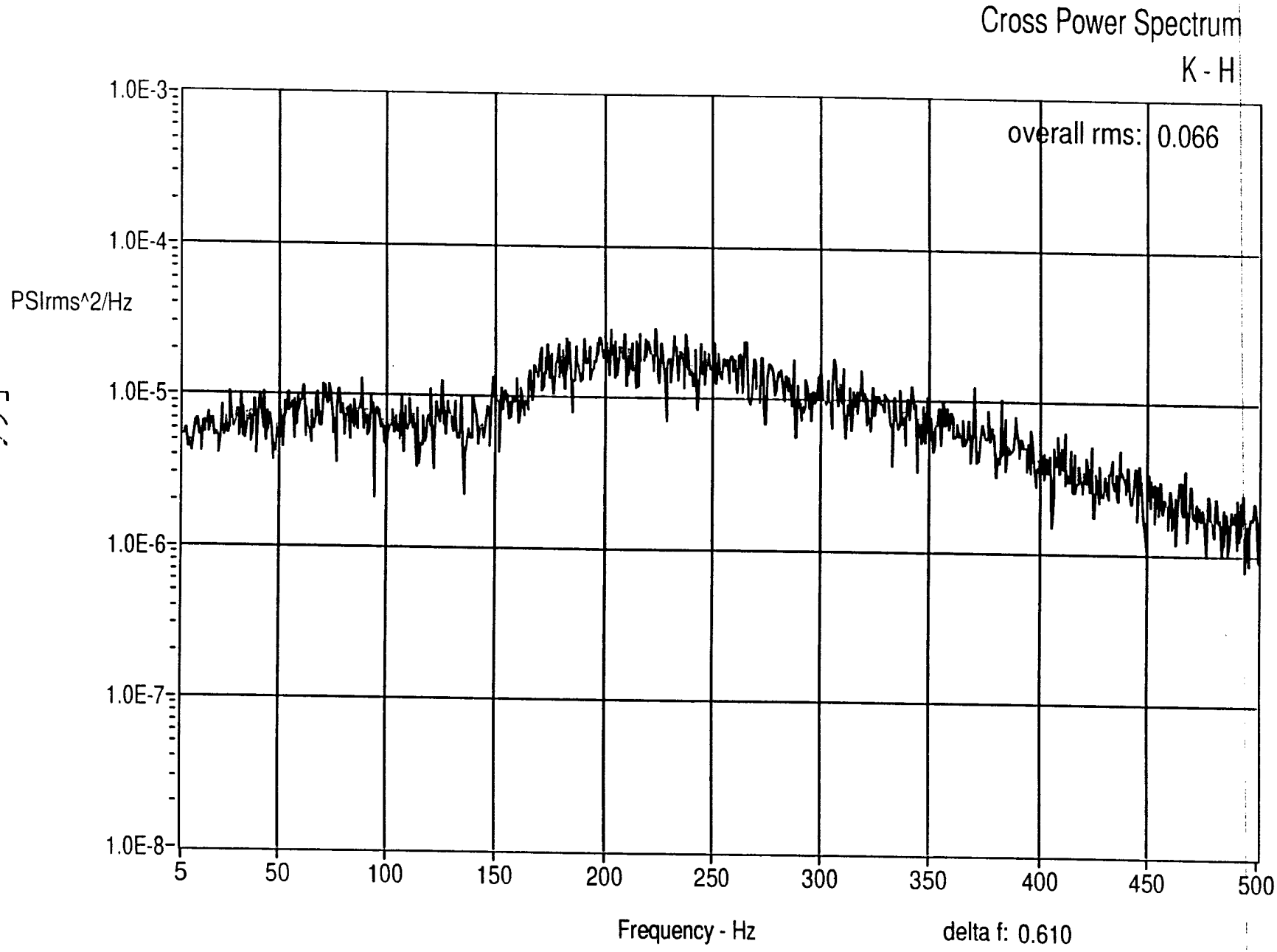
F-15 TPN_2864: alpha=8 beta=-4 bp=0



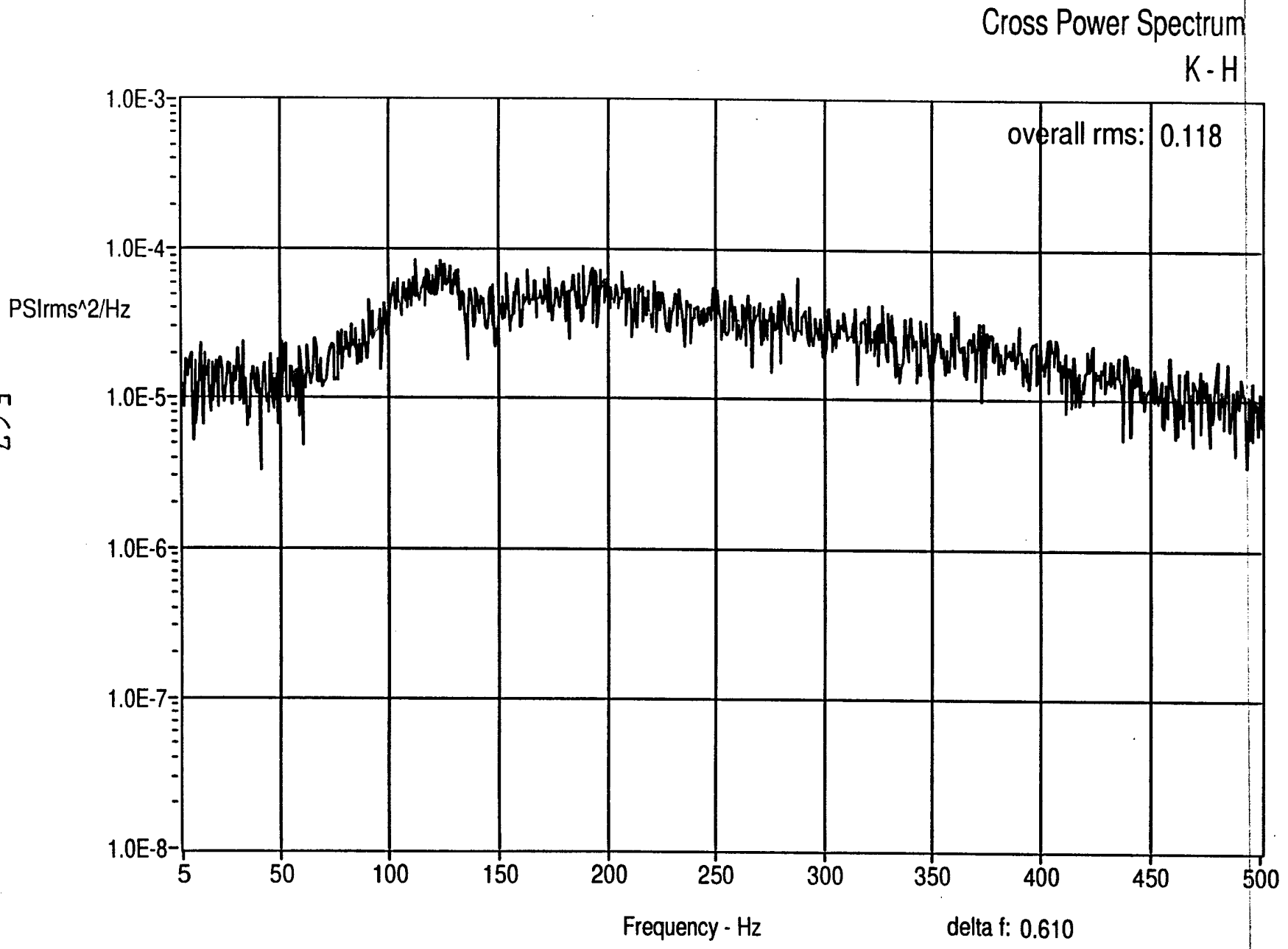
F-15 TPN_2870: alpha=20 beta=-4 bp=0



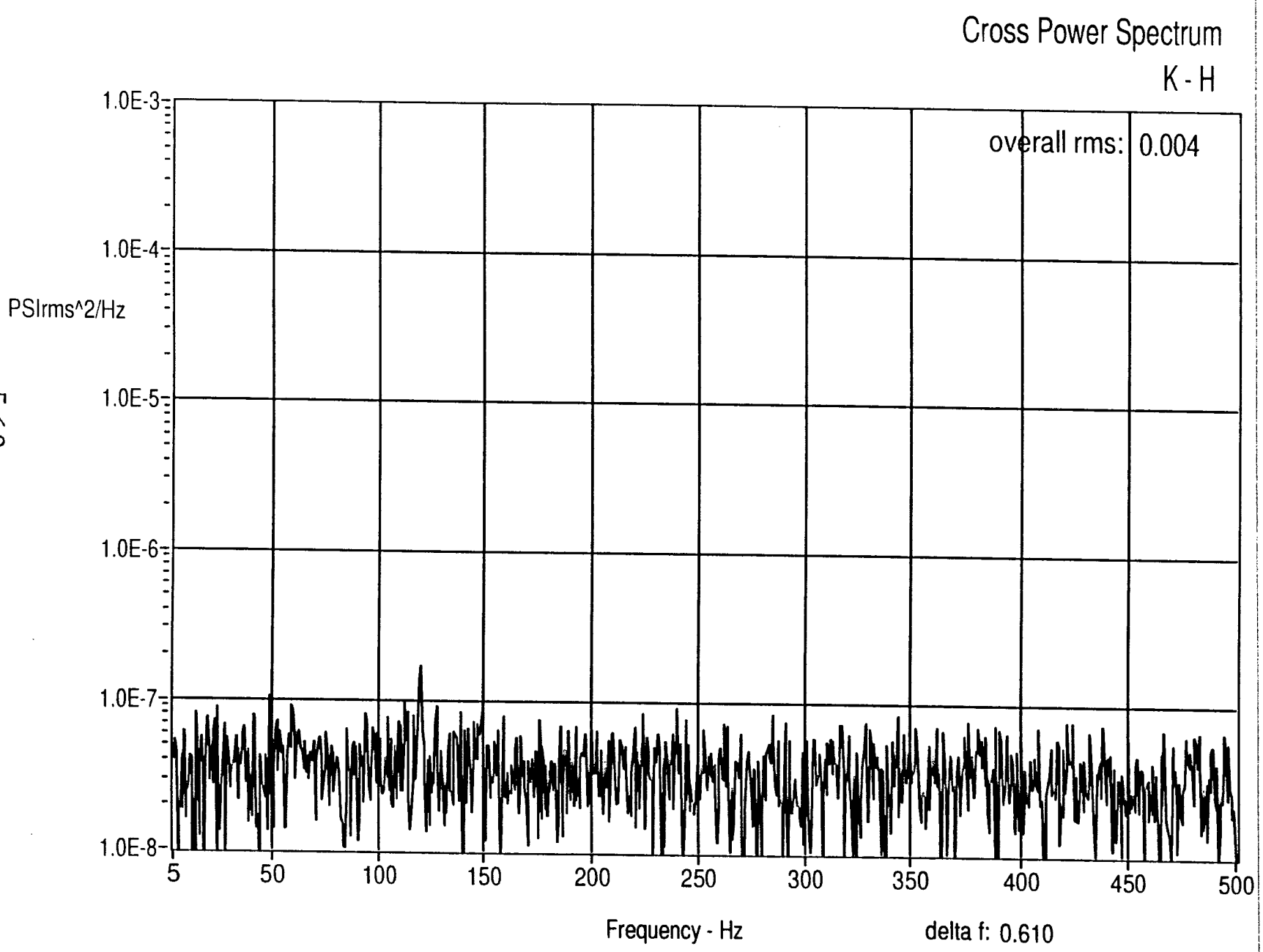
F-15 TPN_2872: alpha=24 beta=-4 bp=0



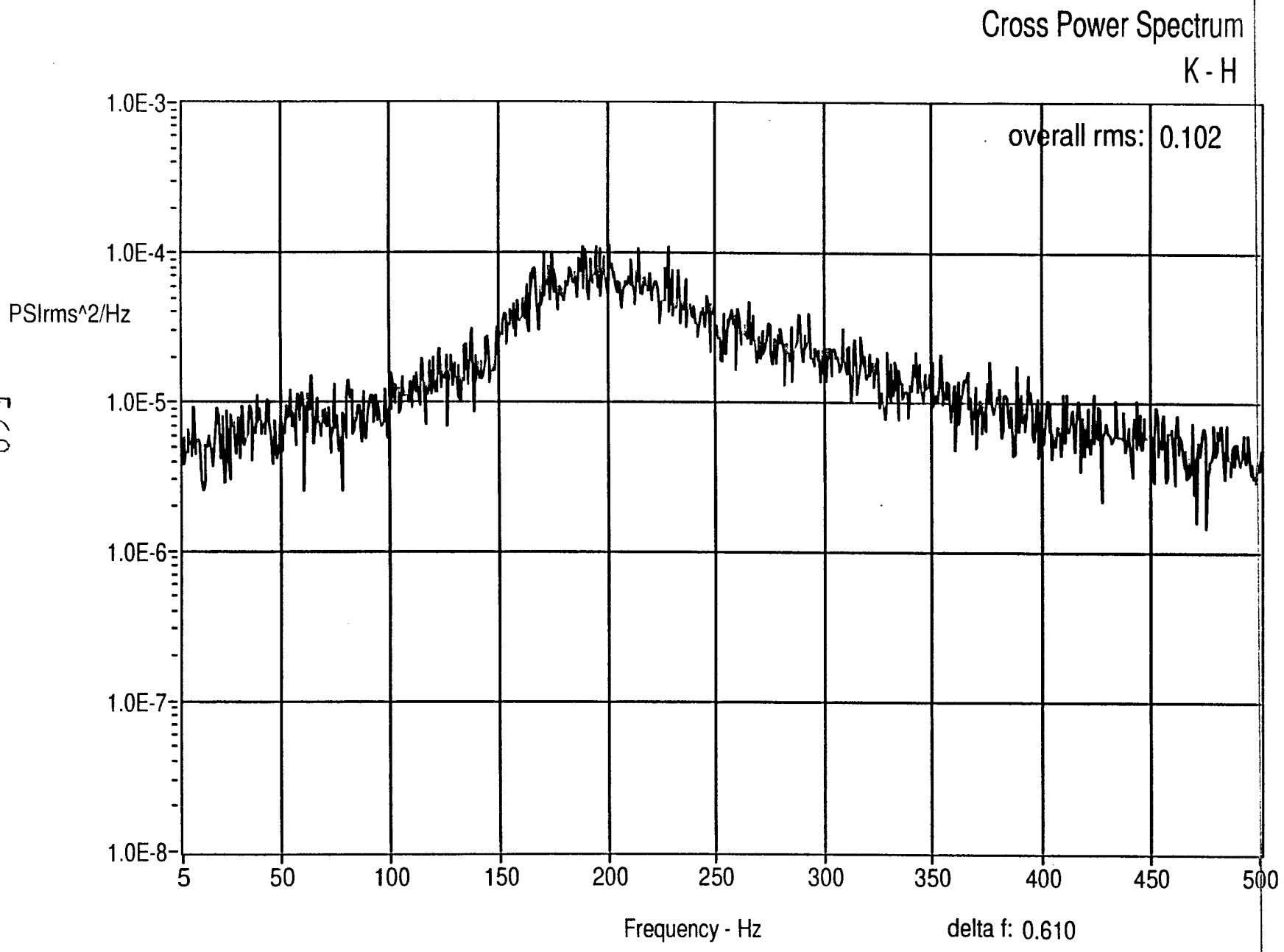
F-15 TPN_2874: alpha=32 beta=-4 bp=0



F-15 TPN_3351: alpha=8 beta=4 bp=45

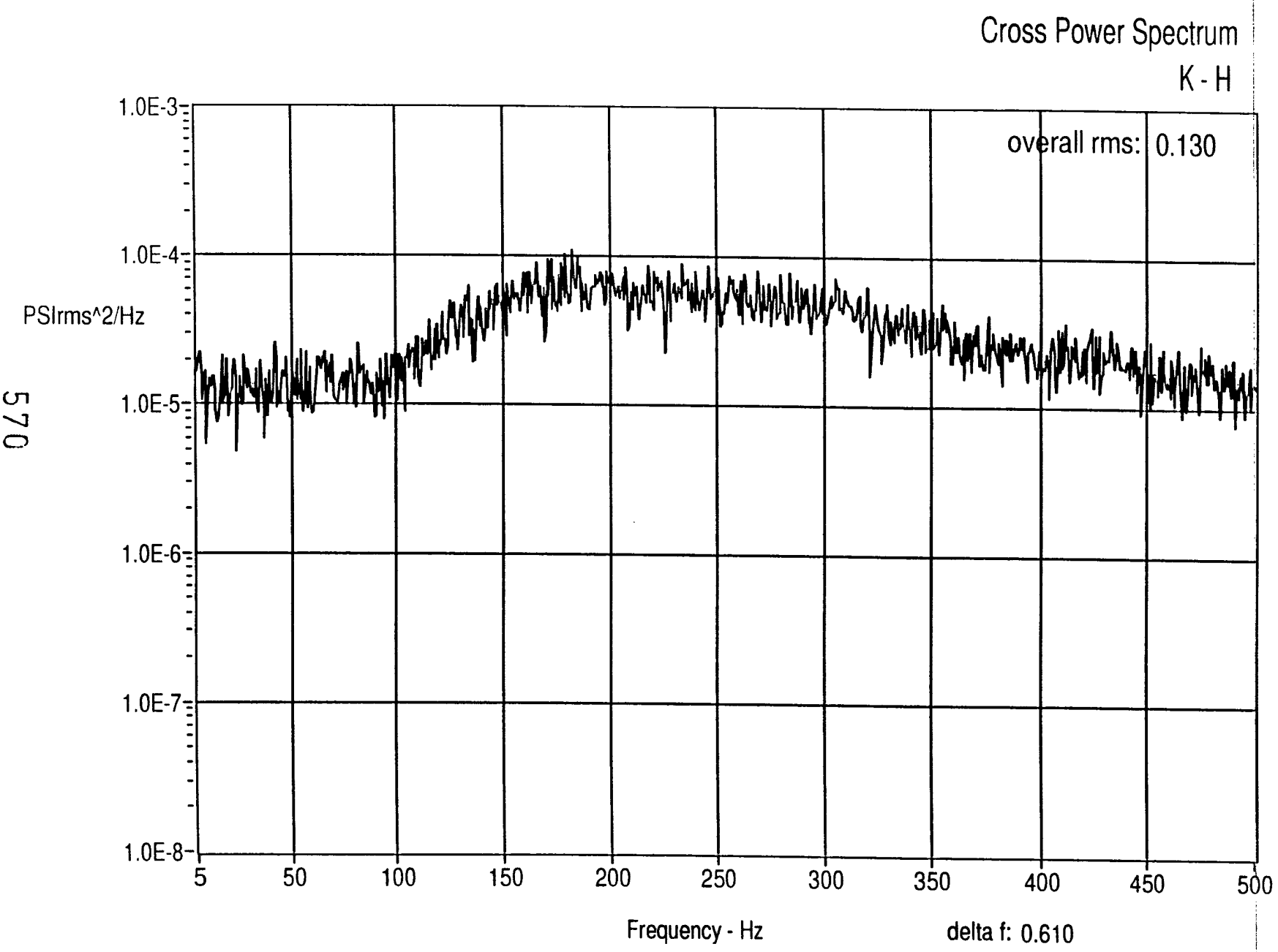


F-15 TPN_3357: alpha=20 beta=4 bp=45



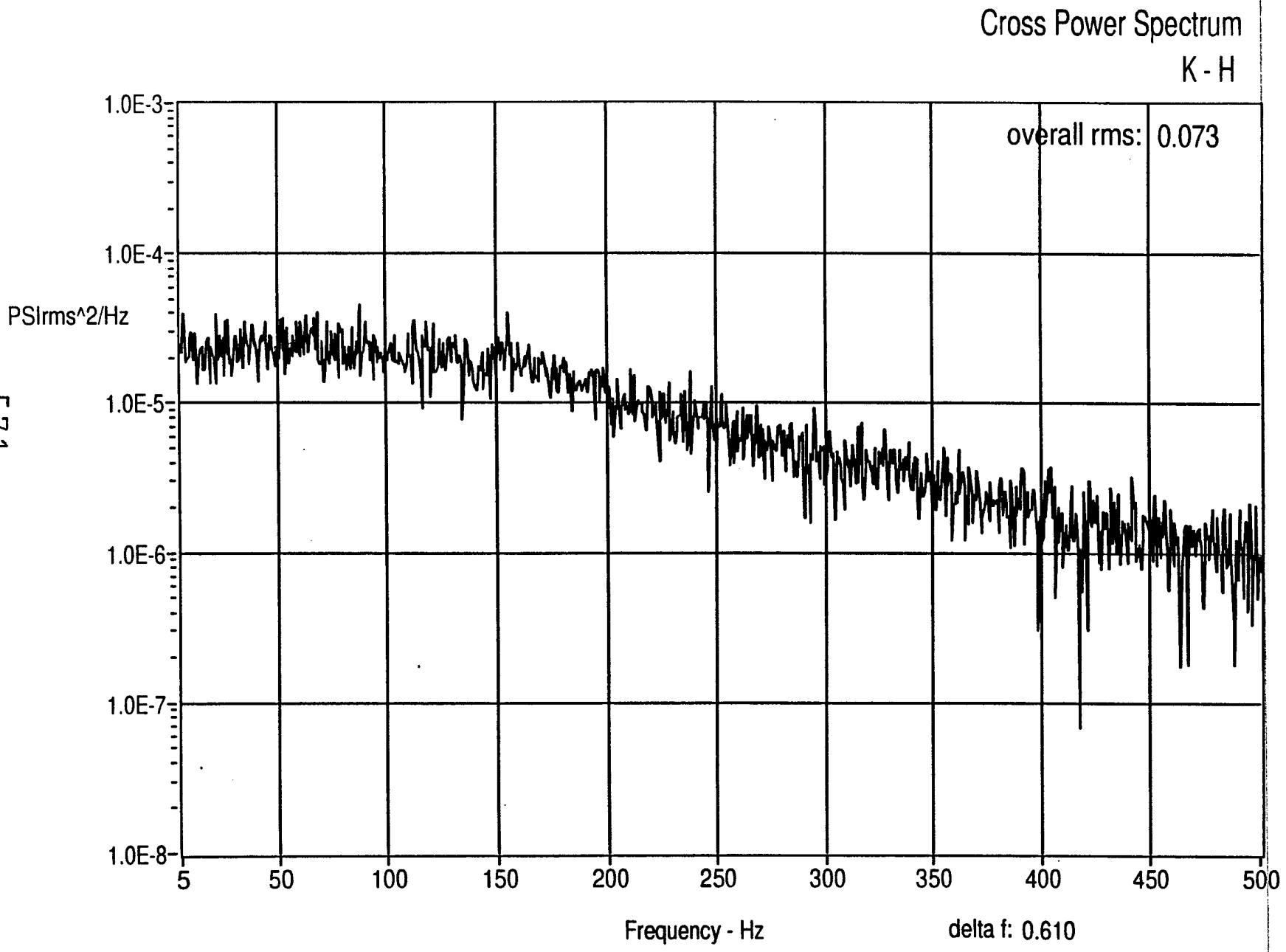
569

F-15 TPN_3359: alpha=24 beta=4 bp=45

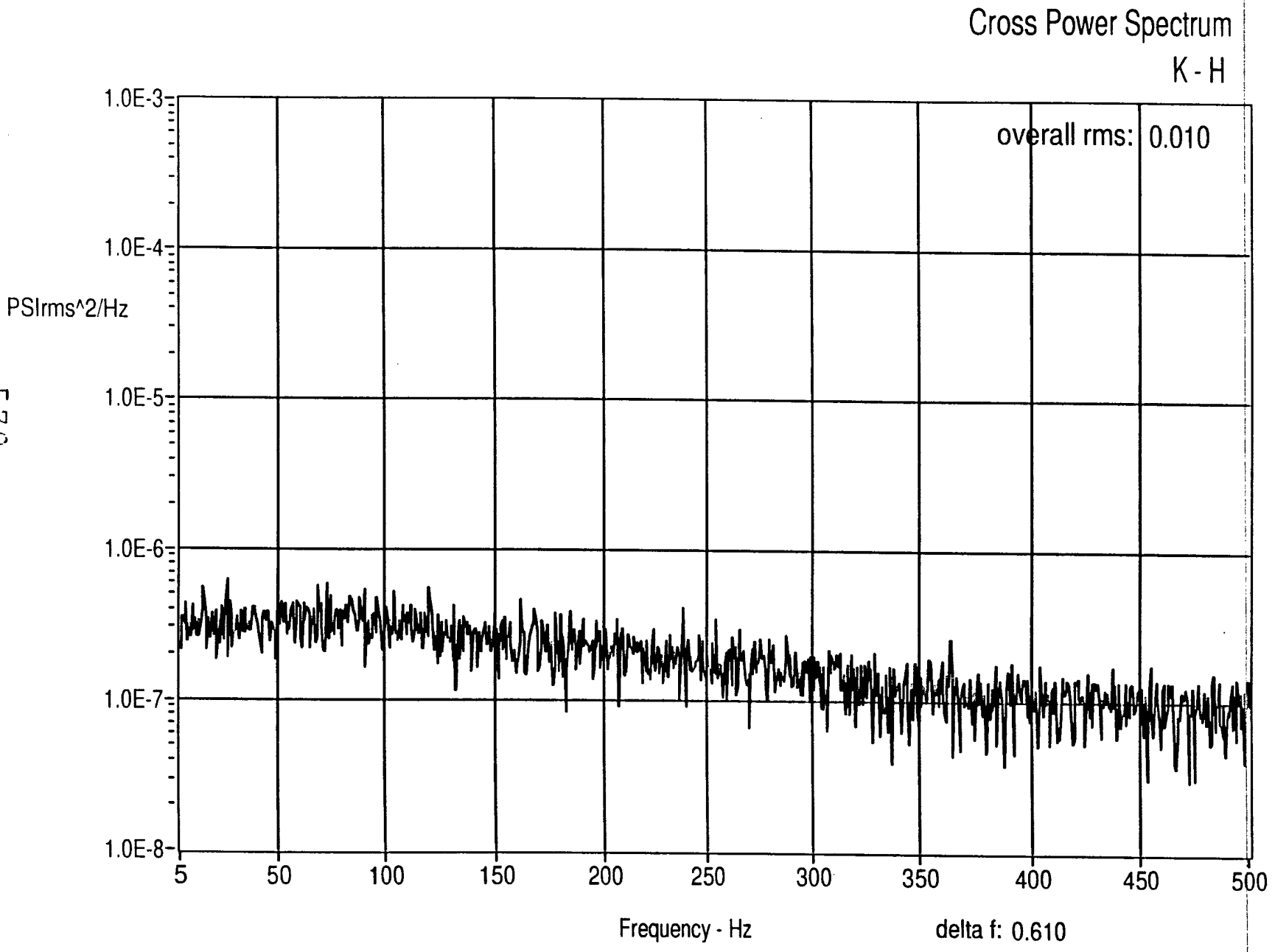


570

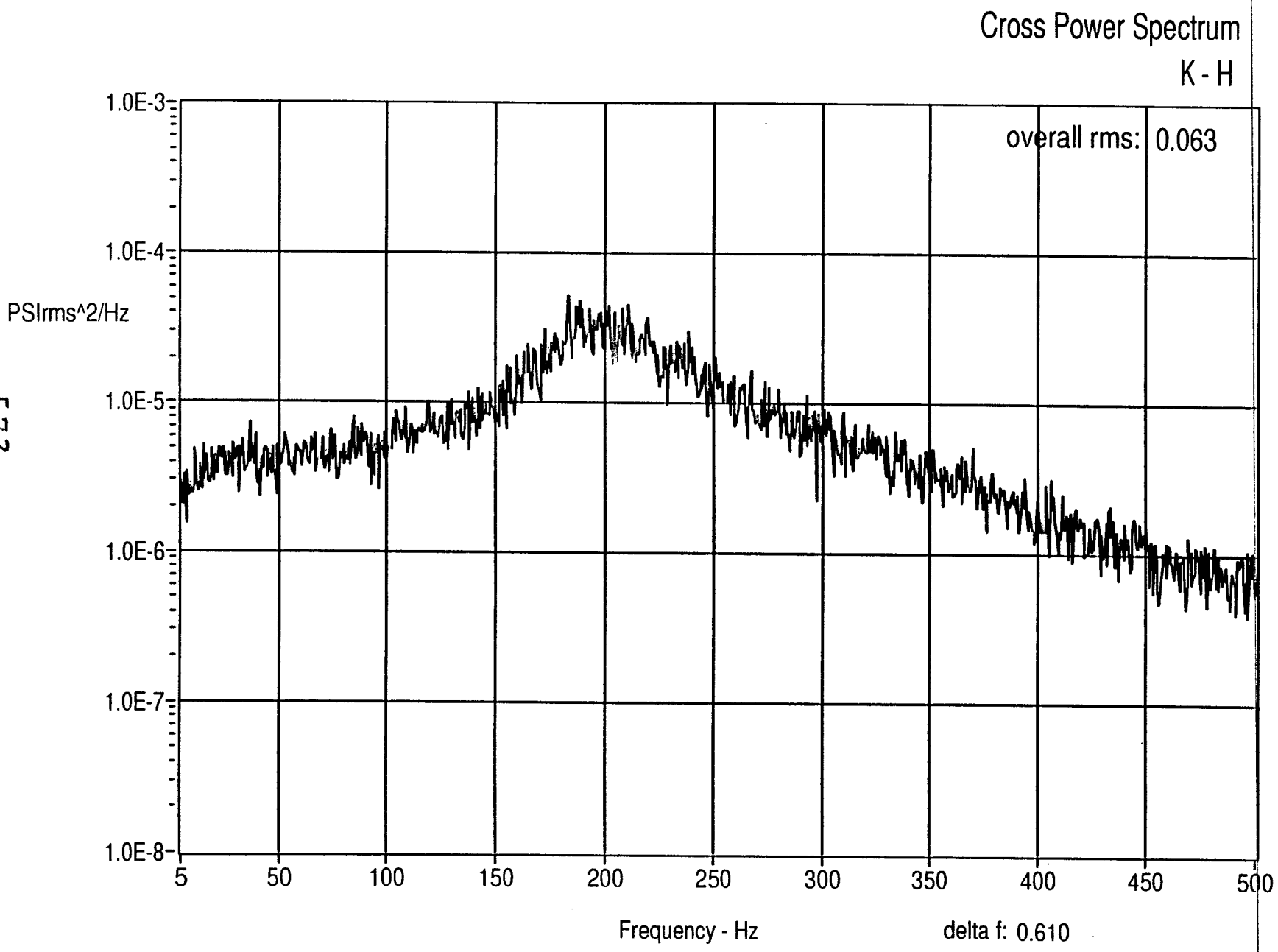
F-15 TPN_3361: alpha=32 beta=4 bp=45



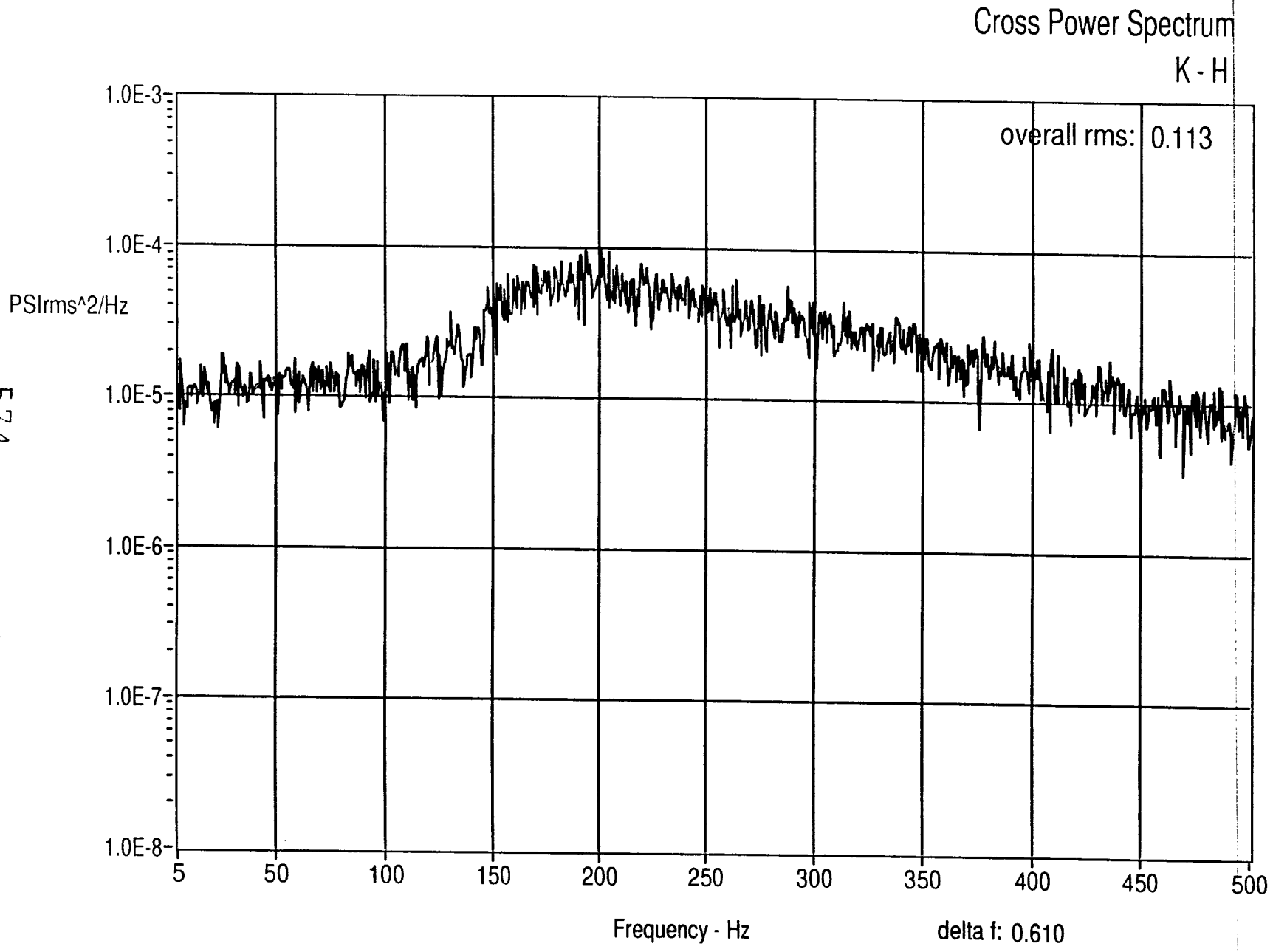
F-15 TPN_3333: alpha=8 beta=0 bp=45



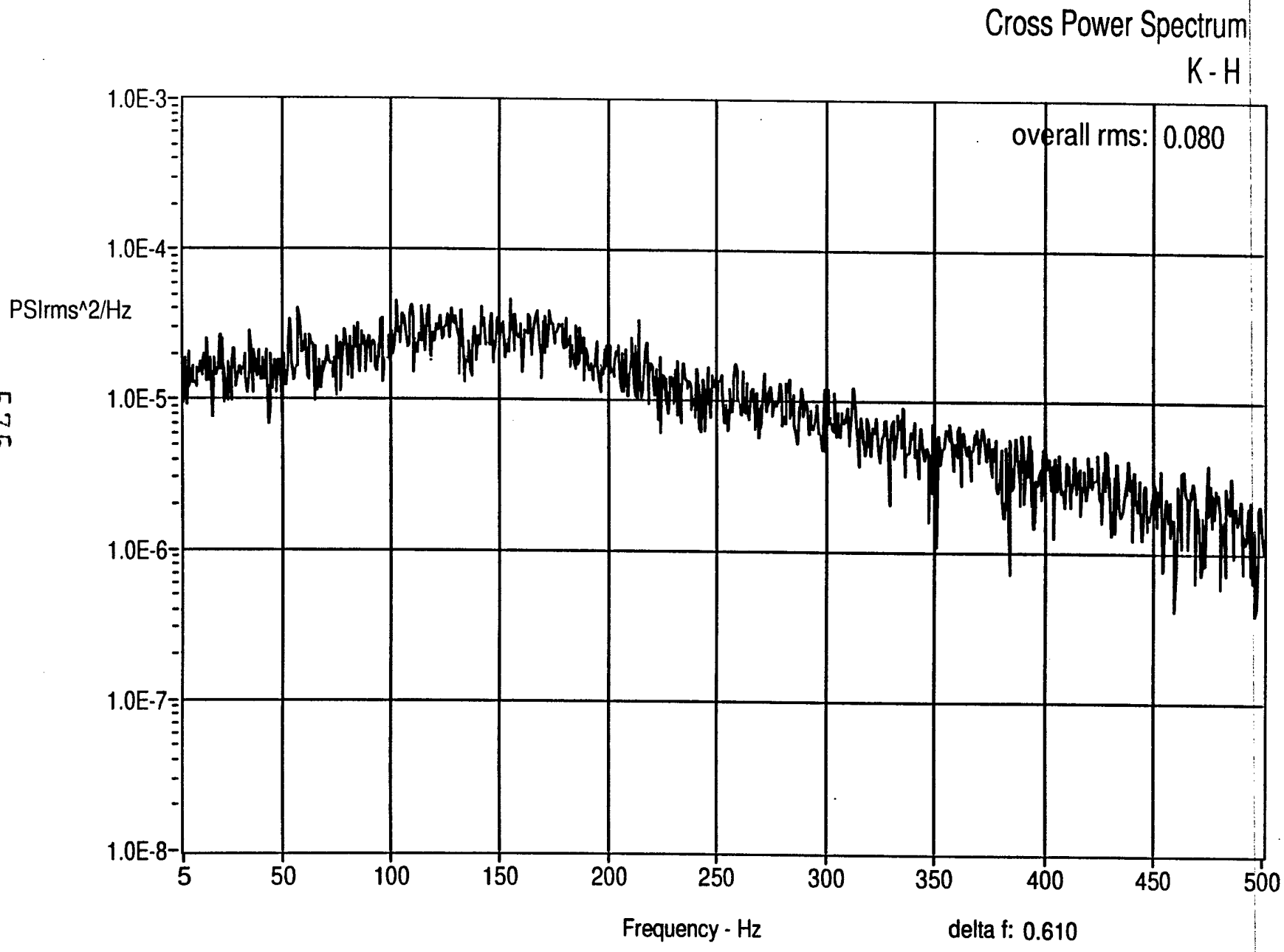
F-15 TPN_3339: alpha=20 beta=0 bp=45



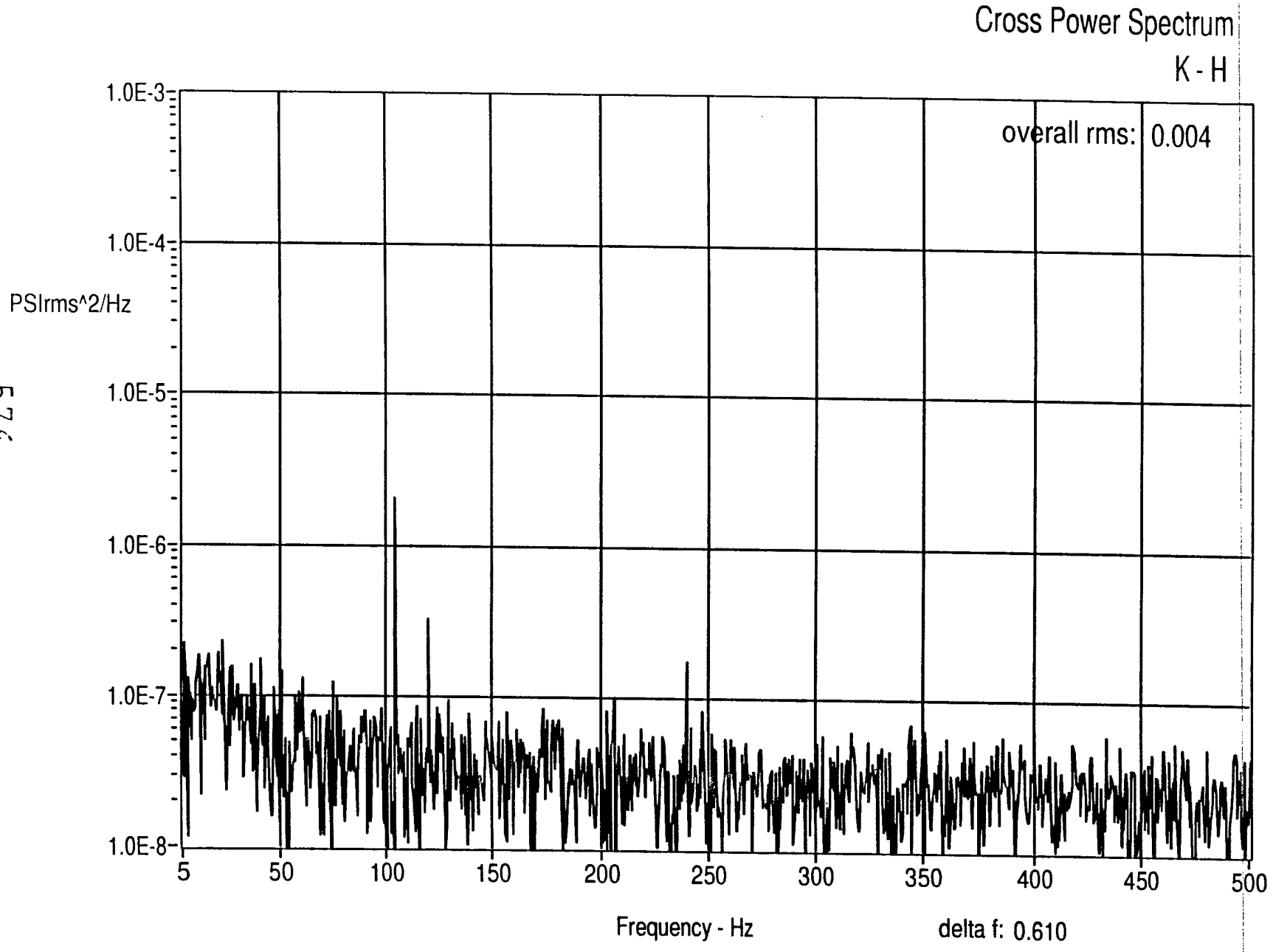
F-15 TPN_3341: alpha=24 beta=0 bp=45



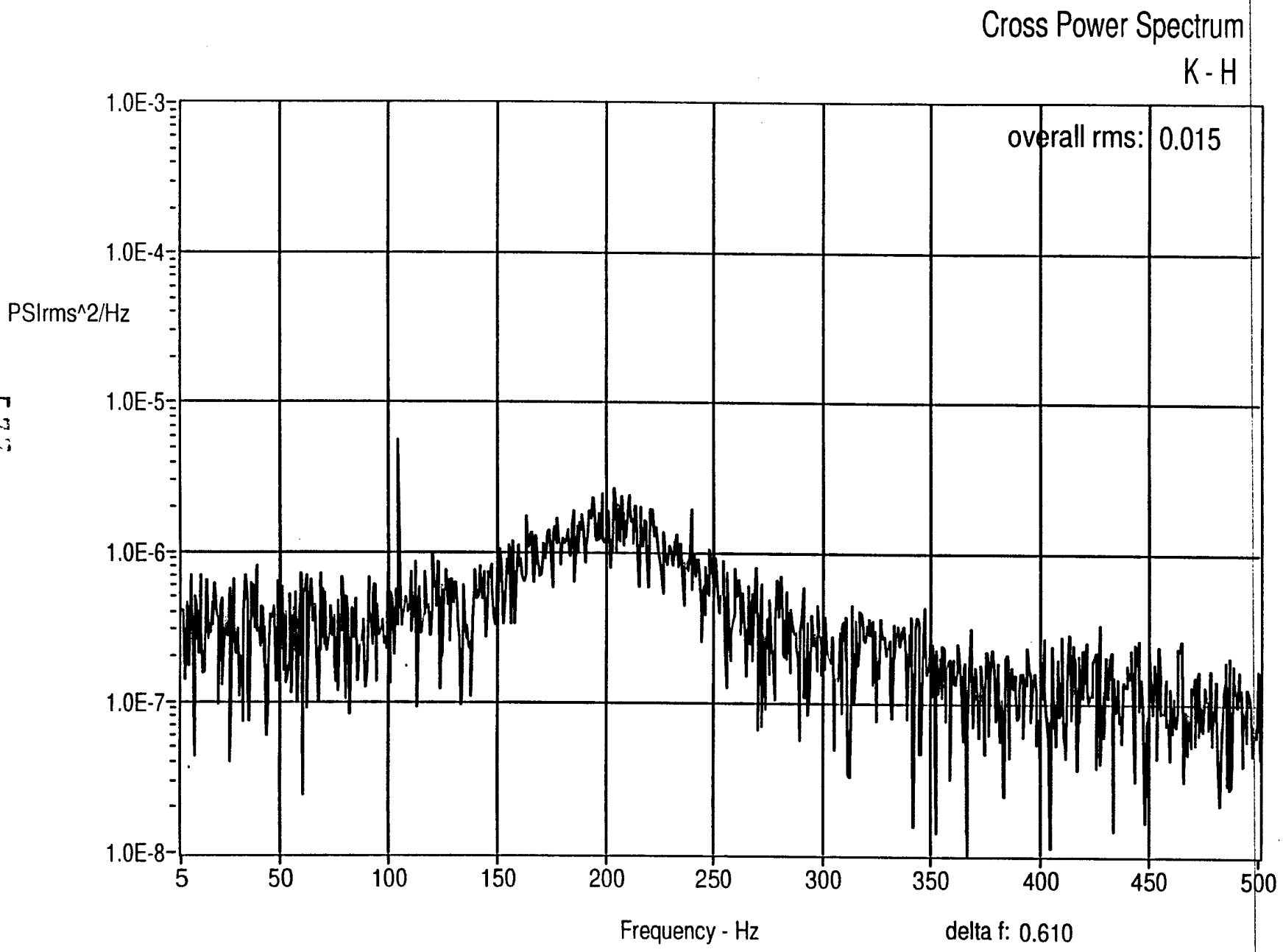
F-15 TPN_3343: alpha=32 beta=0 bp=45



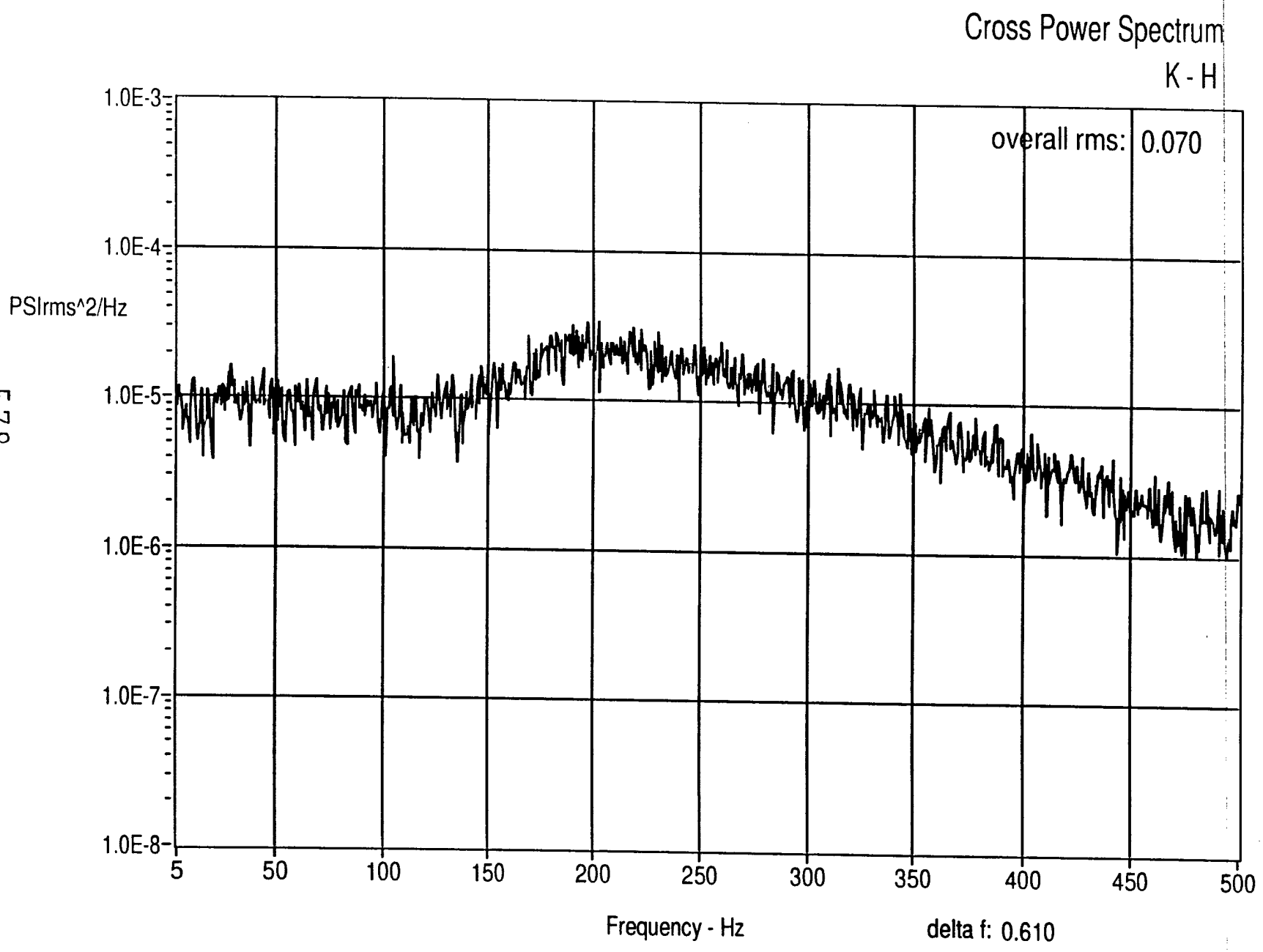
F-15 TPN_3369: alpha=8 beta=-4 bp=45



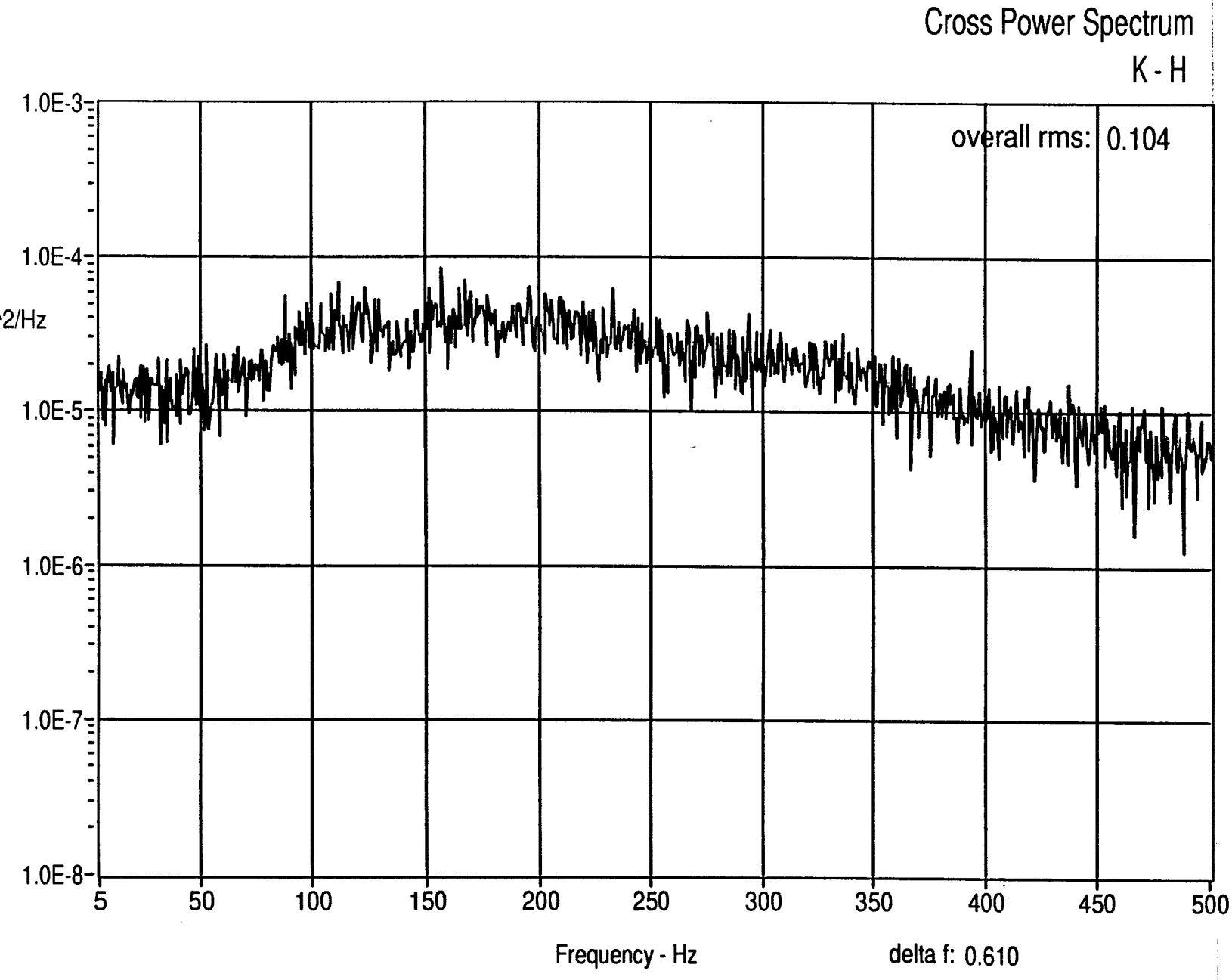
F-15 TPN_3375: alpha=20 beta=-4 bp=45



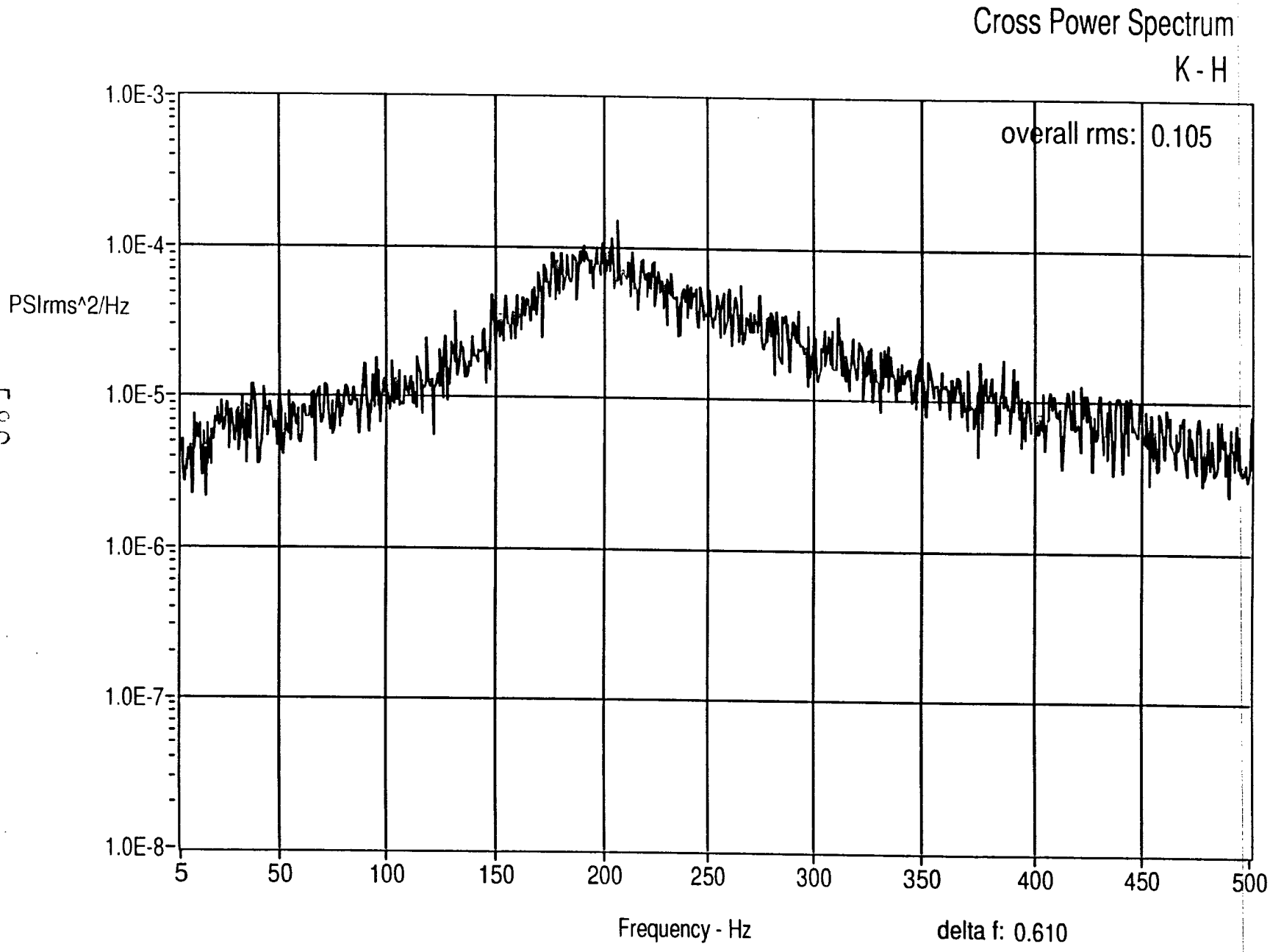
F-15 TPN_3377: alpha=24 beta=-4 bp=45



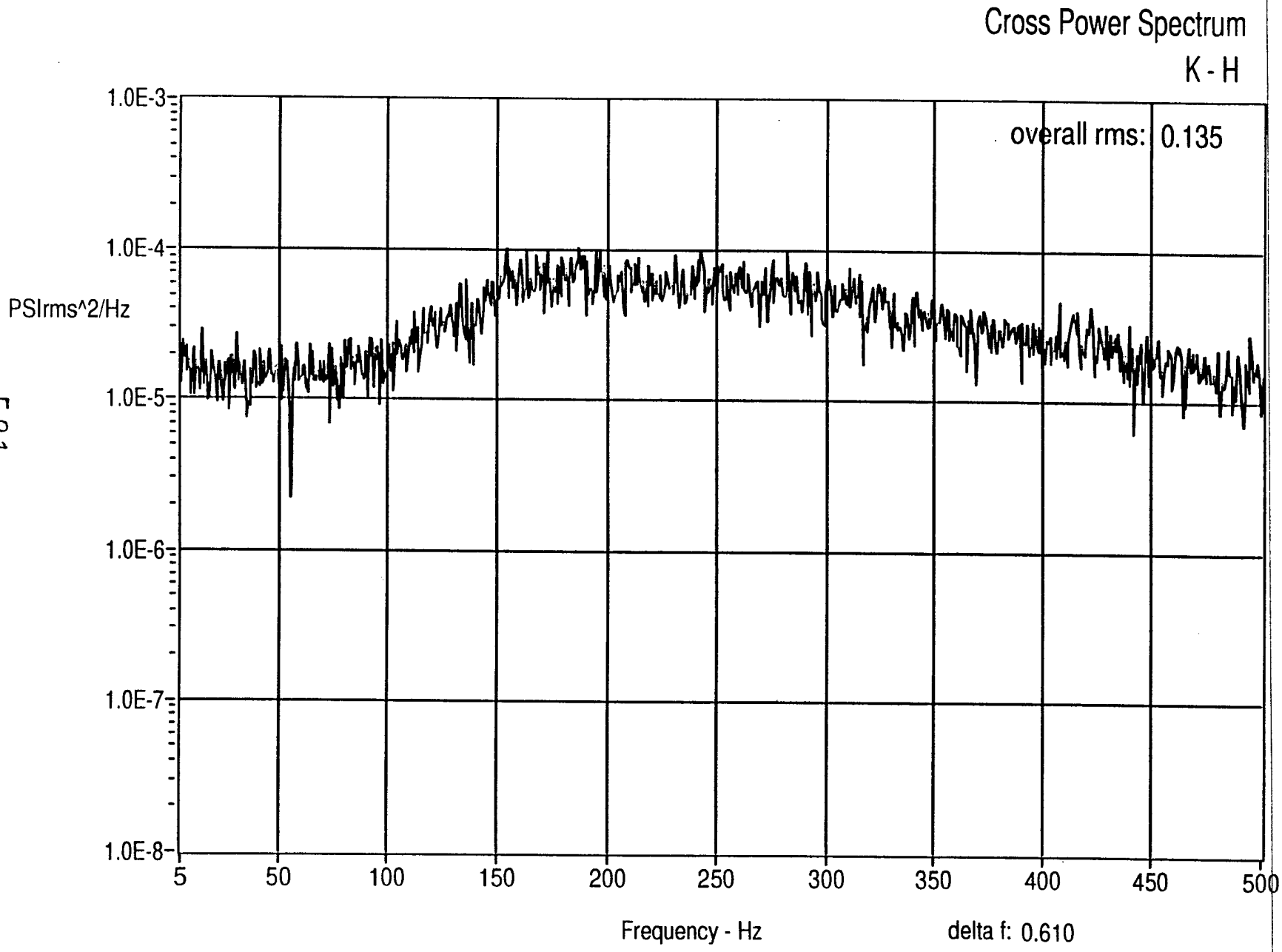
F-15 TPN_3379: alpha=32 beta=-4 bp=45



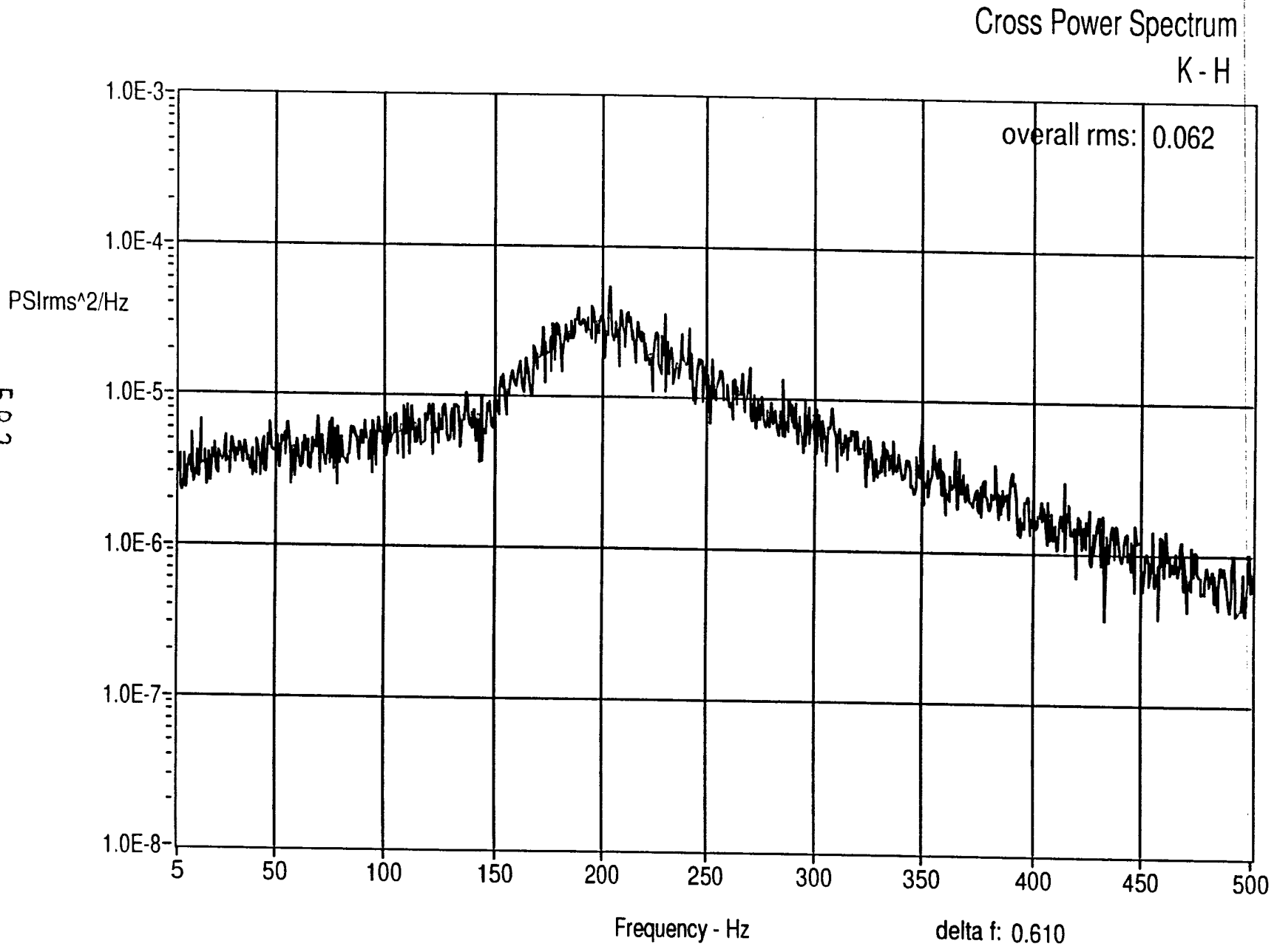
F-15 TPN_3046: alpha=20 beta=4 bp=65



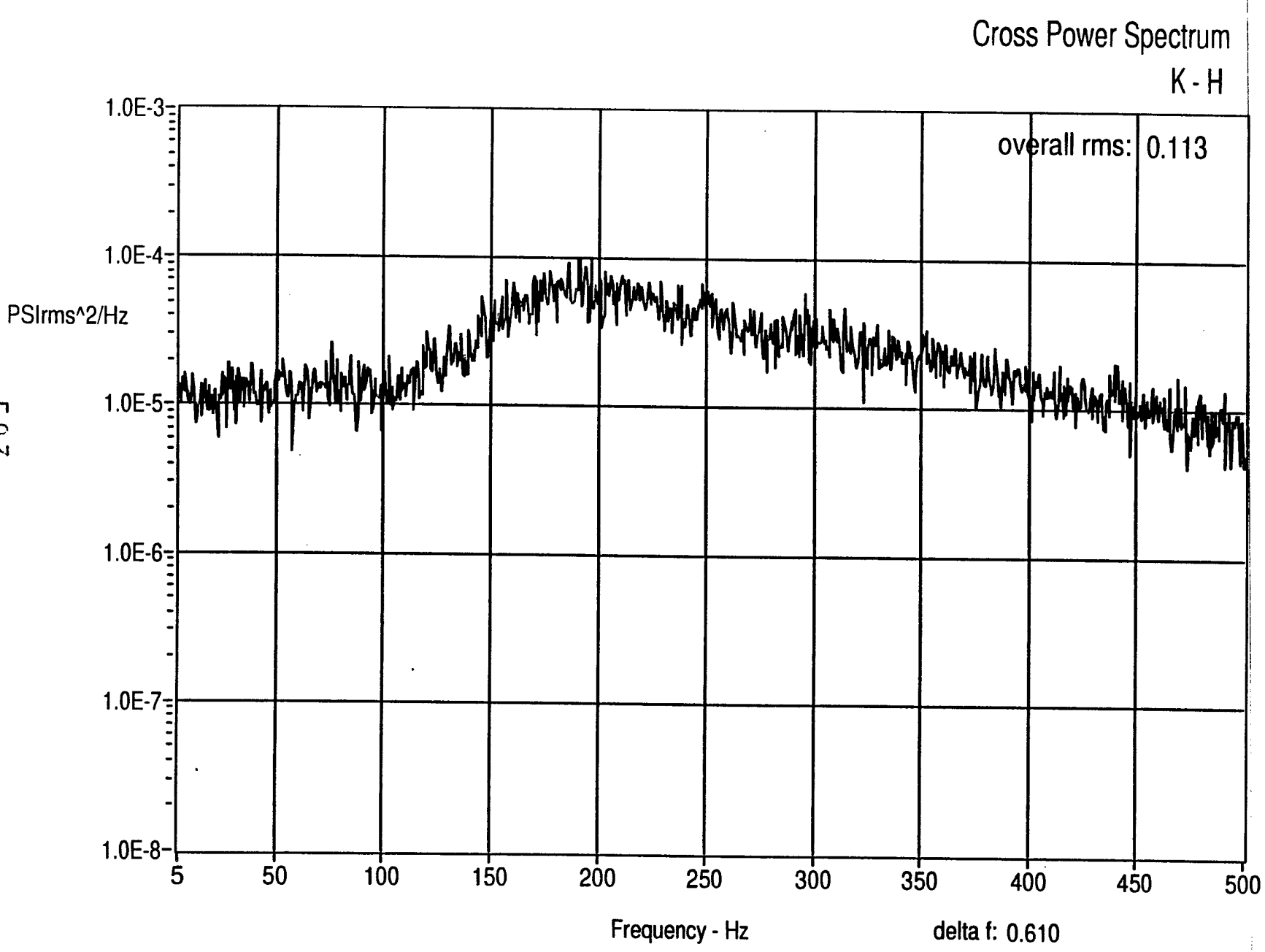
F-15 TPN_3048: alpha=24 beta=4 bp=65



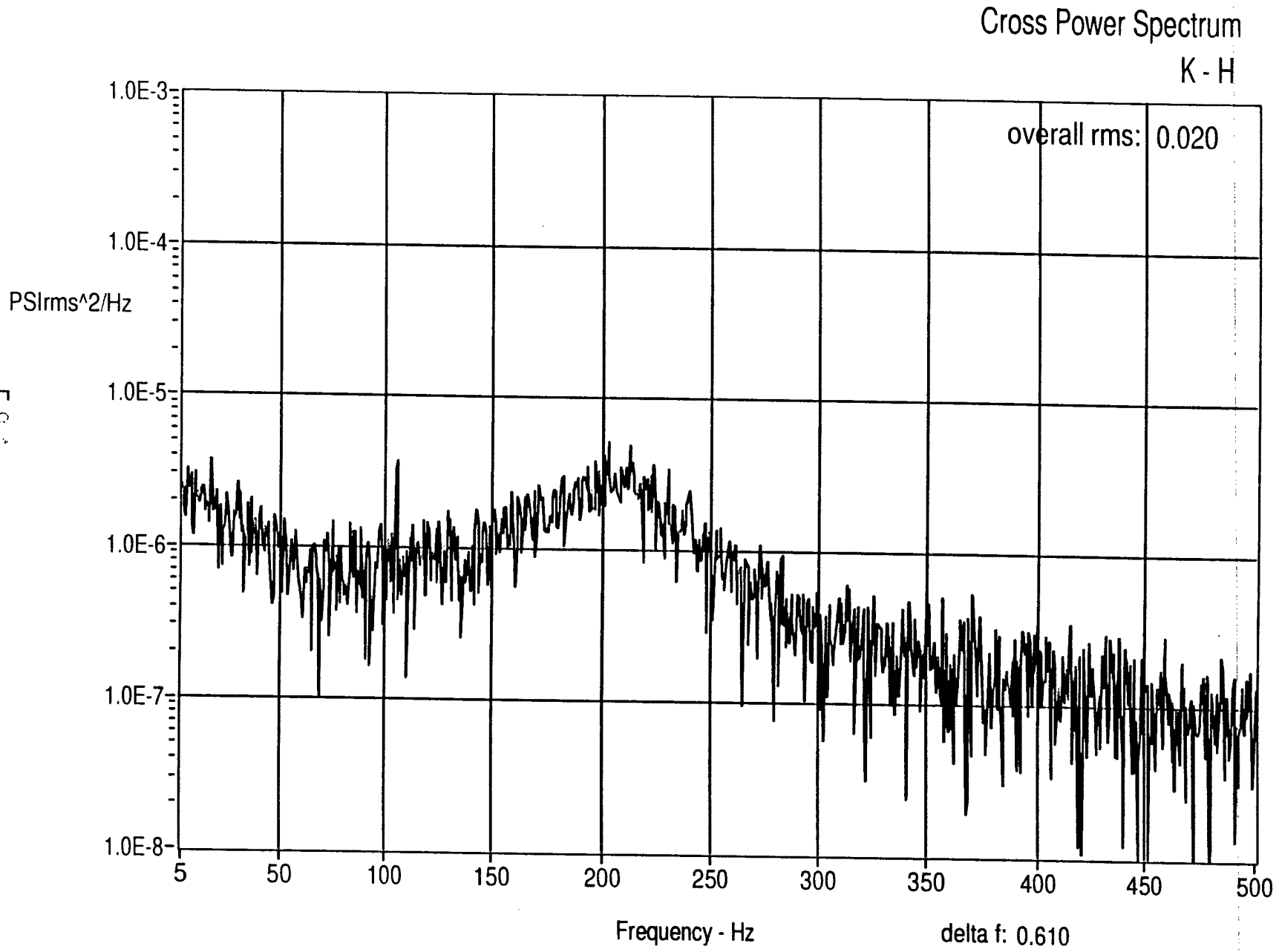
F-15 TPN_3040: alpha=20 beta=0 bp=65



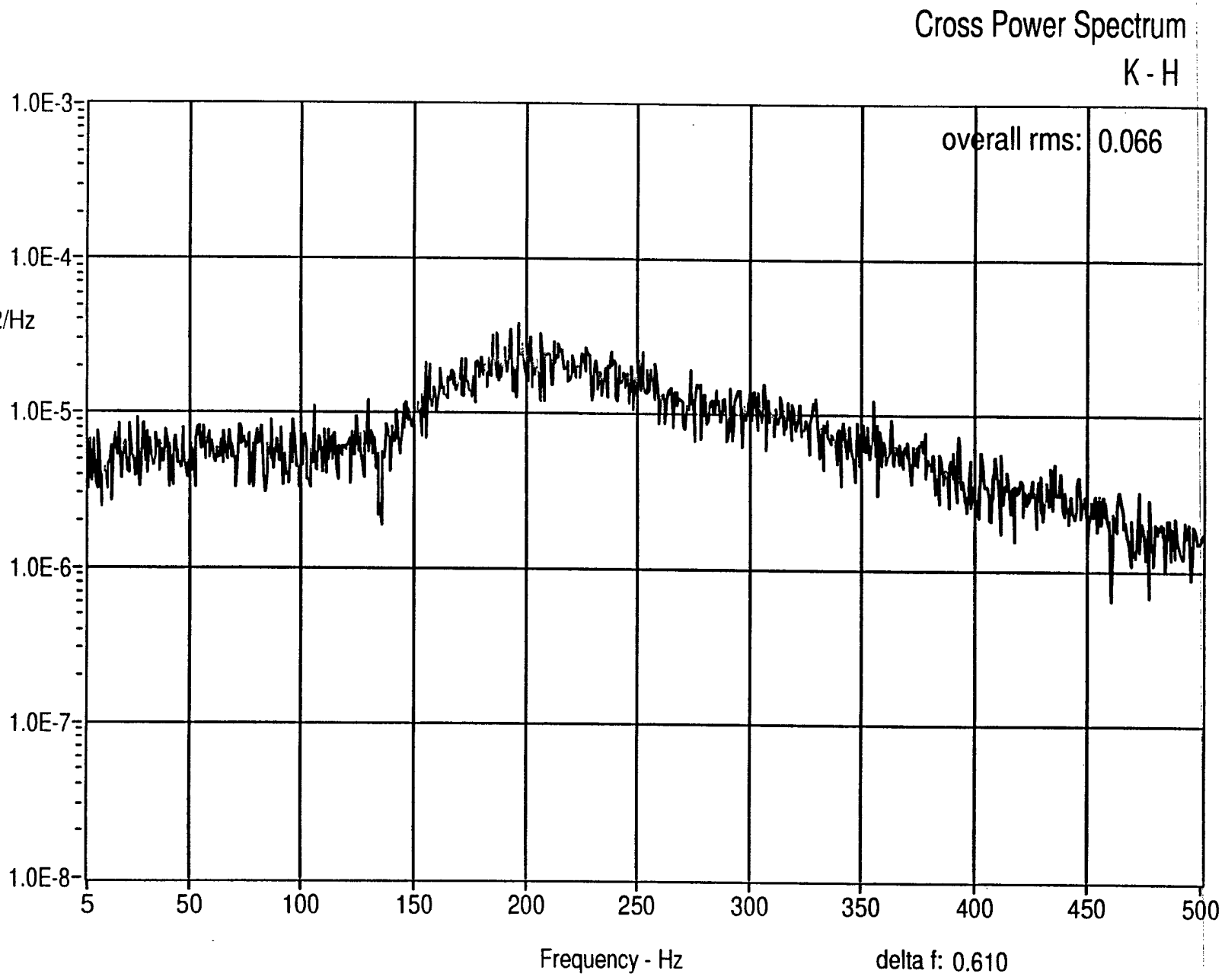
F-15 TPN_3042: alpha=24 beta=0 bp=65



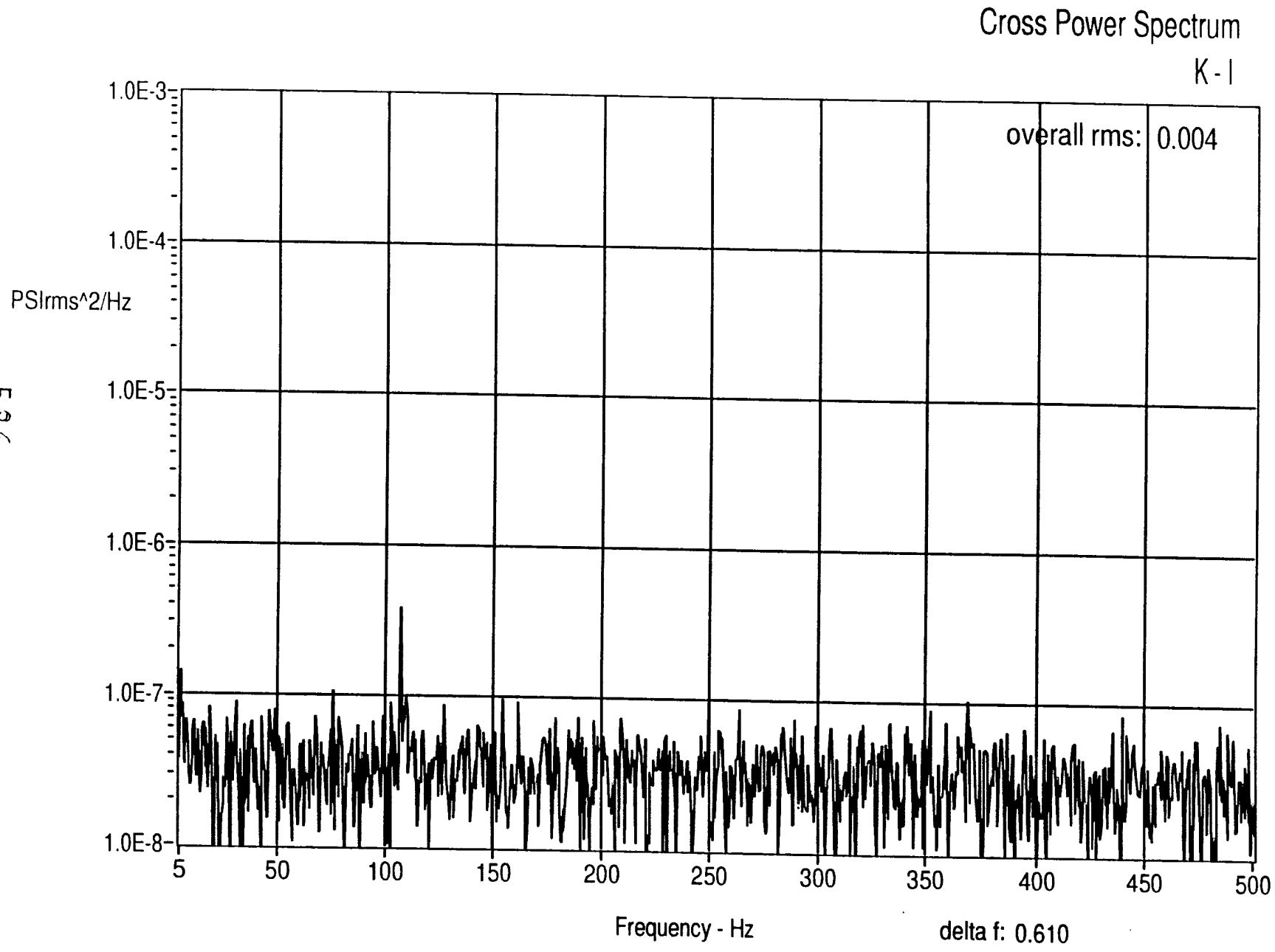
F-15 TPN_3034: alpha=20 beta=-4 bp=65



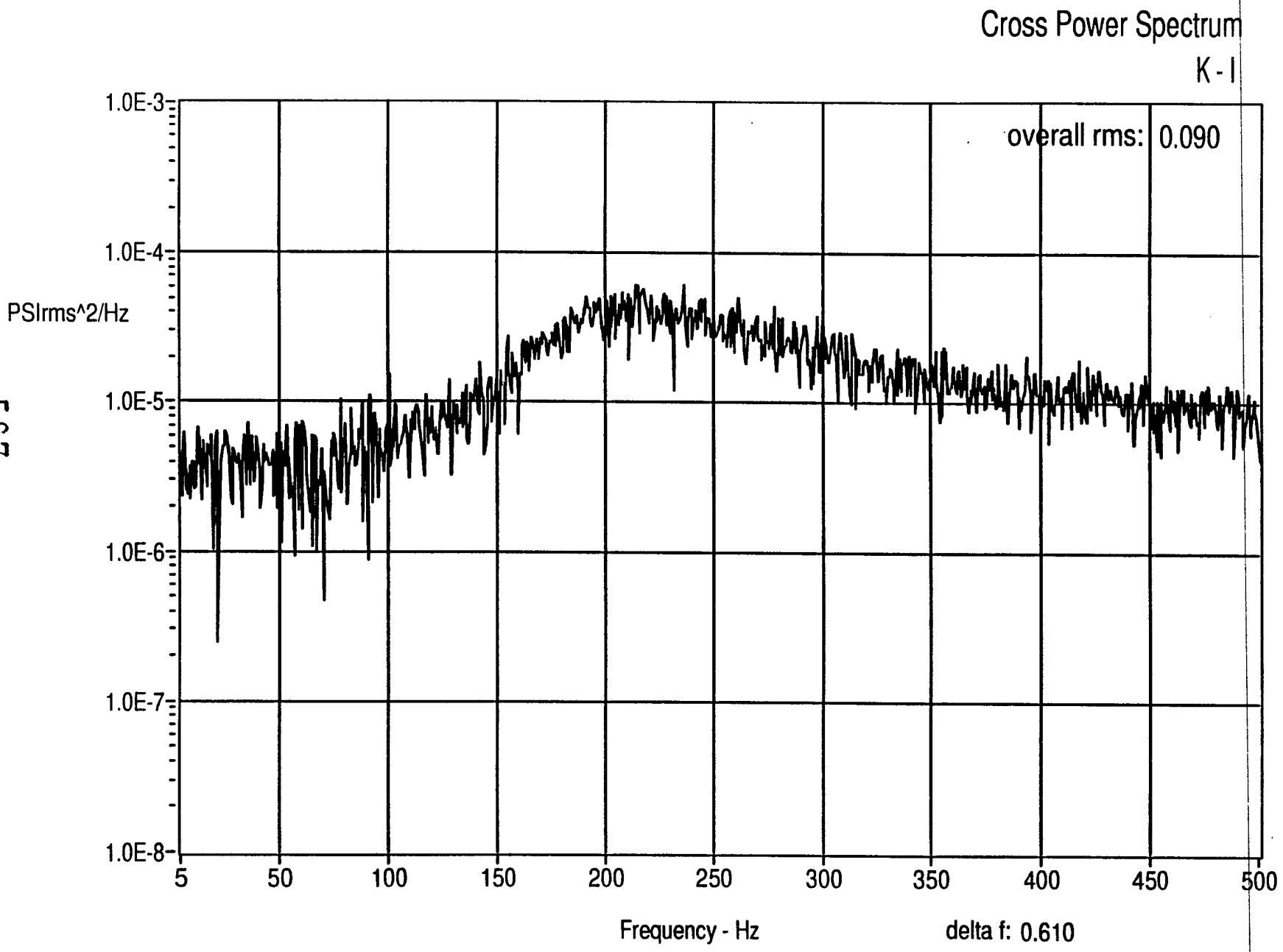
F-15 TPN_3036: alpha=24 beta=-4 bp=65



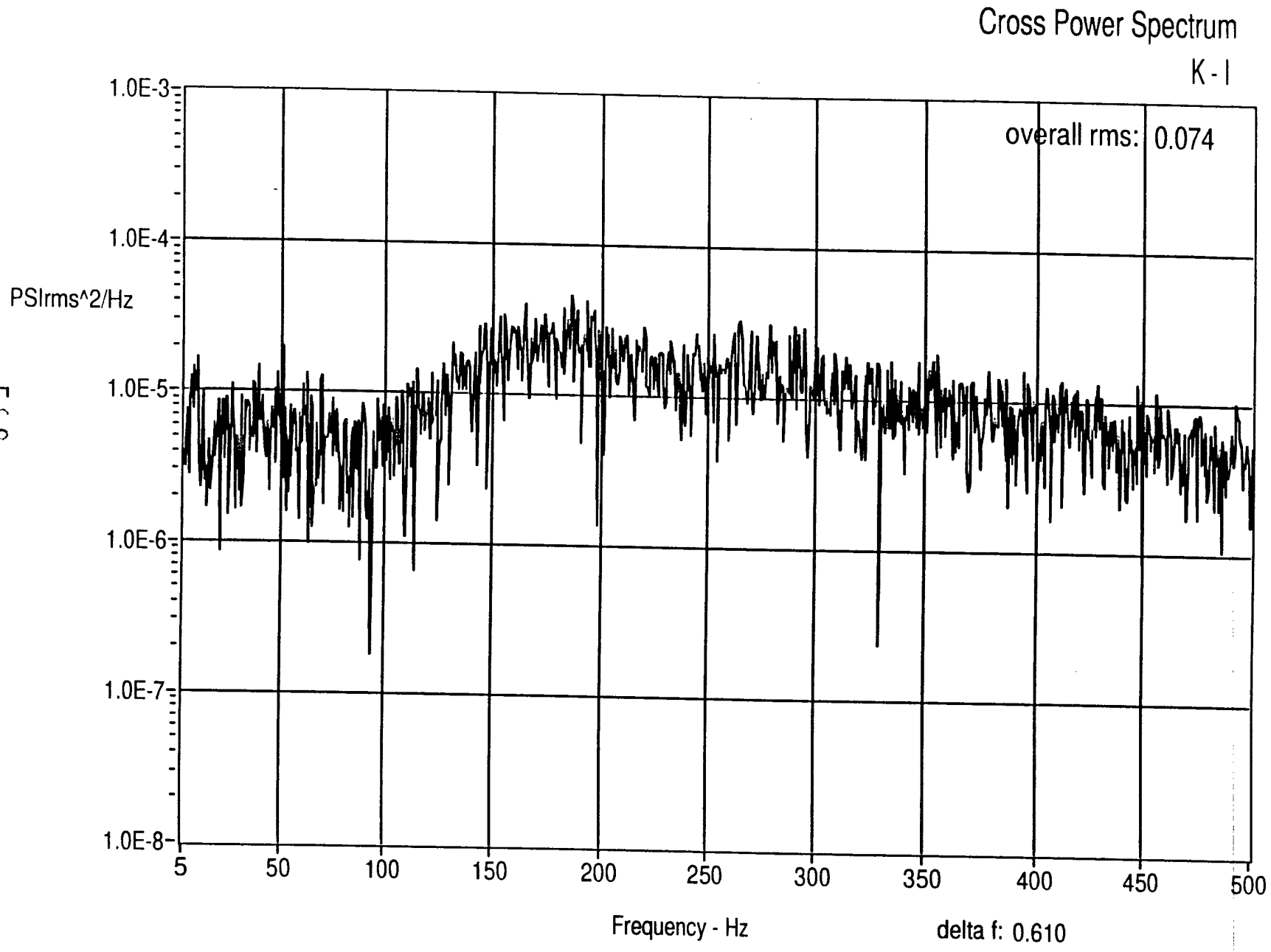
F-15 TPN_2918: alpha=8 beta=4 bp=0



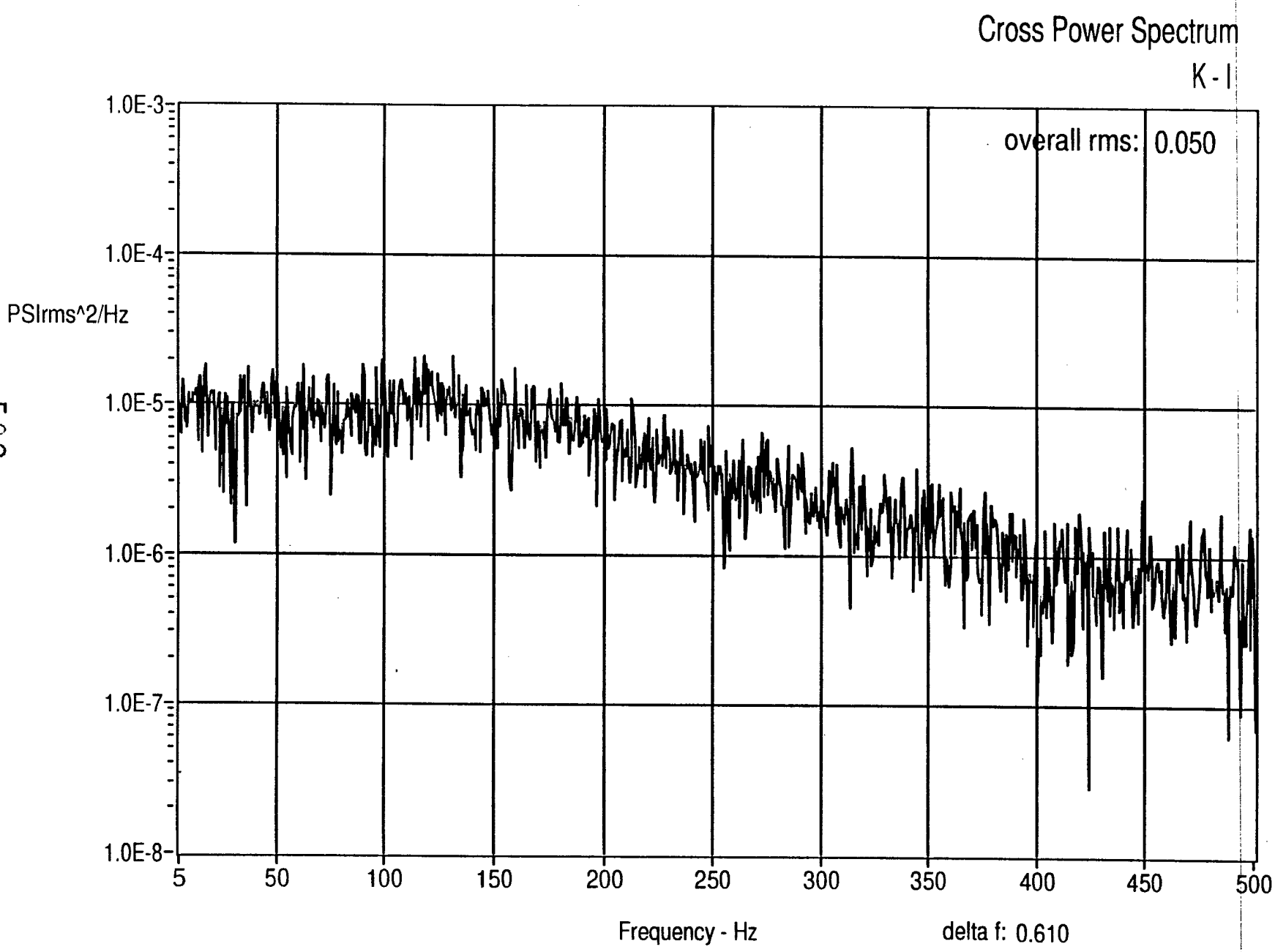
F-15 TPN_2924: alpha=20 beta=4 bp=0



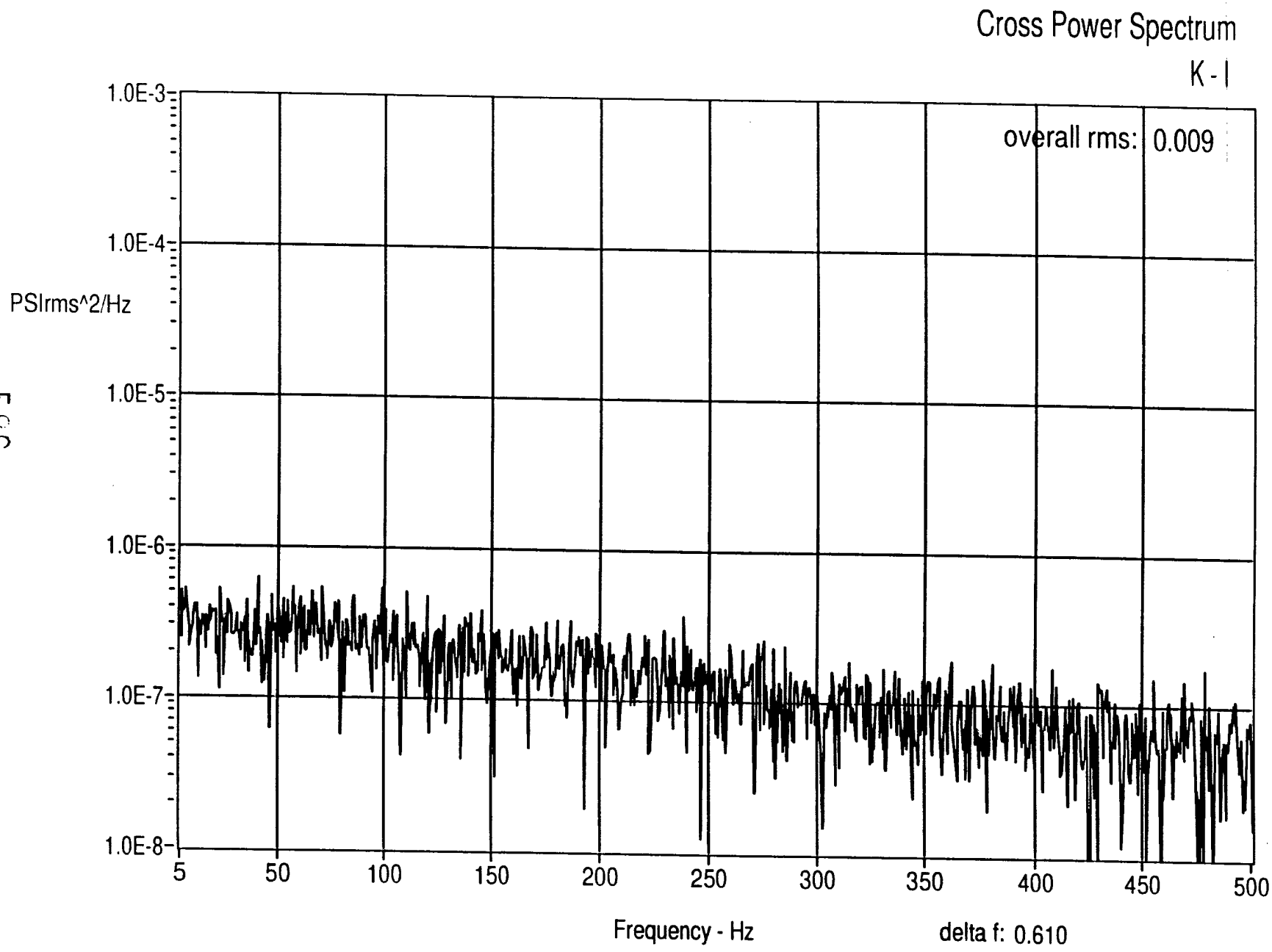
F-15 TPN_2926: alpha=24 beta=4 bp=0



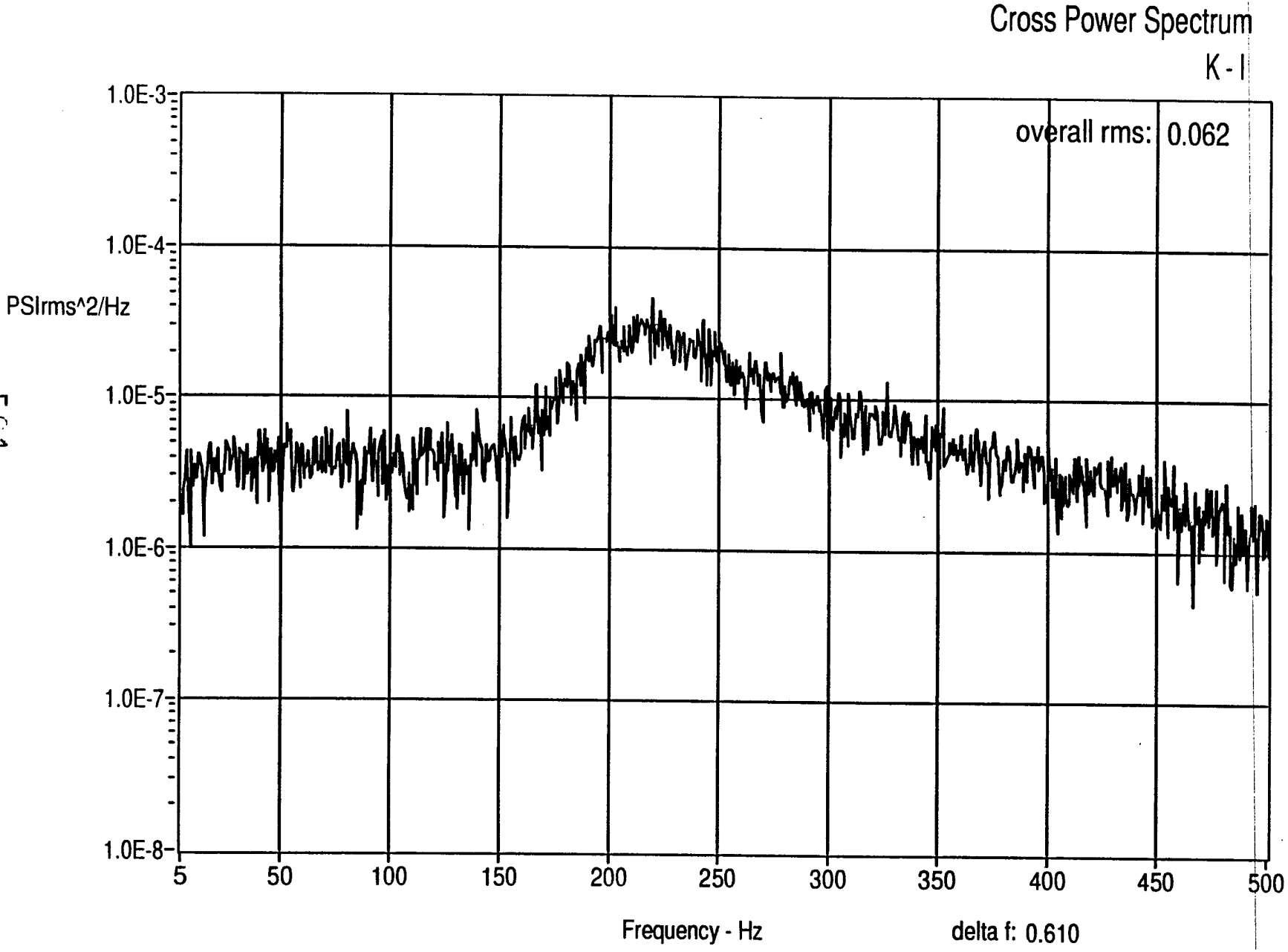
F-15 TPN_2928: alpha=32 beta=4 bp=0



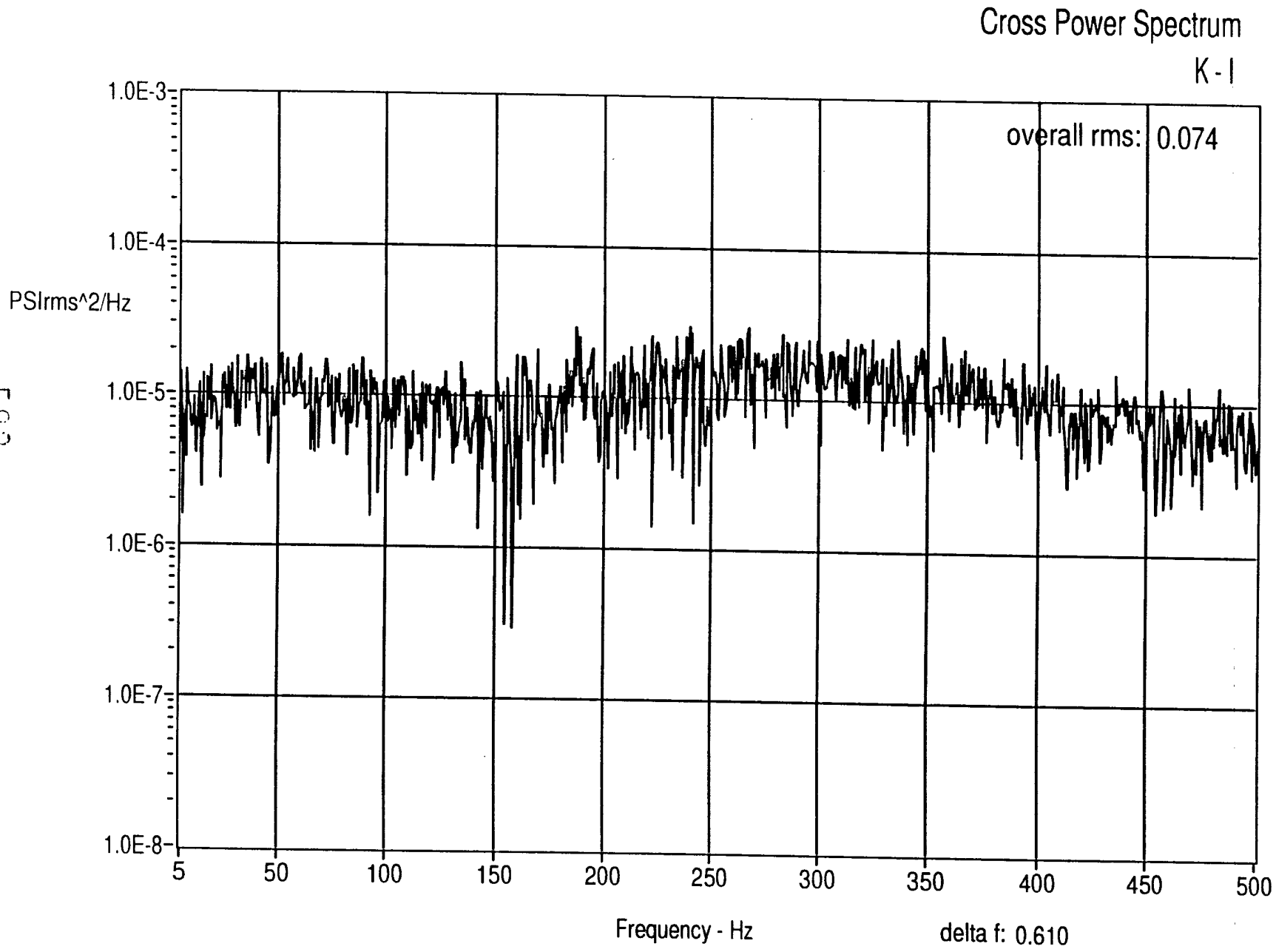
F-15 TPN_2844: alpha=8 beta=0 bp=0



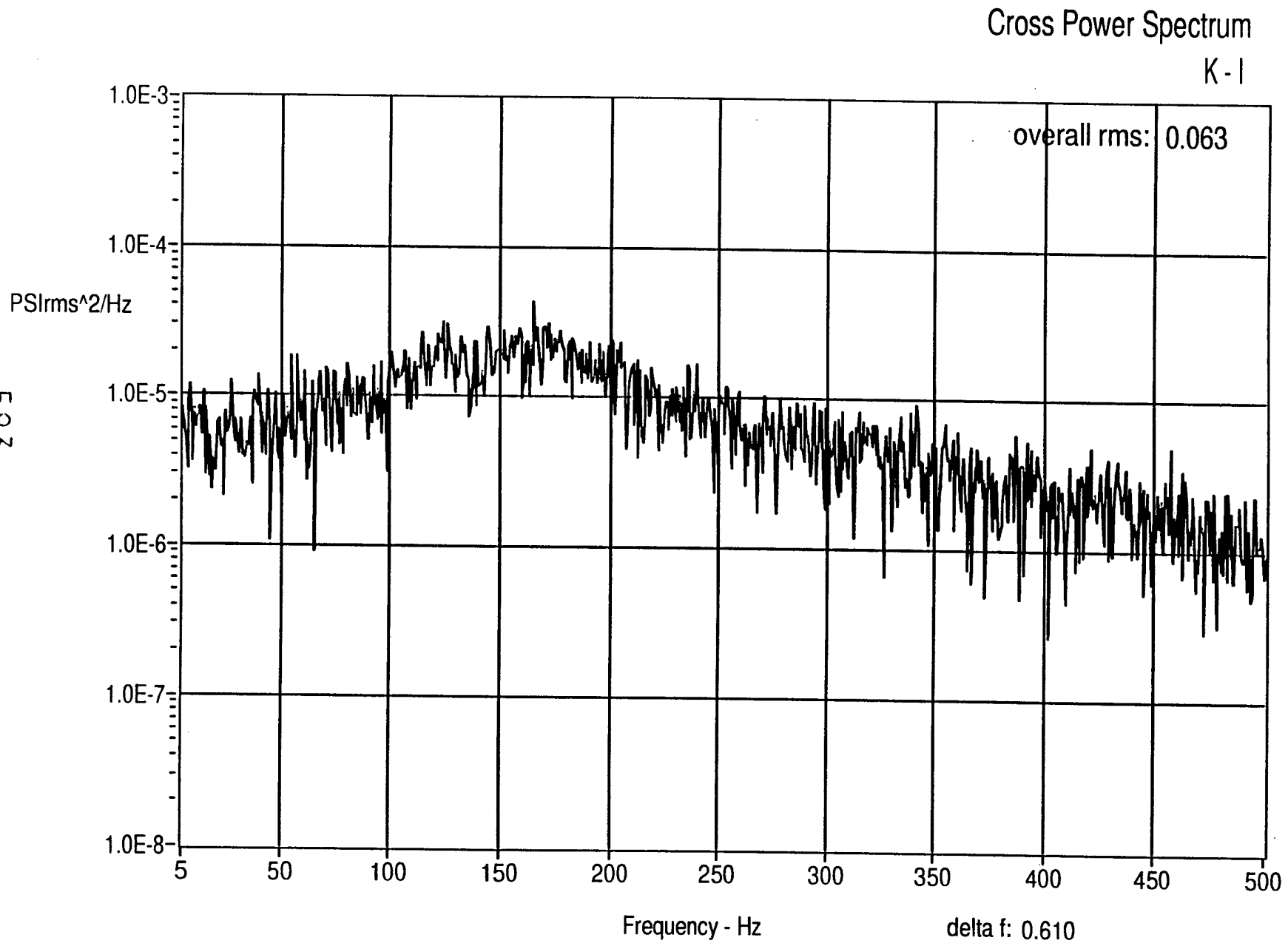
F-15 TPN_2850: alpha=20 beta=0 bp=0



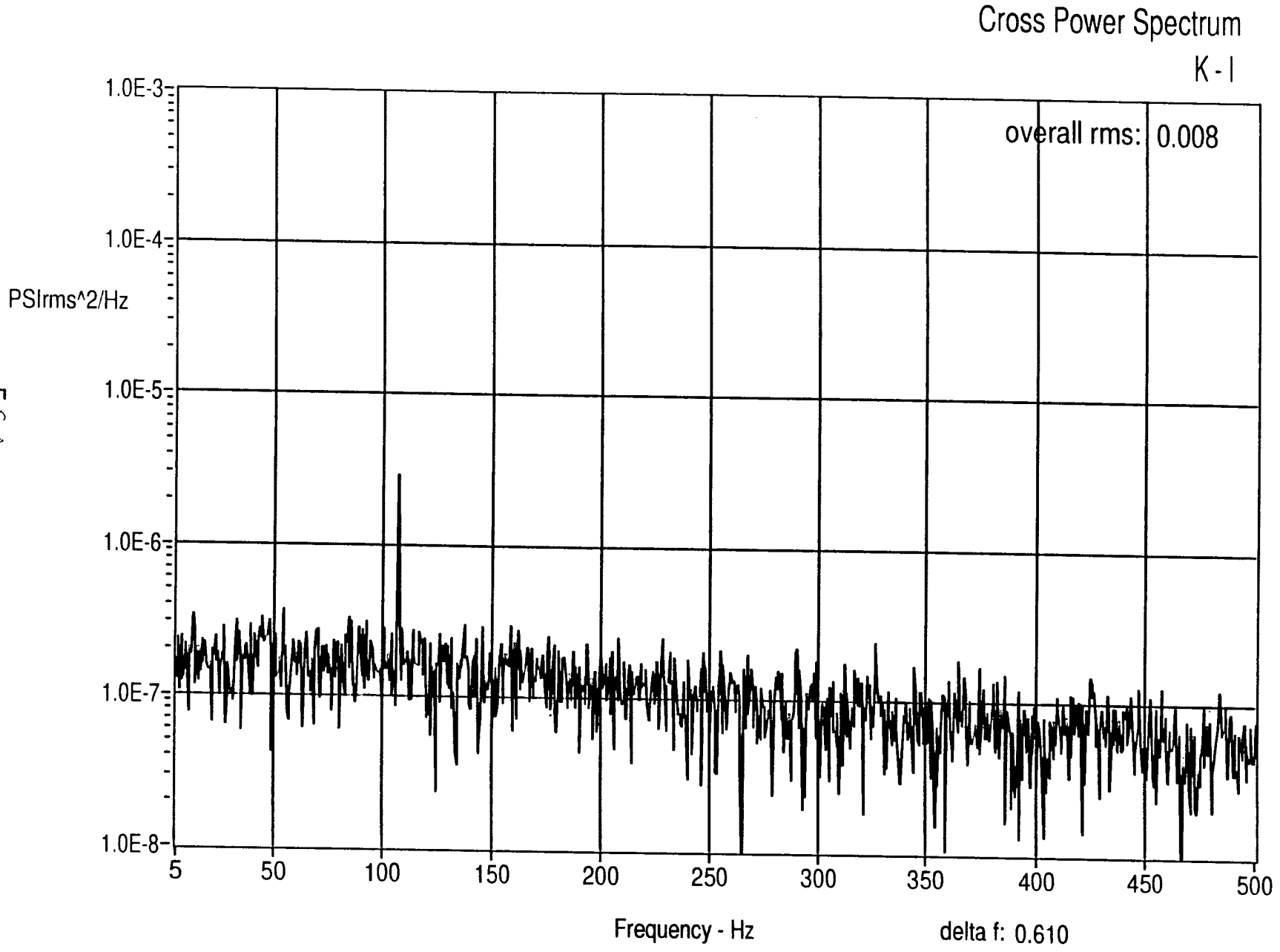
F-15 TPN_2852: alpha=24 beta=0 bp=0



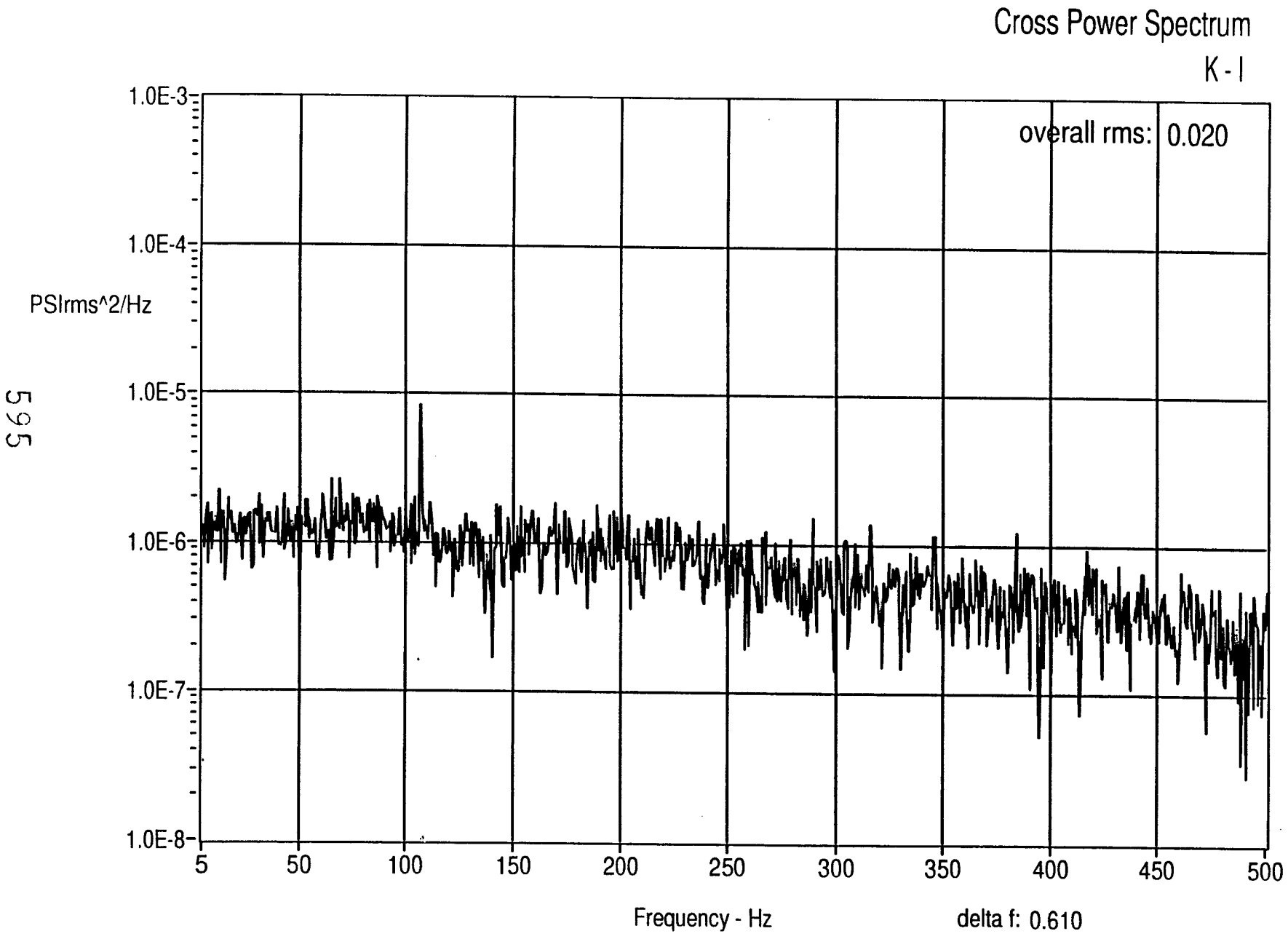
F-15 TPN_2854: alpha=32 beta=0 bp=0



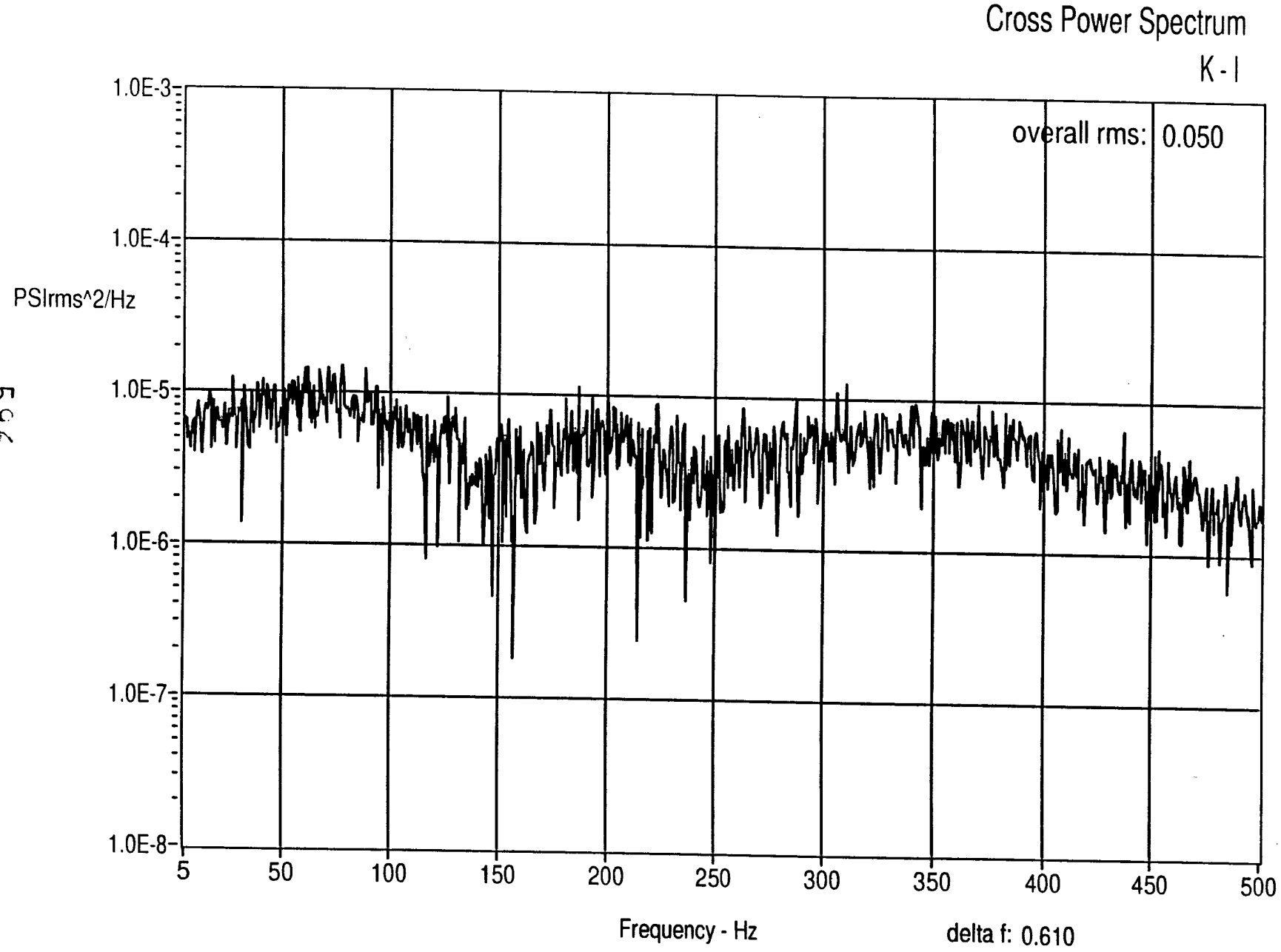
F-15 TPN_2864: alpha=8 beta=-4 bp=0



F-15 TPN_2870: alpha=20 beta=-4 bp=0

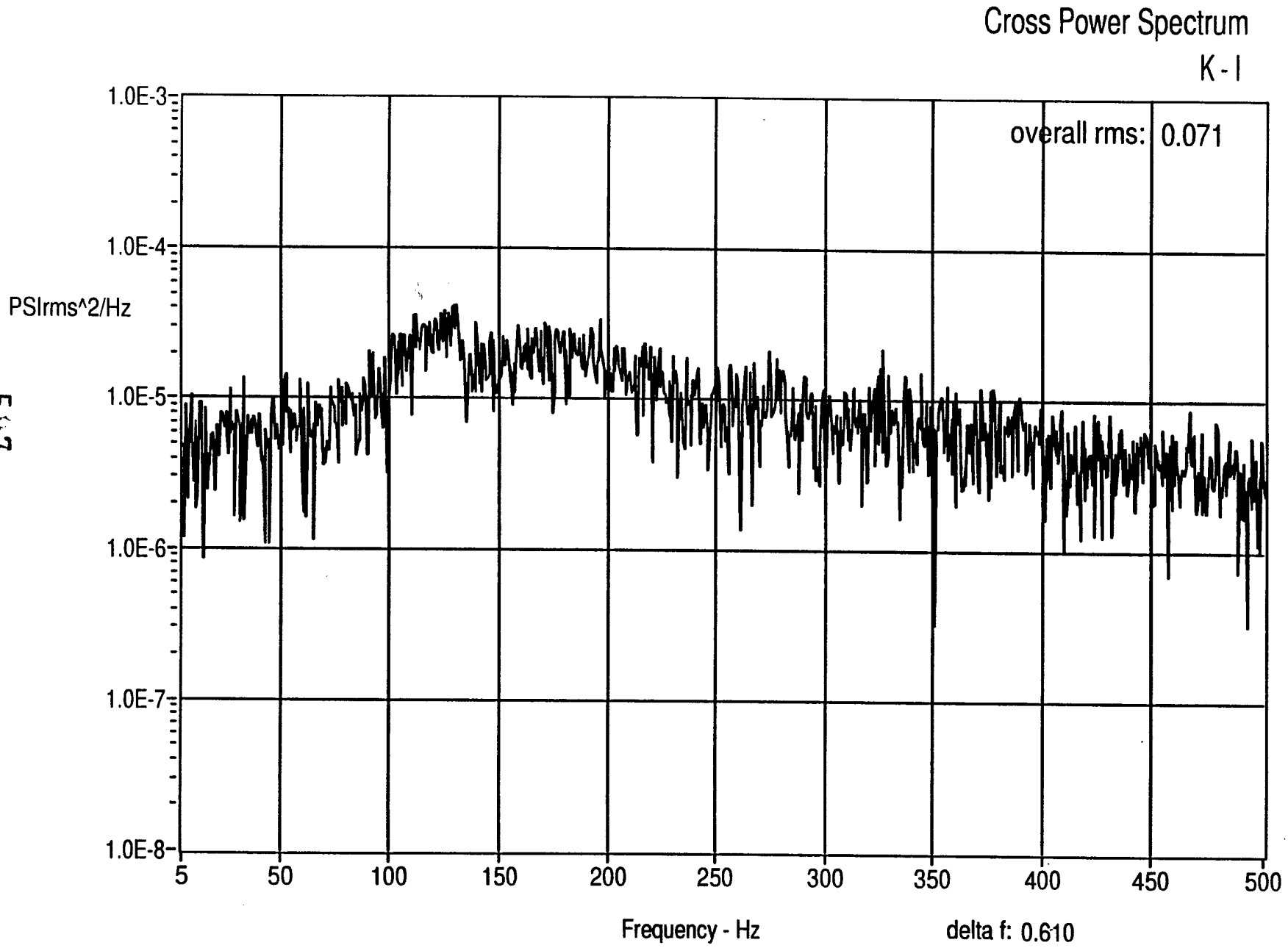


F-15 TPN_2872: alpha=24 beta=-4 bp=0

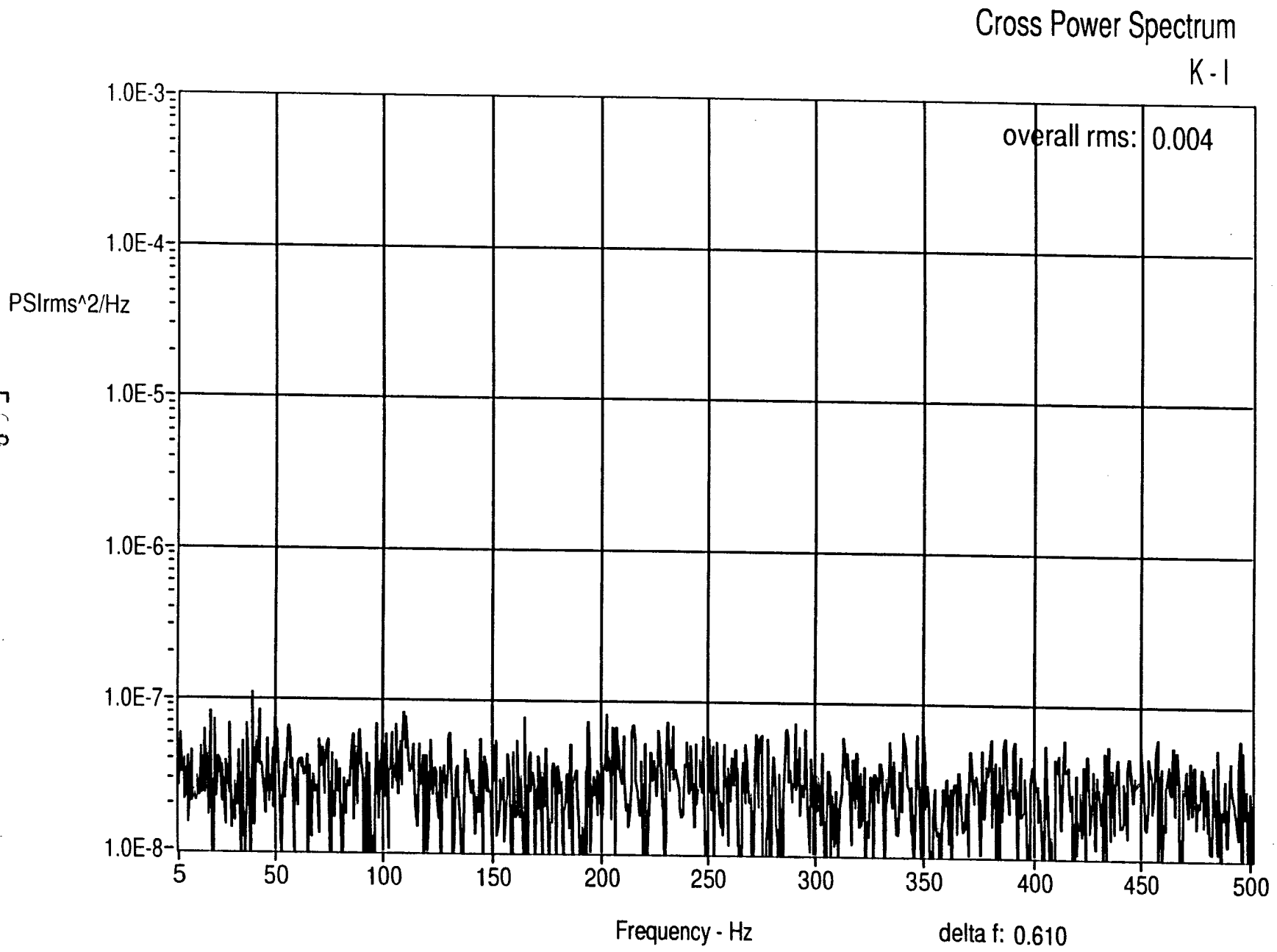


596

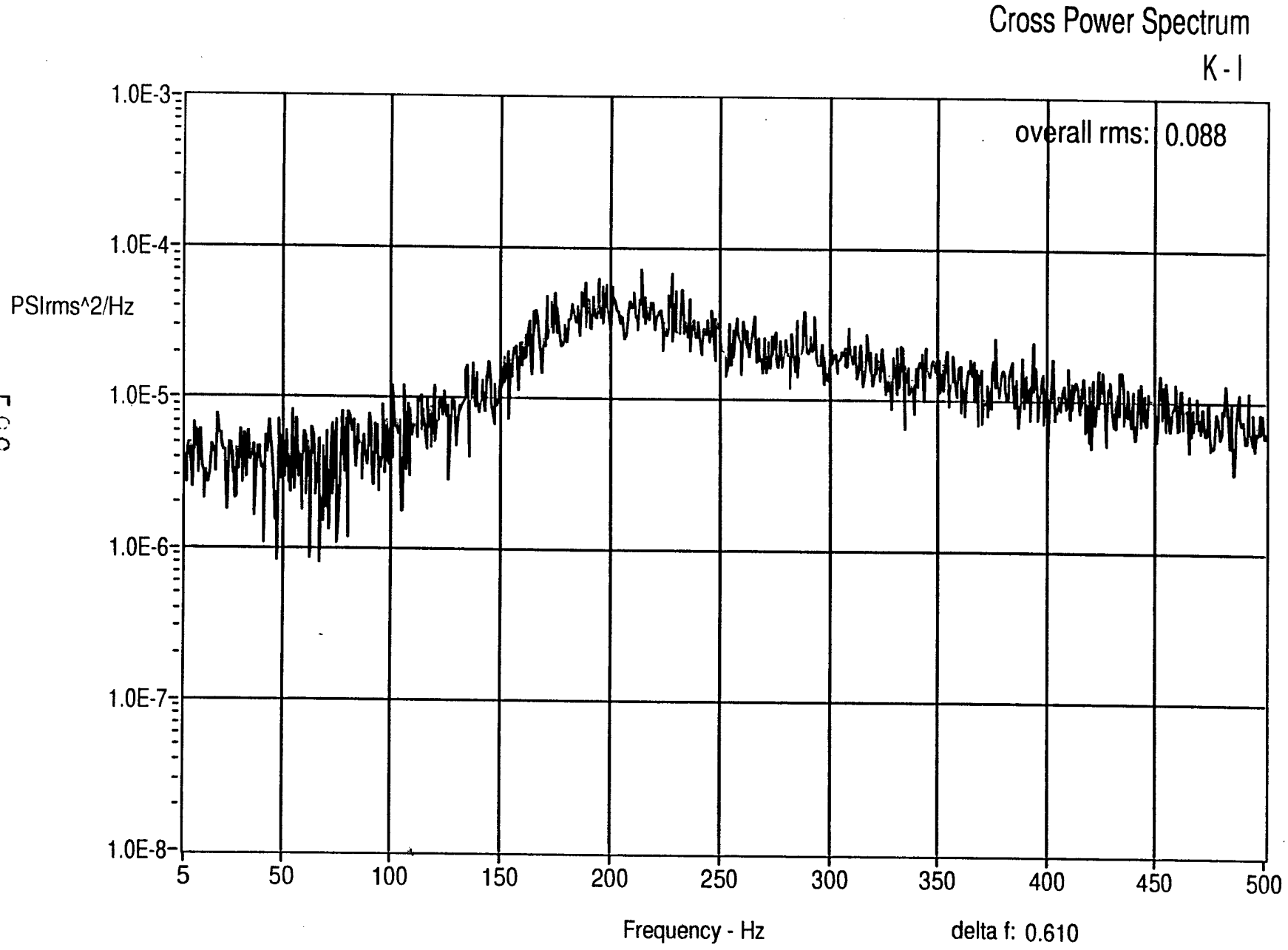
F-15 TPN_2874: alpha=32 beta=-4 bp=0



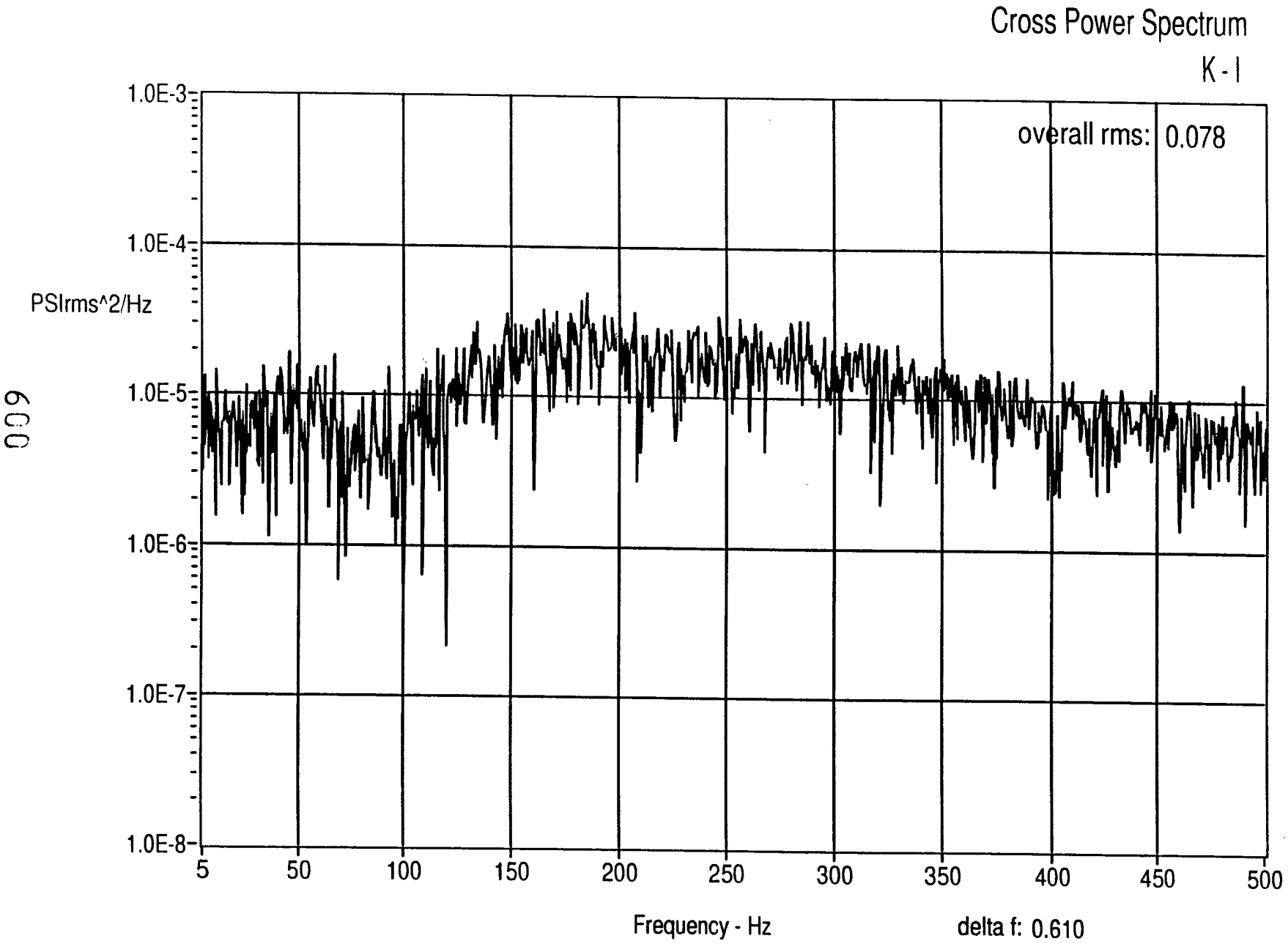
F-15 TPN_3351: alpha=8 beta=4 bp=45



F-15 TPN_3357: alpha=20 beta=4 bp=45

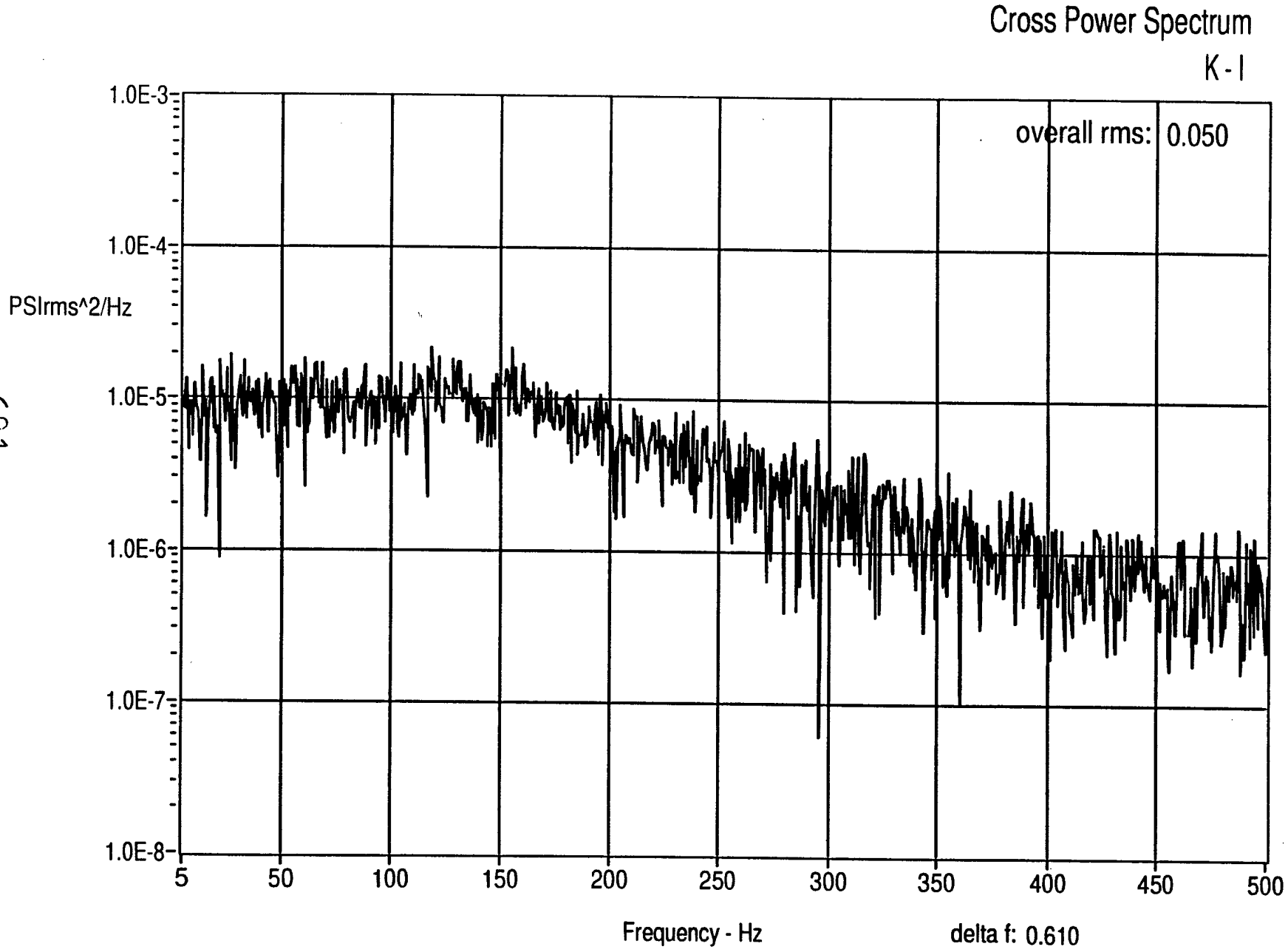


F-15 TPN_3359: alpha=24 beta=4 bp=45

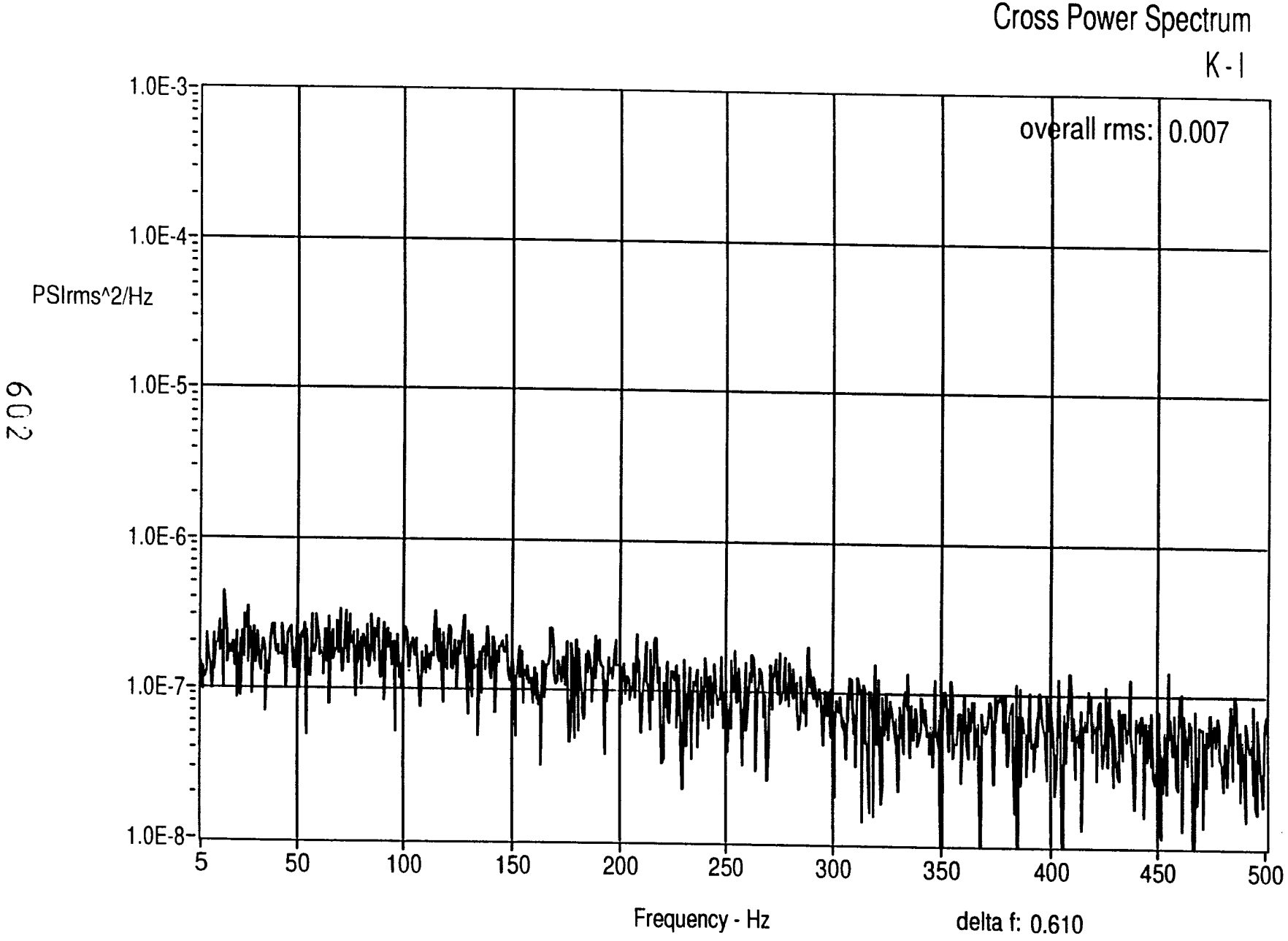


009

F-15 TPN_3361: alpha=32 beta=4 bp=45

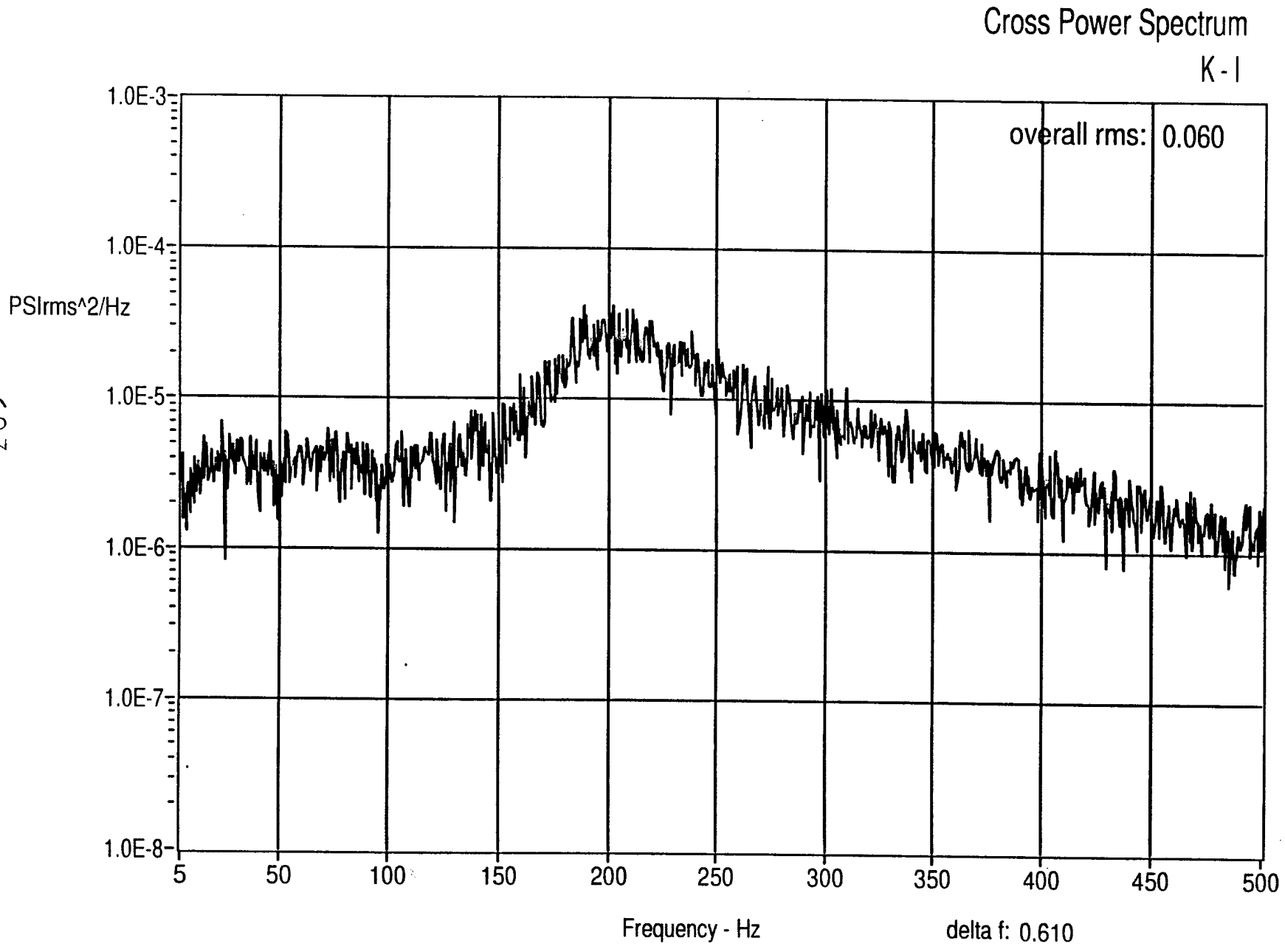


F-15 TPN_3333: alpha=8 beta=0 bp=45

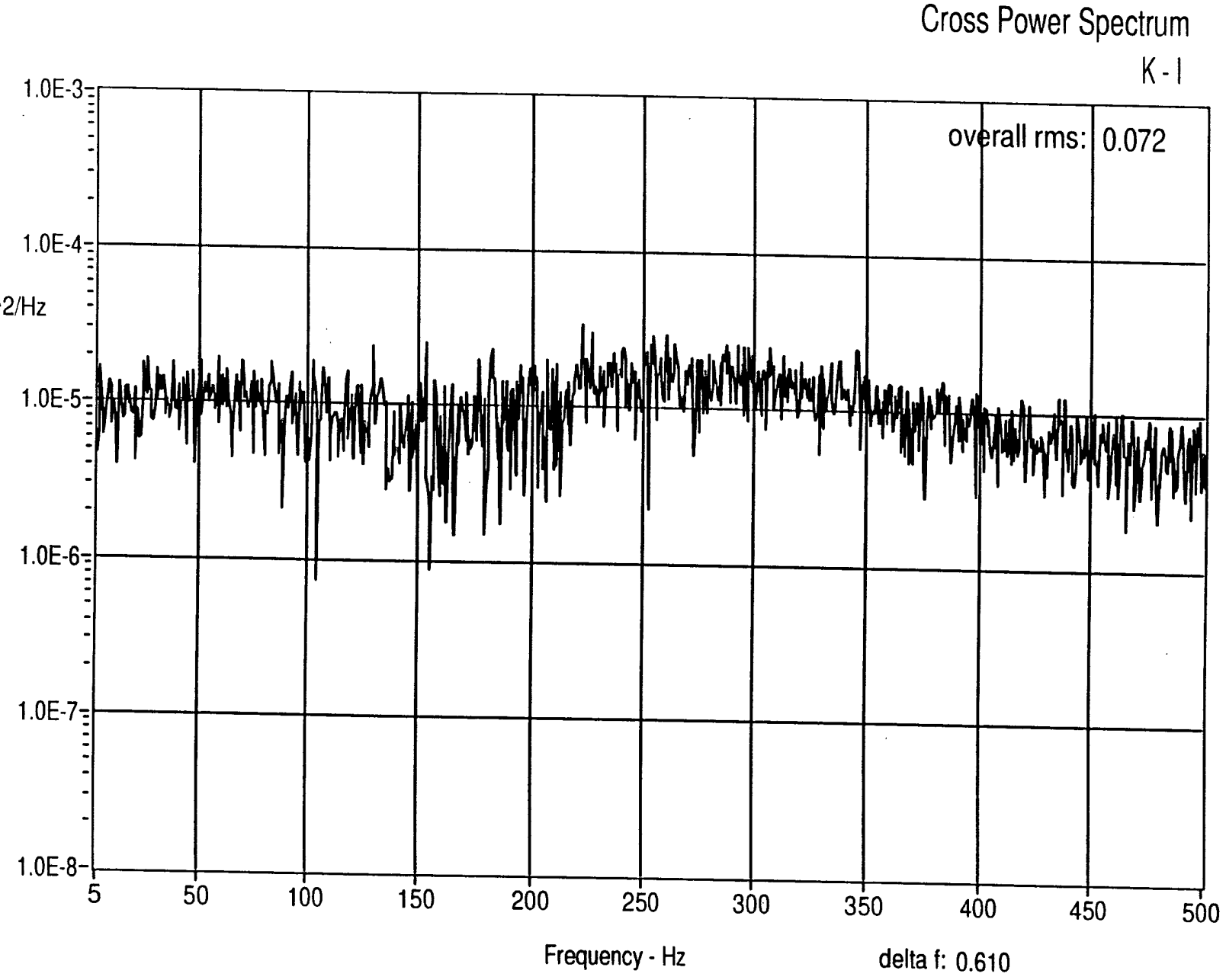


602

F-15 TPN_3339: alpha=20 beta=0 bp=45

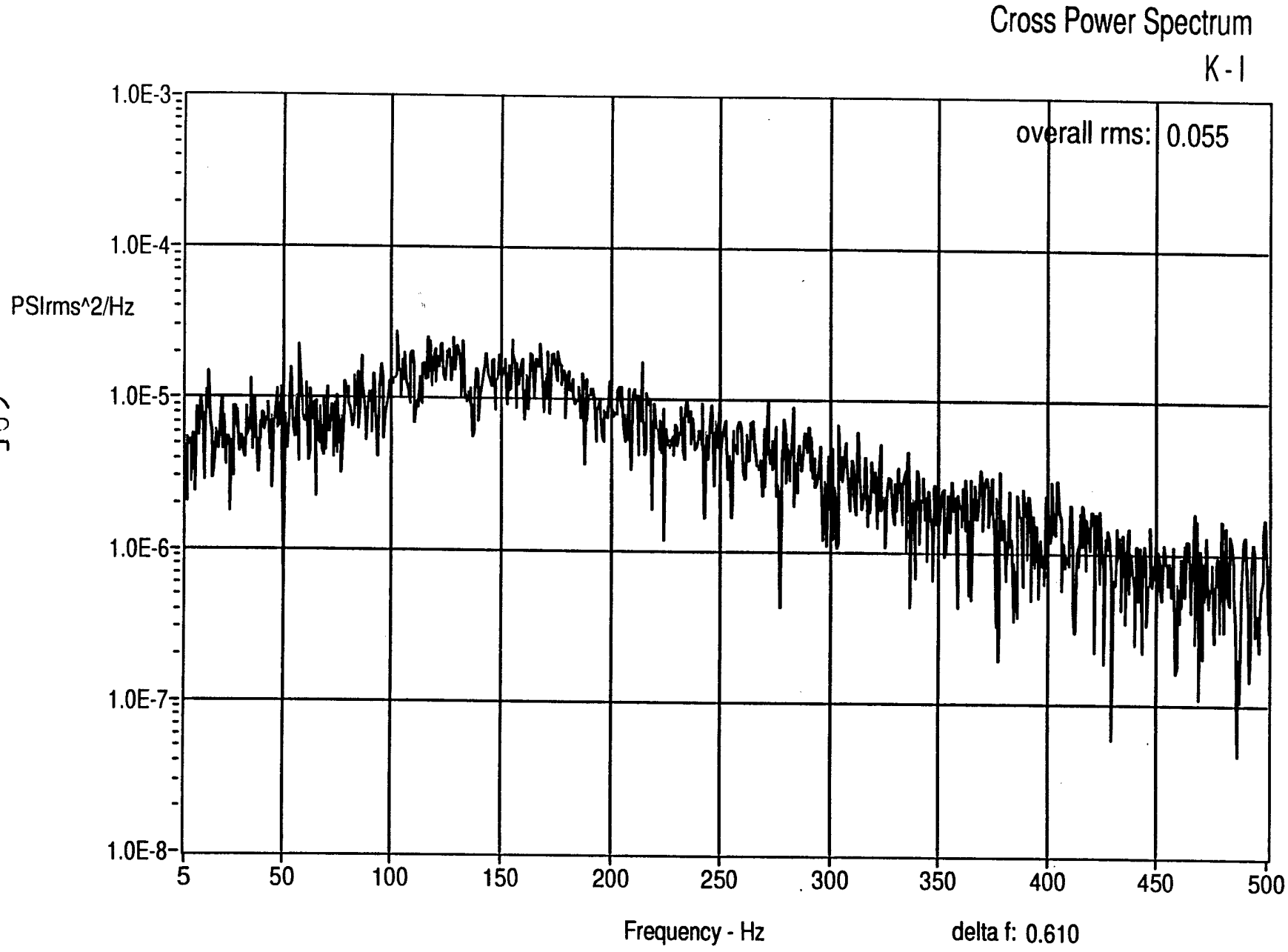


F-15 TPN_3341: alpha=24 beta=0 bp=45



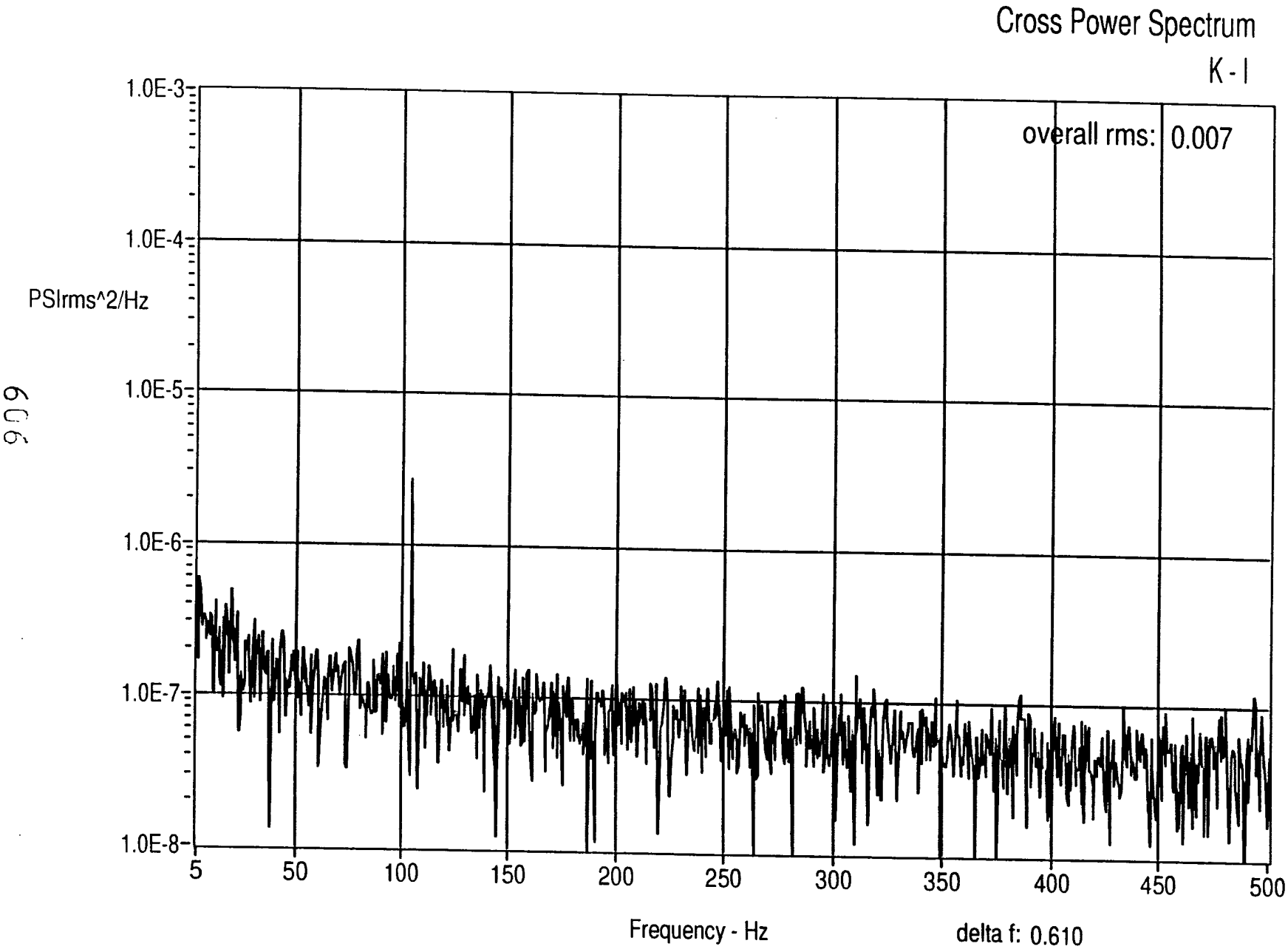
604

F-15 TPN_3343: alpha=32 beta=0 bp=45

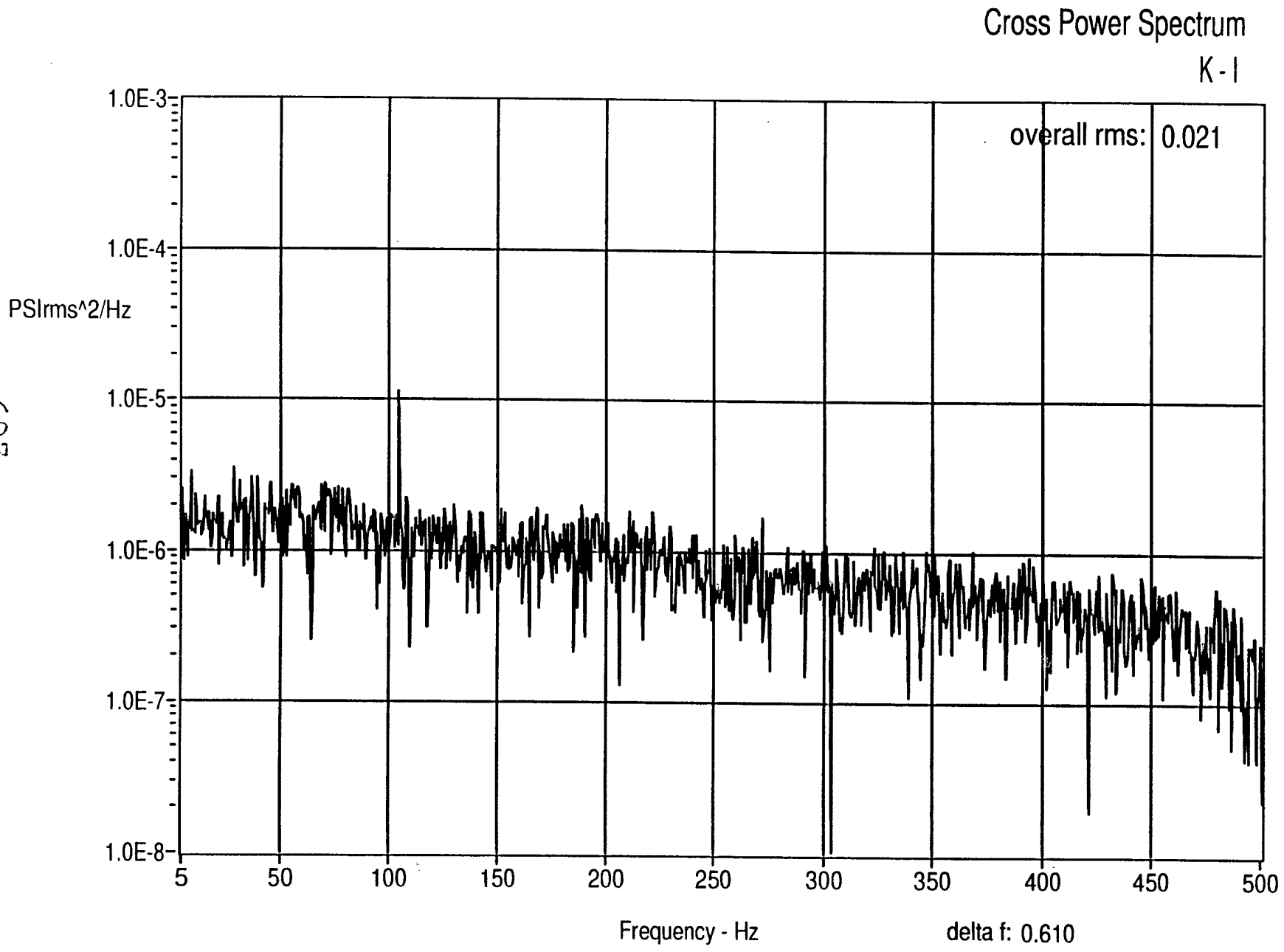


605

F-15 TPN_3369: alpha=8 beta=-4 bp=45

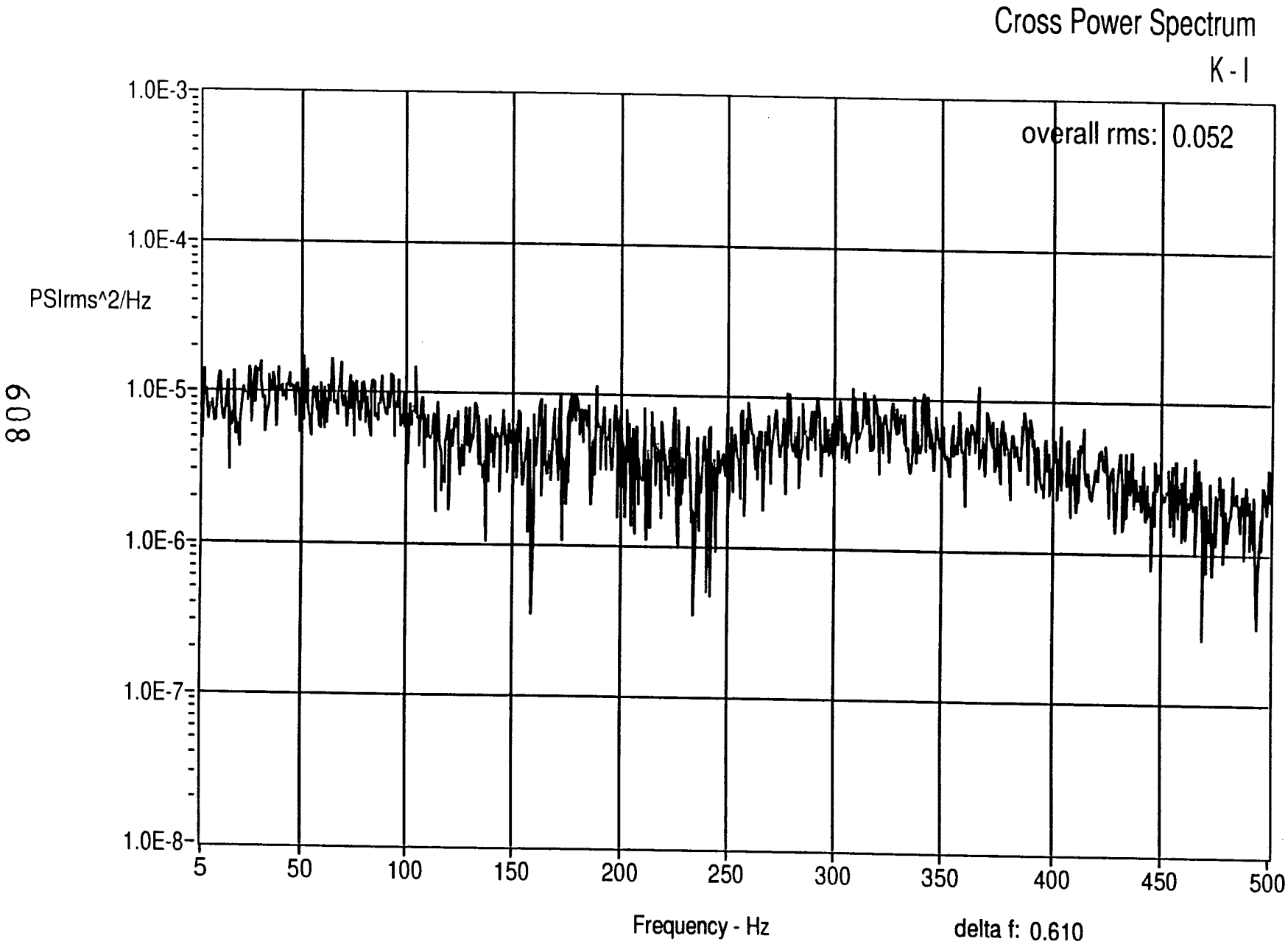


F-15 TPN_3375: alpha=20 beta=-4 bp=45



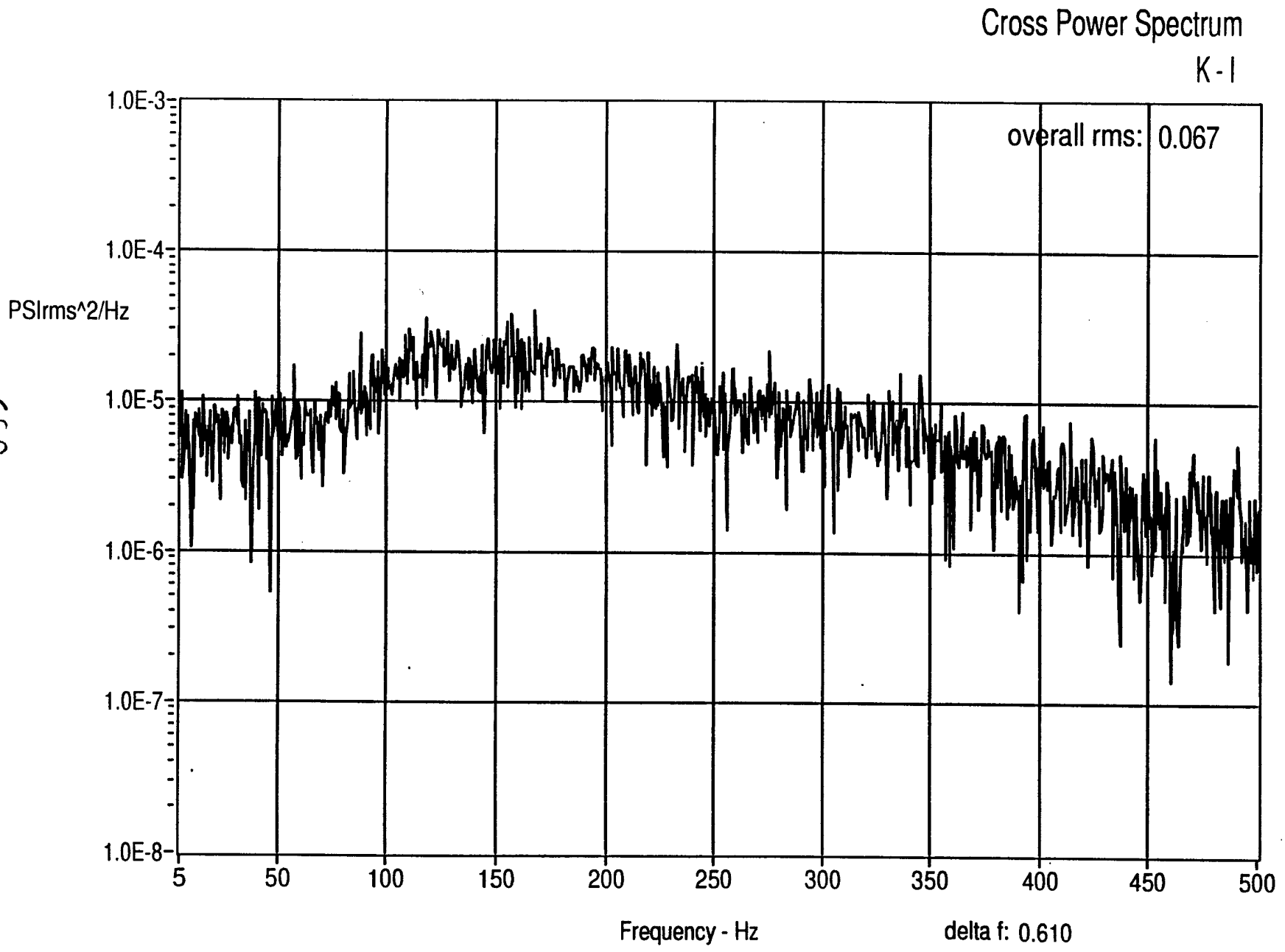
607

F-15 TPN_3377: alpha=24 beta=-4 bp=45



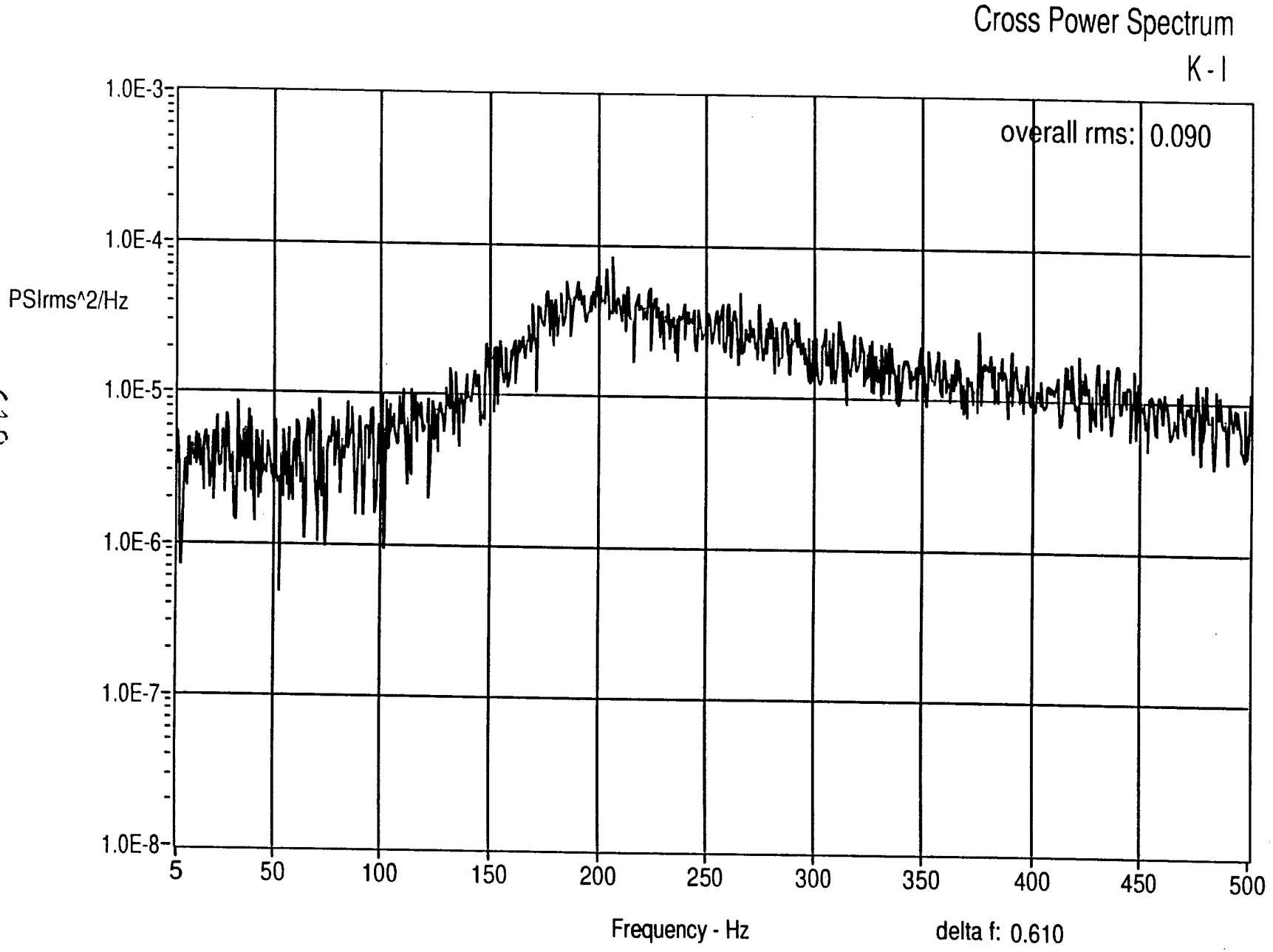
809

F-15 TPN_3379: alpha=32 beta=-4 bp=45

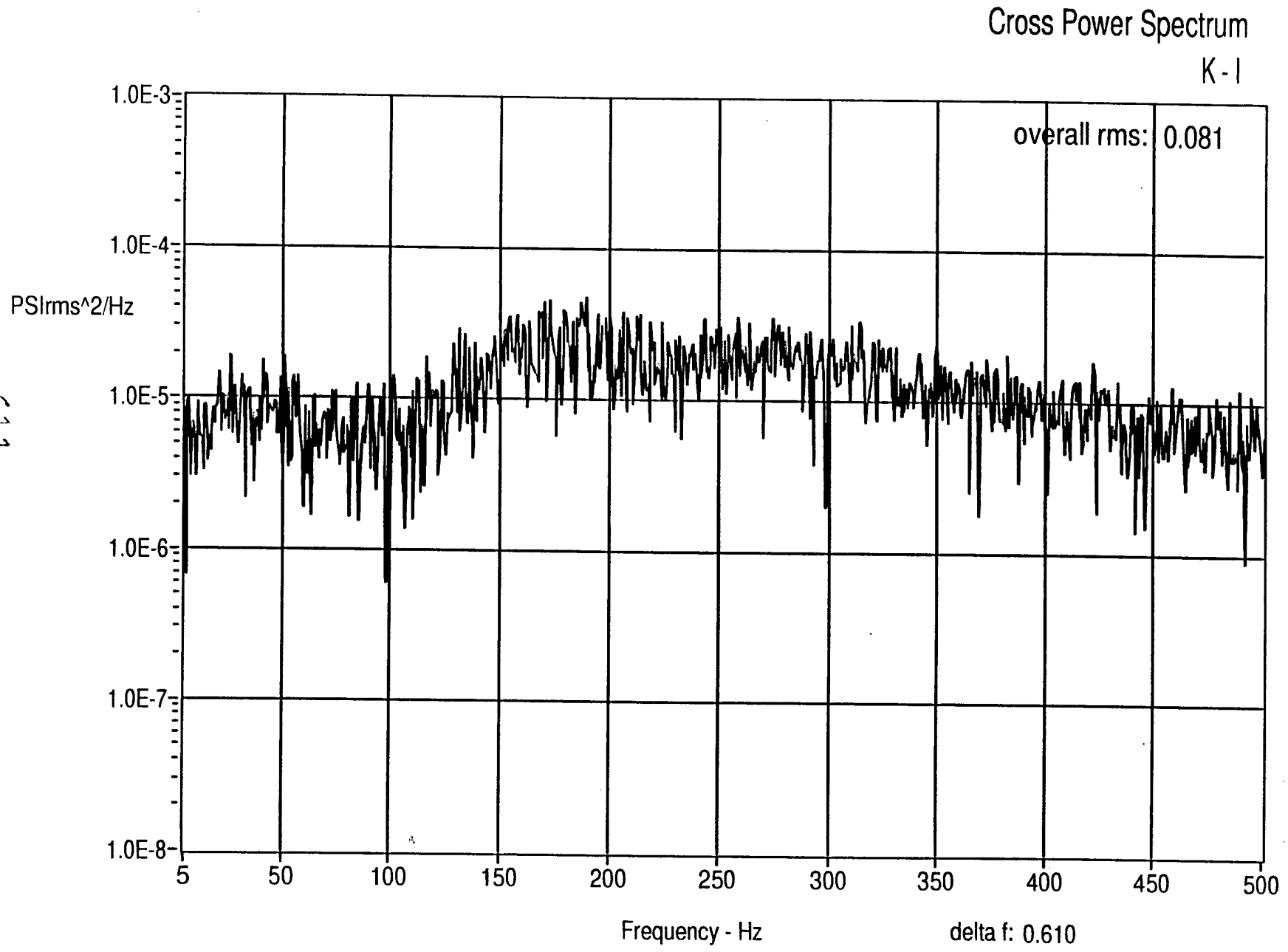


609

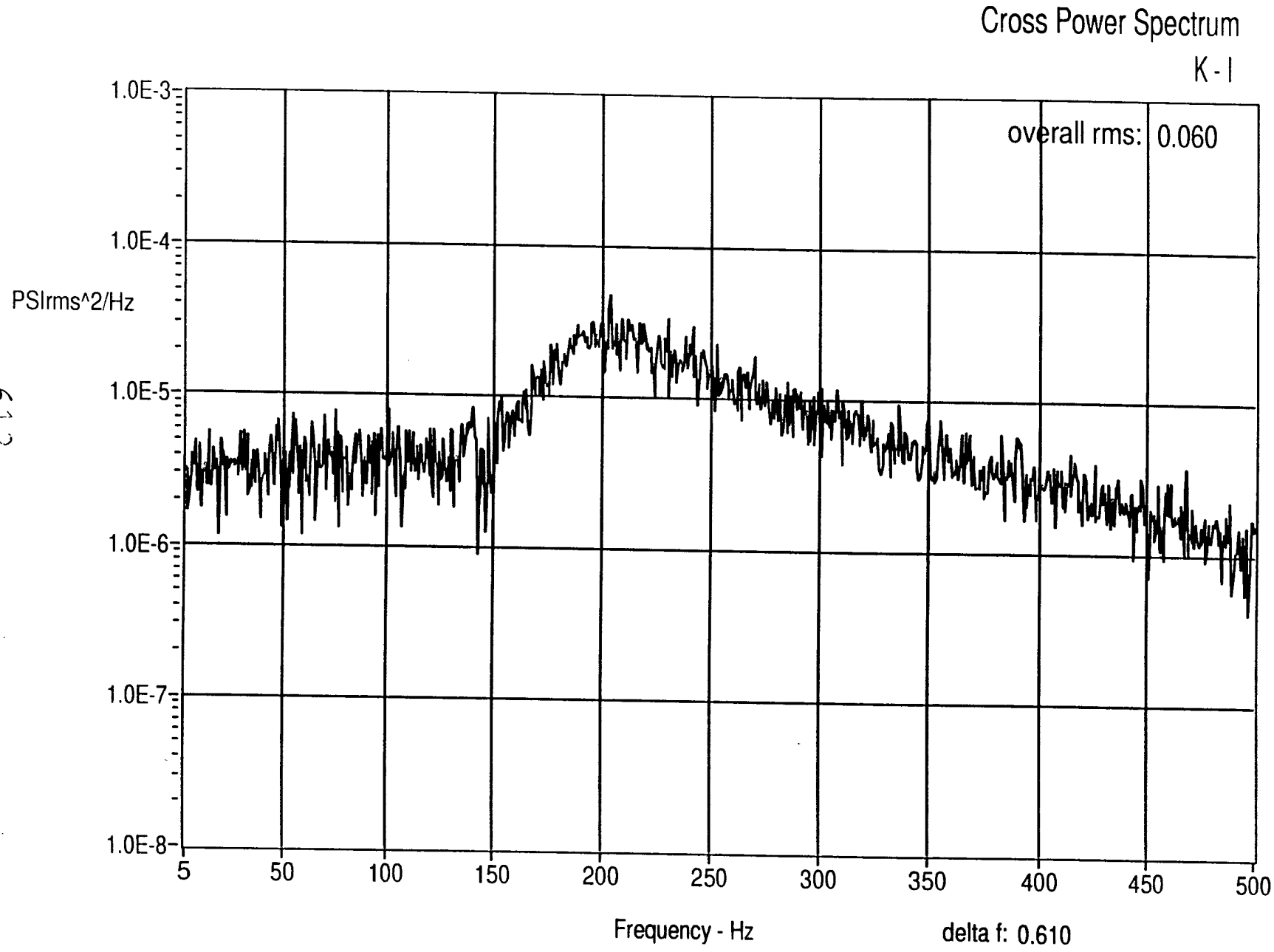
F-15 TPN_3046: alpha=20 beta=4 bp=65



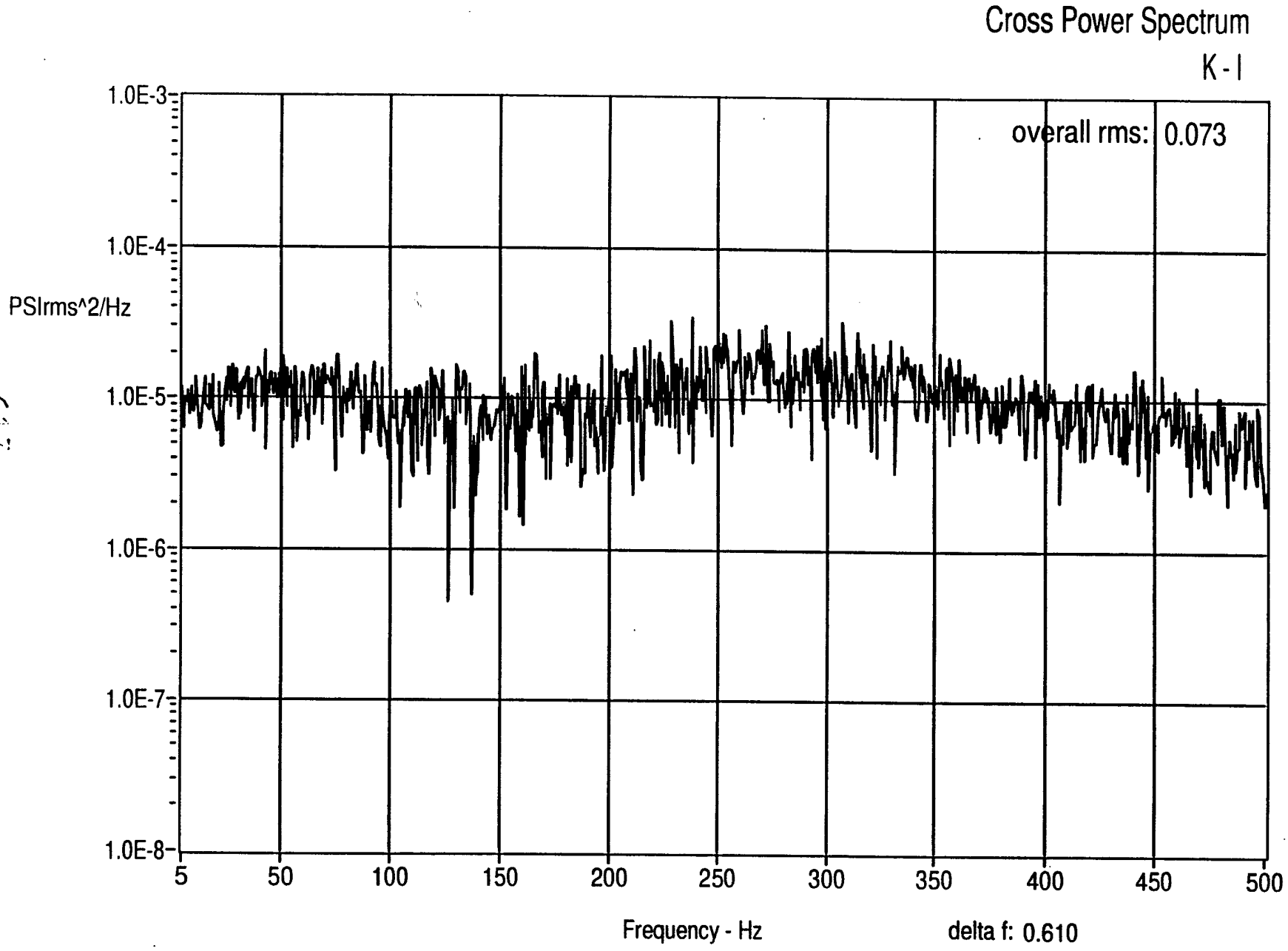
F-15 TPN_3048: alpha=24 beta=4 bp=65



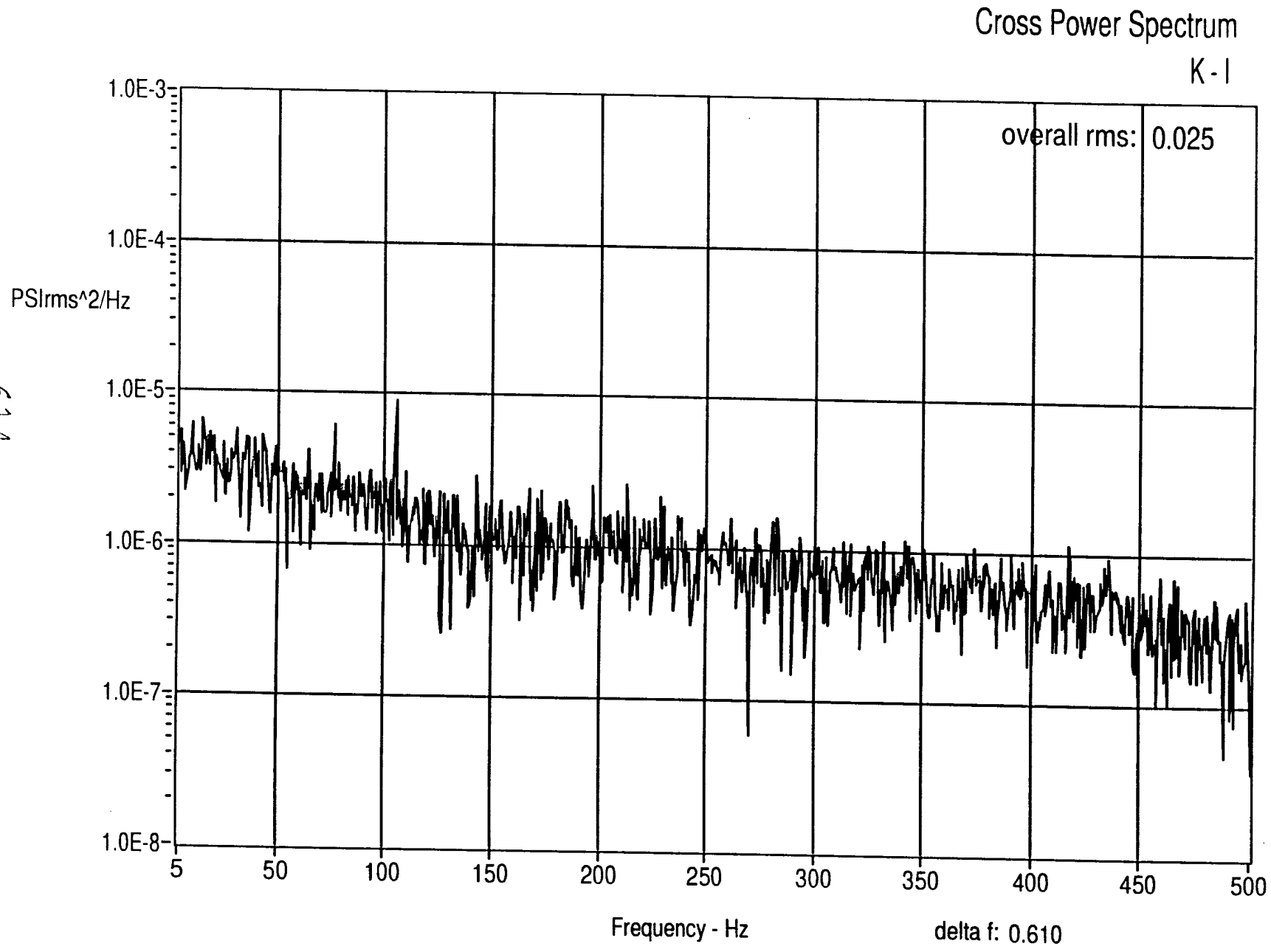
F-15 TPN_3040: alpha=20 beta=0 bp=65



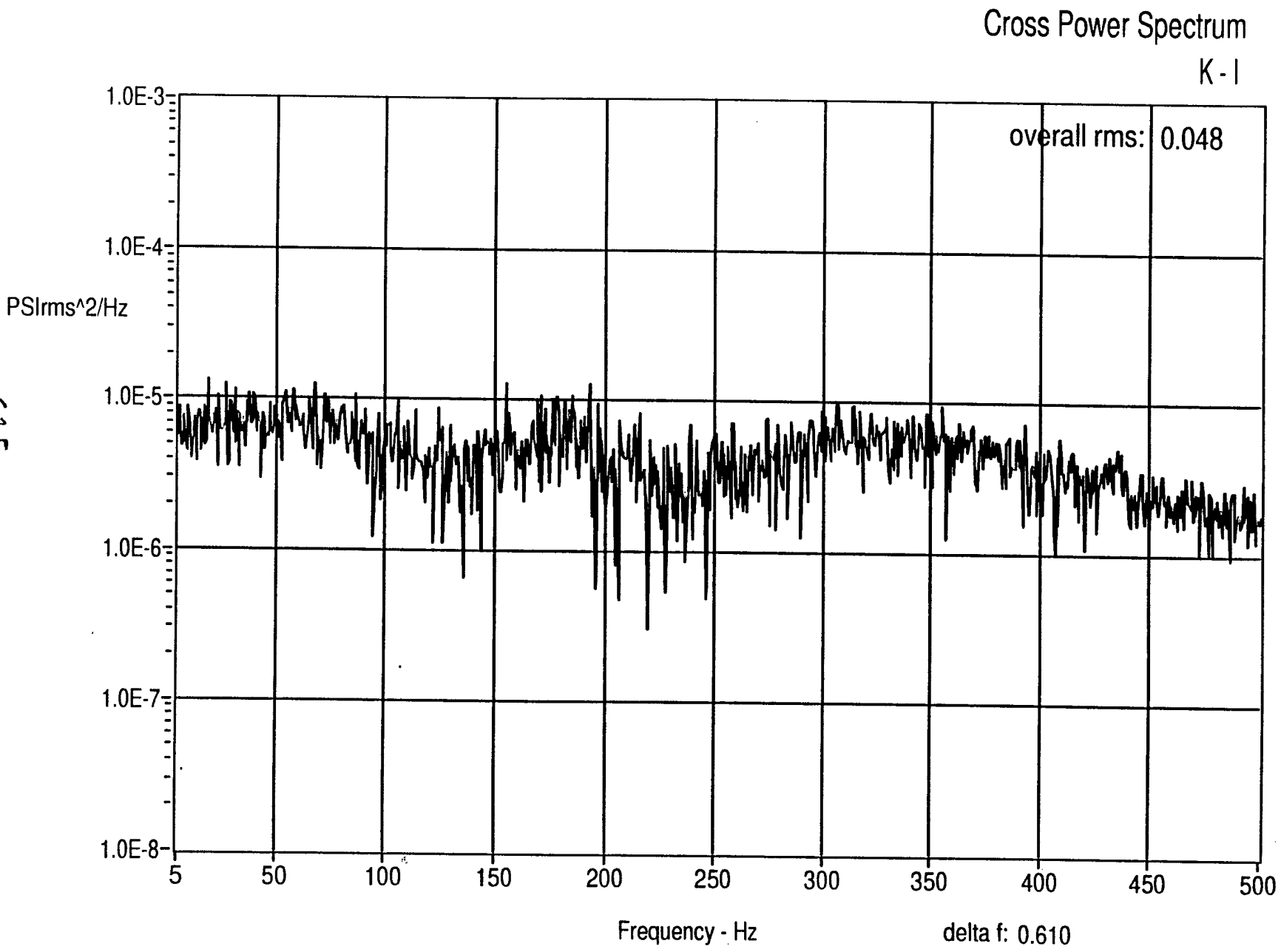
F-15 TPN_3042: alpha=24 beta=0 bp=65



F-15 TPN_3034: alpha=20 beta=-4 bp=6ℓ

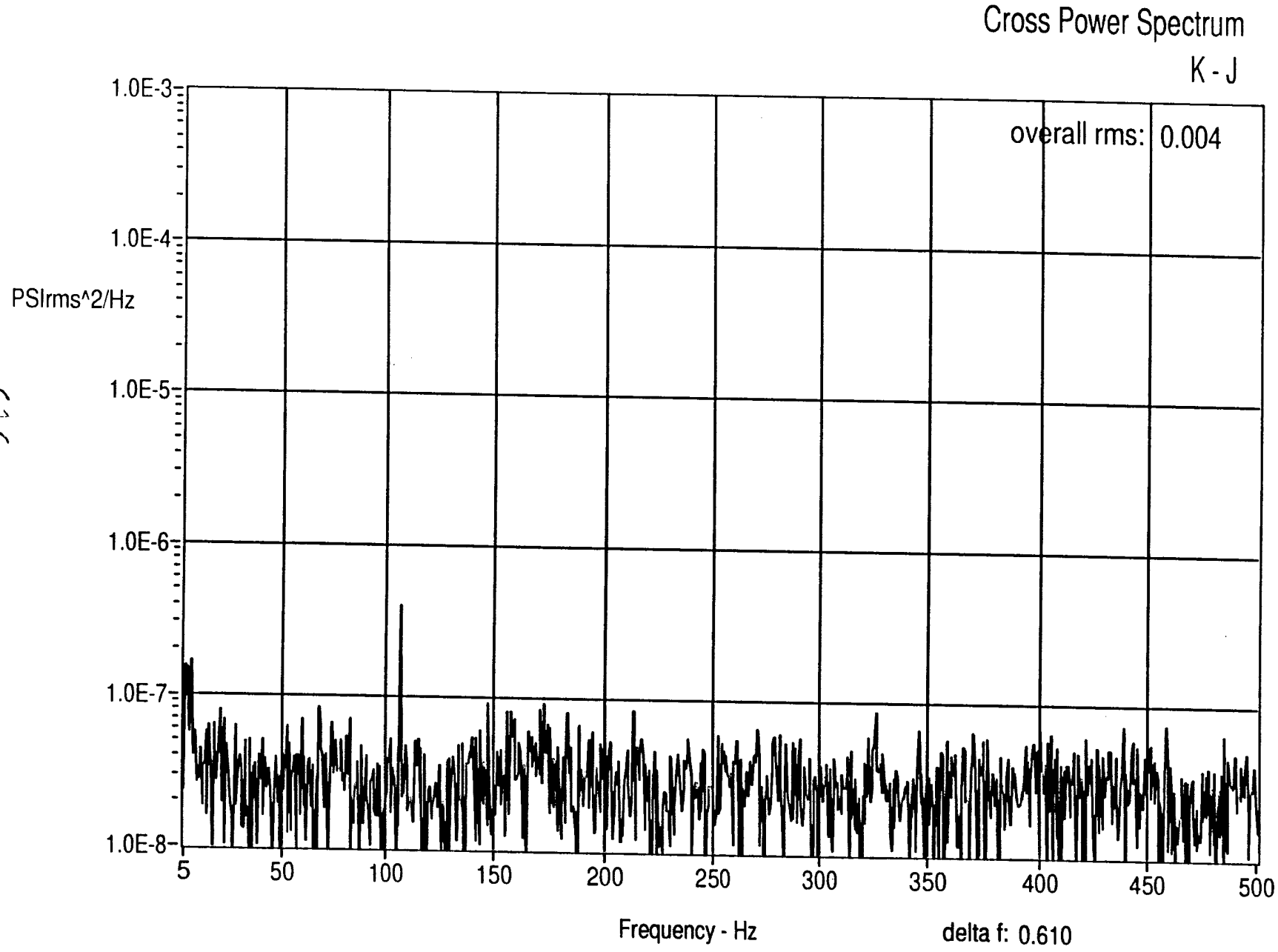


F-15 TPN_3036: alpha=24 beta=-4 bp=65

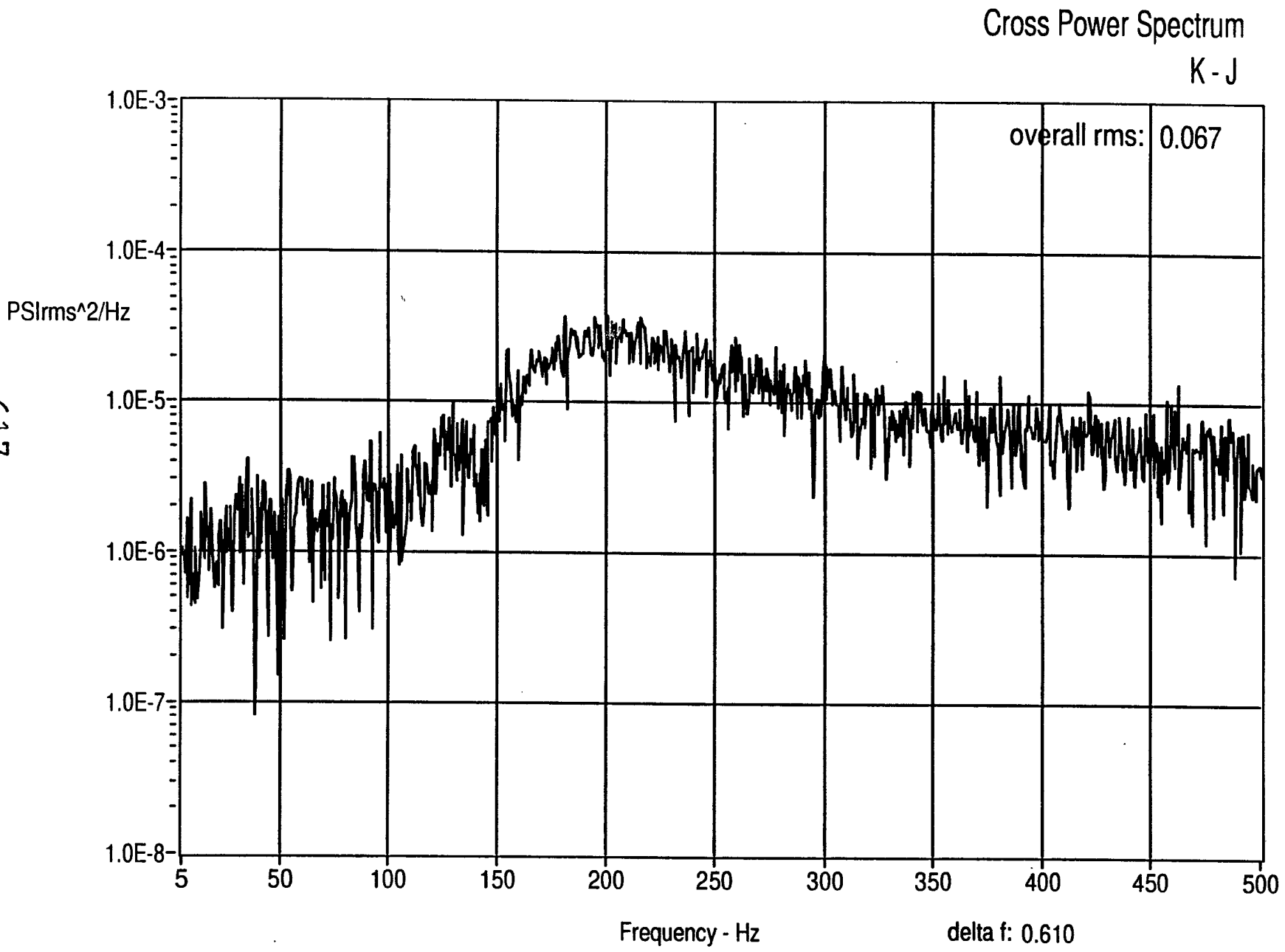


615

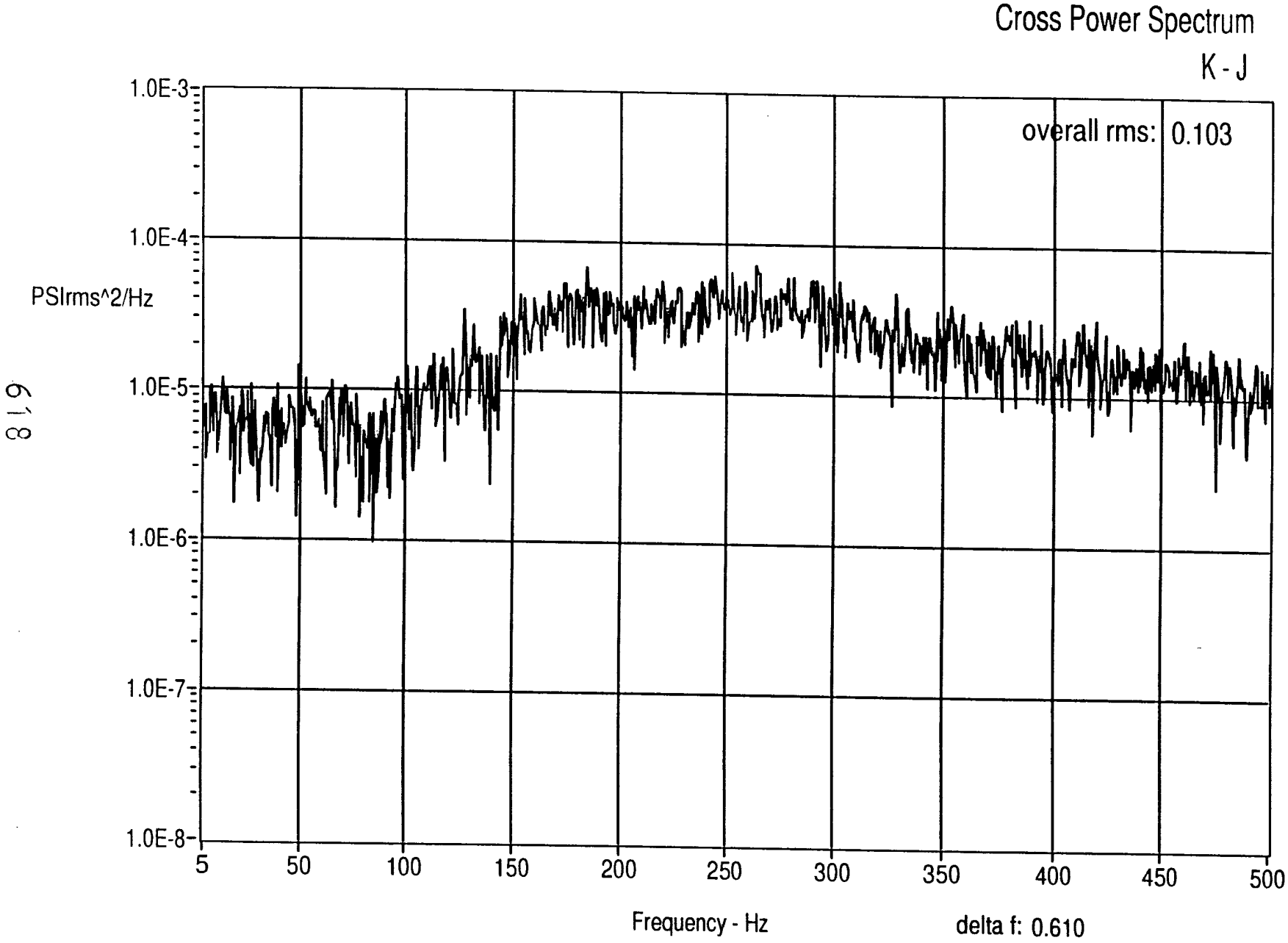
F-15 TPN_2918: alpha=8 beta=4 bp=0



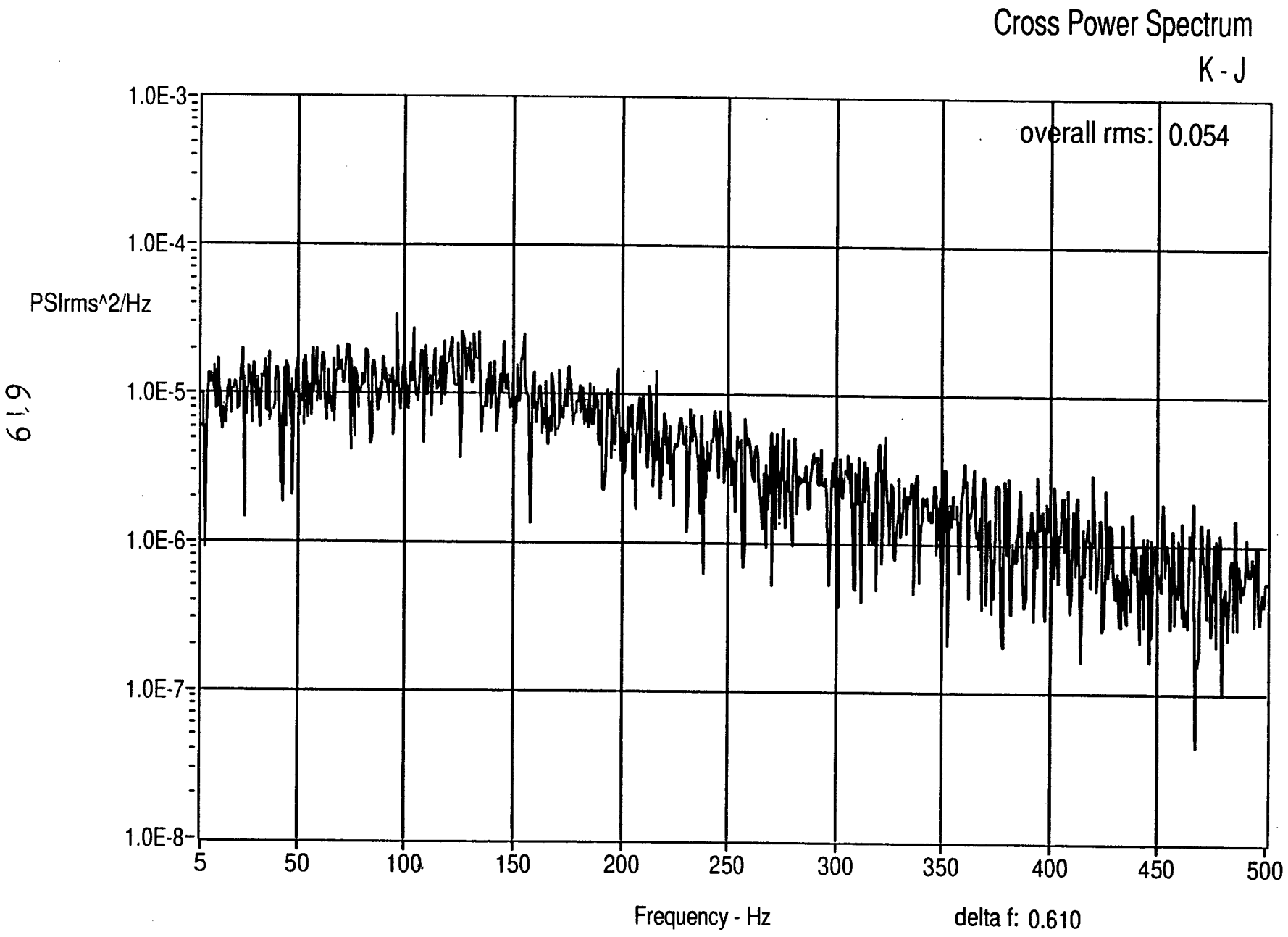
F-15 TPN_2924: alpha=20 beta=4 bp=0



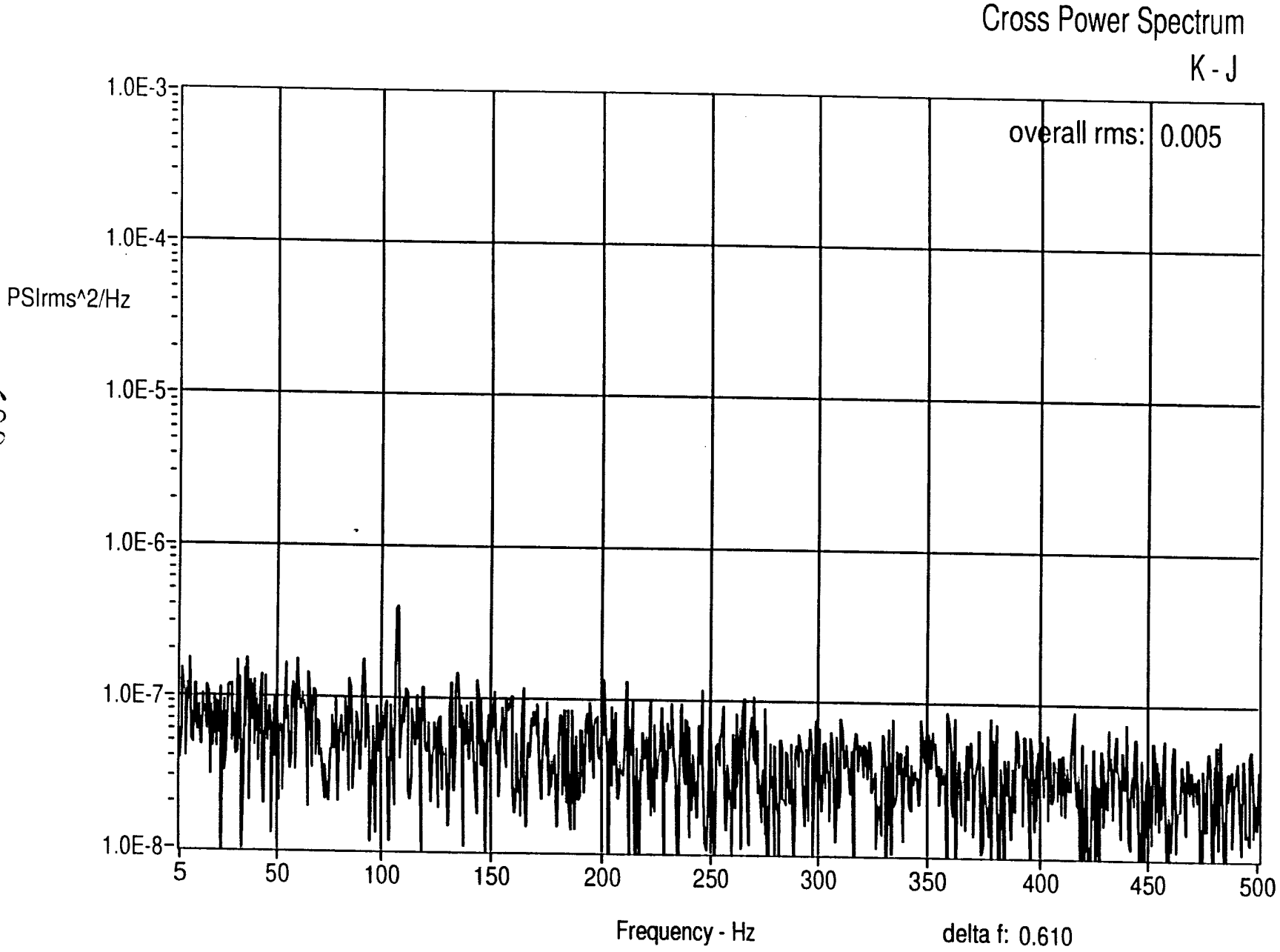
F-15 TPN_2926: alpha=24 beta=4 bp=0



F-15 TPN_2928: alpha=32 beta=4 bp=0

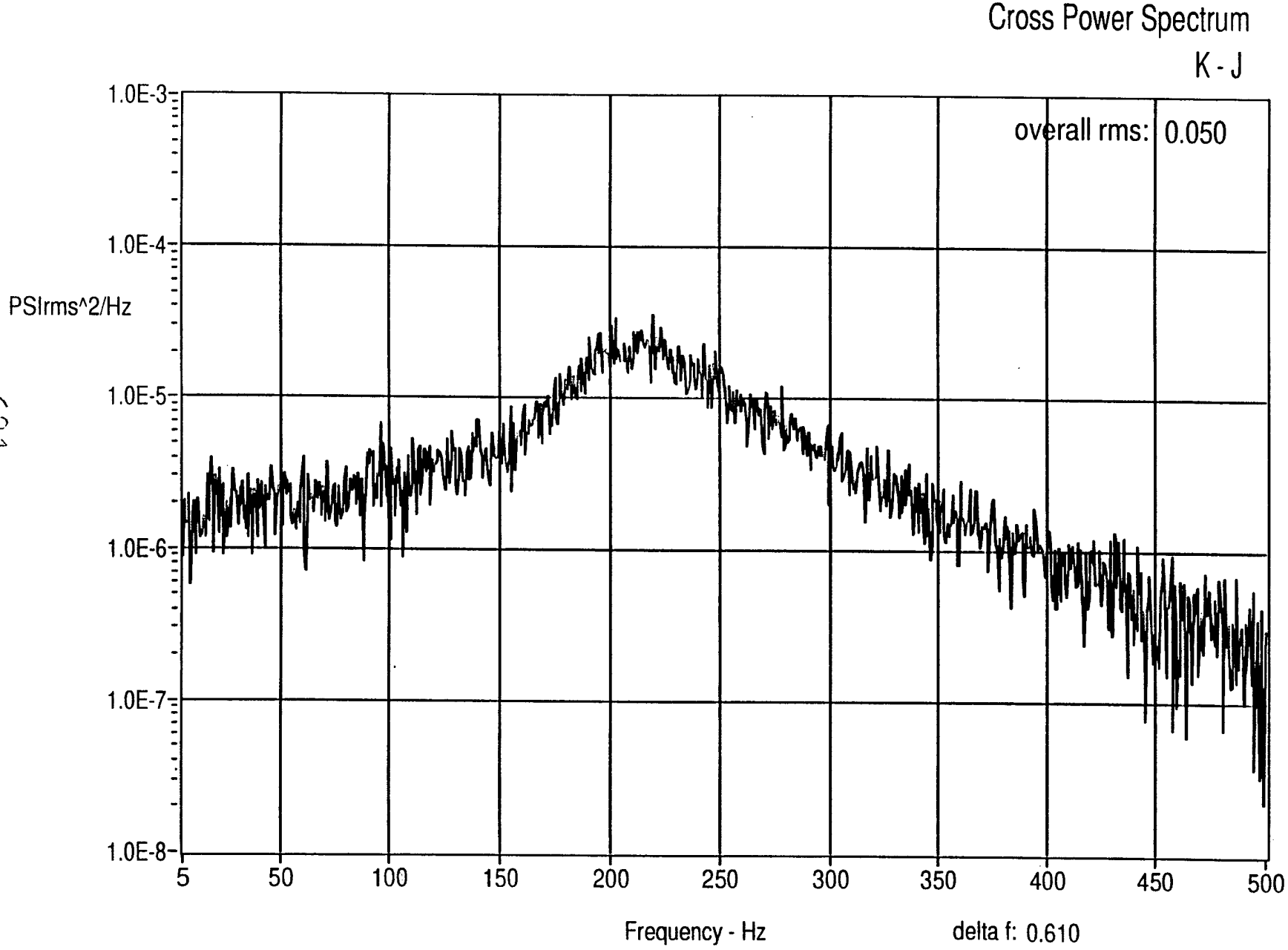


F-15 TPN_2844: alpha=8 beta=0 bp=0

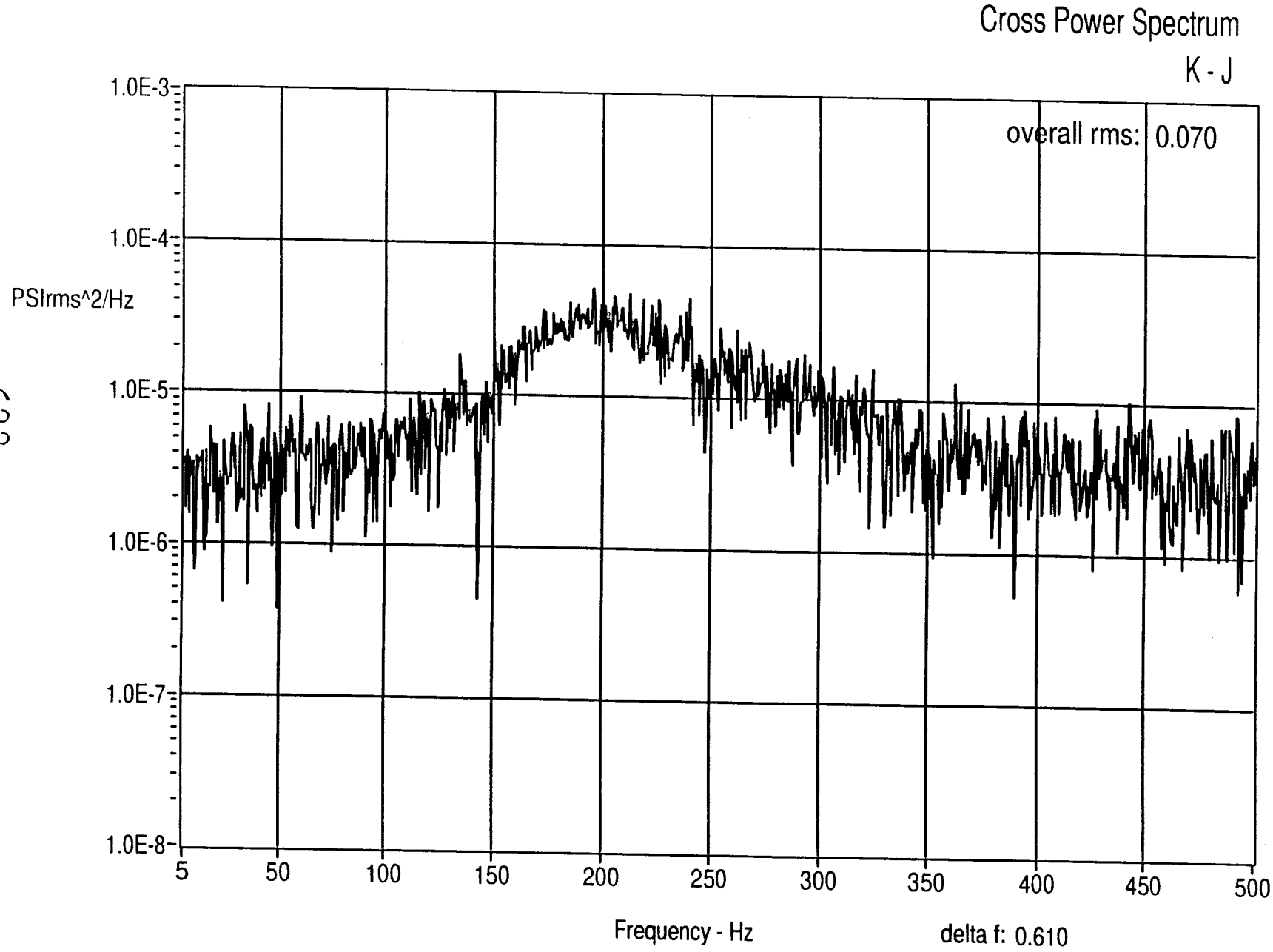


620

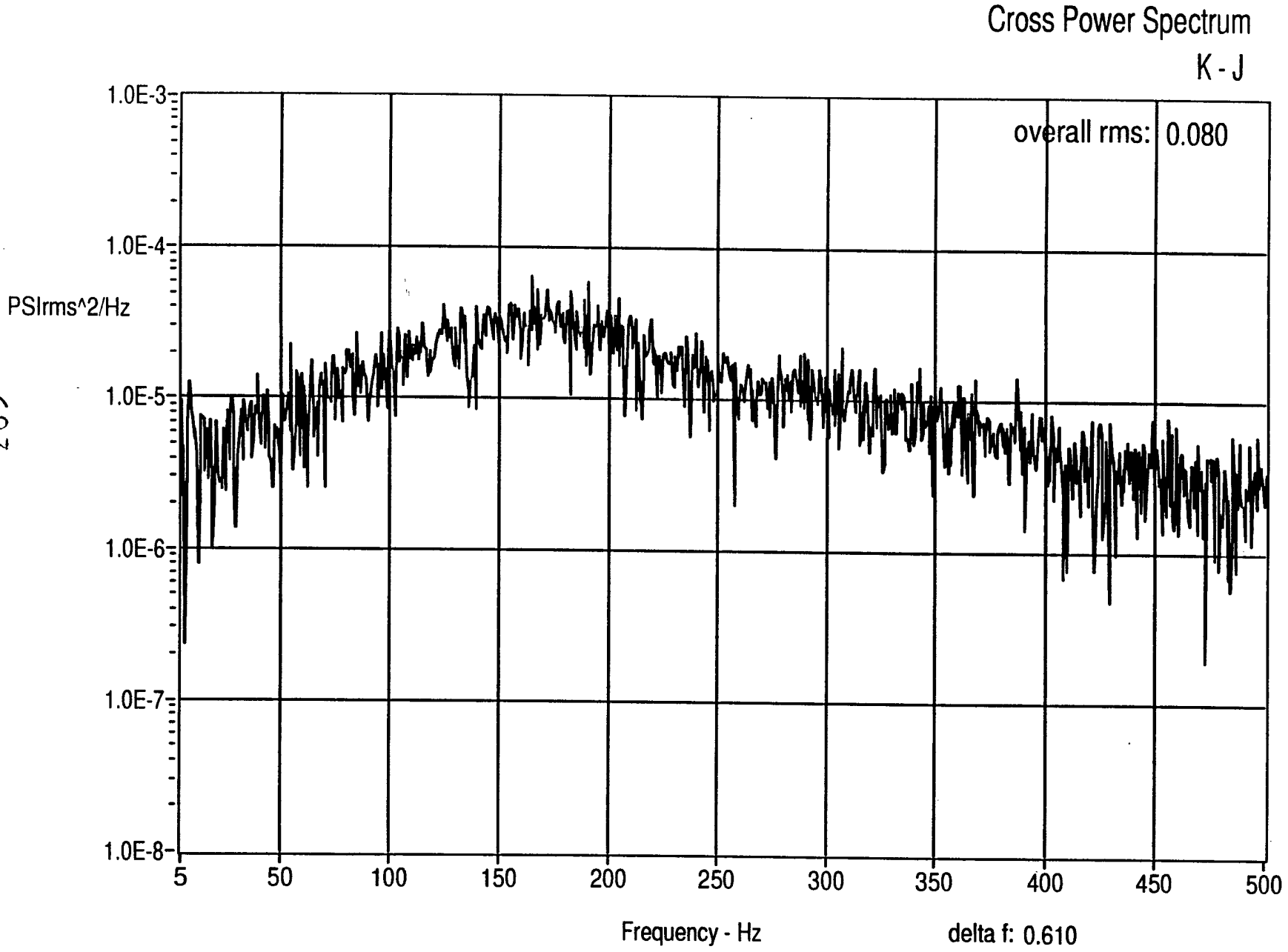
F-15 TPN_2850: alpha=20 beta=0 bp=0



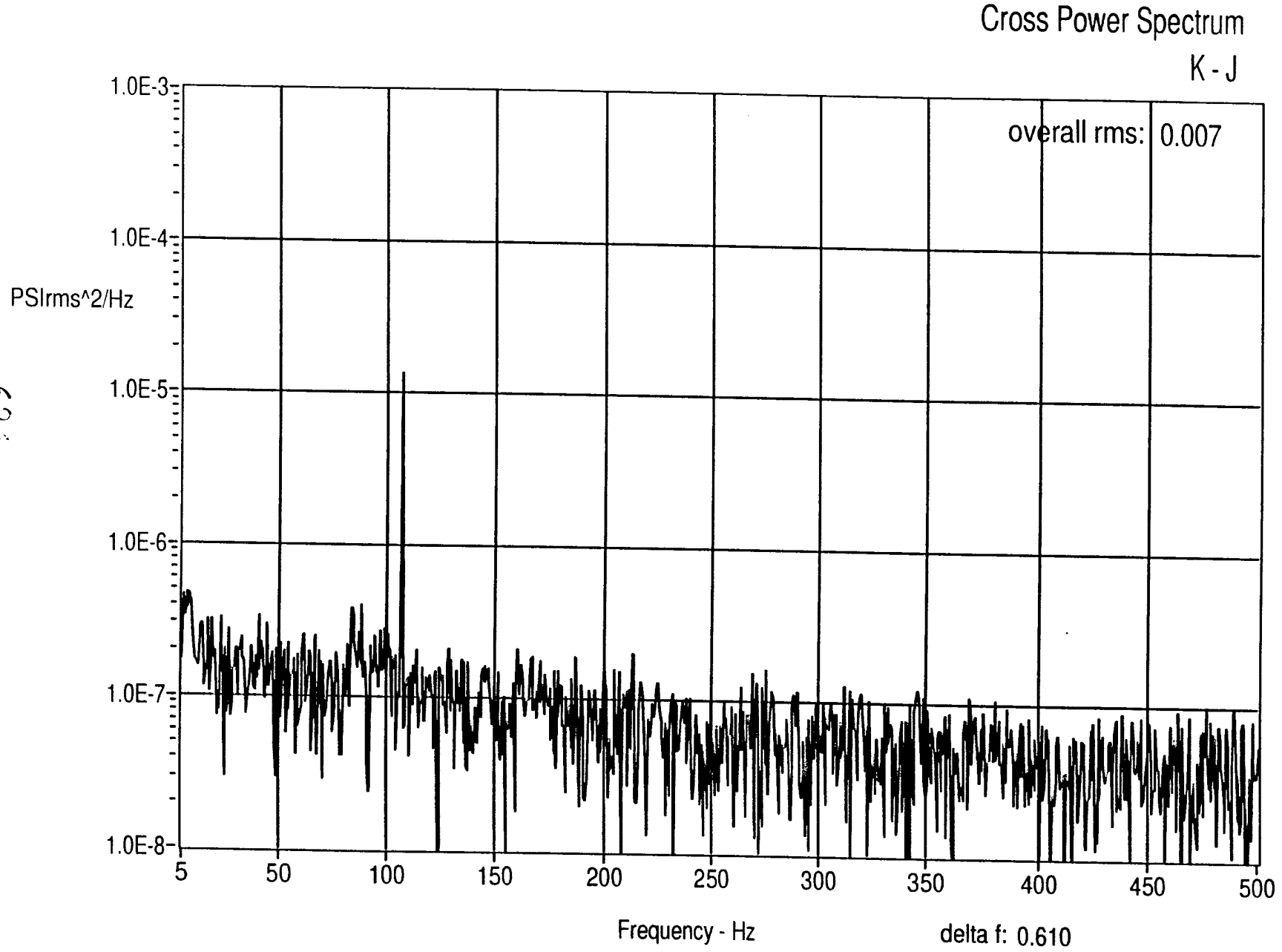
F-15 TPN_2852: alpha=24 beta=0 bp=0



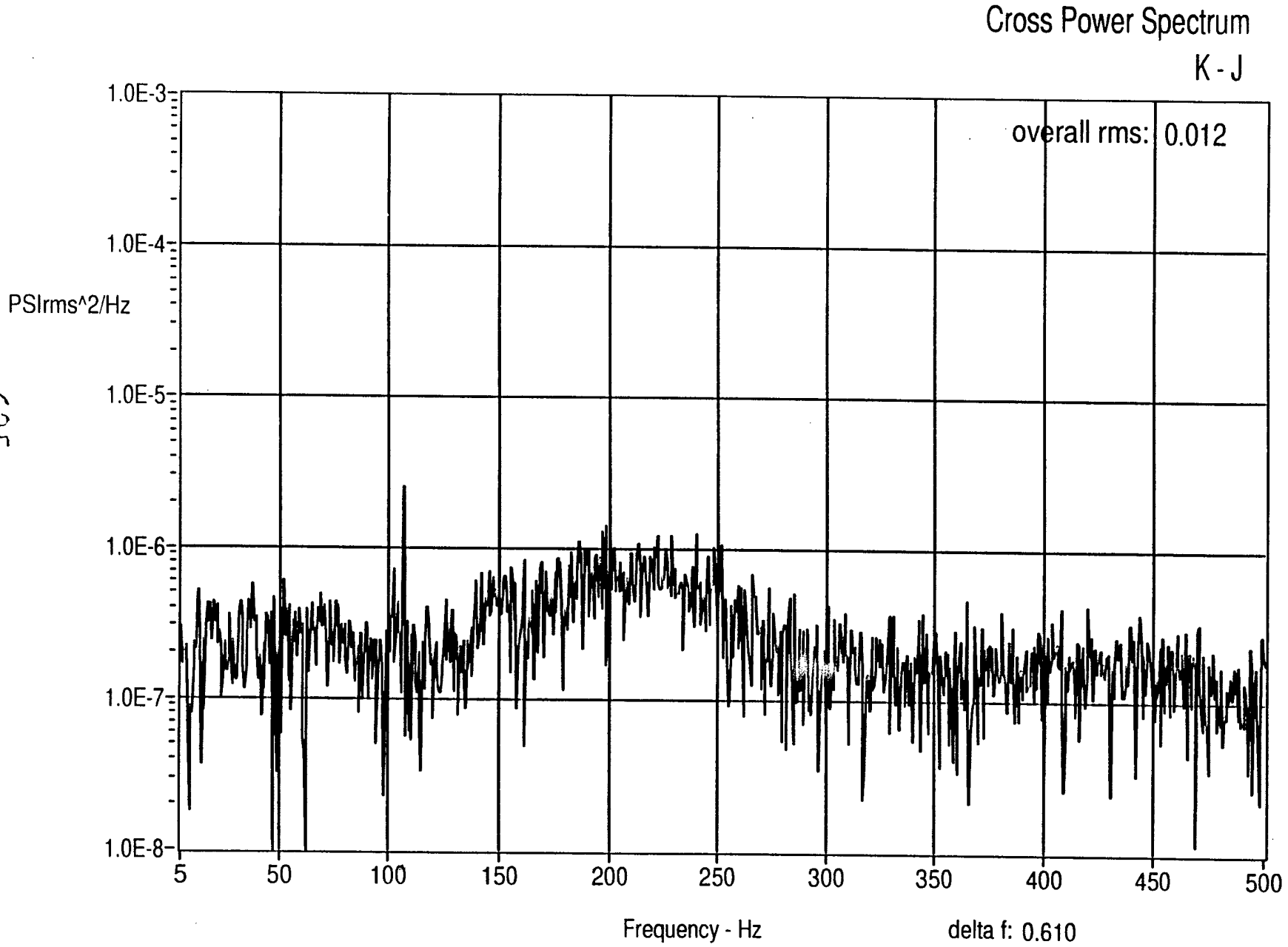
F-15 TPN_2854: alpha=32 beta=0 bp=0



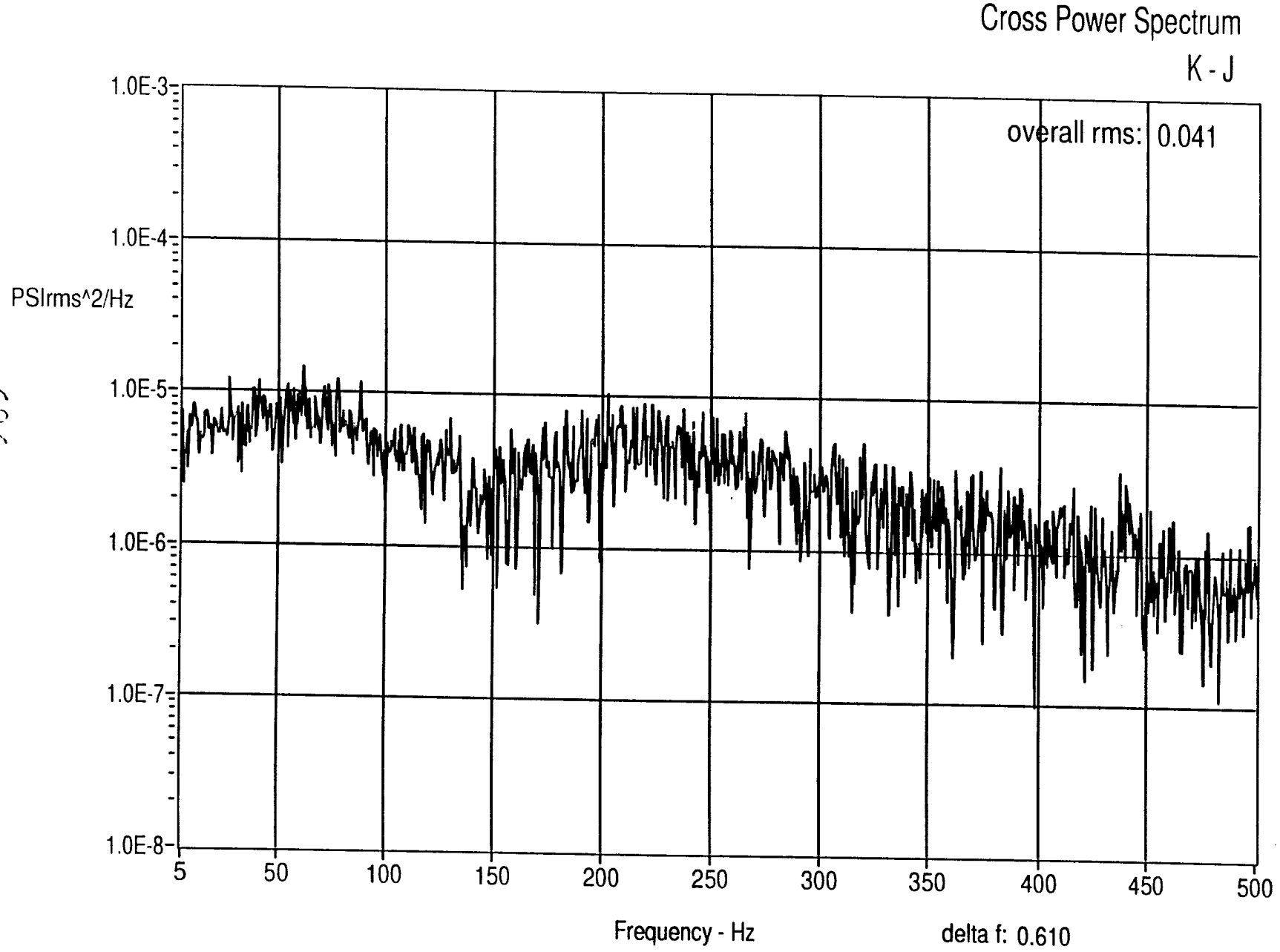
F-15 TPN_2864: alpha=8 beta=-4 bp=0



F-15 TPN_2870: alpha=20 beta=-4 bp=0

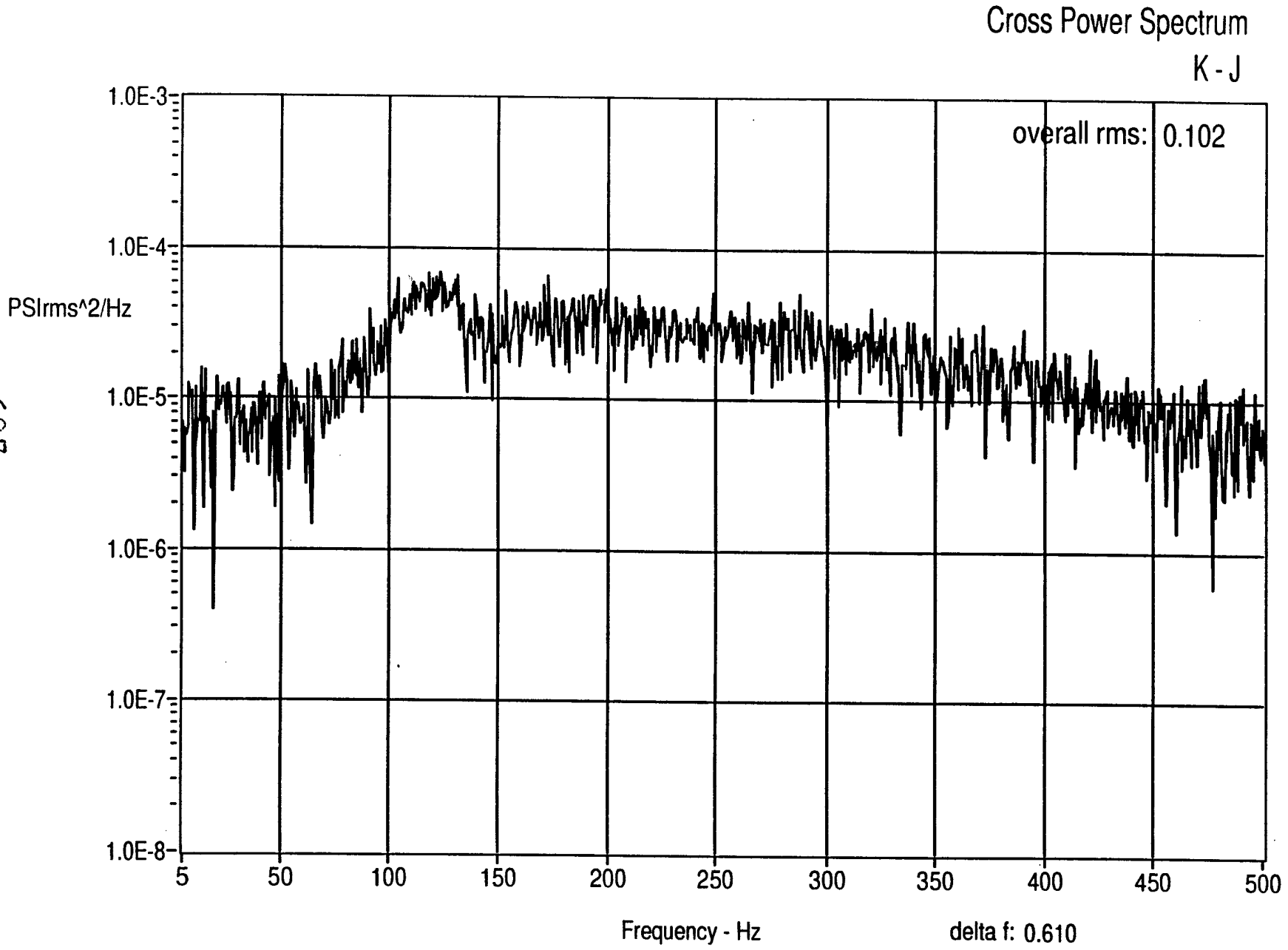


F-15 TPN_2872: alpha=24 beta=-4 bp=0

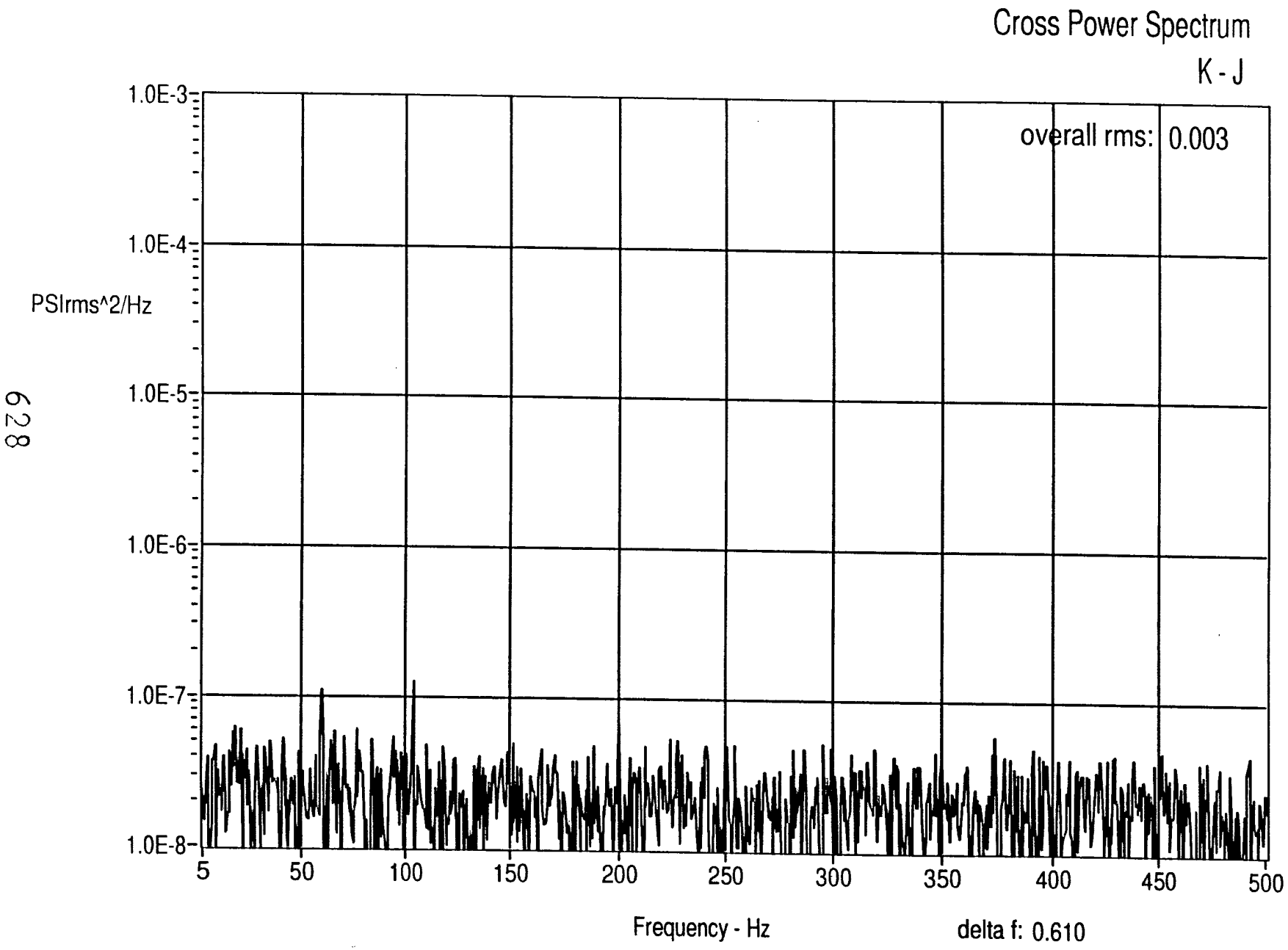


626

F-15 TPN_2874: alpha=32 beta=-4 bp=0

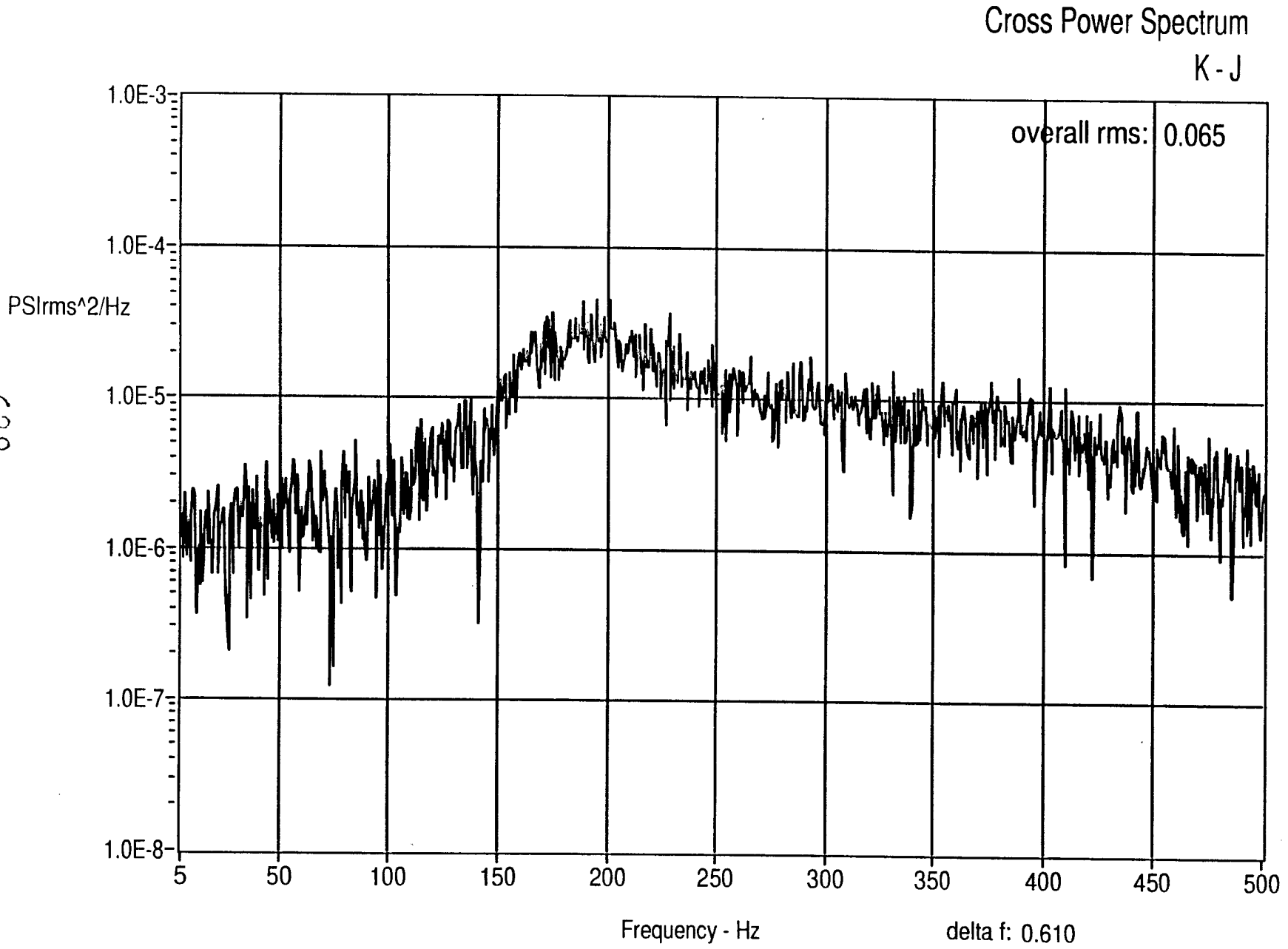


F-15 TPN_3351: alpha=8 beta=4 bp=45



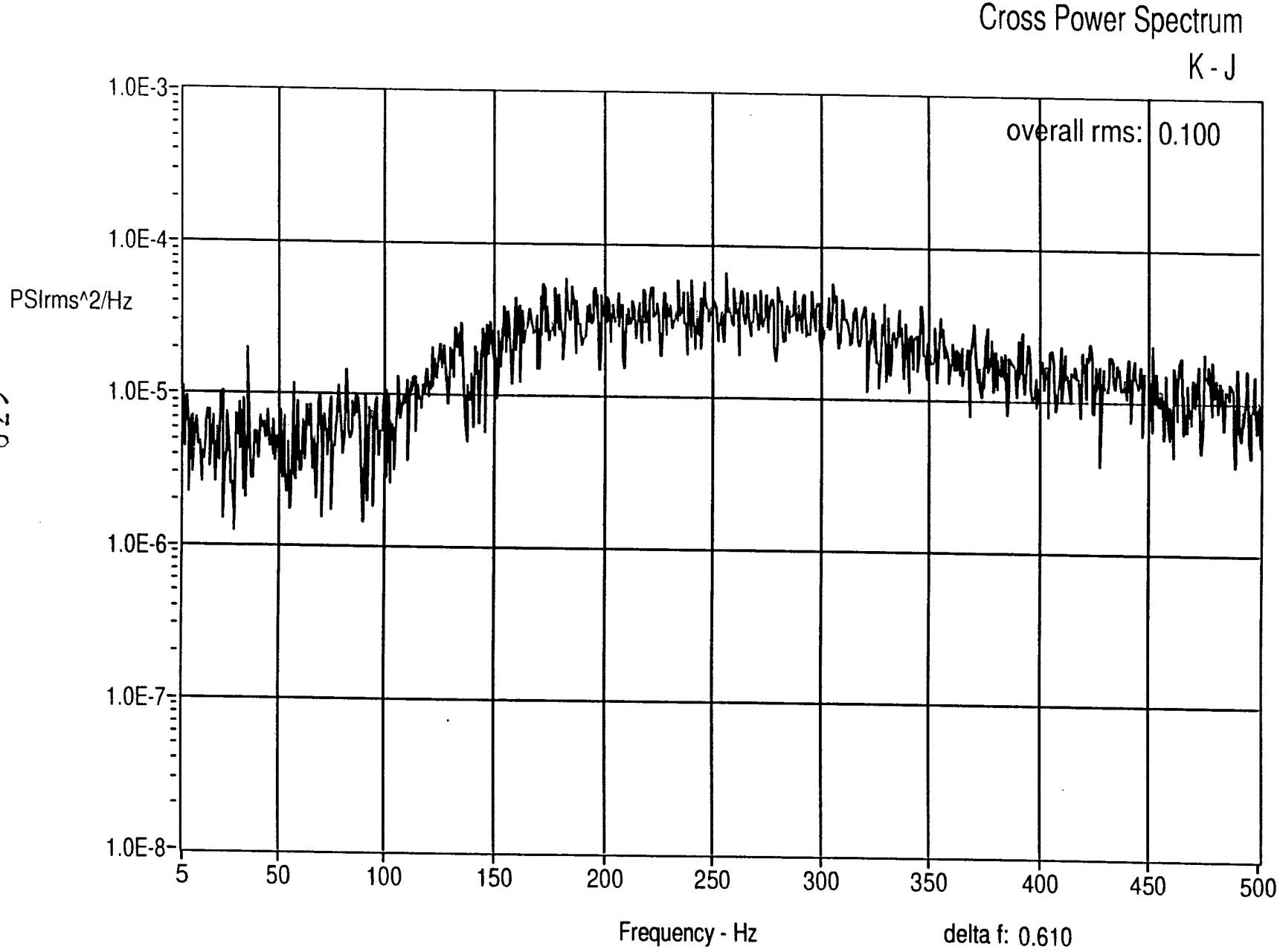
628

F-15 TPN_3357: alpha=20 beta=4 bp=45

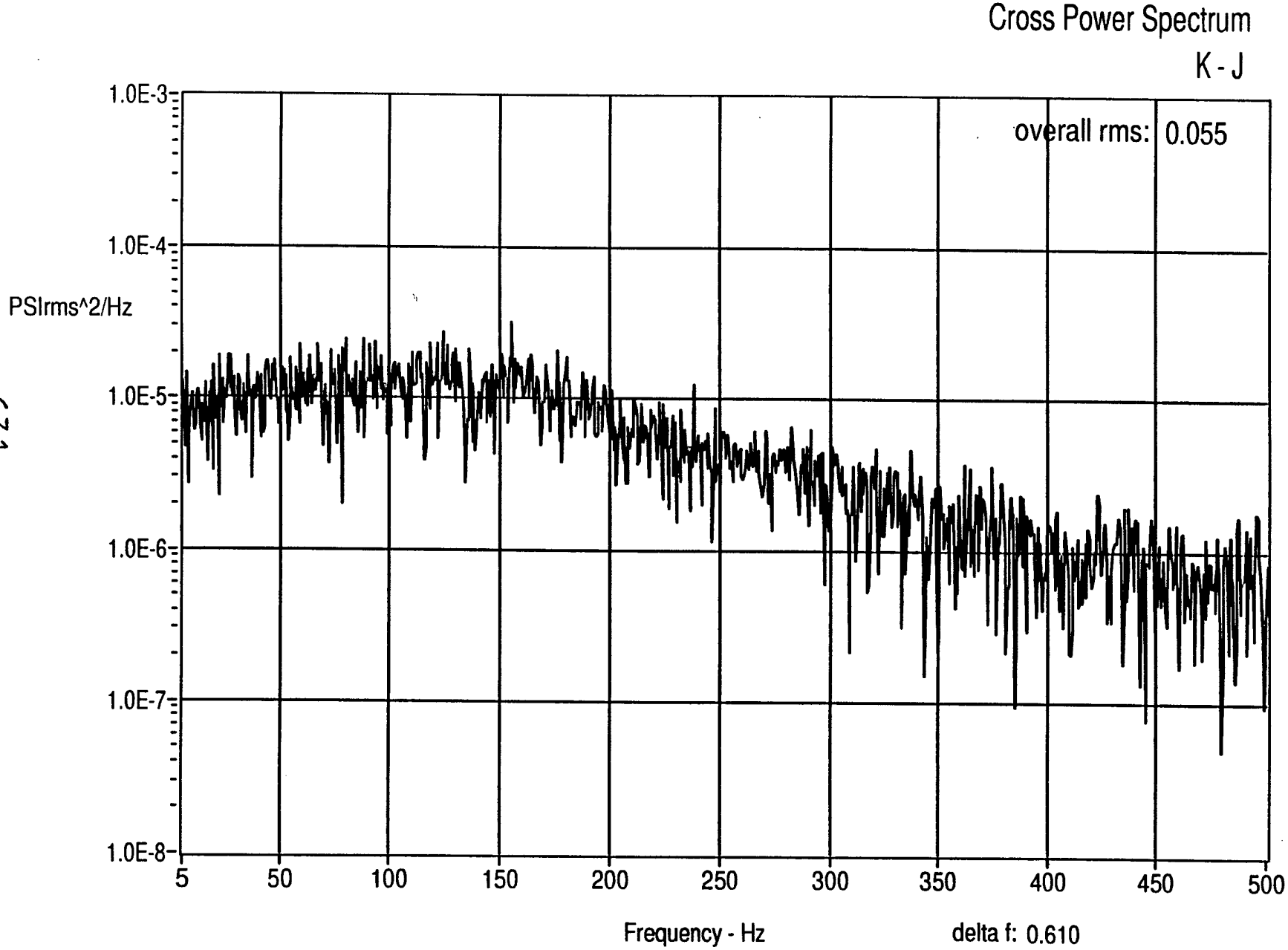


629

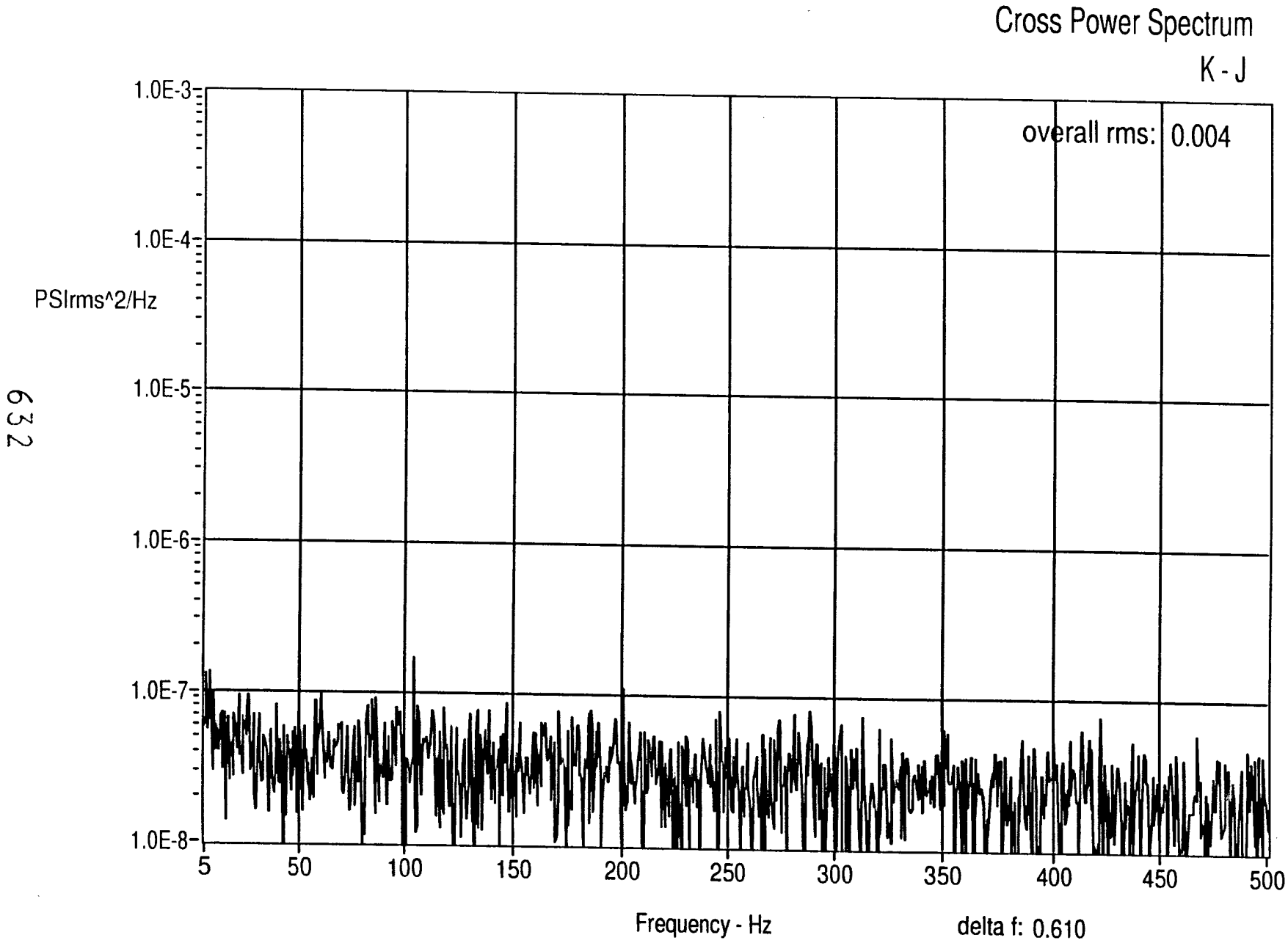
F-15 TPN_3359: alpha=24 beta=4 bp=45



F-15 TPN_3361: alpha=32 beta=4 bp=45

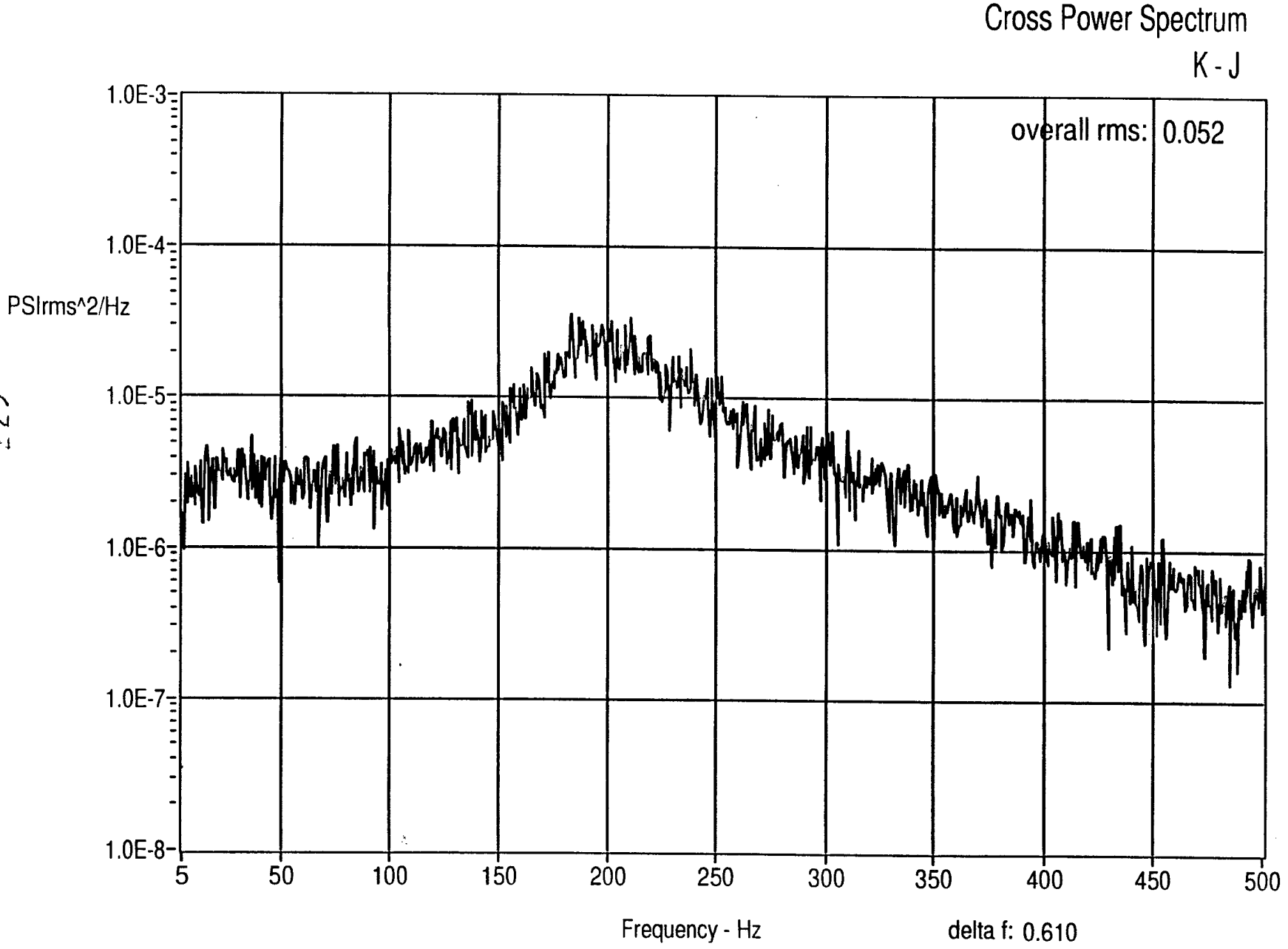


F-15 TPN_3333: alpha=8 beta=0 bp=45

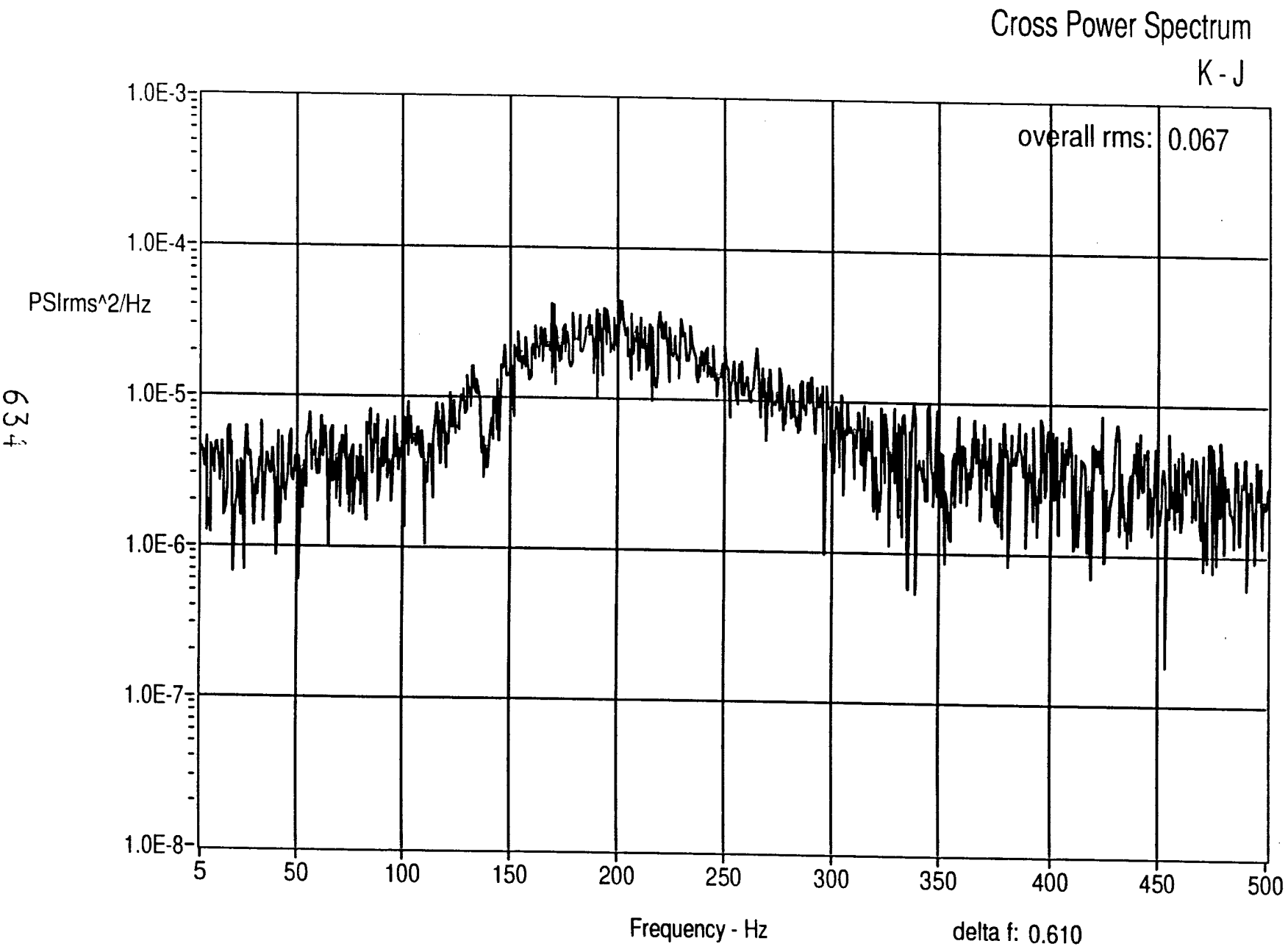


632

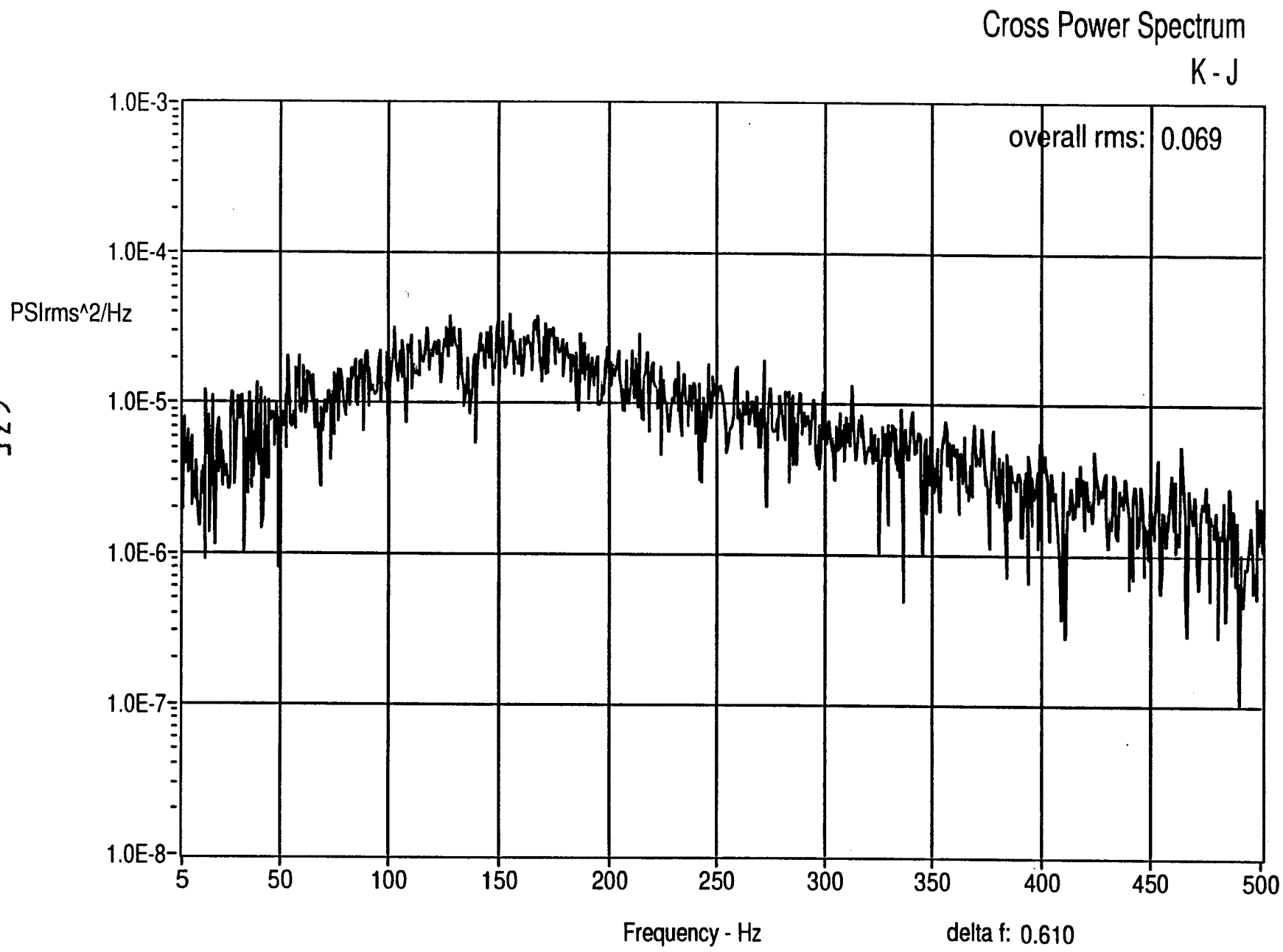
F-15 TPN_3339: alpha=20 beta=0 bp=45



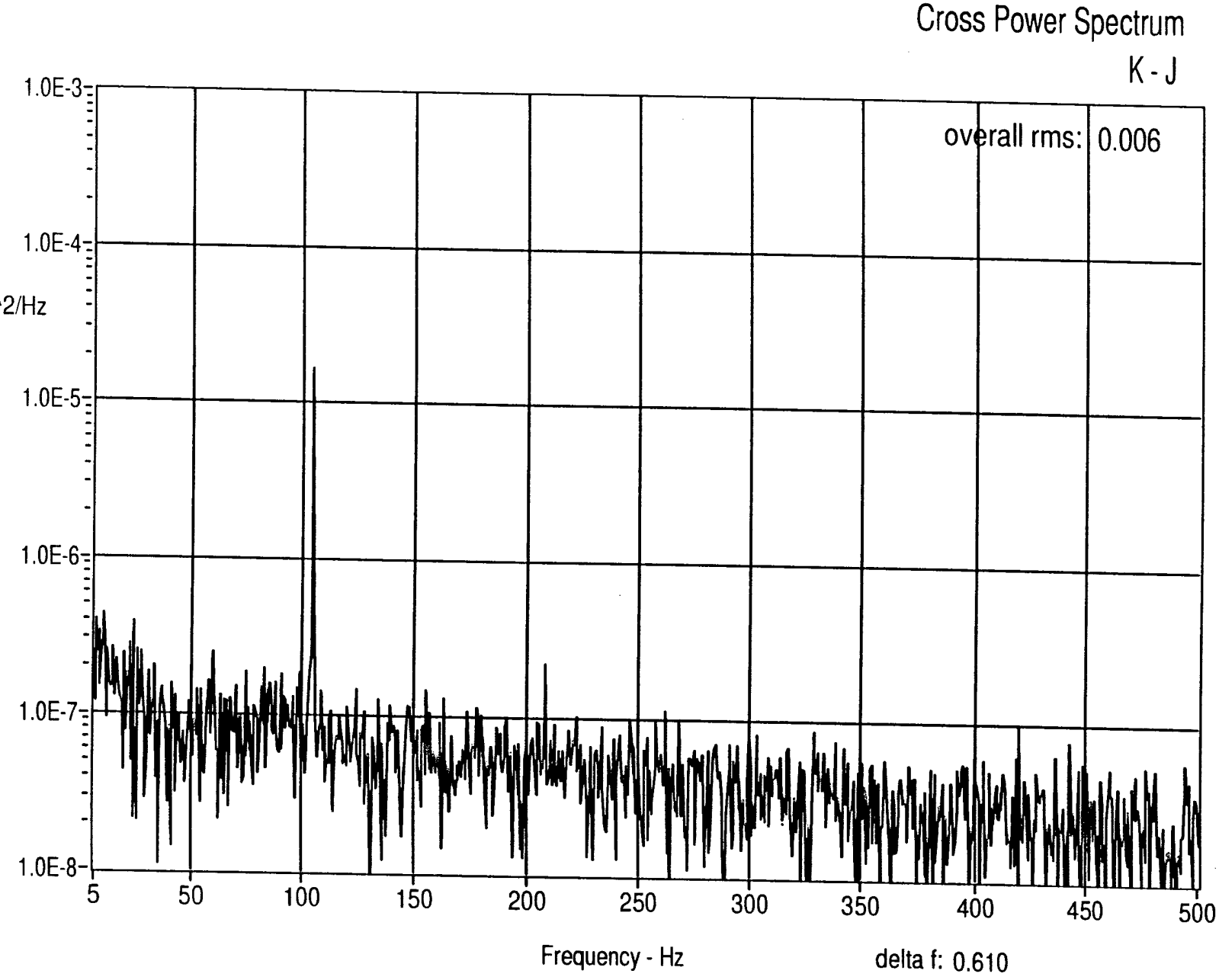
F-15 TPN_3341: alpha=24 beta=0 bp=45



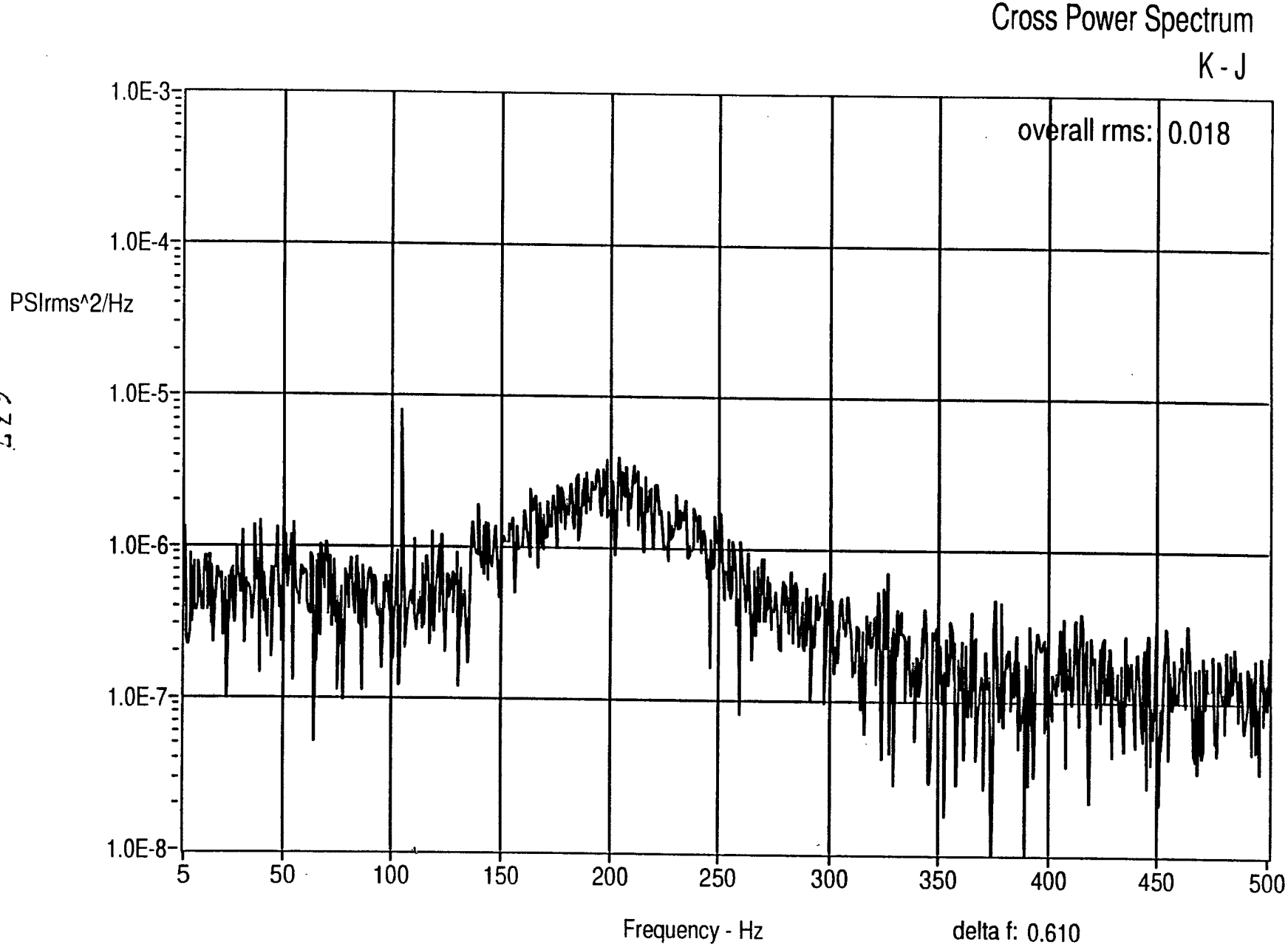
F-15 TPN_3343: alpha=32 beta=0 bp=45



F-15 TPN_3369: alpha=8 beta=-4 bp=45

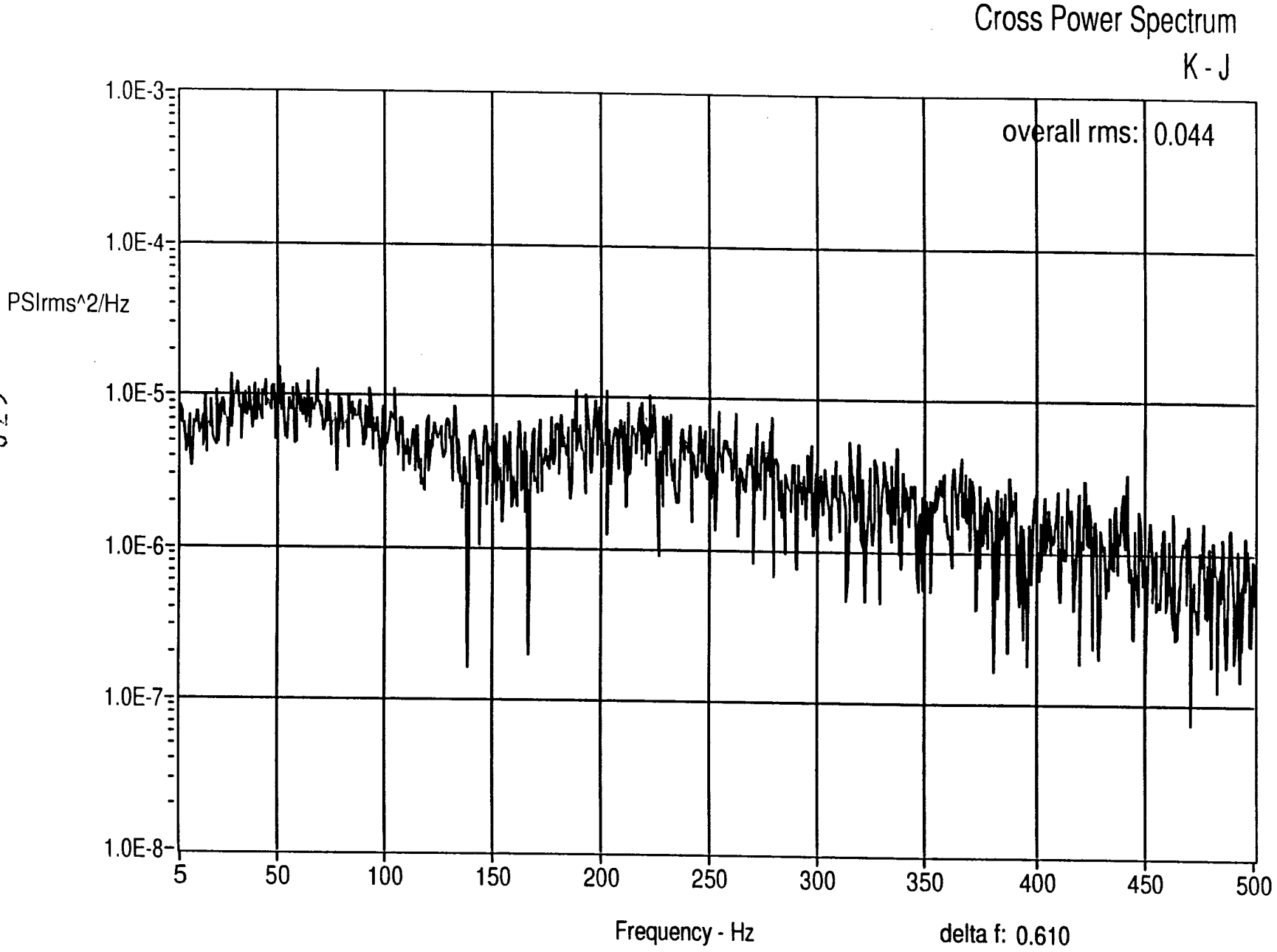


F-15 TPN_3375: alpha=20 beta=-4 bp=45

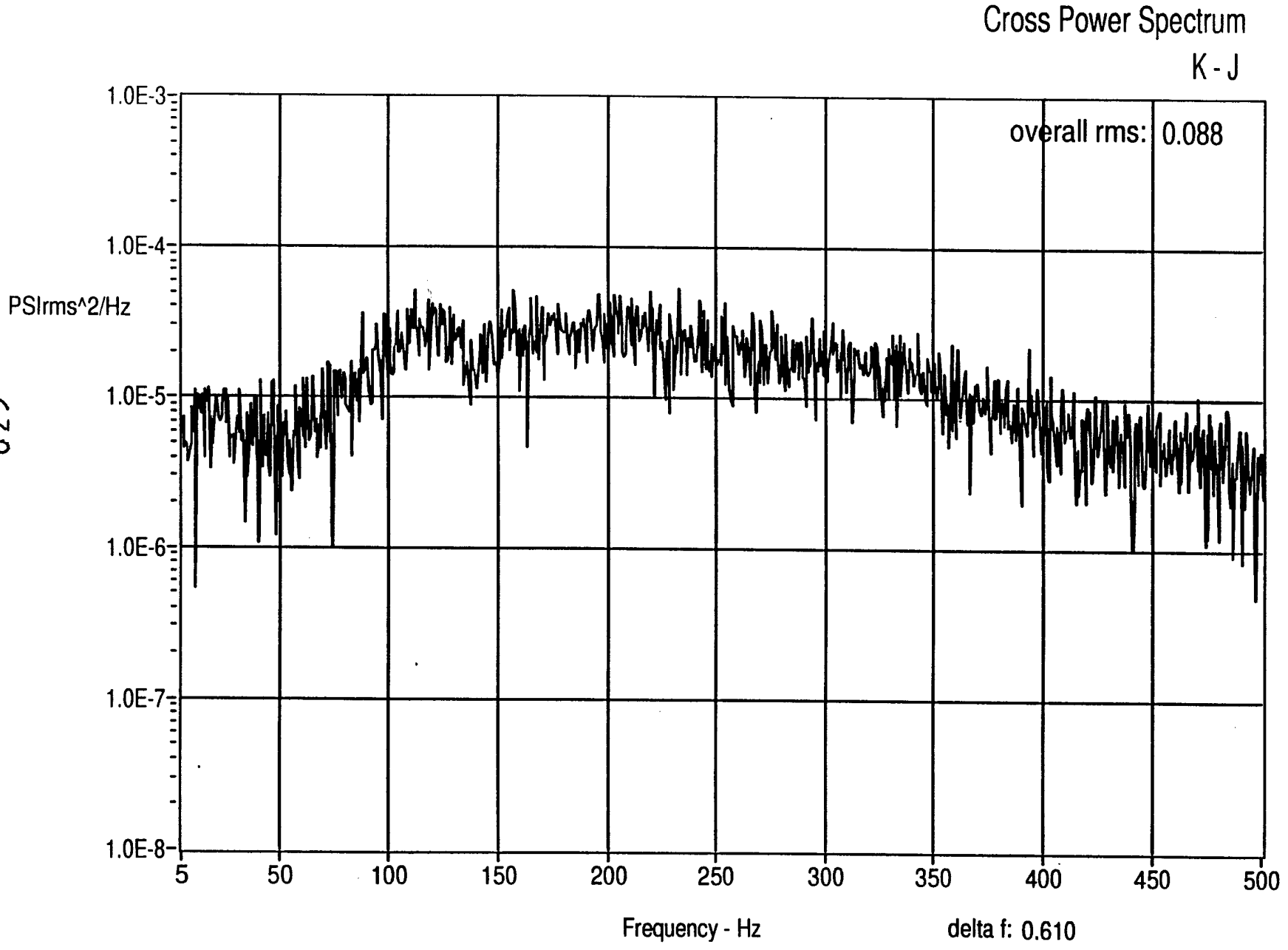


637

F-15 TPN_3377: alpha=24 beta=-4 bp=45

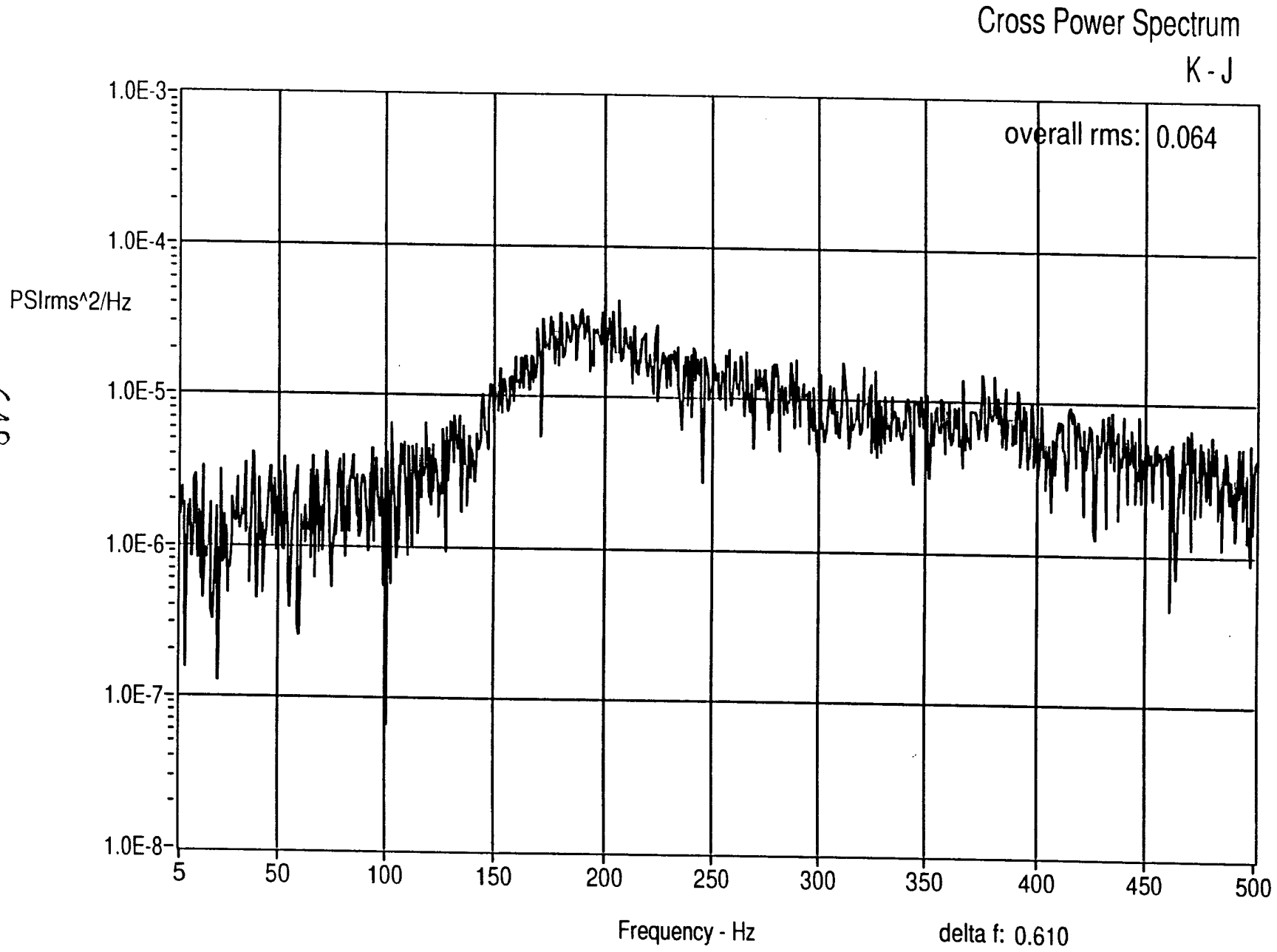


F-15 TPN_3379: alpha=32 beta=-4 bp=45



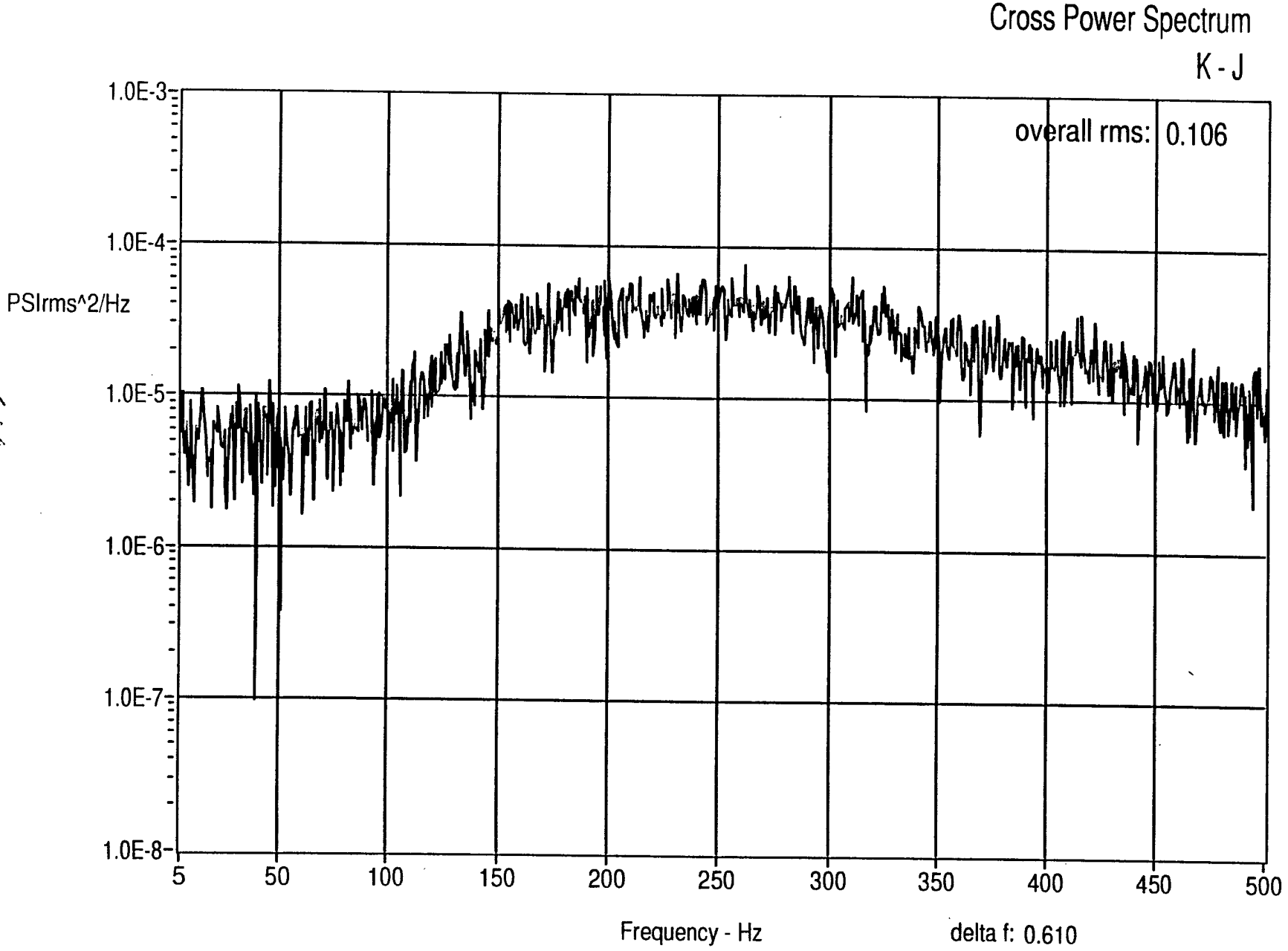
639

F-15 TPN_3046: alpha=20 beta=4 bp=65

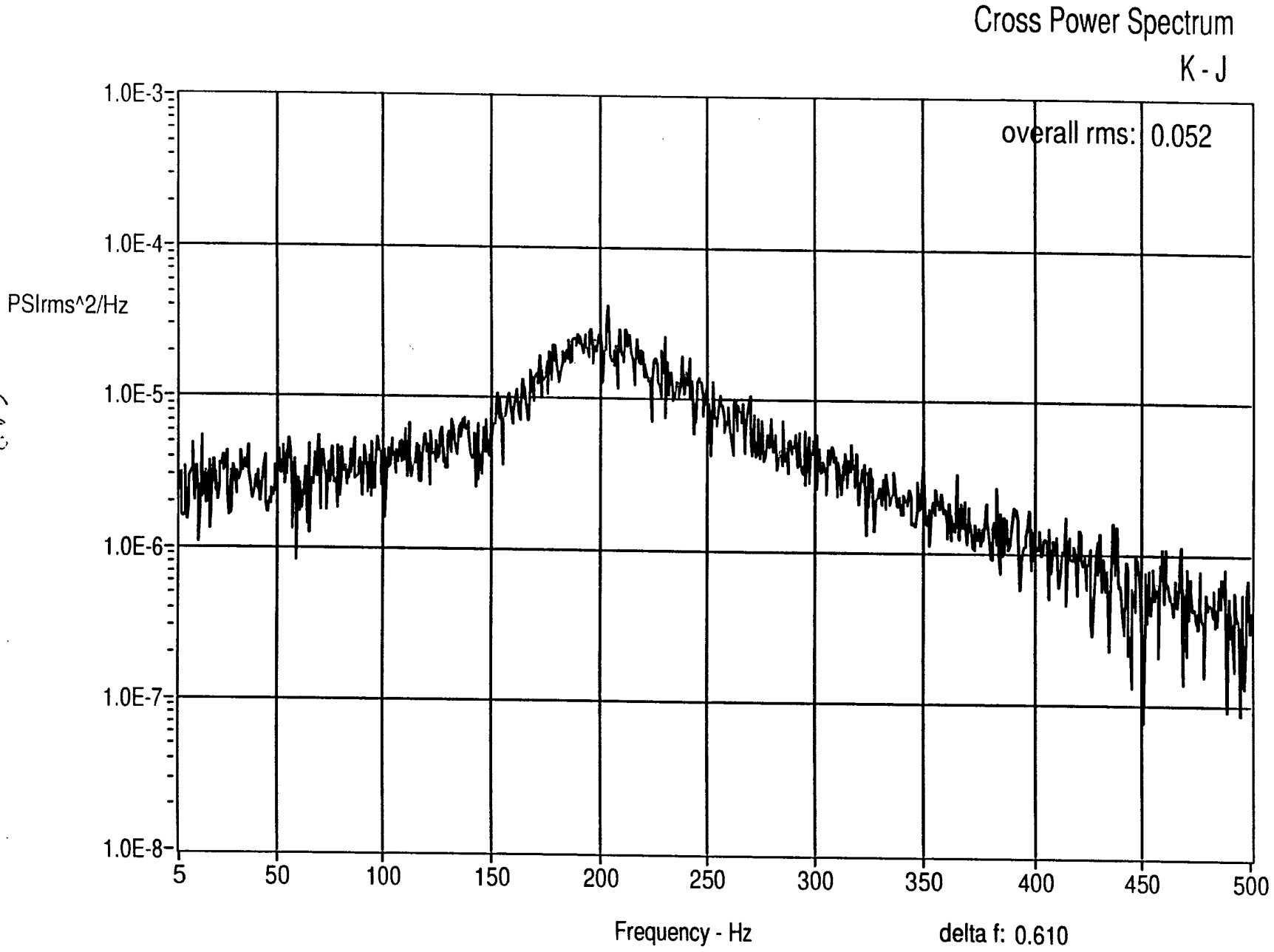


640

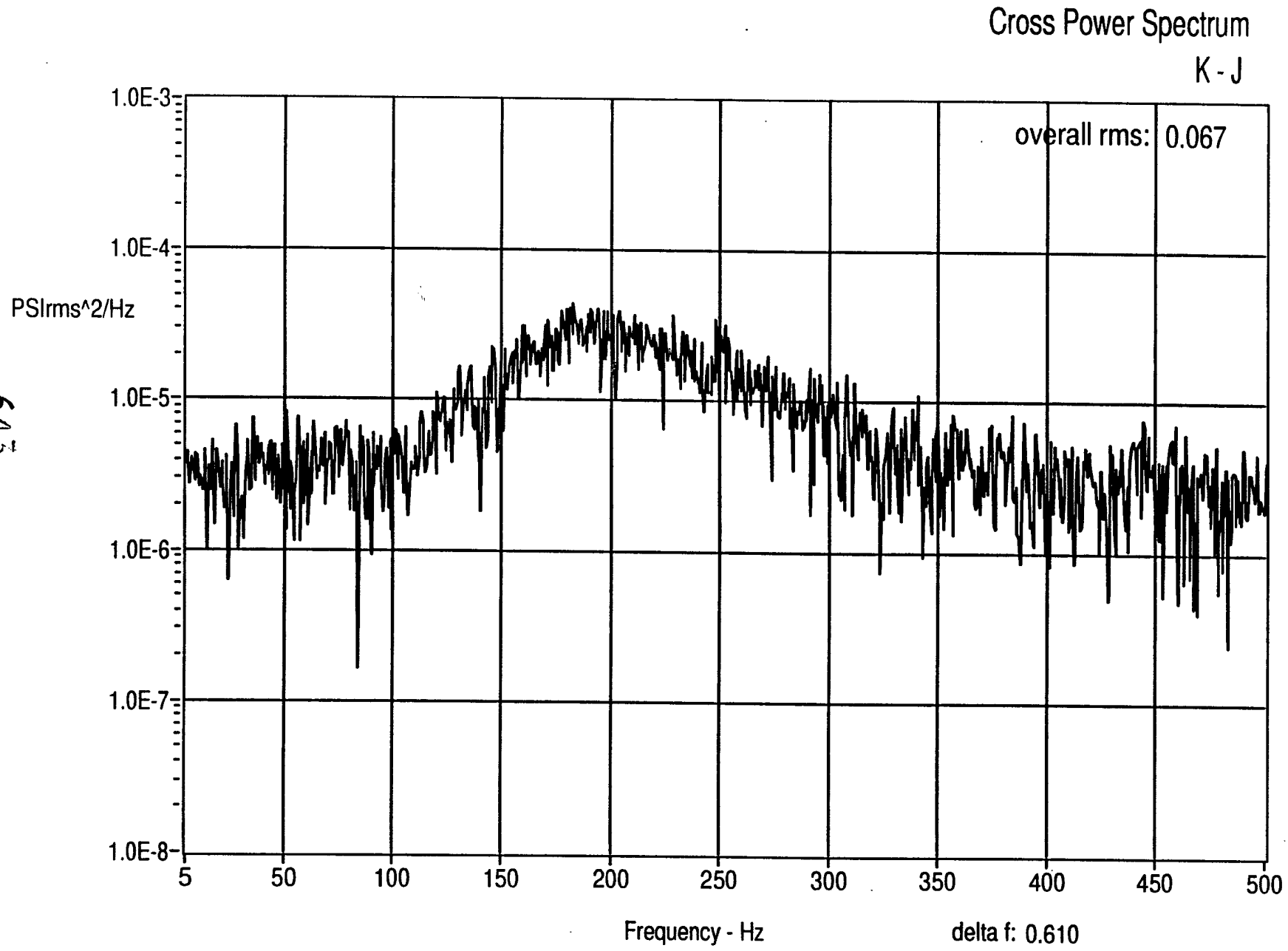
F-15 TPN_3048: alpha=24 beta=4 bp=65



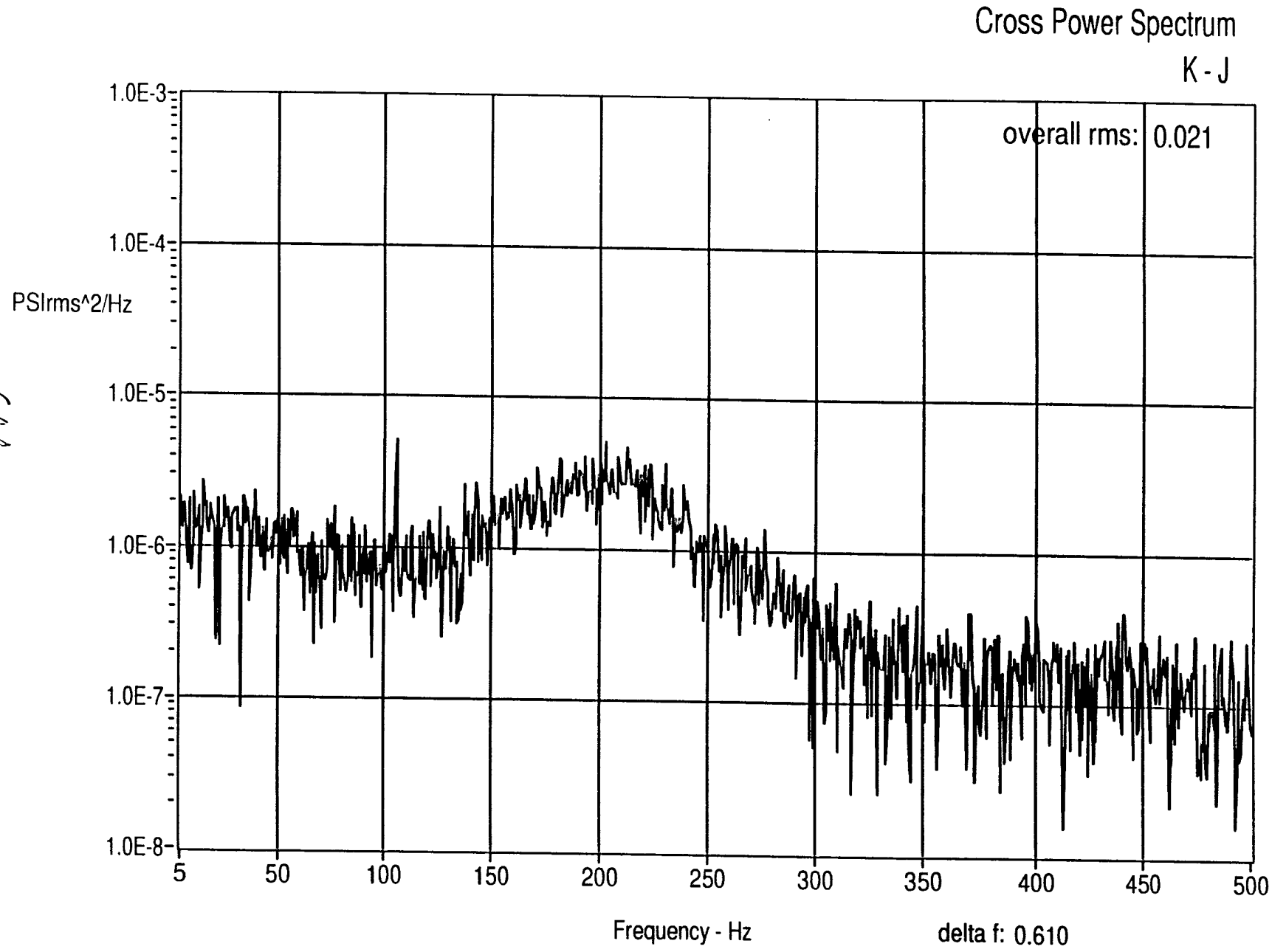
F-15 TPN_3040: alpha=20 beta=0 bp=65



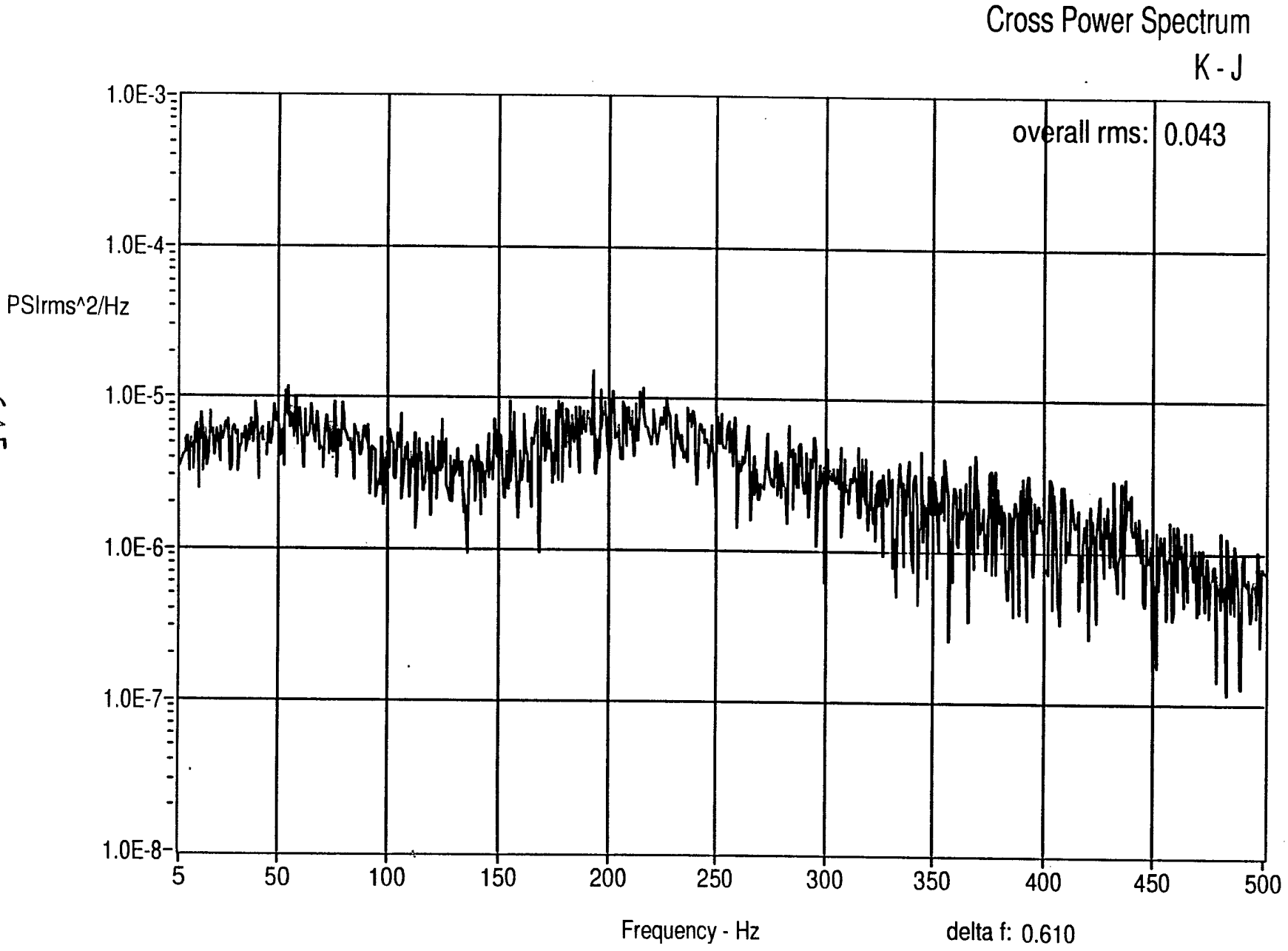
F-15 TPN_3042: alpha=24 beta=0 bp=65



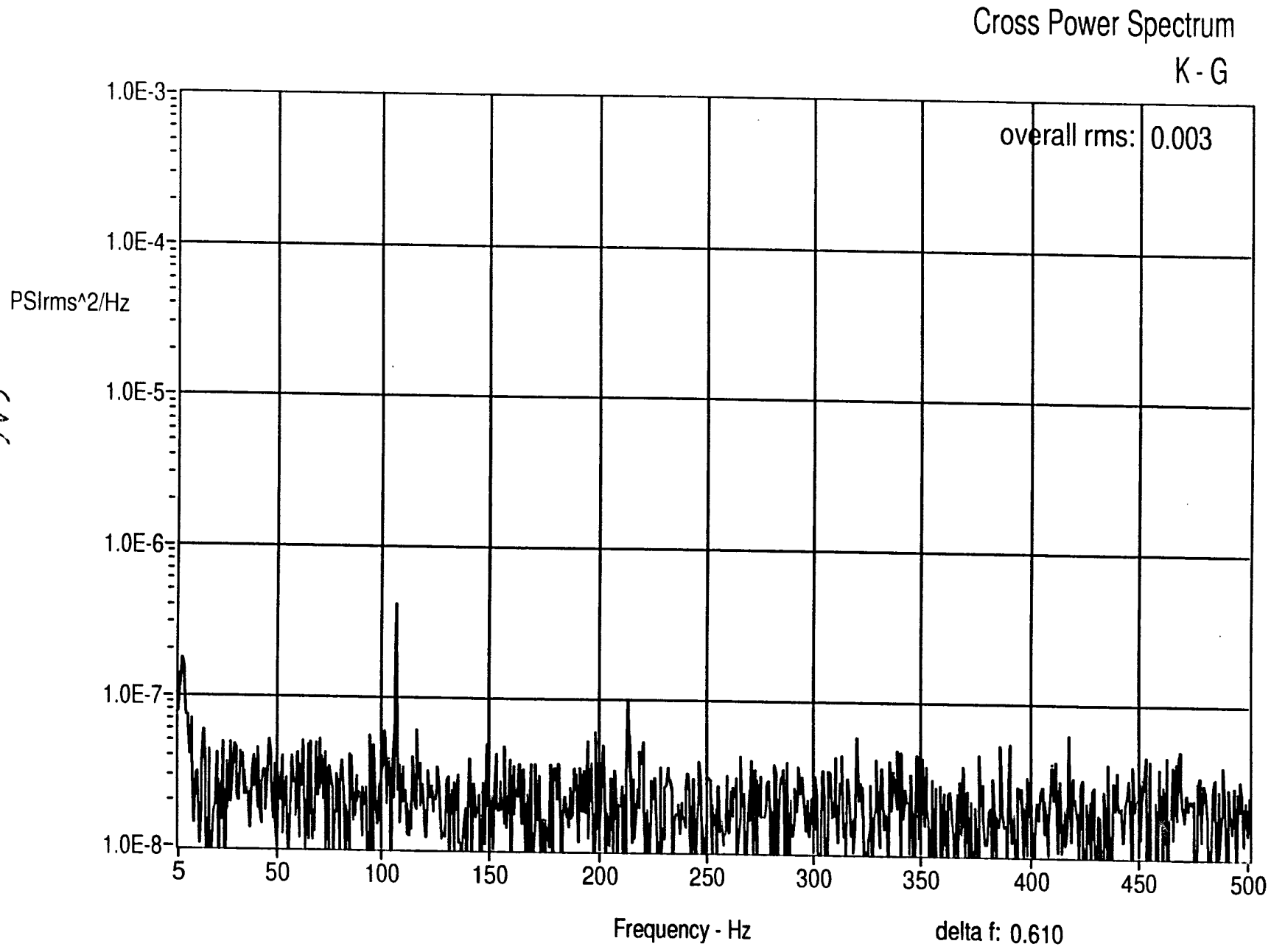
F-15 TPN_3034: alpha=20 beta=-4 bp=6



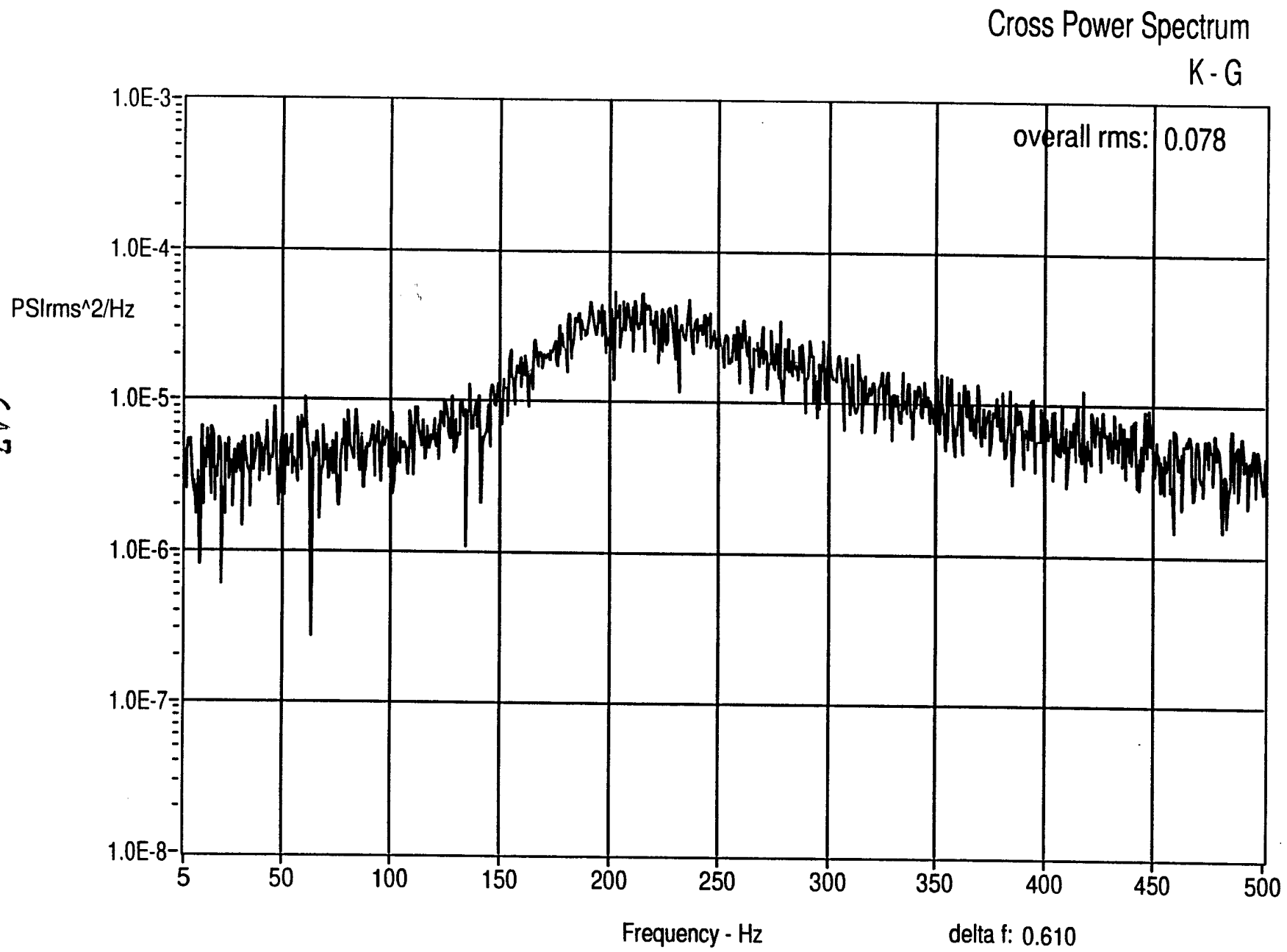
F-15 TPN_3036: alpha=24 beta=-4 bp=65



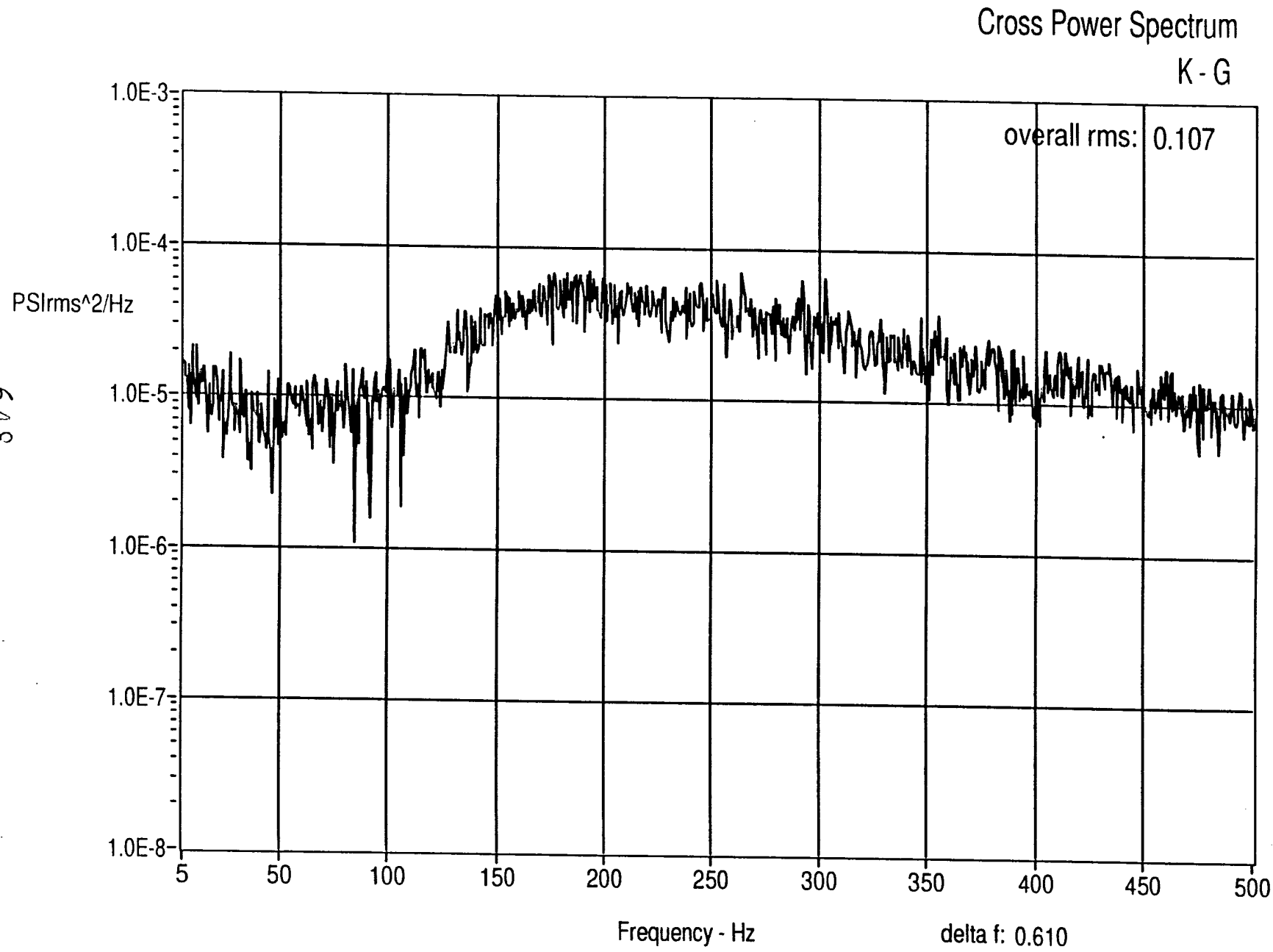
F-15 TPN_2918: alpha=8 beta=4 bp=0



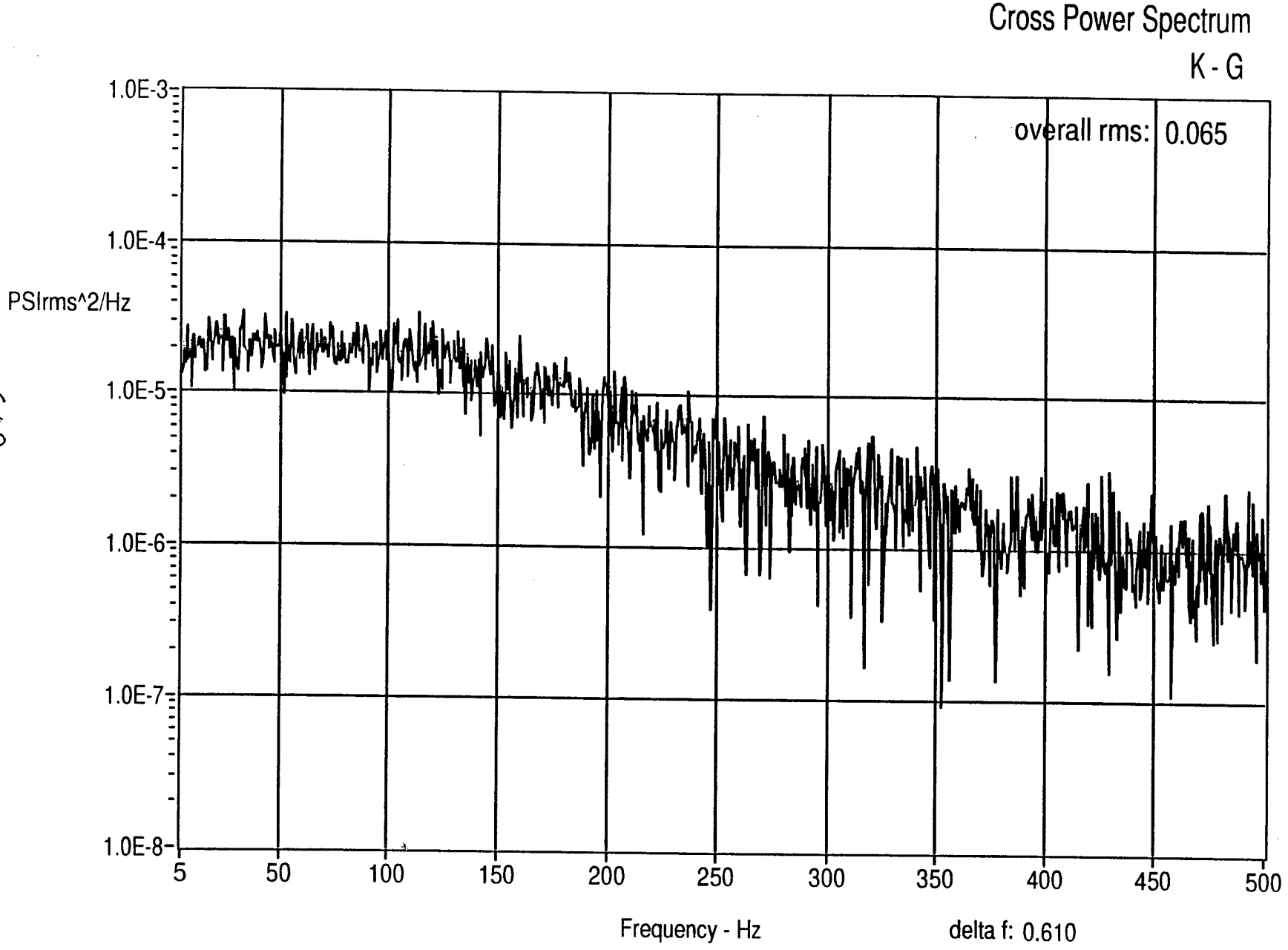
F-15 TPN_2924: alpha=20 beta=4 bp=0



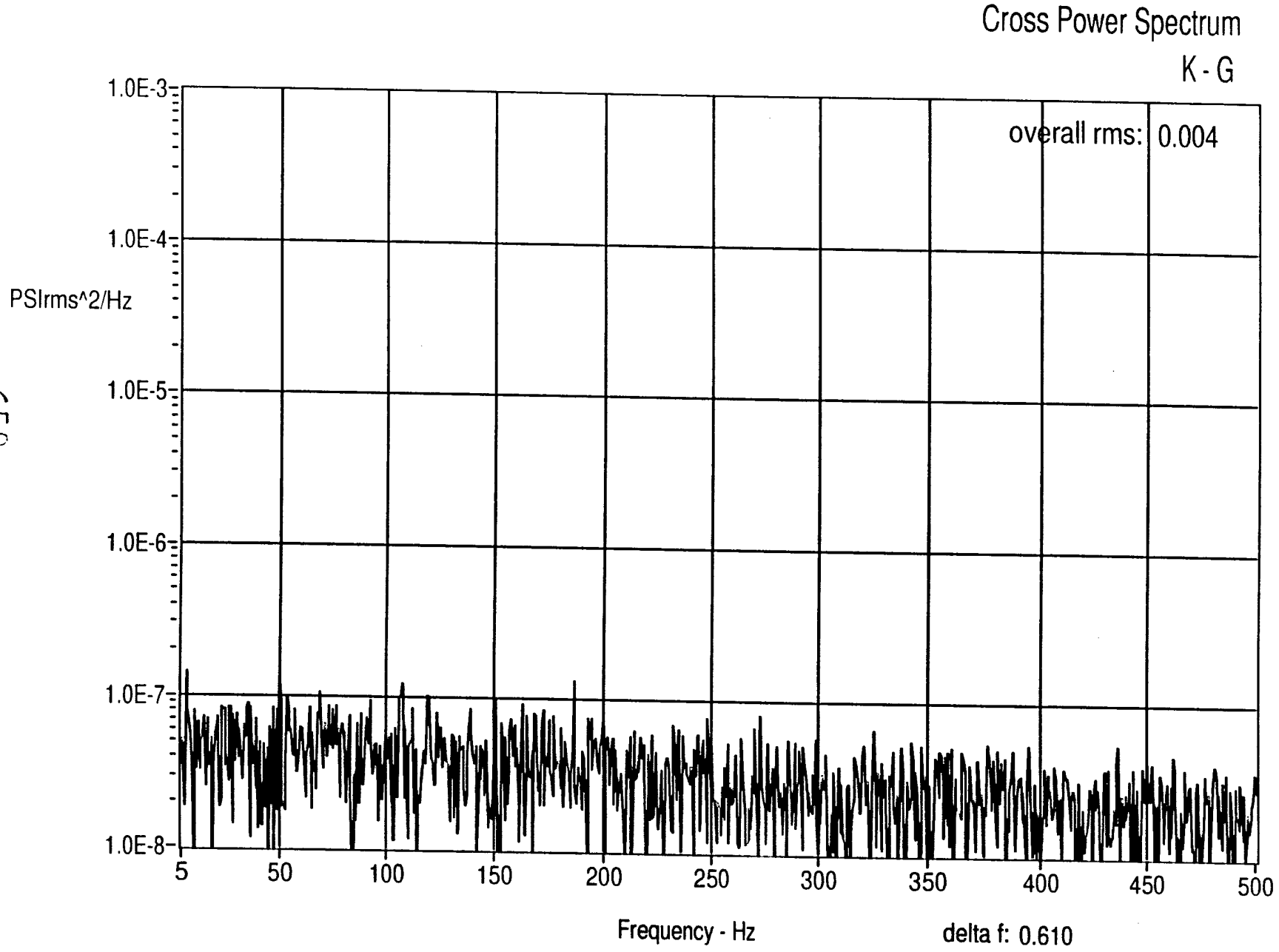
F-15 TPN_2926: alpha=24 beta=4 bp=0



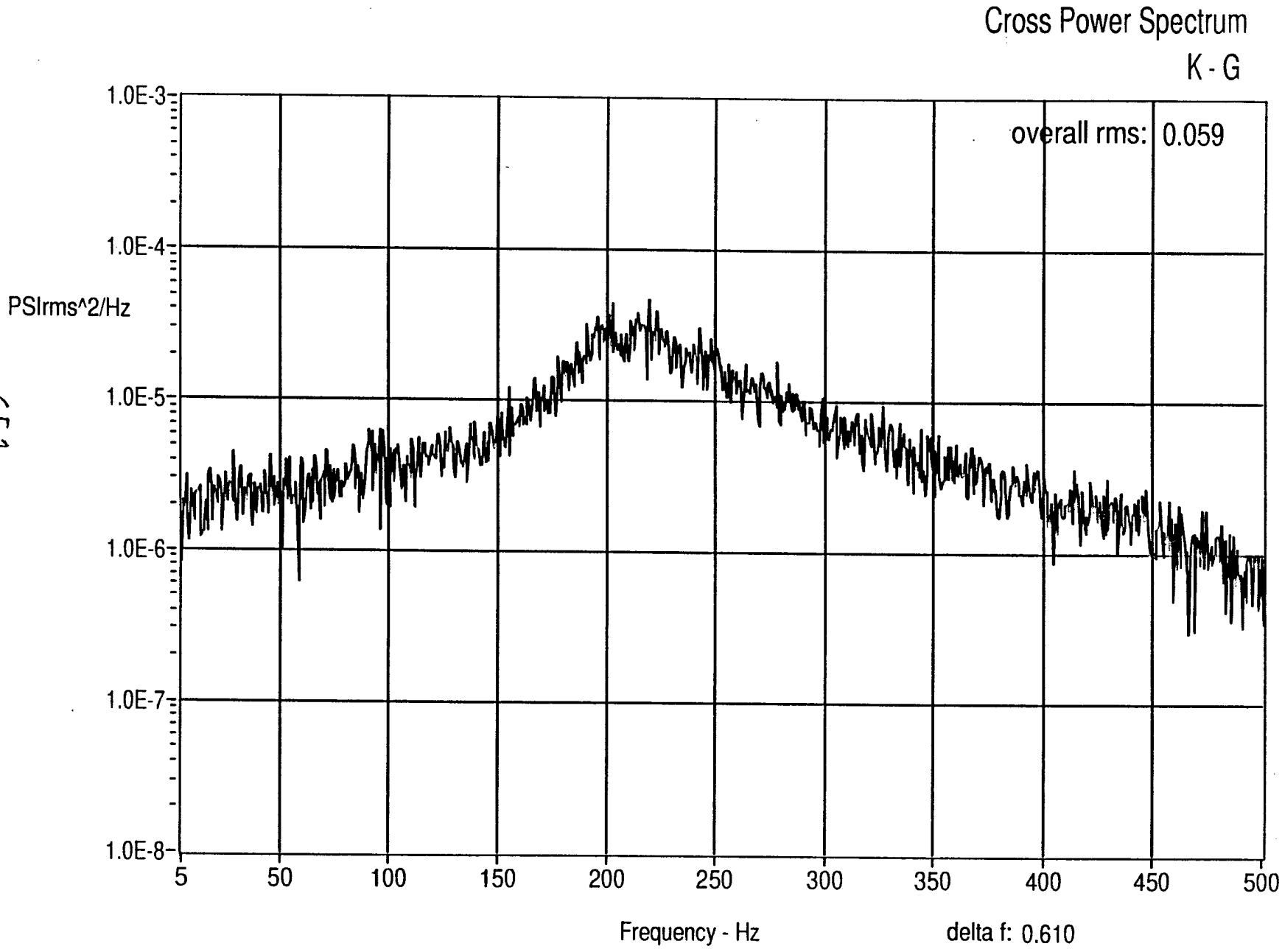
F-15 TPN_2928: alpha=32 beta=4 bp=0



F-15 TPN_2844: alpha=8 beta=0 bp=0

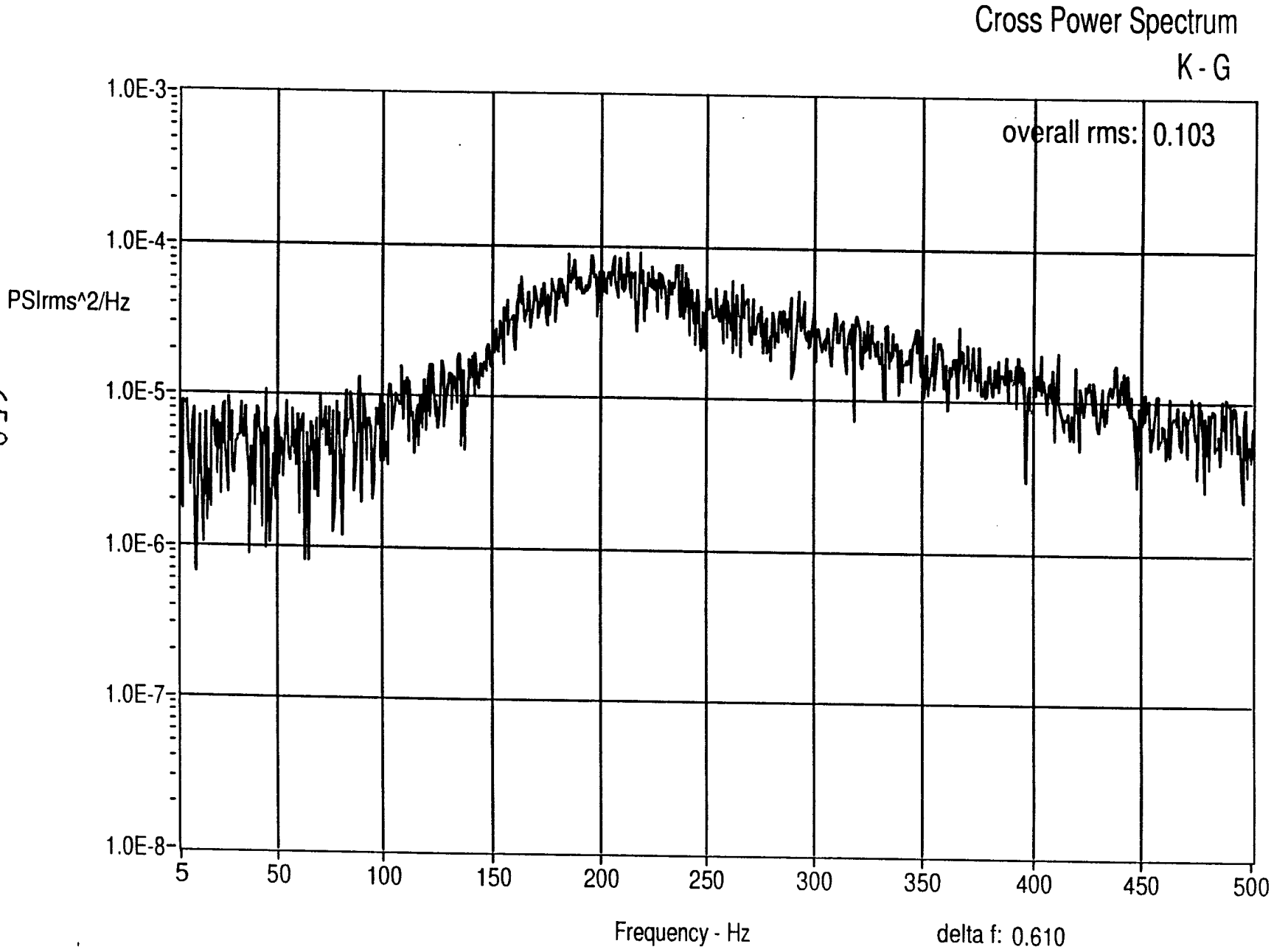


F-15 TPN_2850: alpha=20 beta=0 bp=0



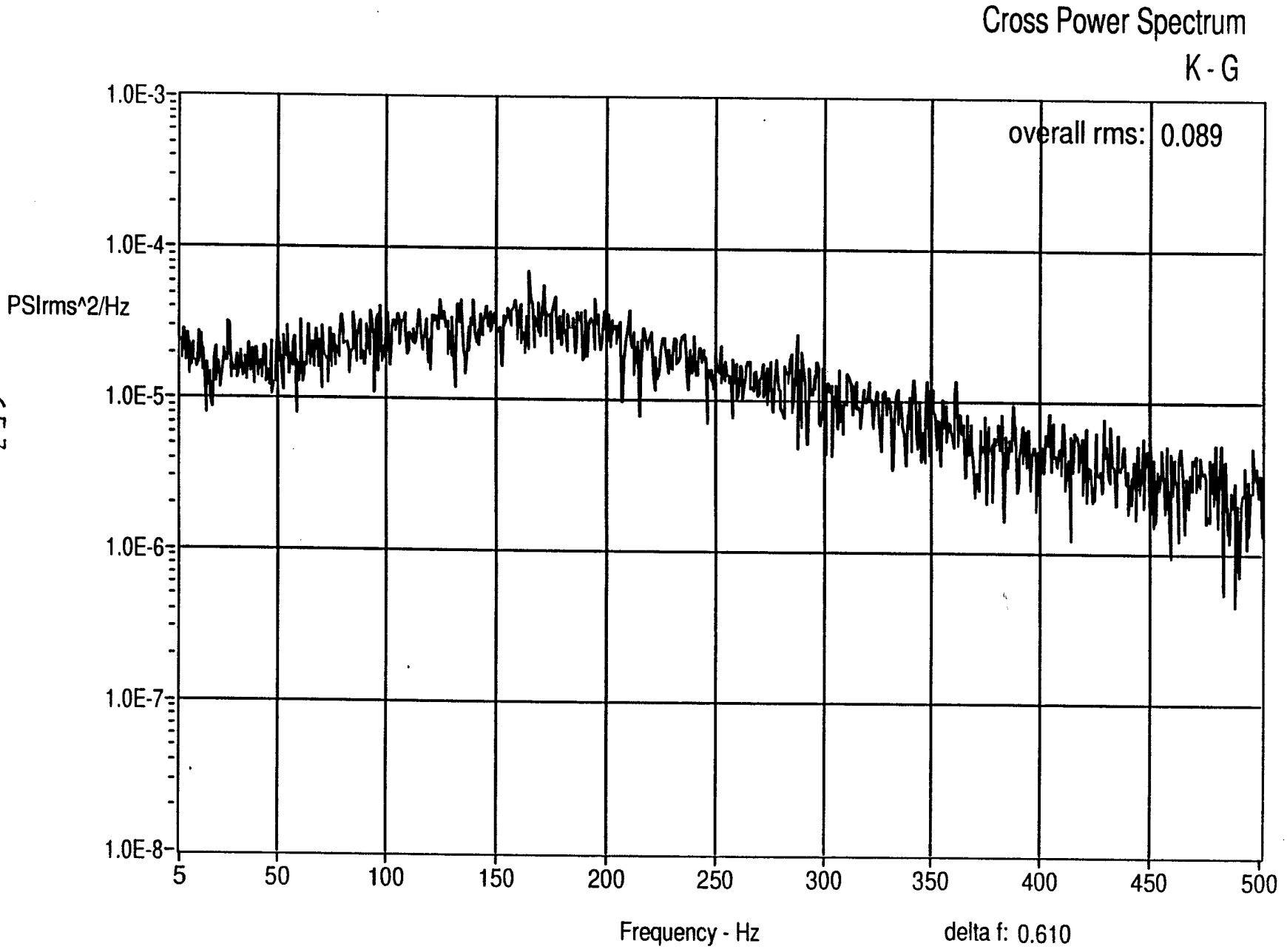
651

F-15 TPN_2852: alpha=24 beta=0 bp=0

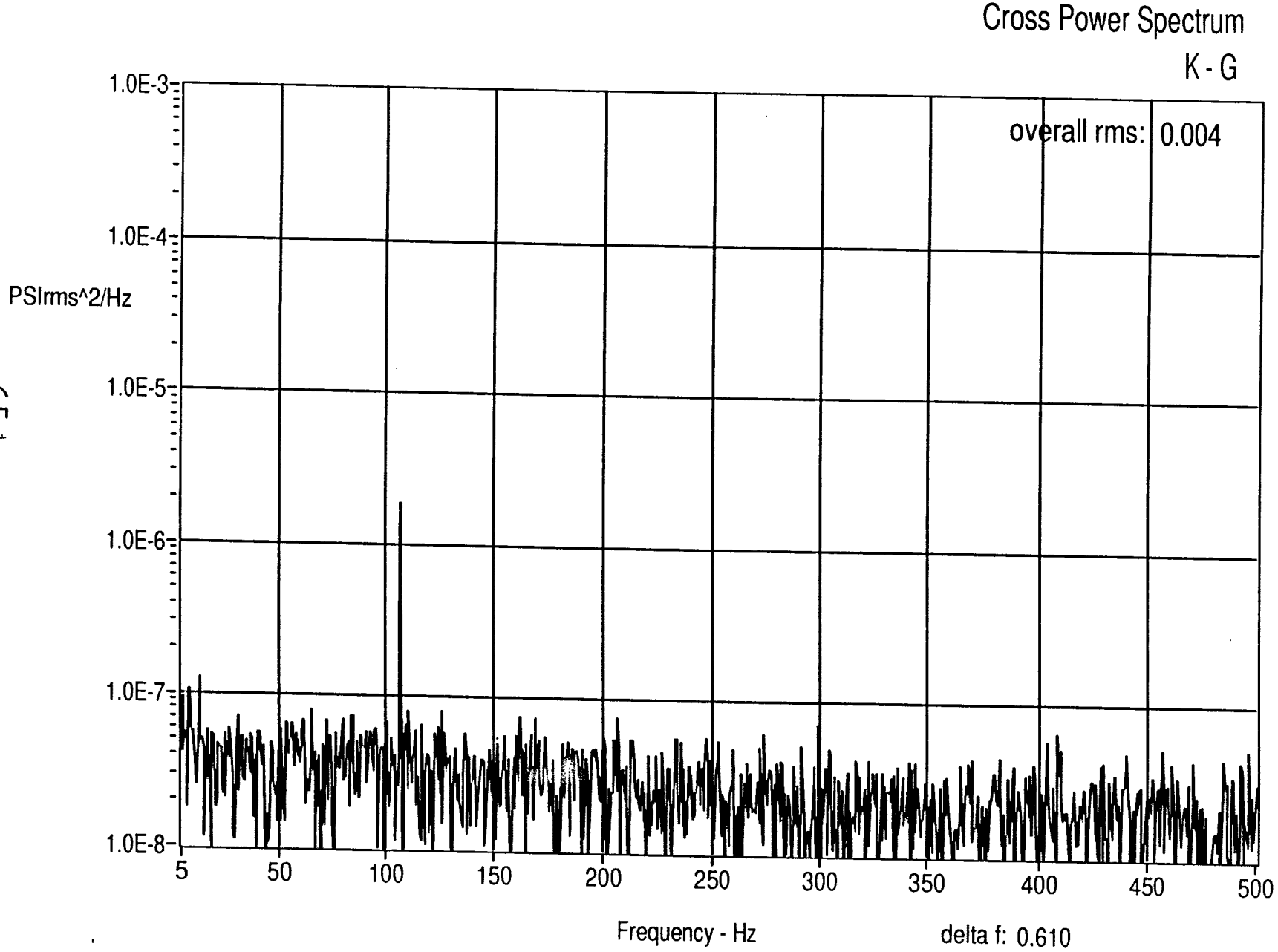


652

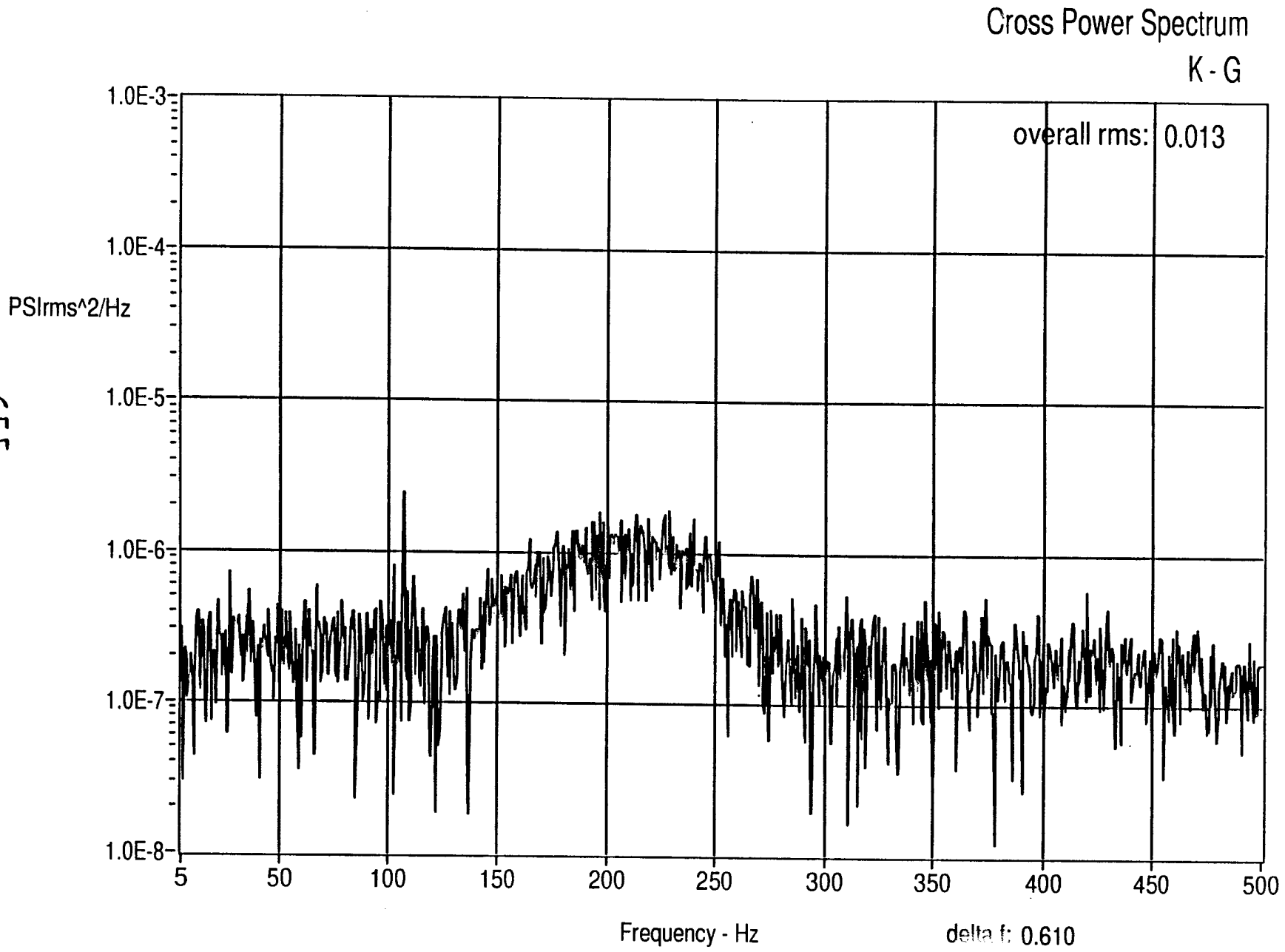
F-15 TPN_2854: alpha=32 beta=0 bp=0



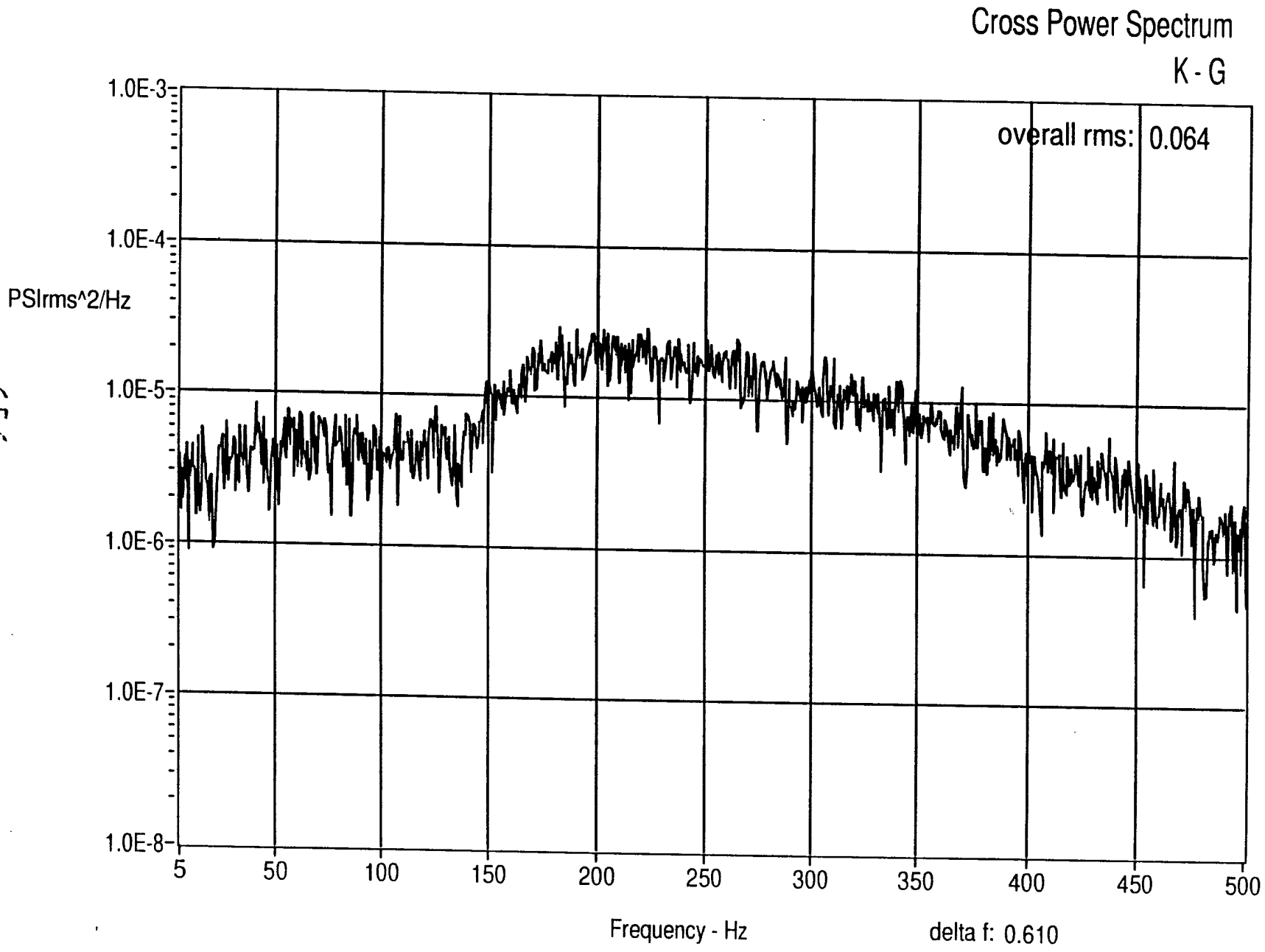
F-15 TPN_2864: alpha=8 beta=-4 bp=0



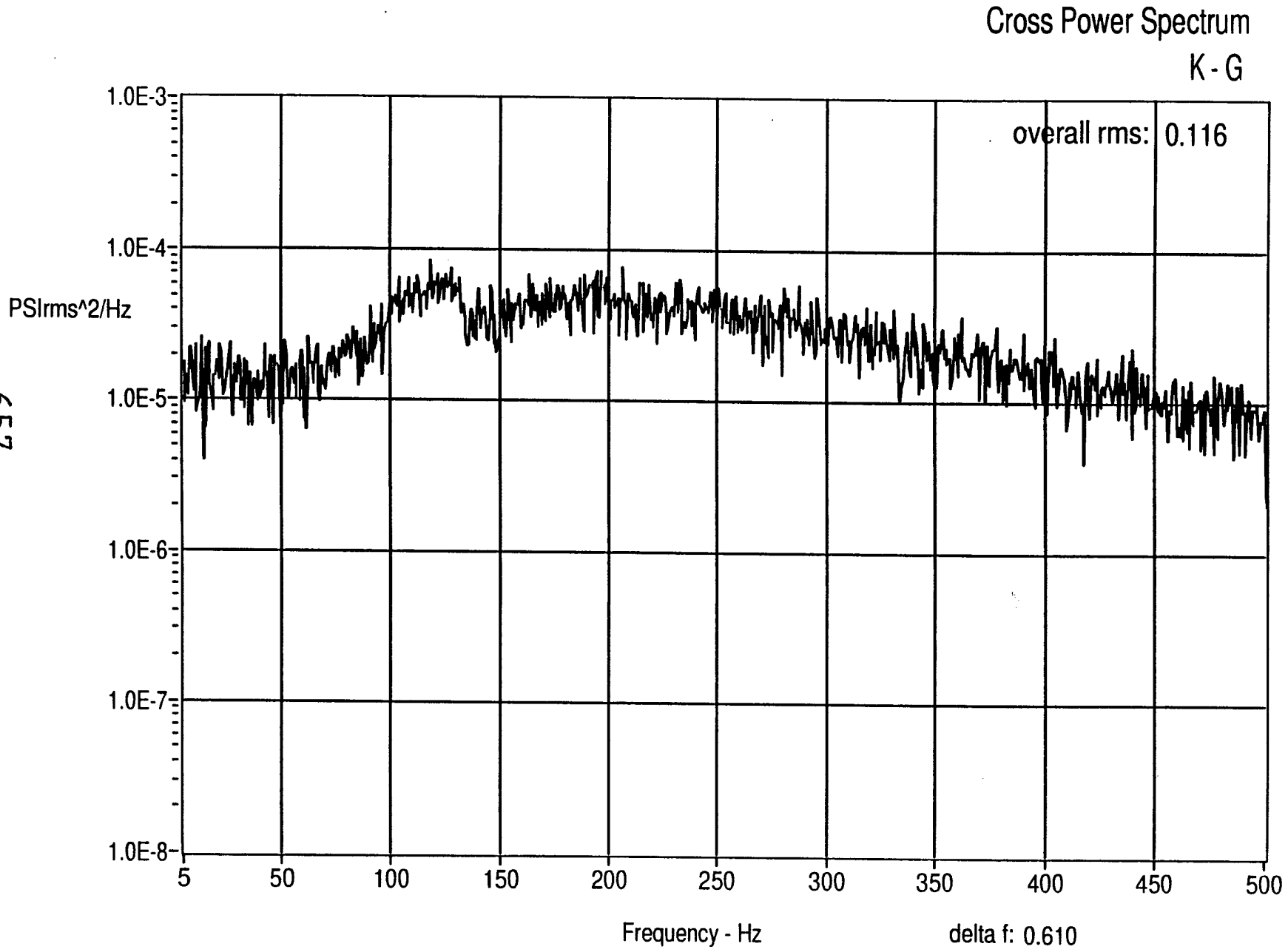
F-15 TPN_2870: alpha=20 beta=-4 bp=0



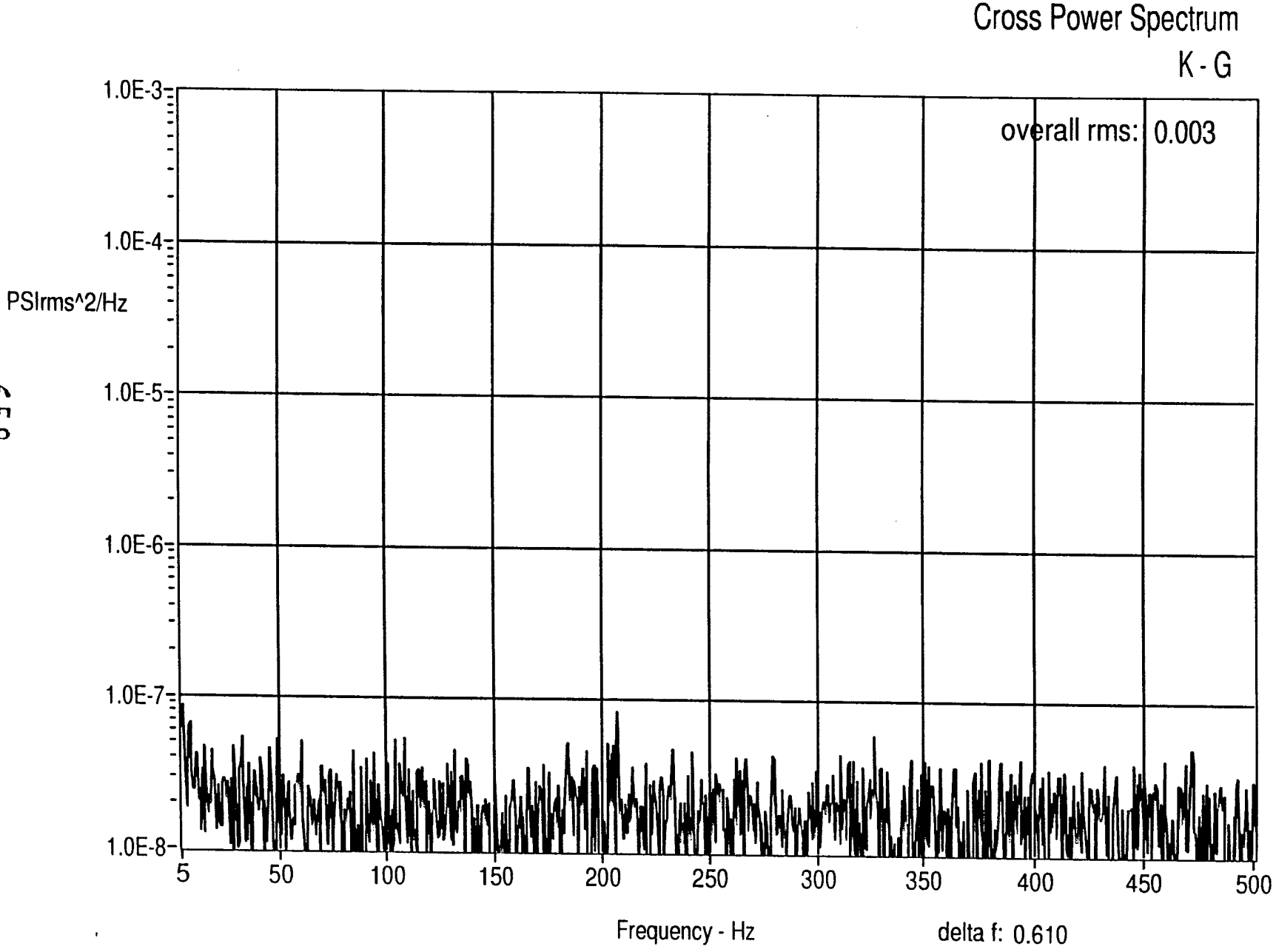
F-15 TPN_2872: alpha=24 beta=-4 bp=0



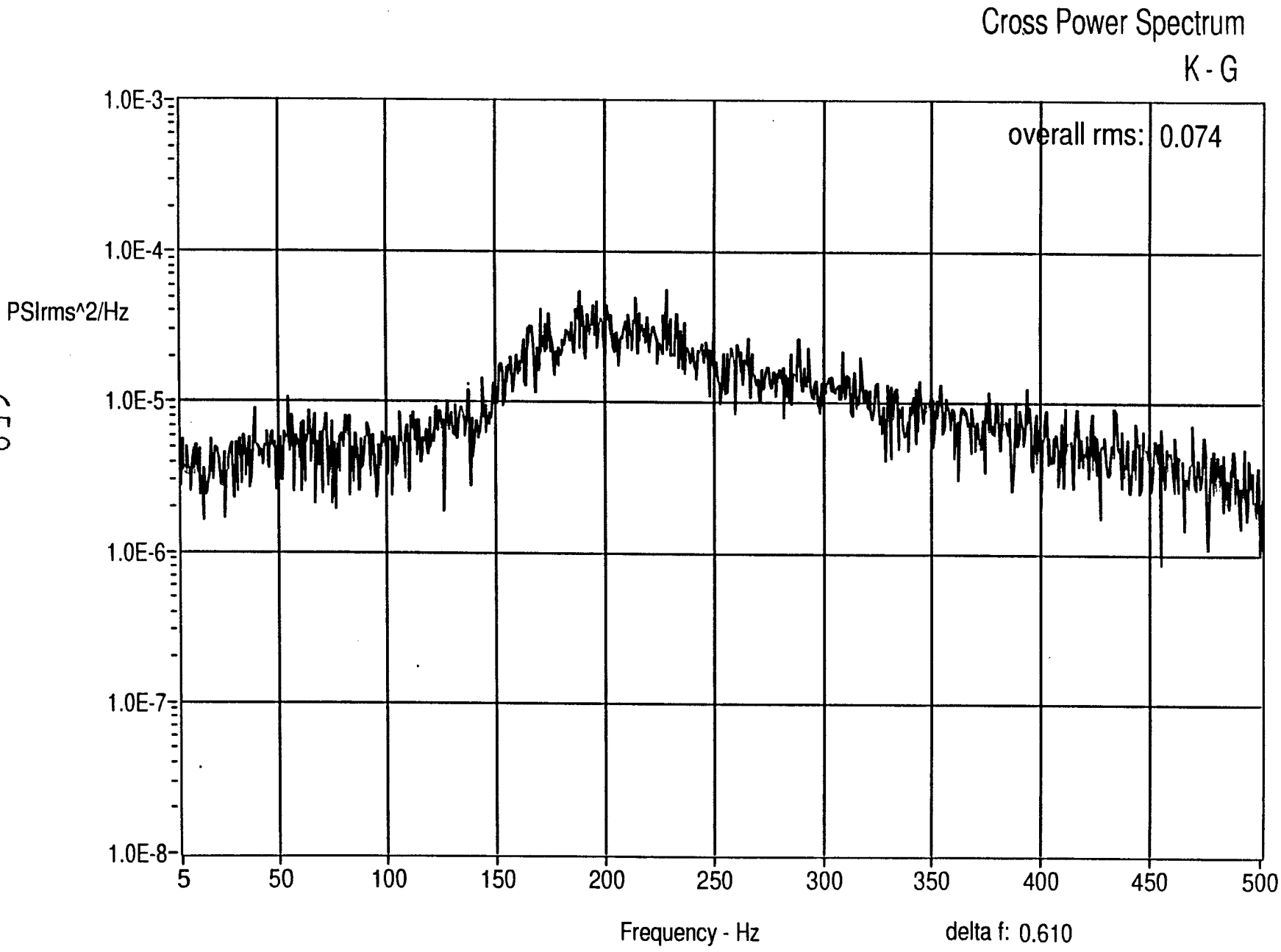
F-15 TPN_2874: alpha=32 beta=-4 bp=0



F-15 TPN_3351: alpha=8 beta=4 bp=45

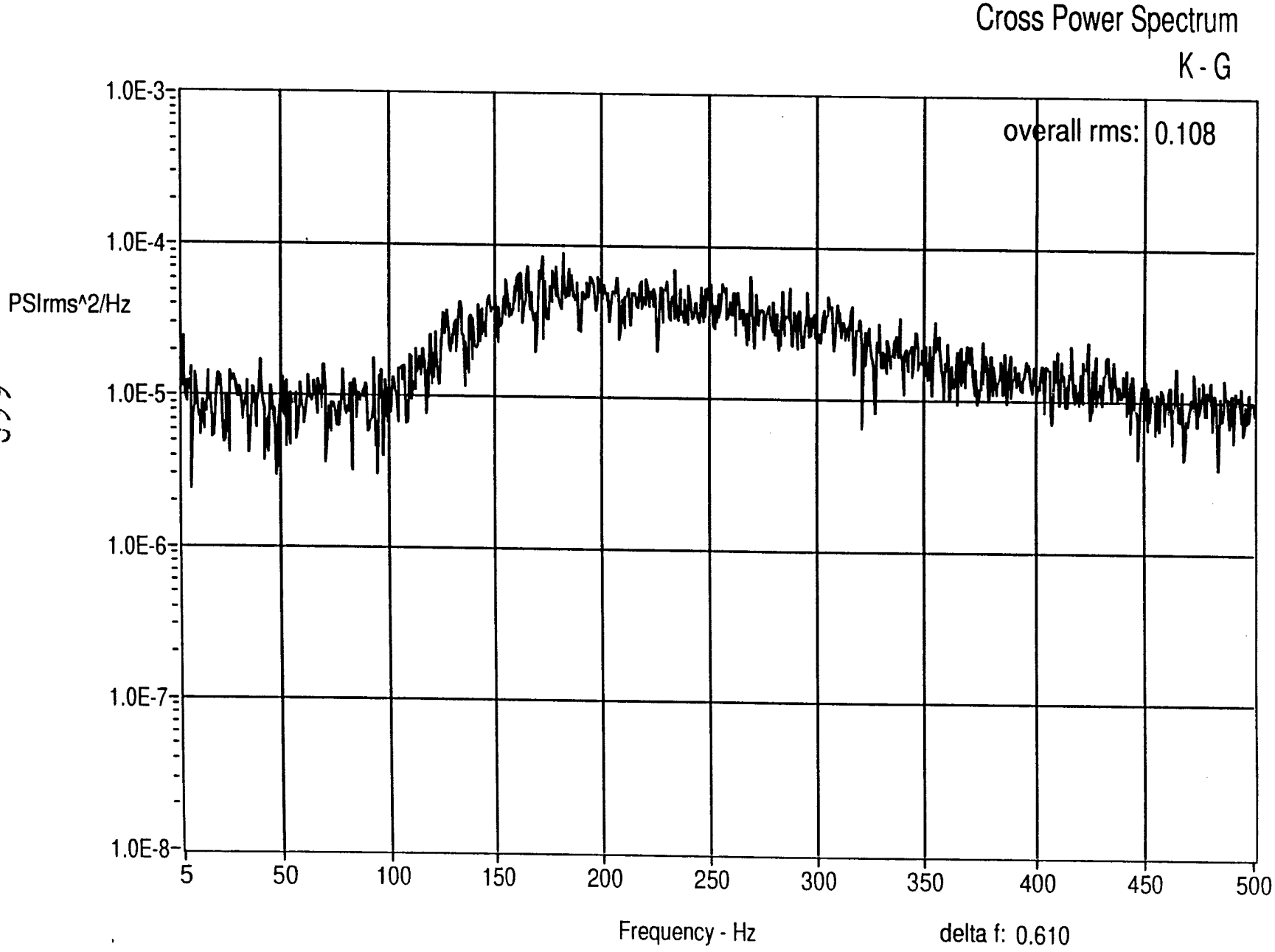


F-15 TPN_3357: alpha=20 beta=4 bp=45



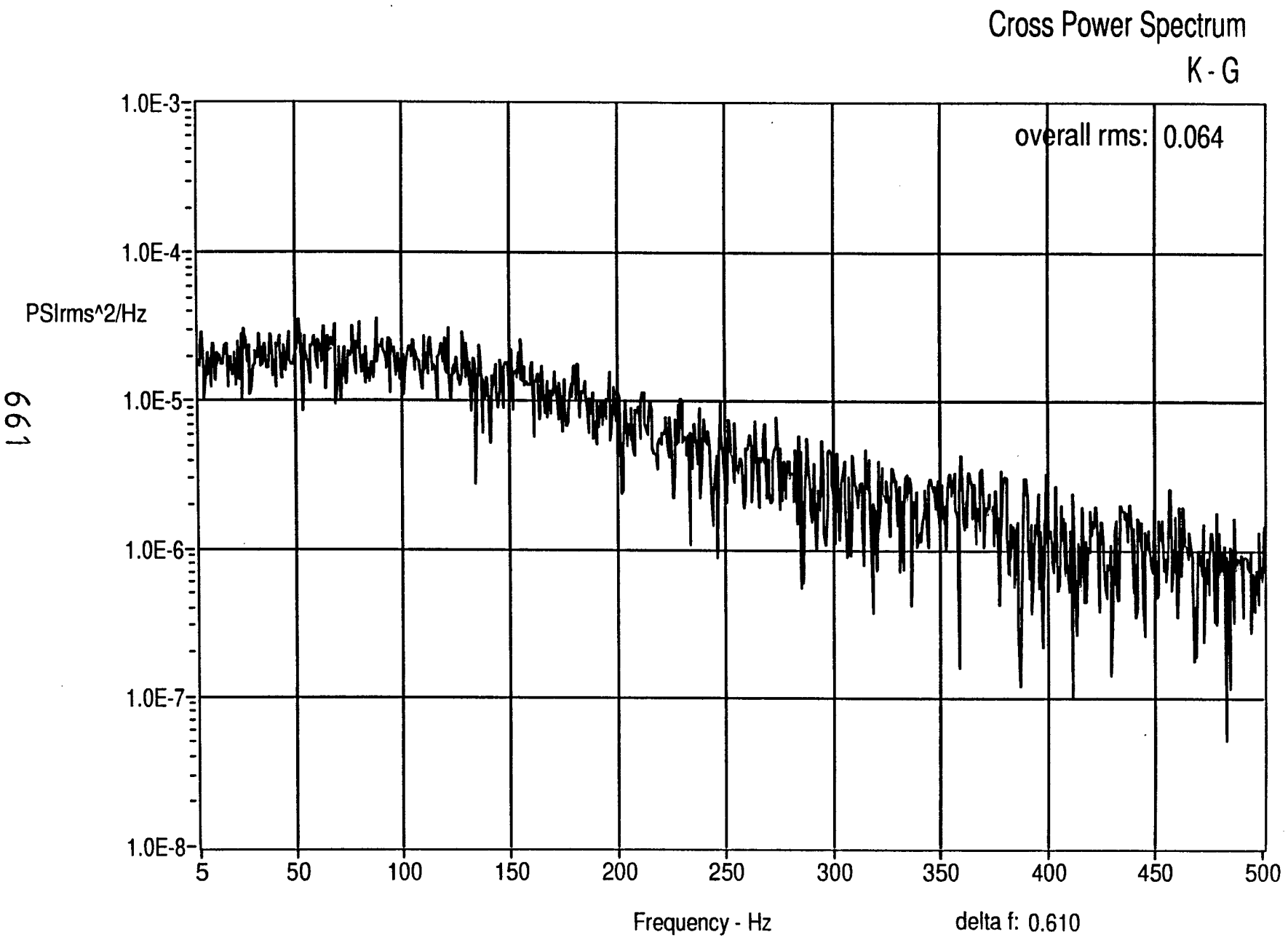
659

F-15 TPN_3359: alpha=24 beta=4 bp=45

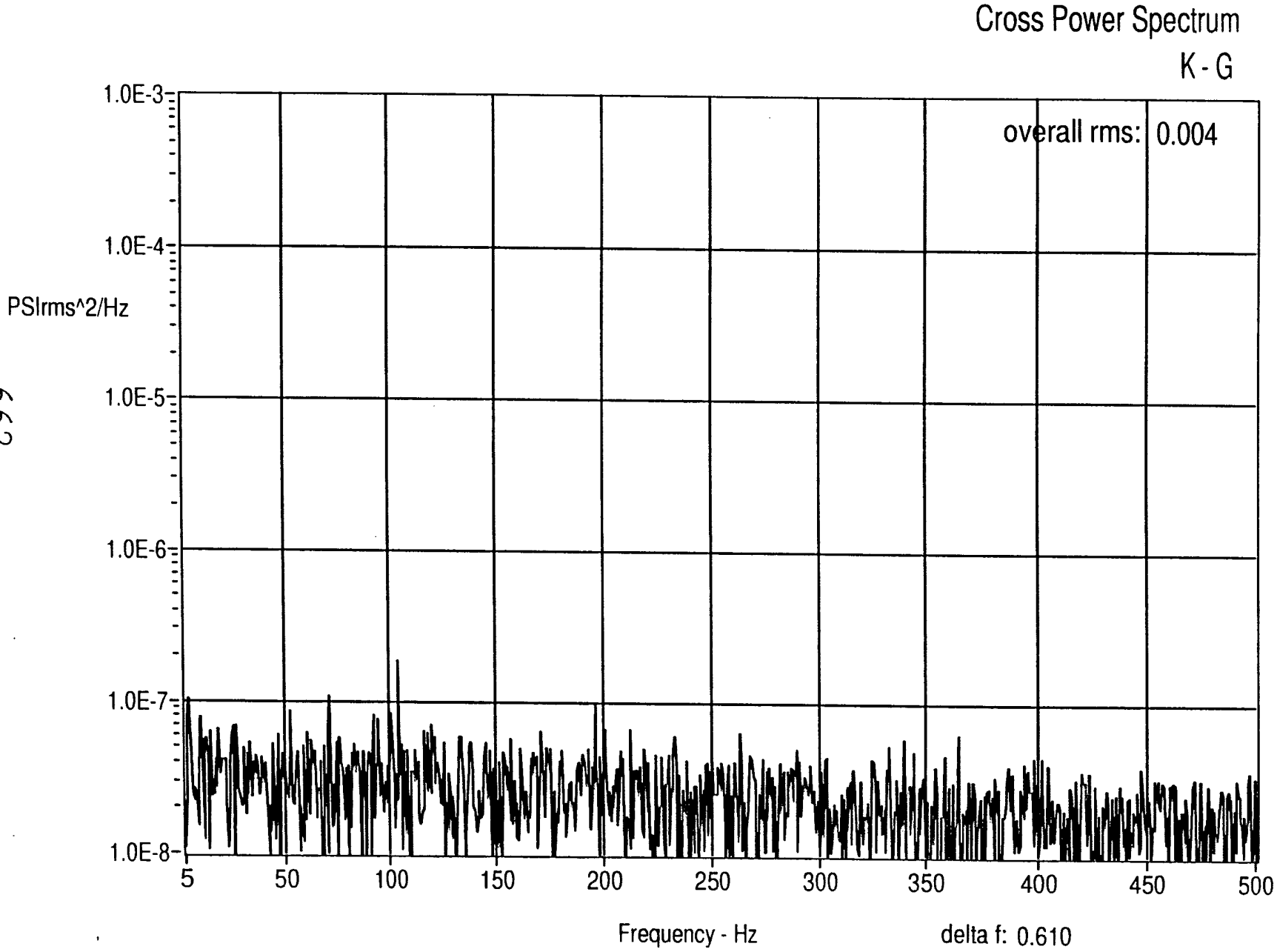


660

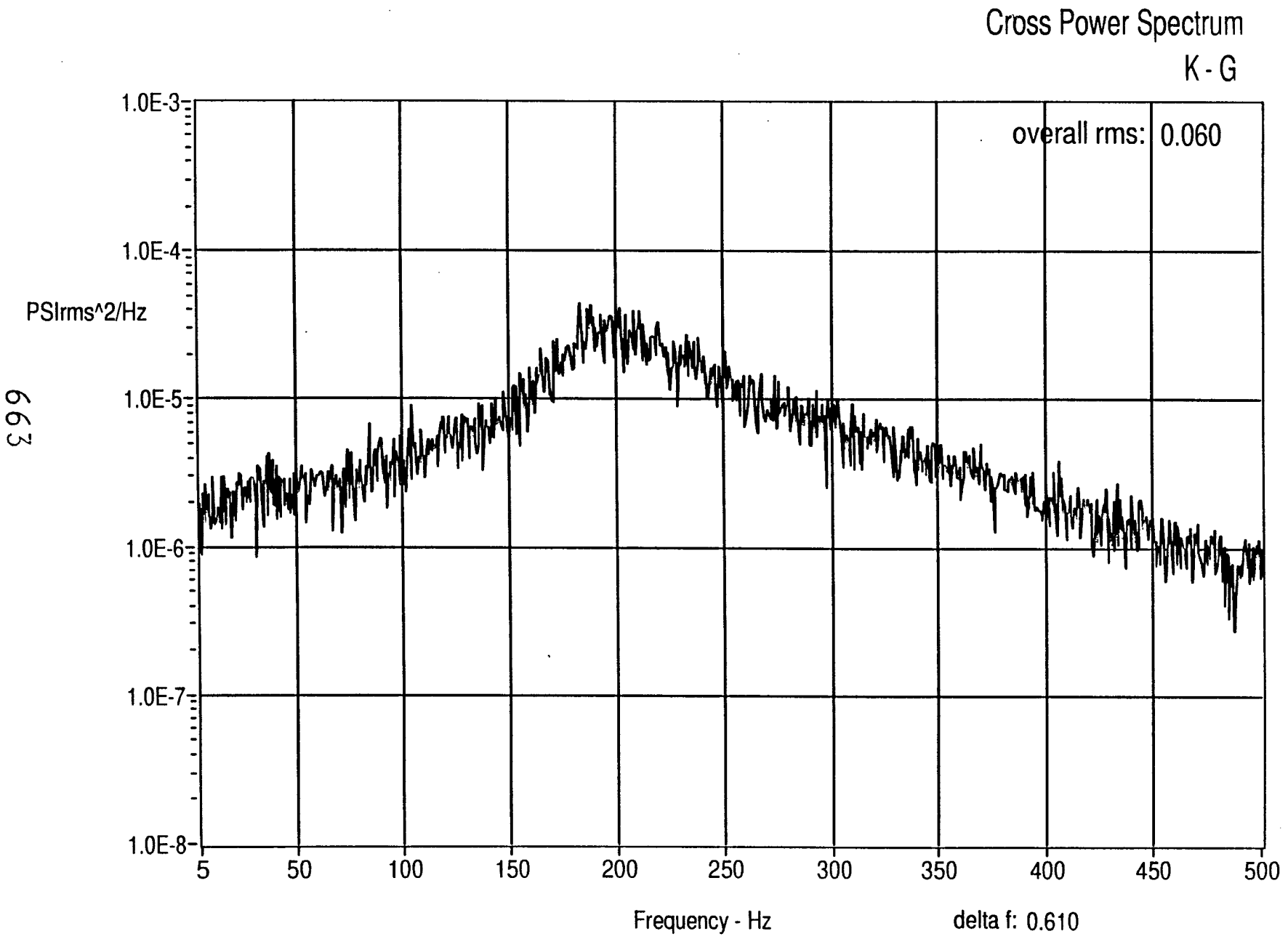
F-15 TPN_3361: alpha=32 beta=4 bp=45



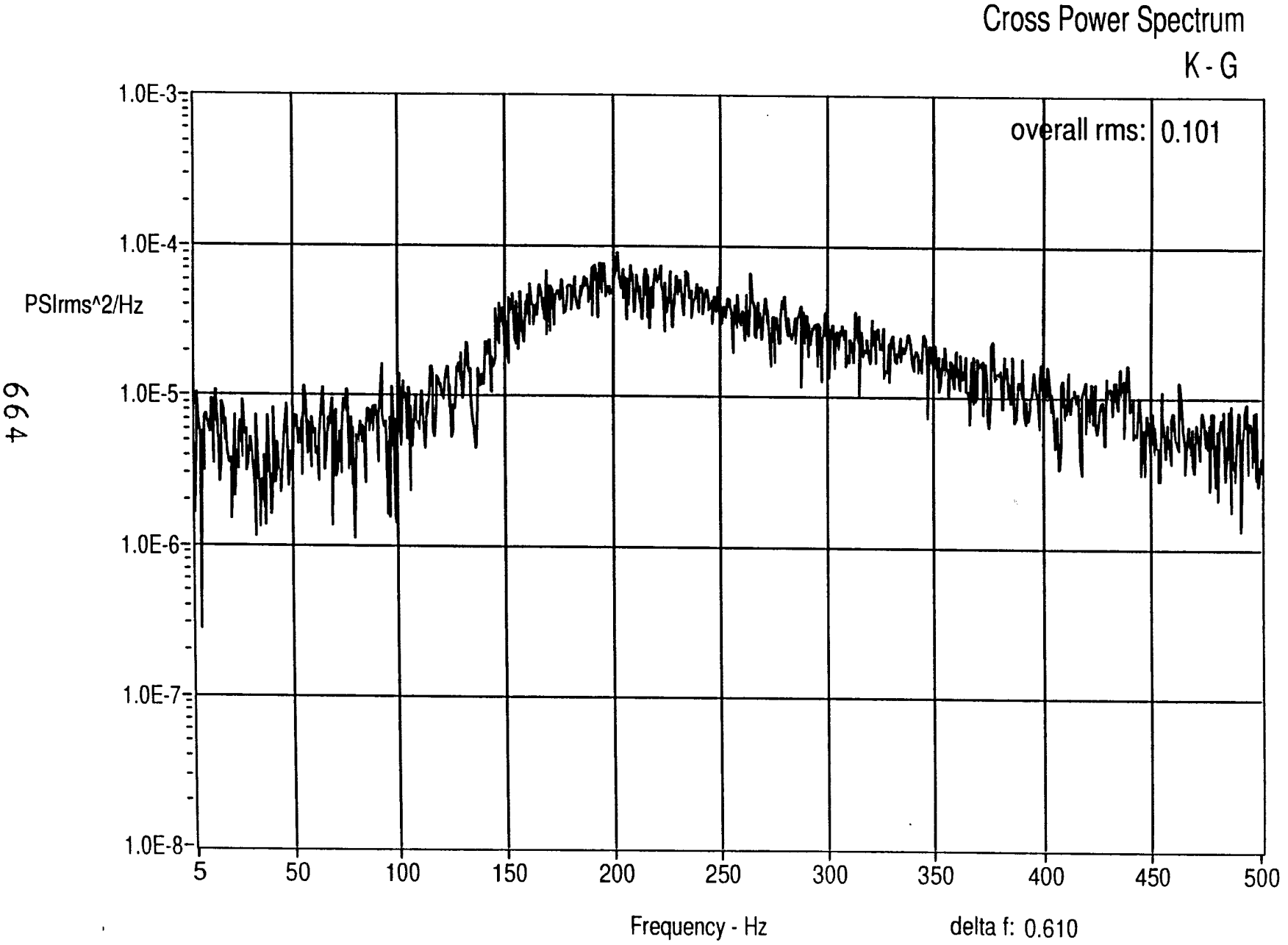
F-15 TPN_3333: alpha=8 beta=0 bp=45



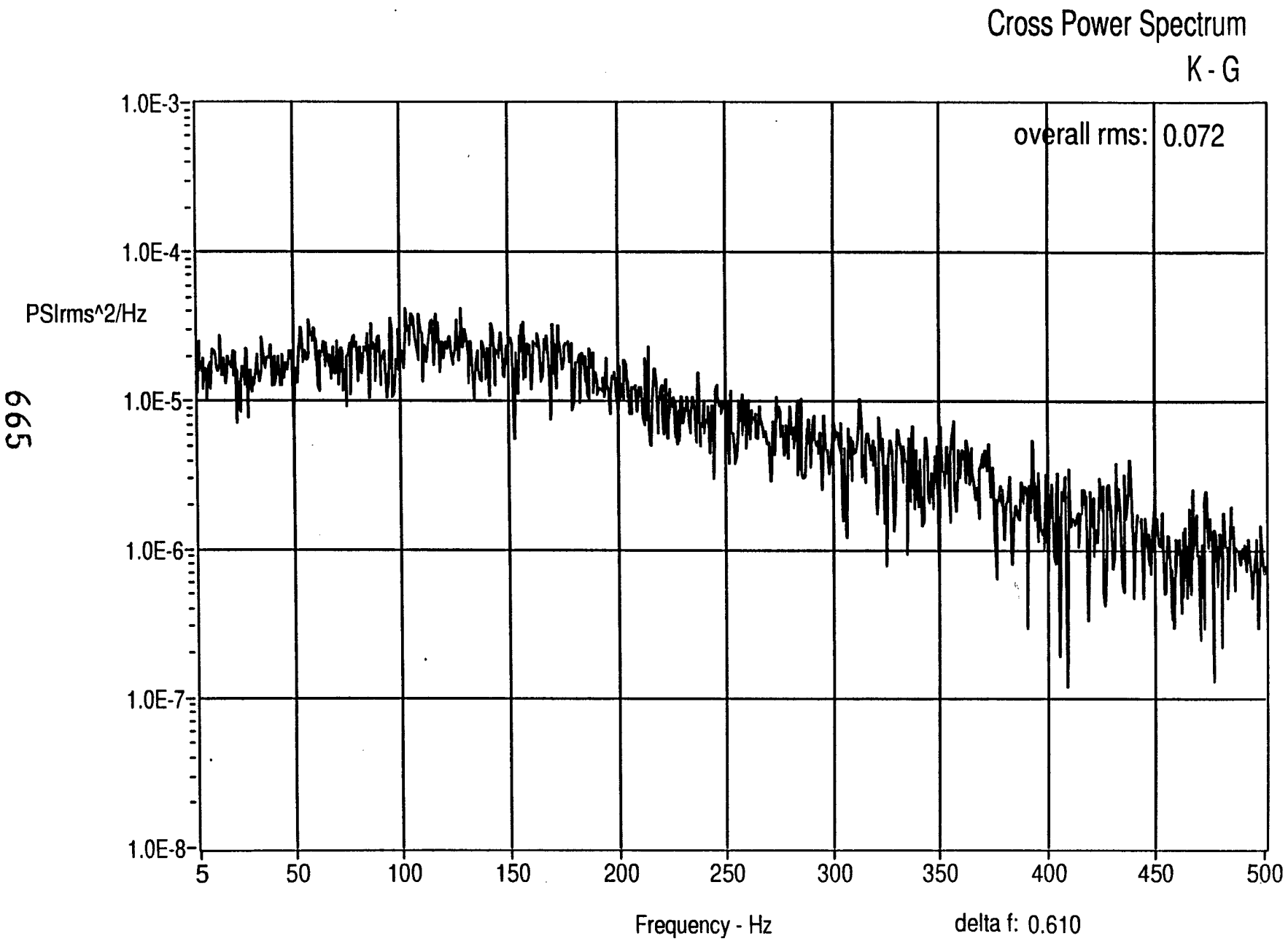
F-15 TPN_3339: alpha=20 beta=0 bp=45



F-15 TPN_3341: alpha=24 beta=0 bp=45

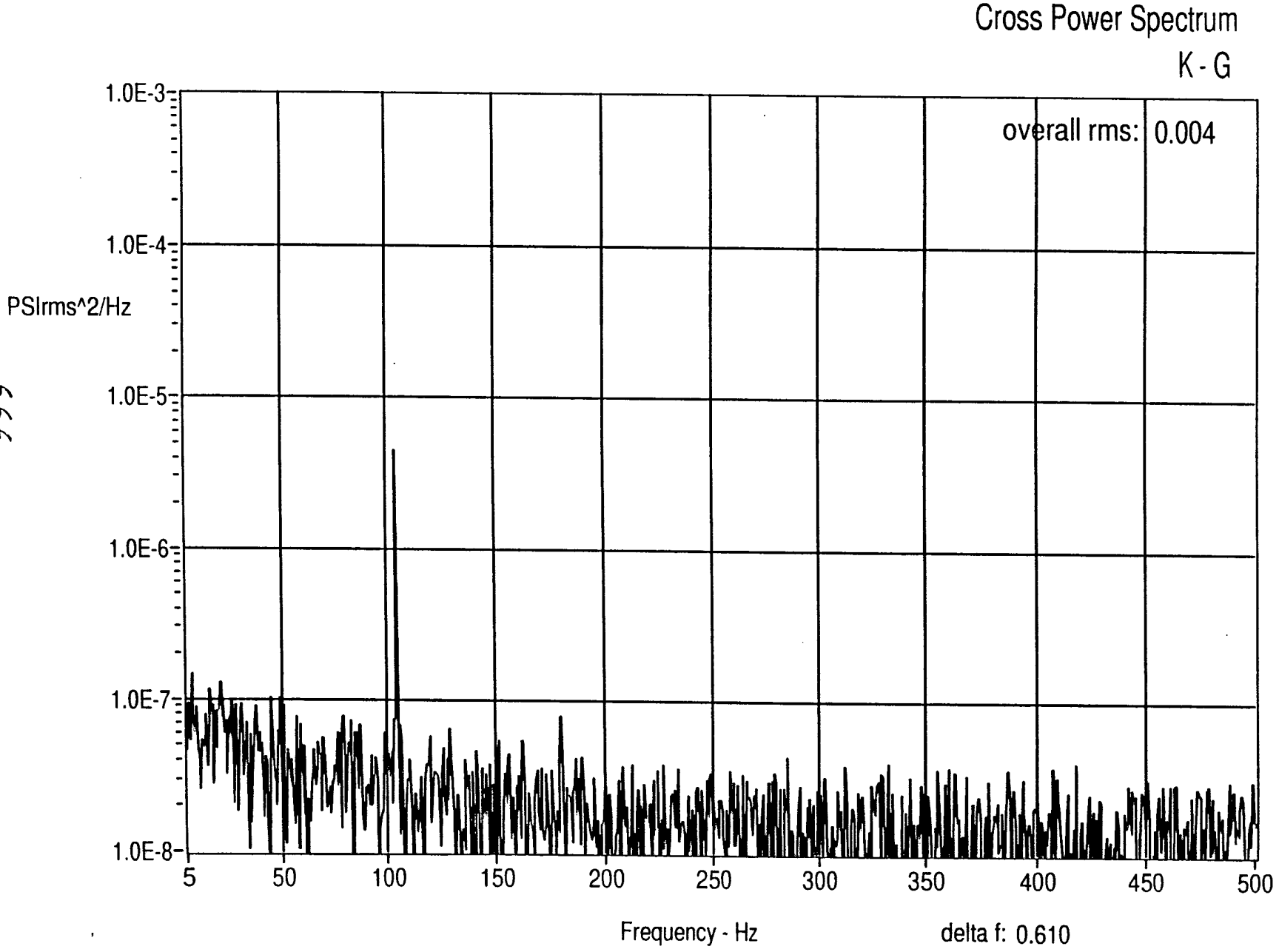


F-15 TPN_3343: alpha=32 beta=0 bp=45



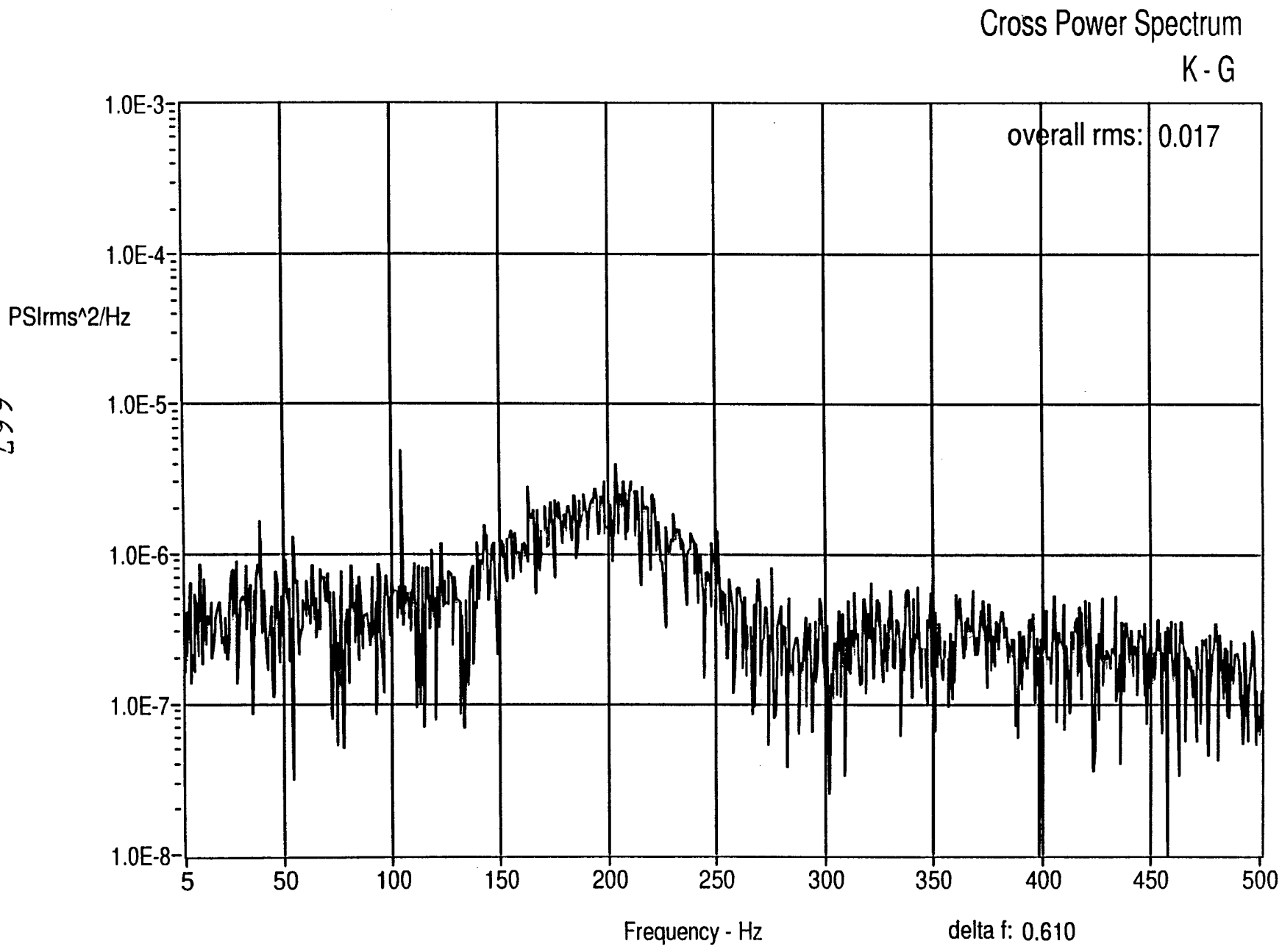
665

F-15 TPN_3369: alpha=8 beta=-4 bp=45



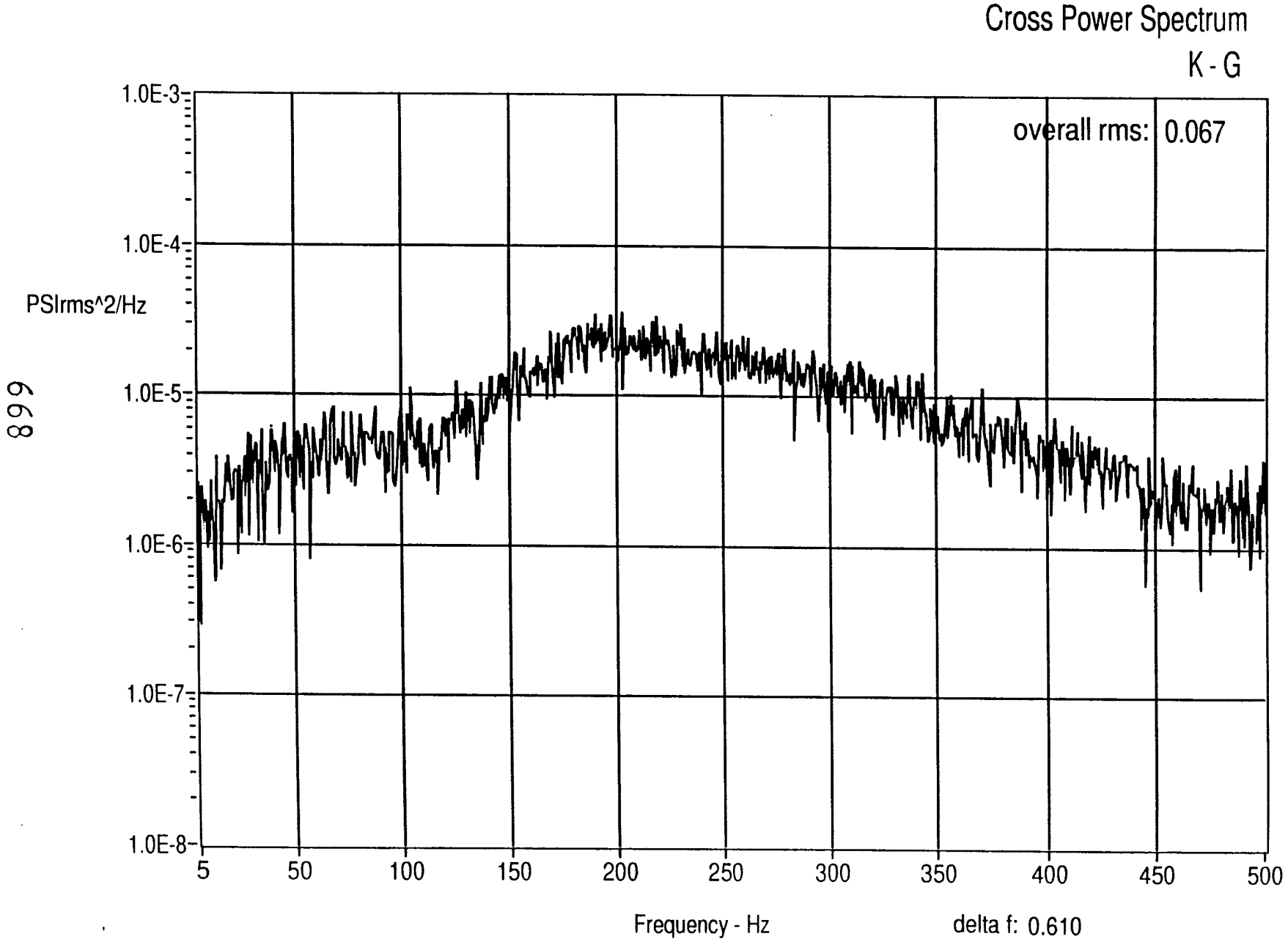
999

F-15 TPN_3375: alpha=20 beta=-4 bp=45

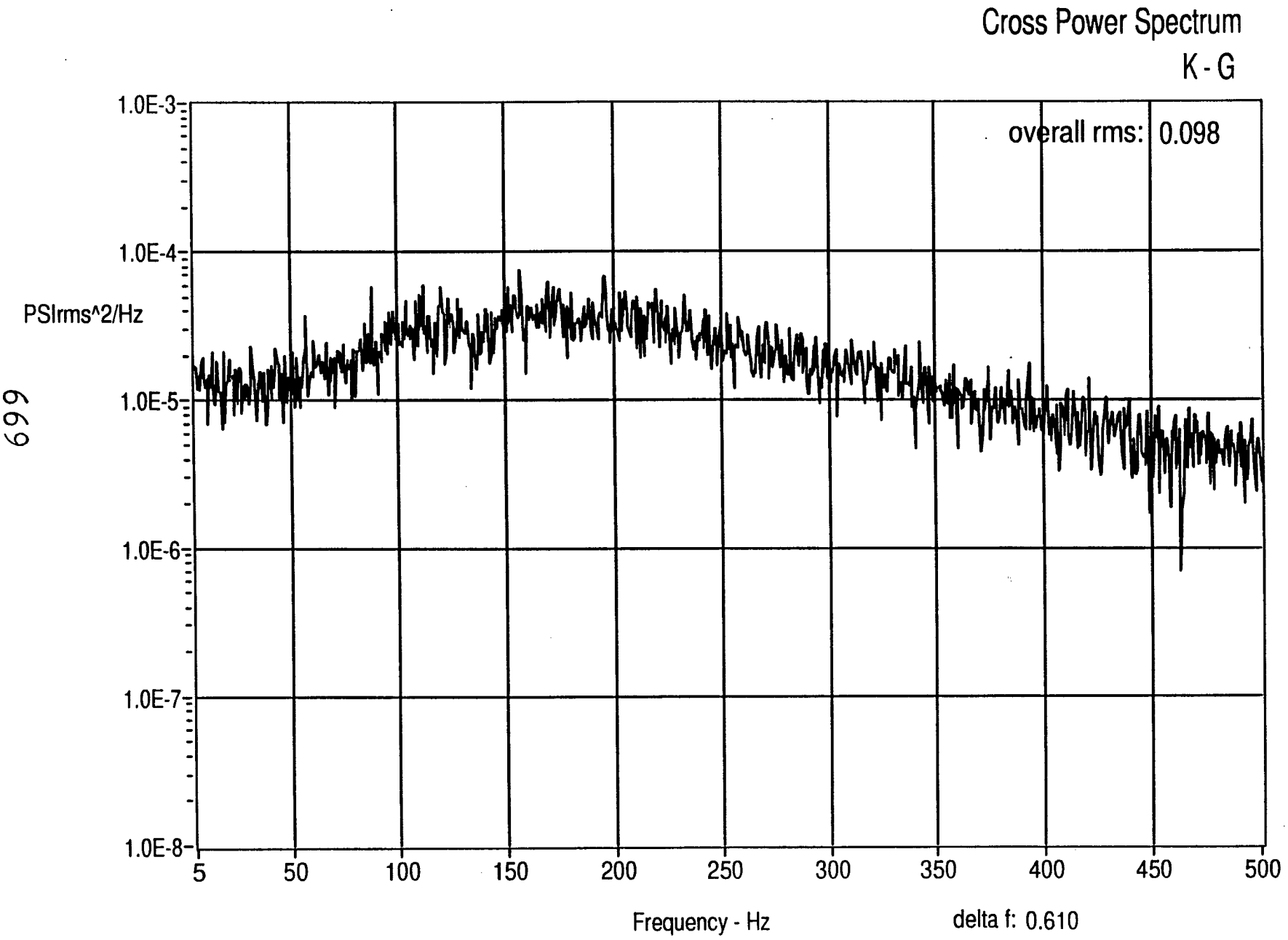


667

F-15 TPN_3377: alpha=24 beta=-4 bp=45

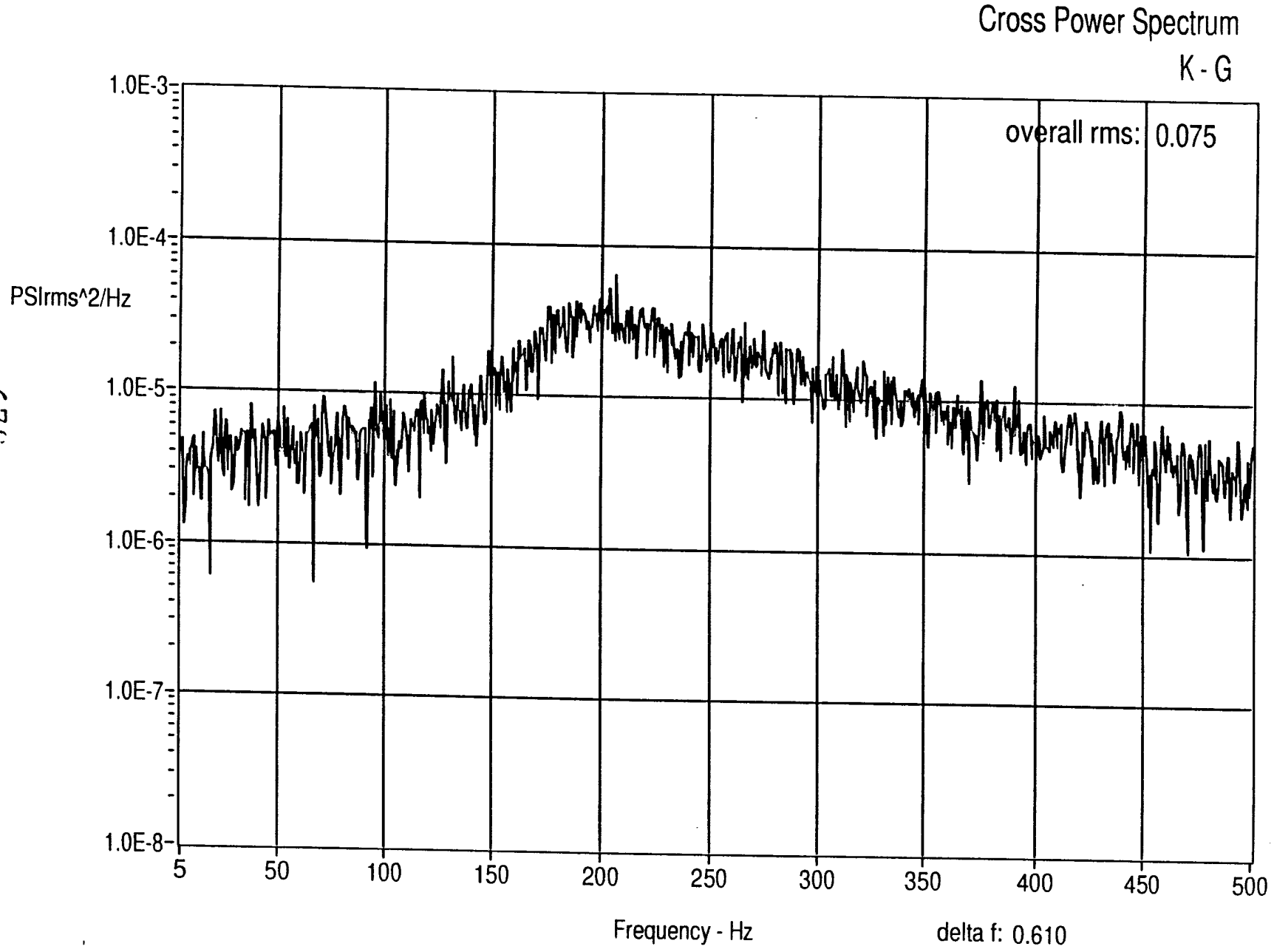


F-15 TPN_3379: alpha=32 beta=-4 bp=45



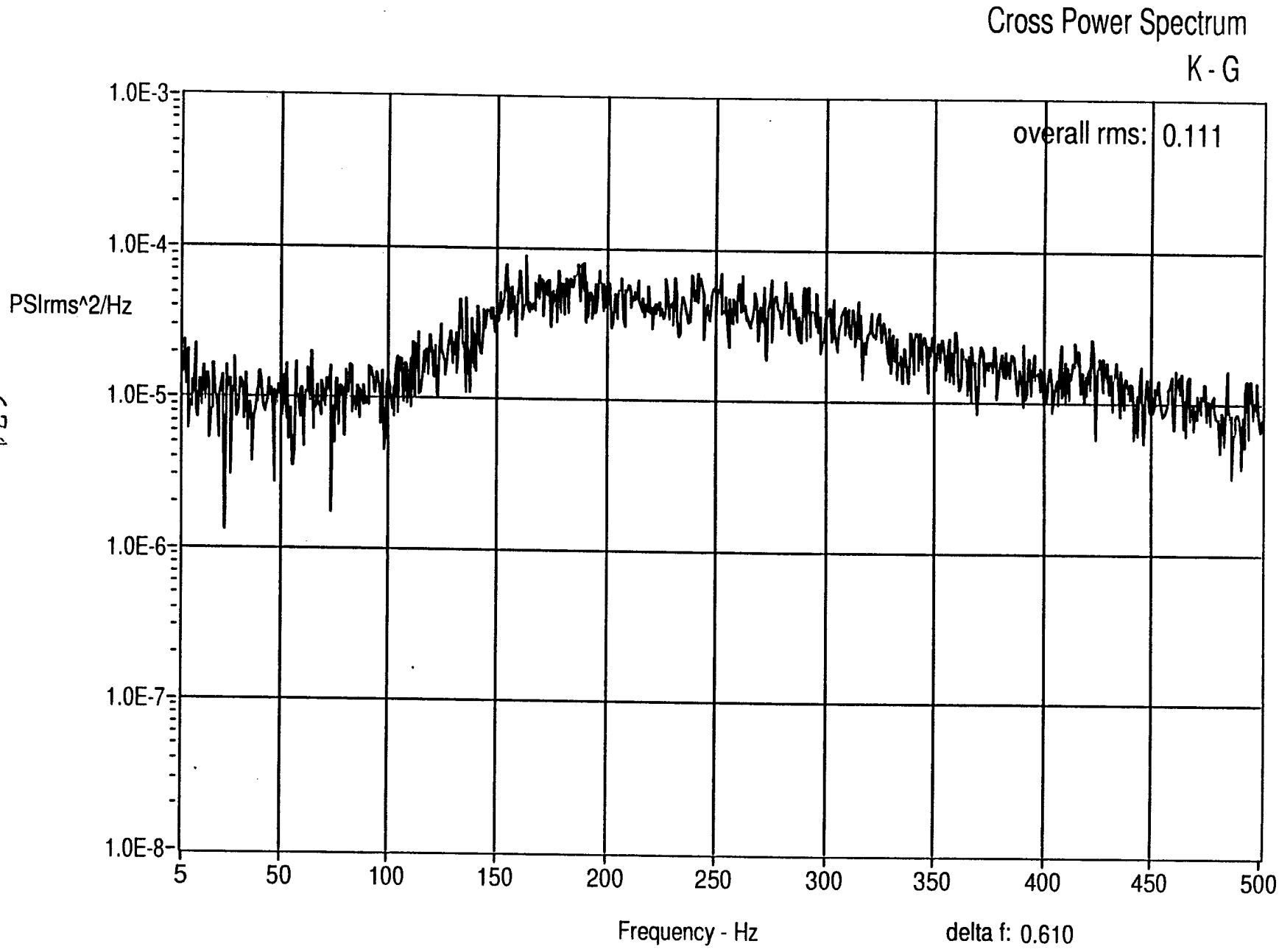
699

F-15 TPN_3046: alpha=20 beta=4 bp=65



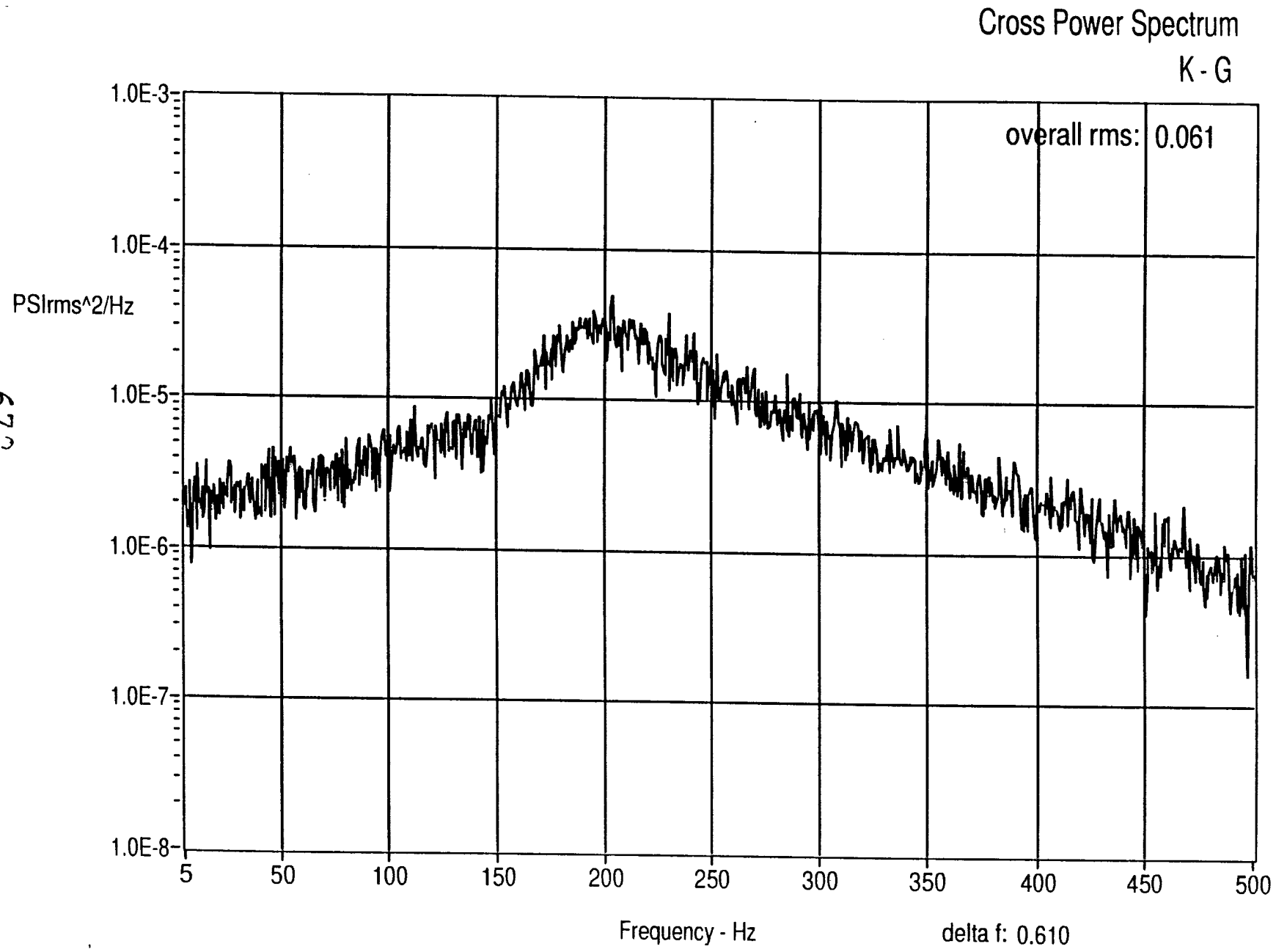
670

F-15 TPN_3048: alpha=24 beta=4 bp=65



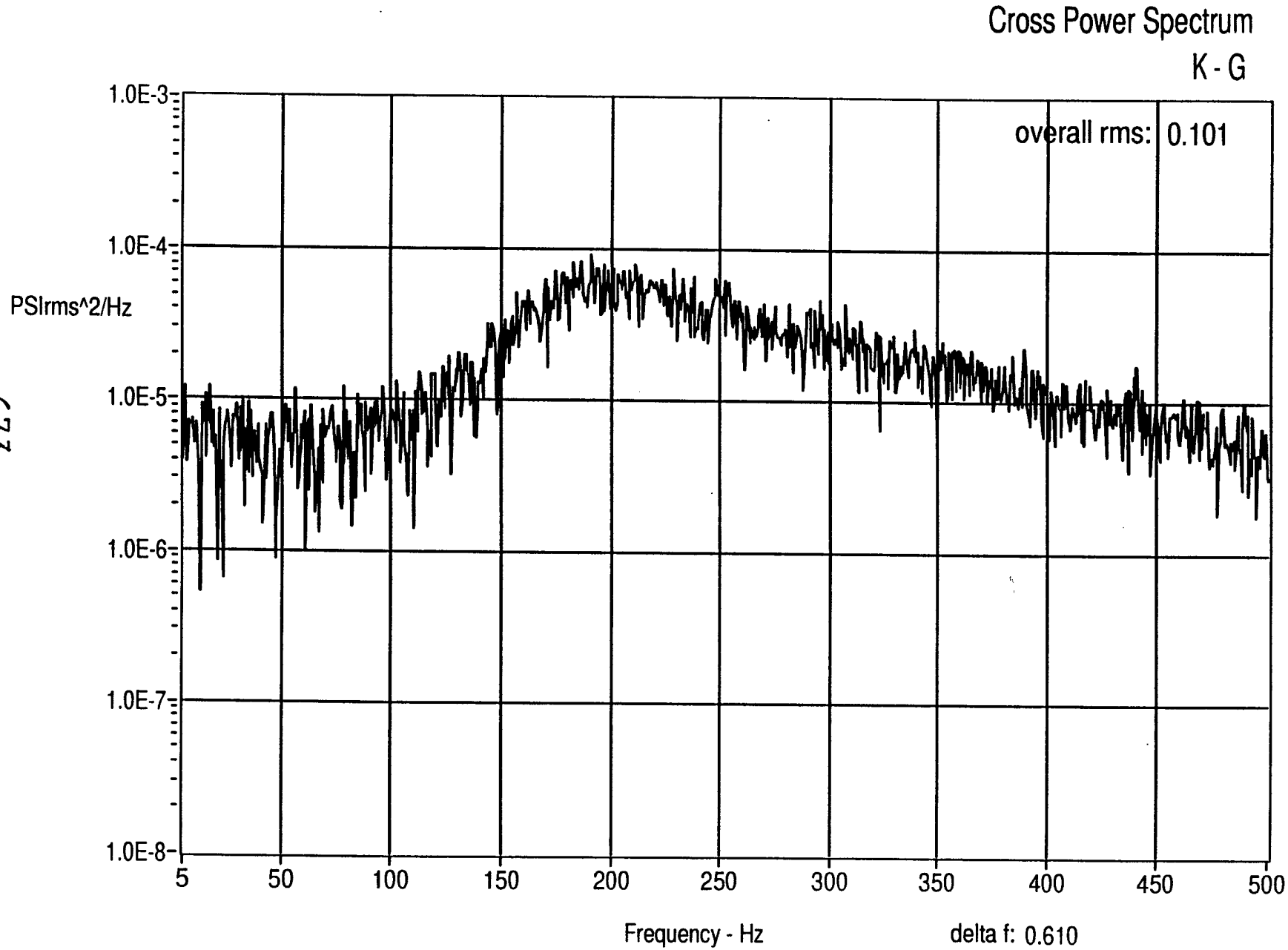
671

F-15 TPN_3040: alpha=20 beta=0 bp=65

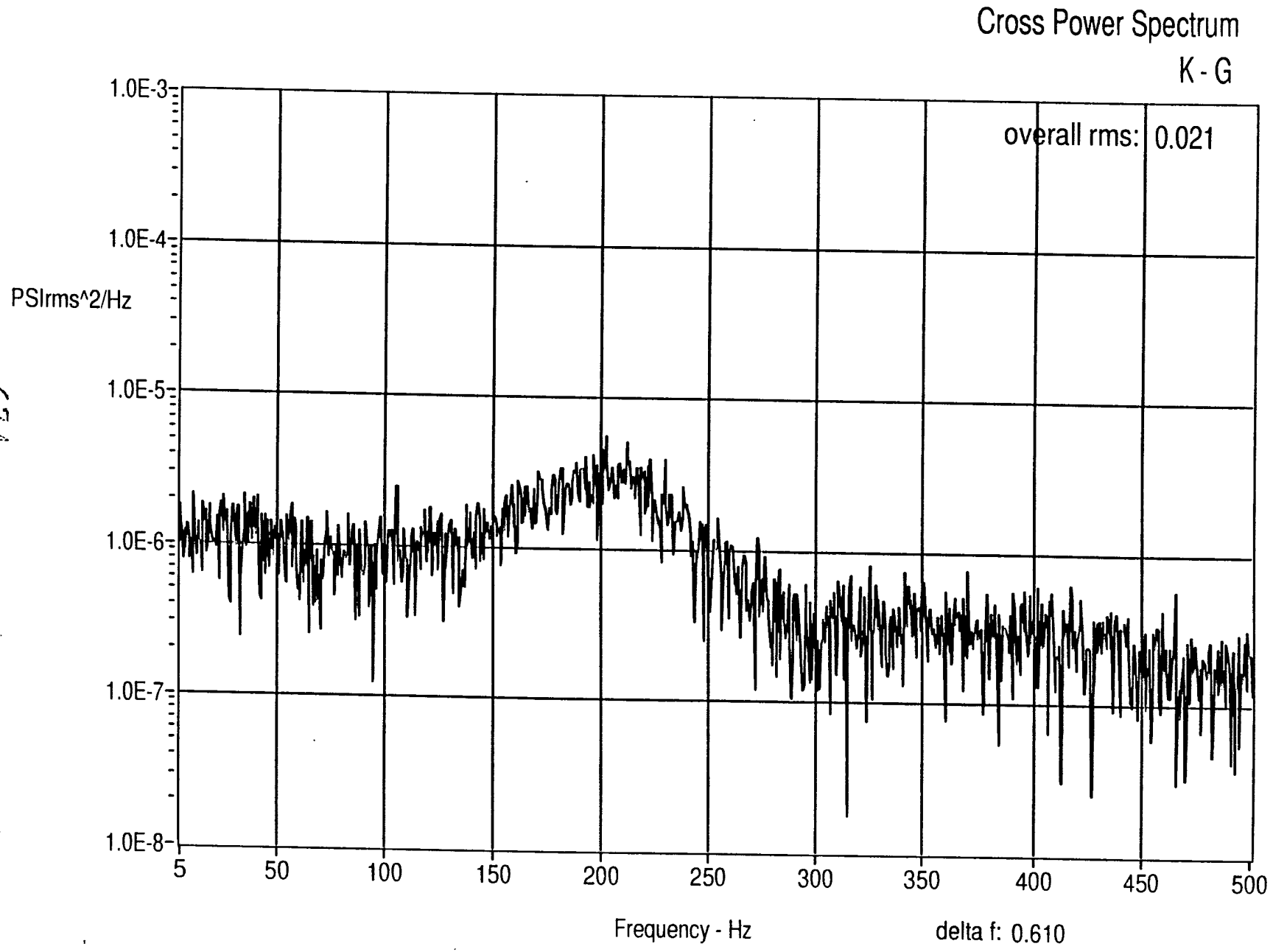


672

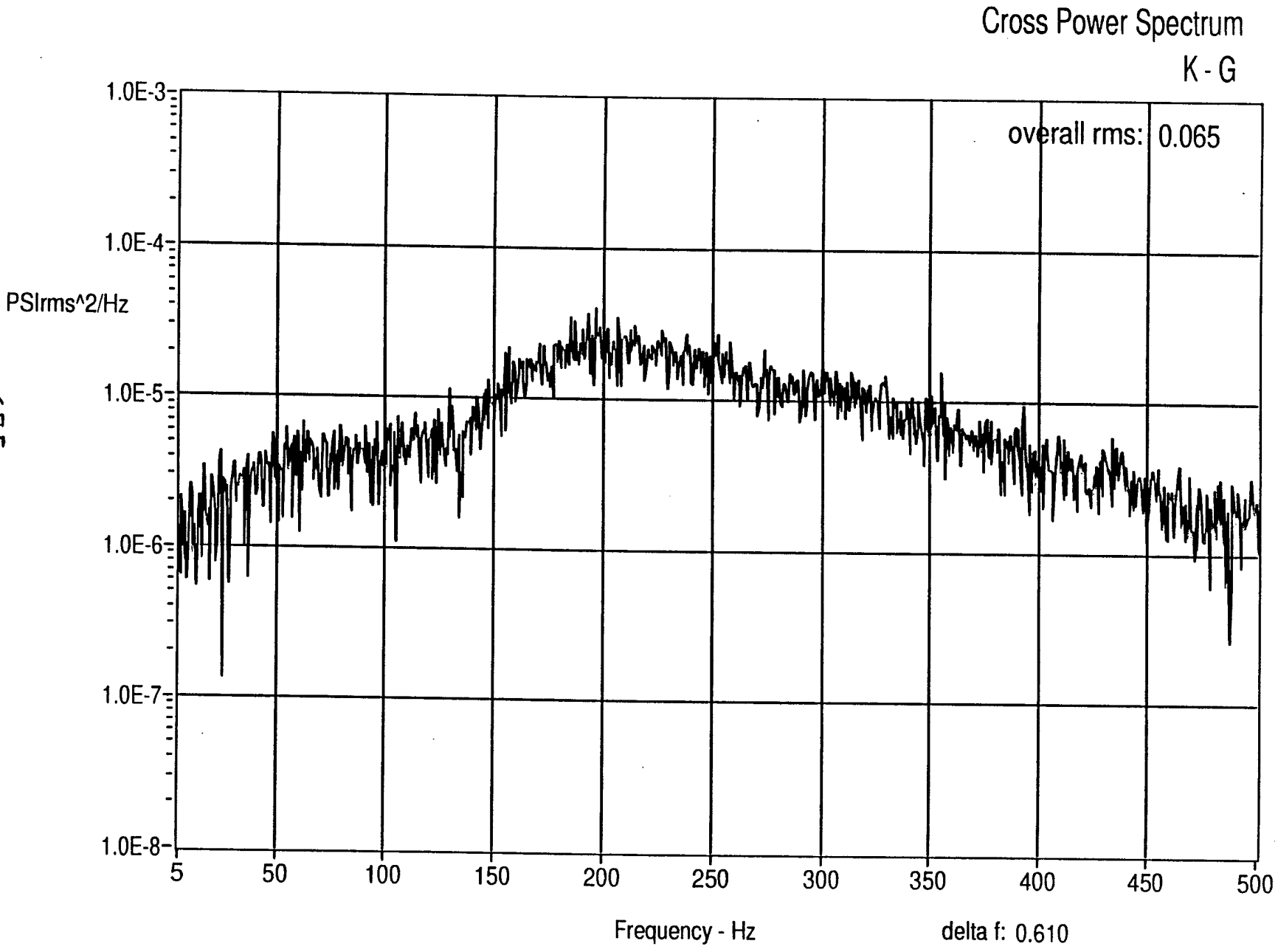
F-15 TPN_3042: alpha=24 beta=0 bp=65



F-15 TPN_3034: alpha=20 beta=-4 bp=65

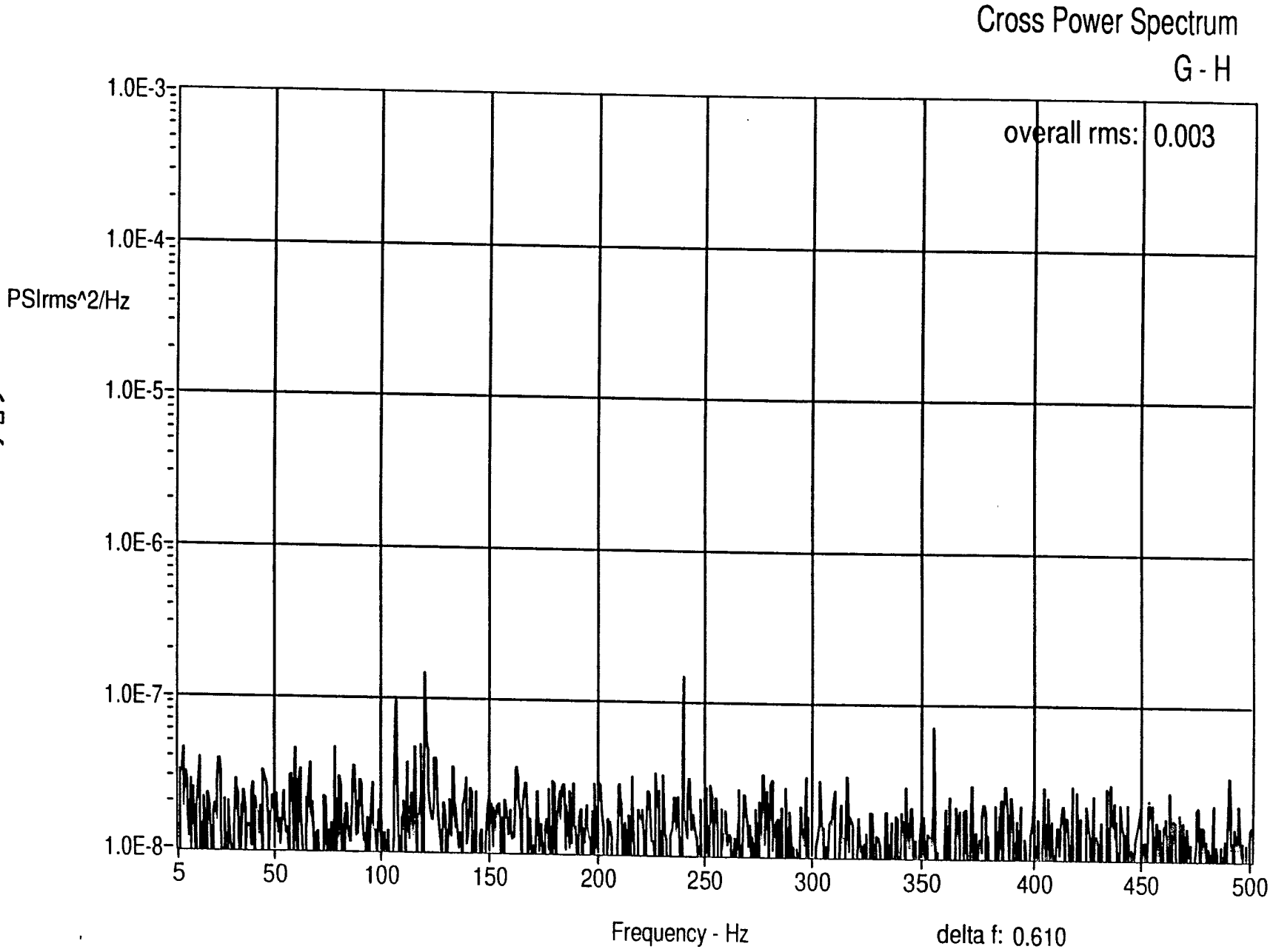


F-15 TPN_3036: alpha=24 beta=-4 bp=65



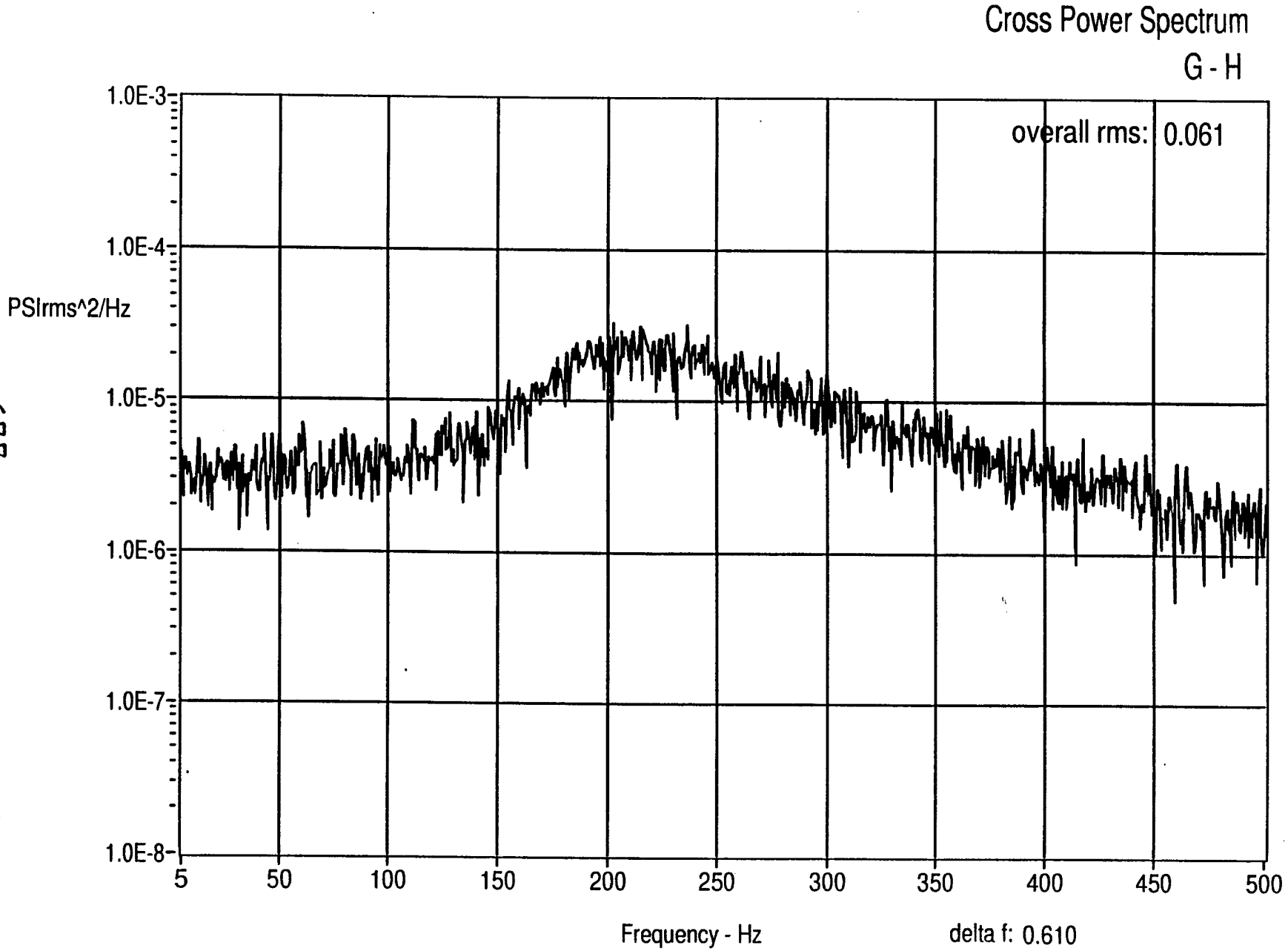
675

F-15 TPN_2918: alpha=8 beta=4 bp=0

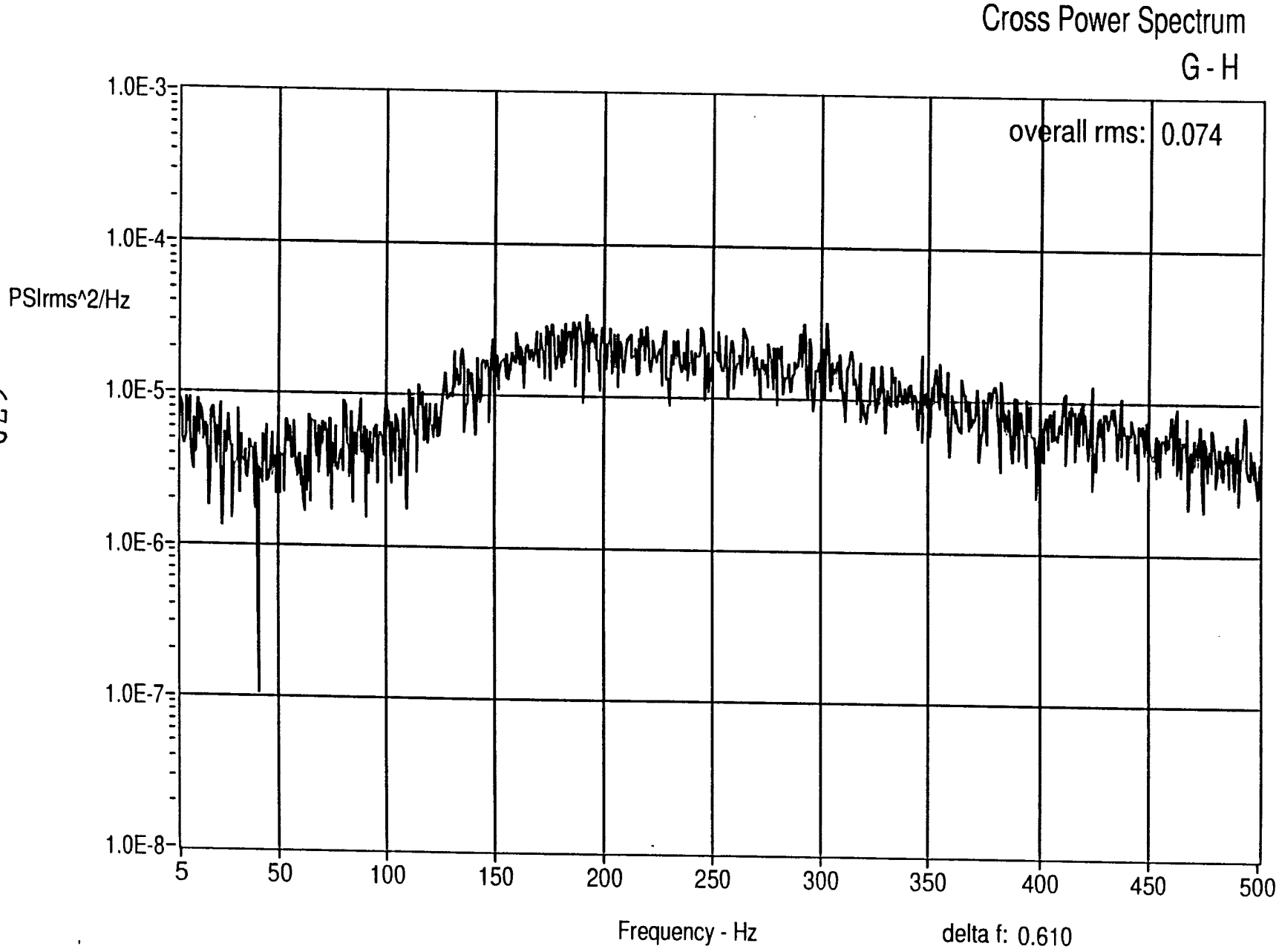


676

F-15 TPN_2924: alpha=20 beta=4 bp=0

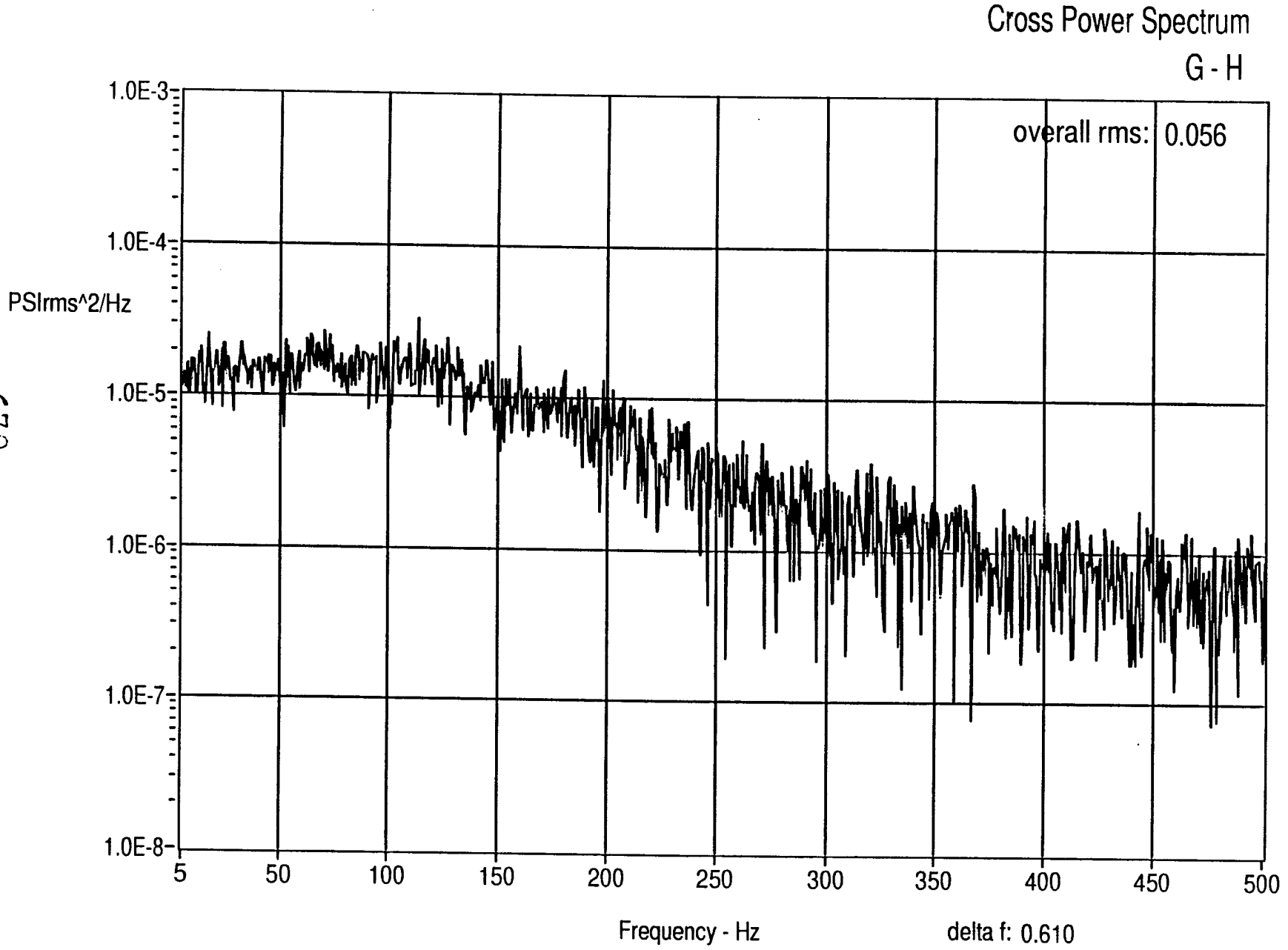


F-15 TPN_2926: alpha=24 beta=4 bp=0

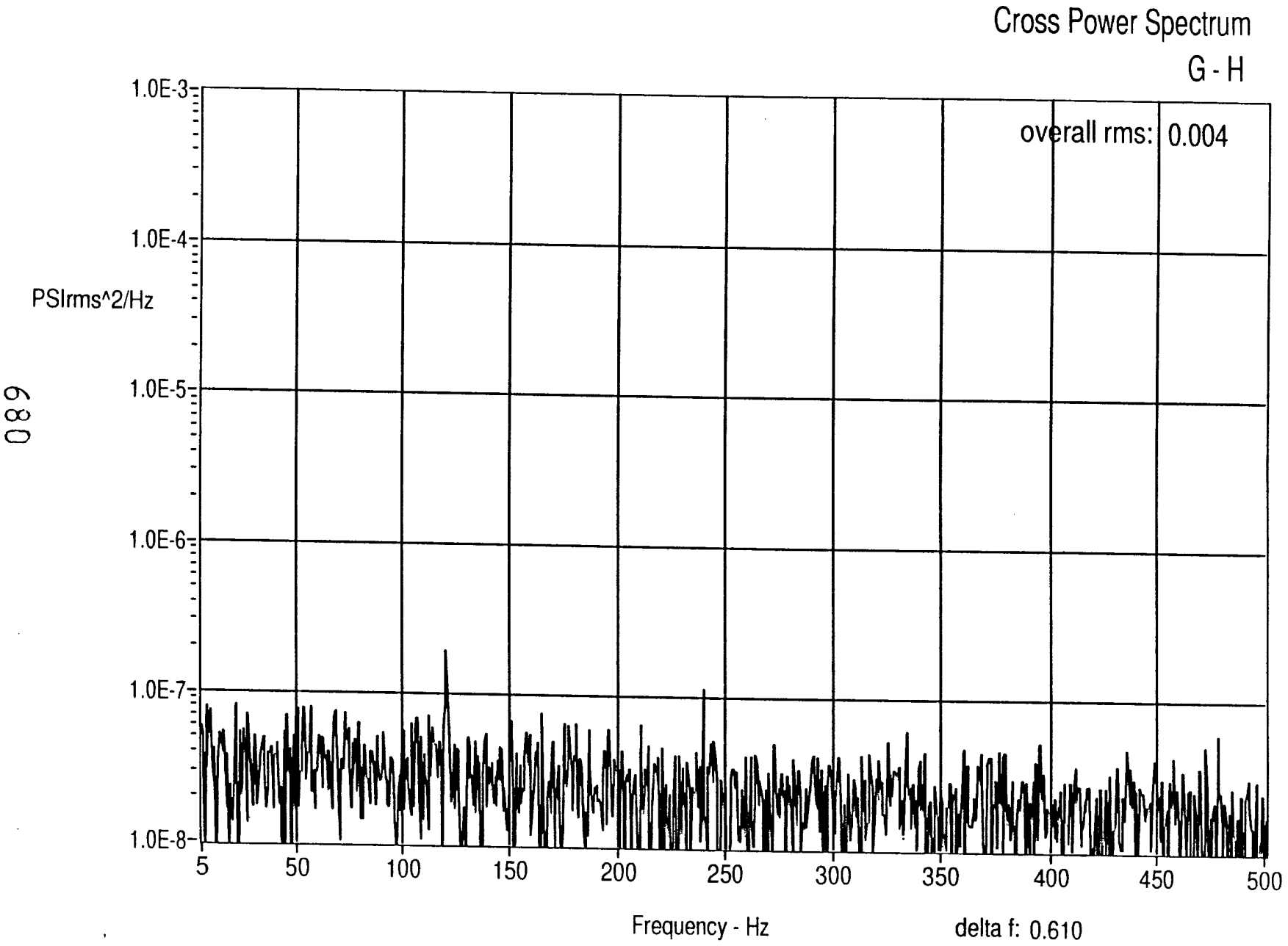


678

F-15 TPN_2928: alpha=32 beta=4 bp=0

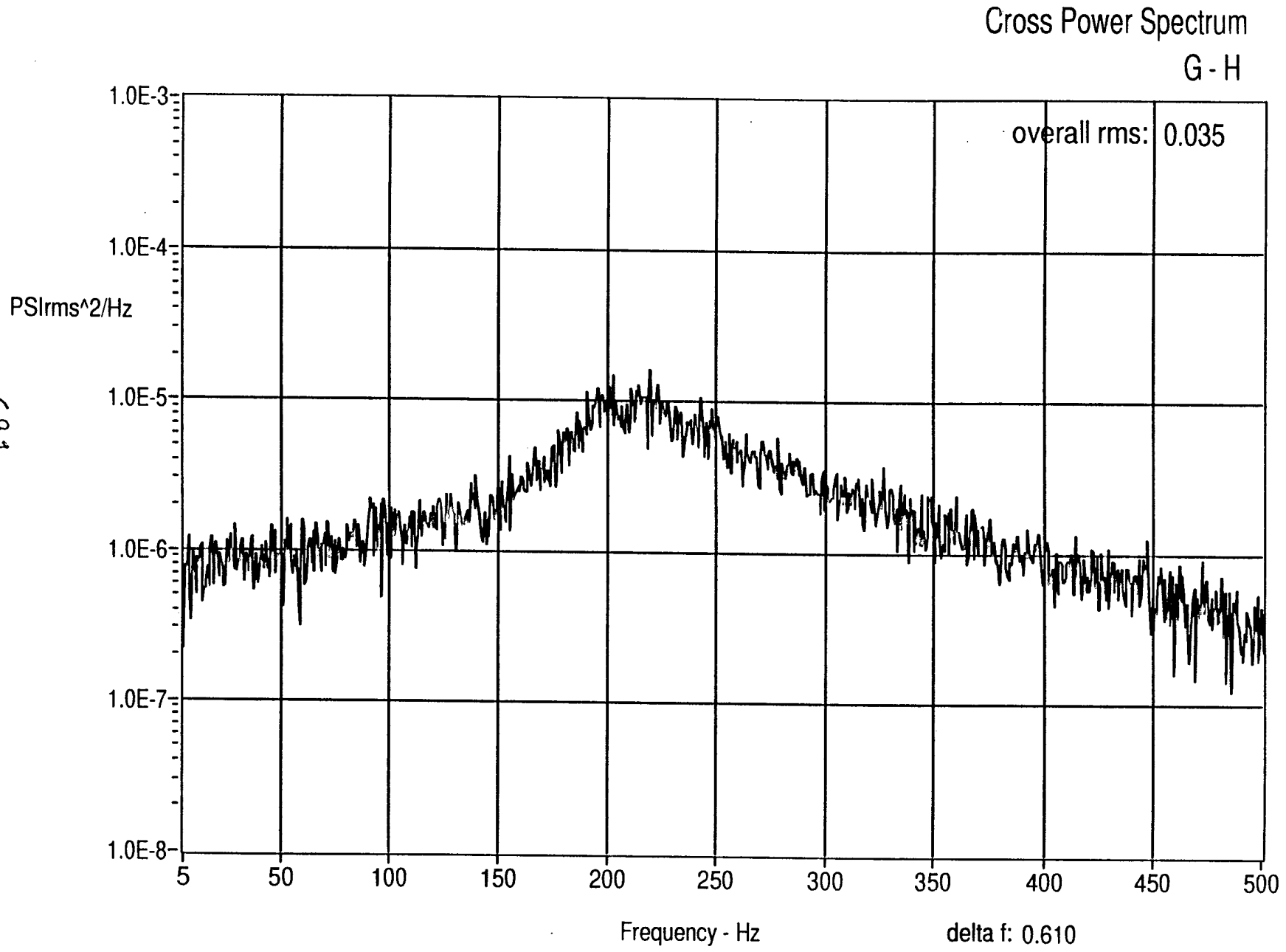


F-15 TPN_2844: alpha=8 beta=0 bp=0

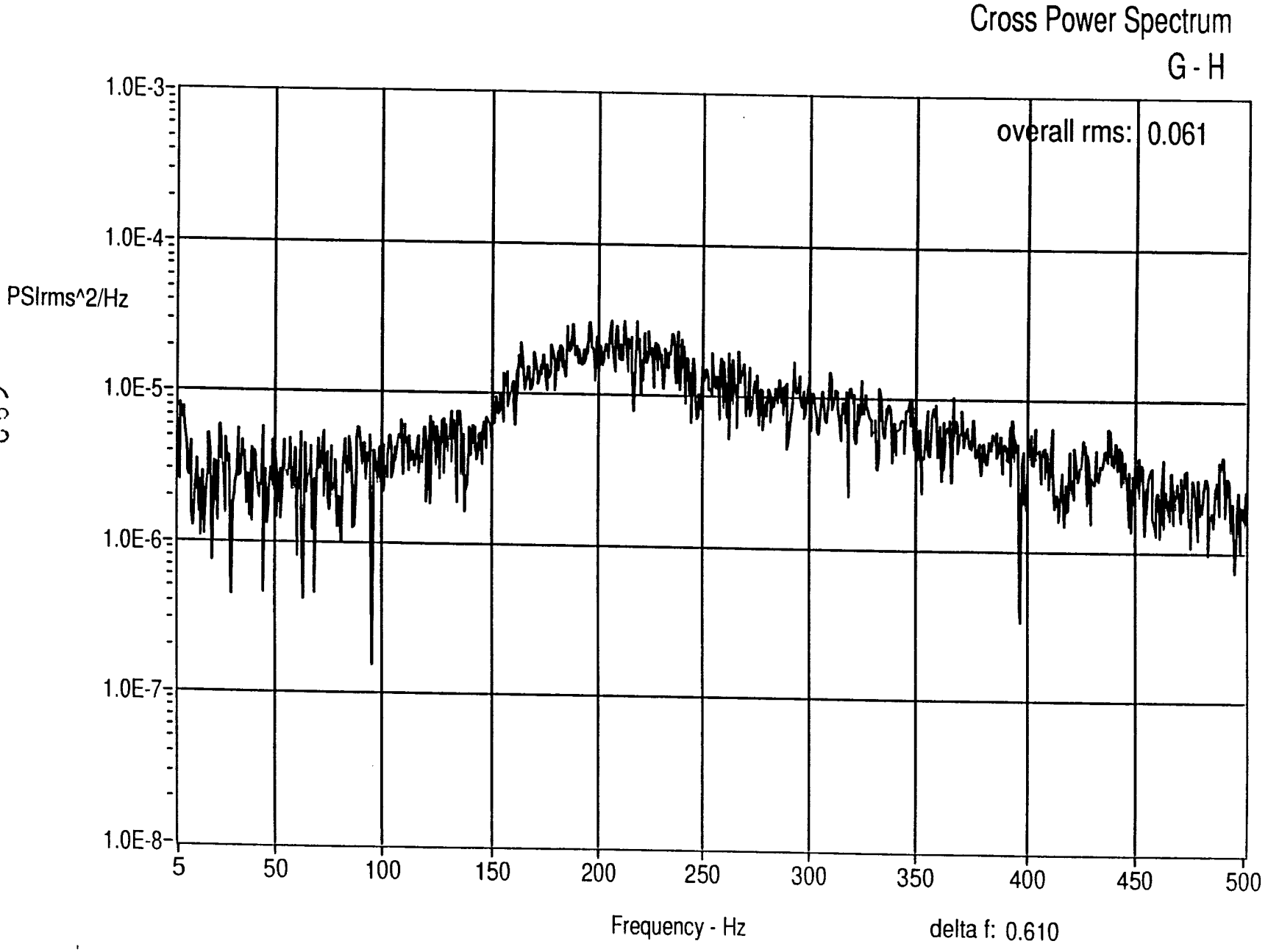


089

F-15 TPN_2850: alpha=20 beta=0 bp=0

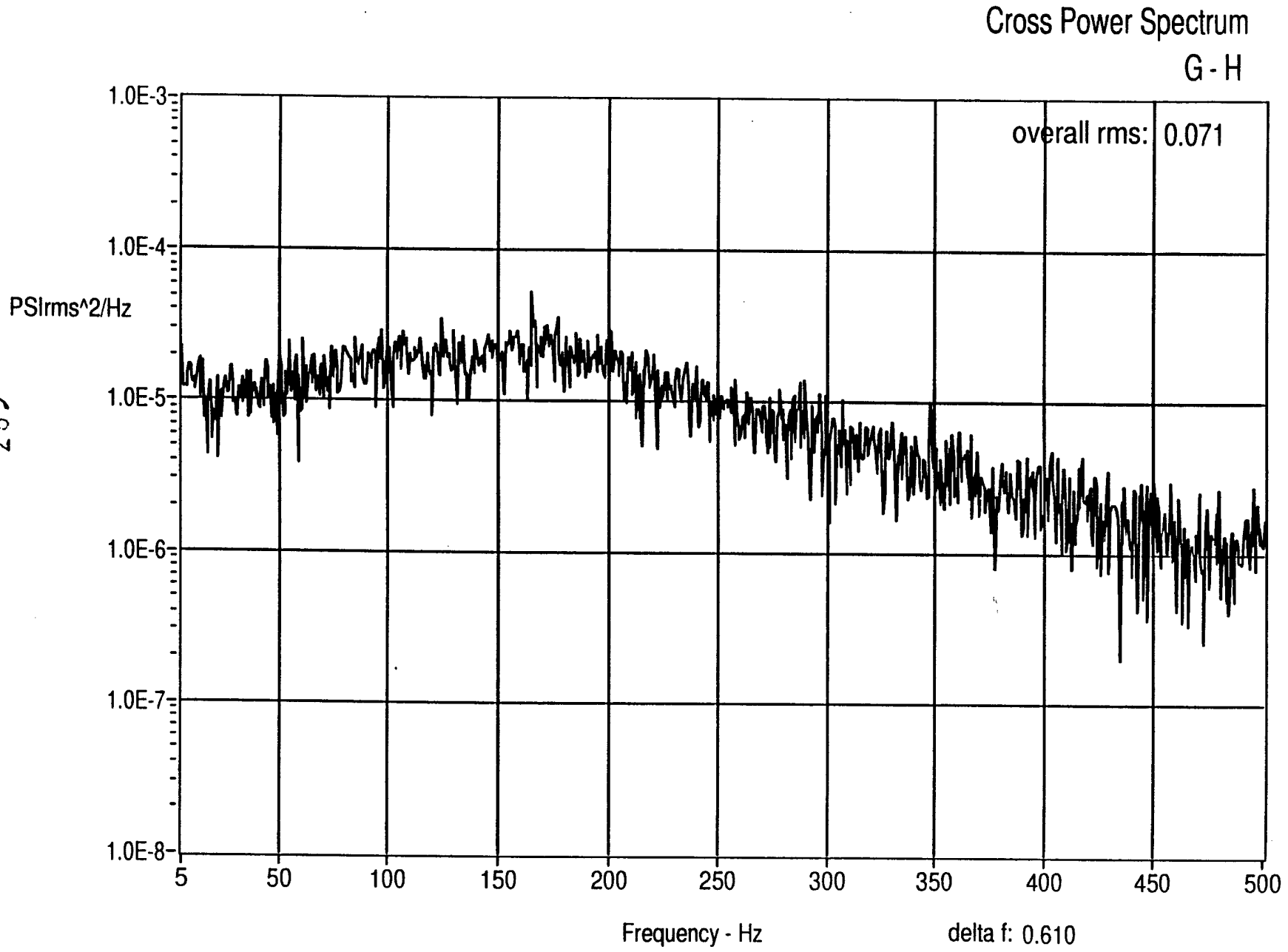


F-15 TPN_2852: alpha=24 beta=0 bp=0

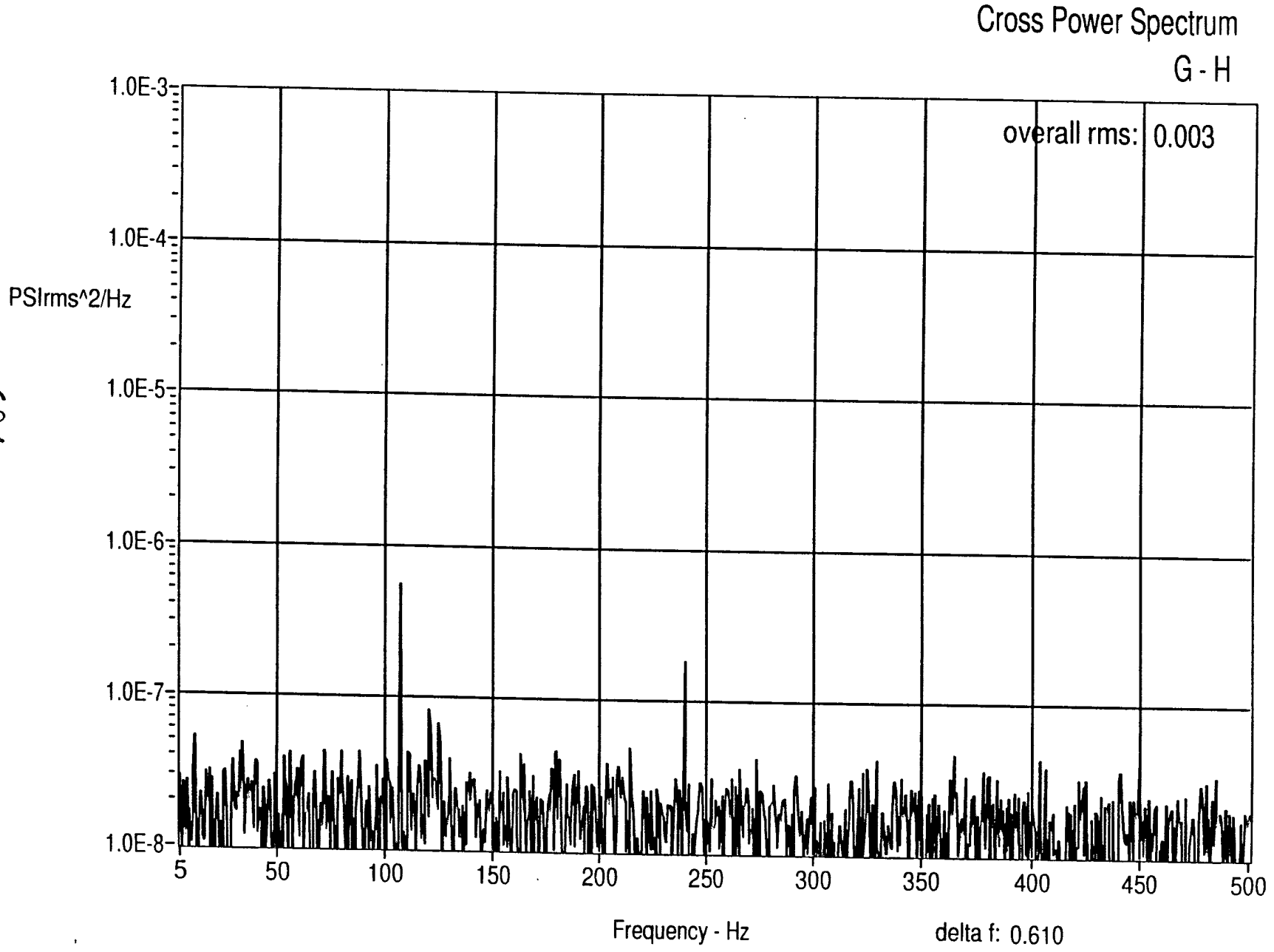


682

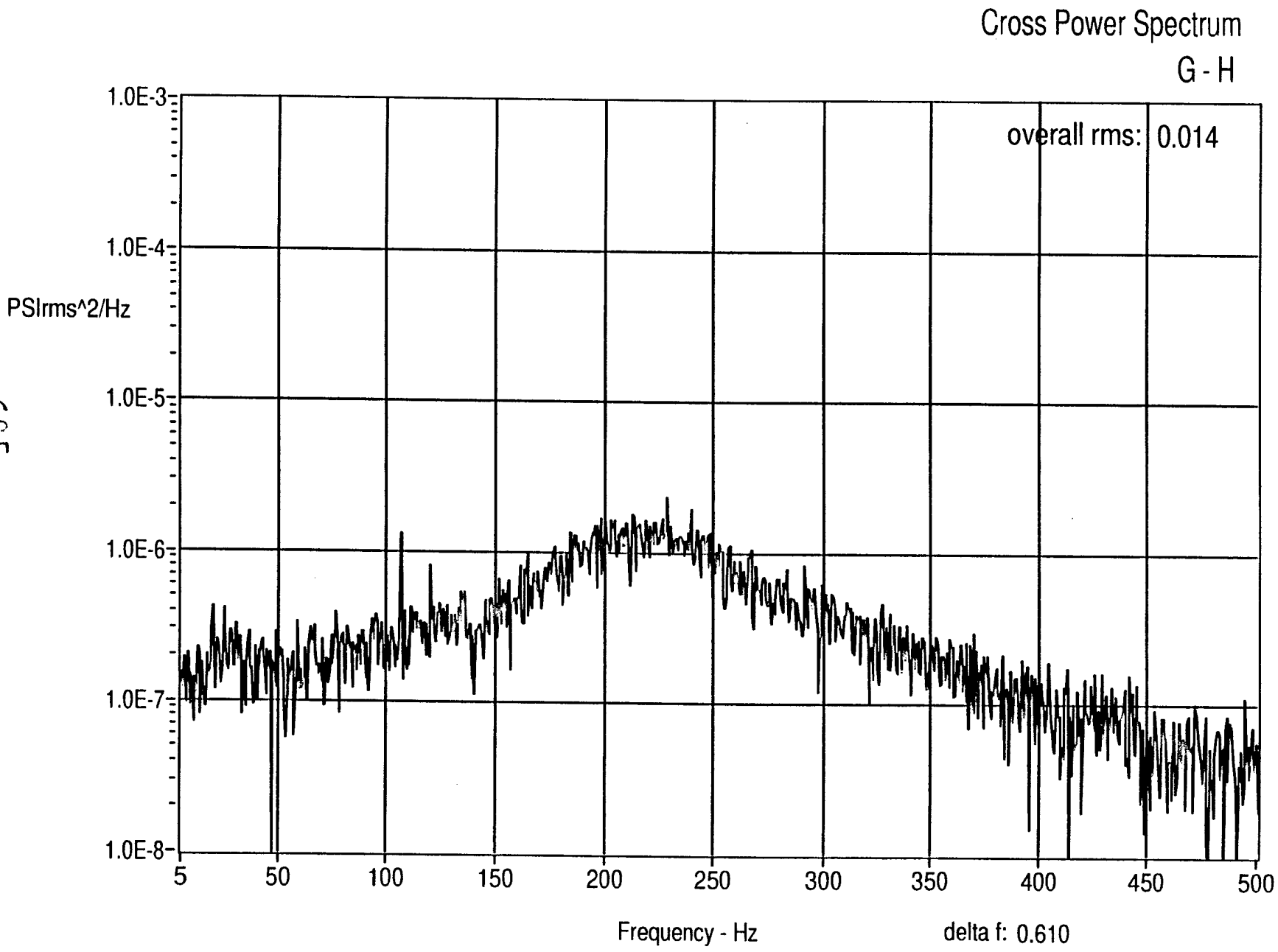
F-15 TPN_2854: alpha=32 beta=0 bp=0



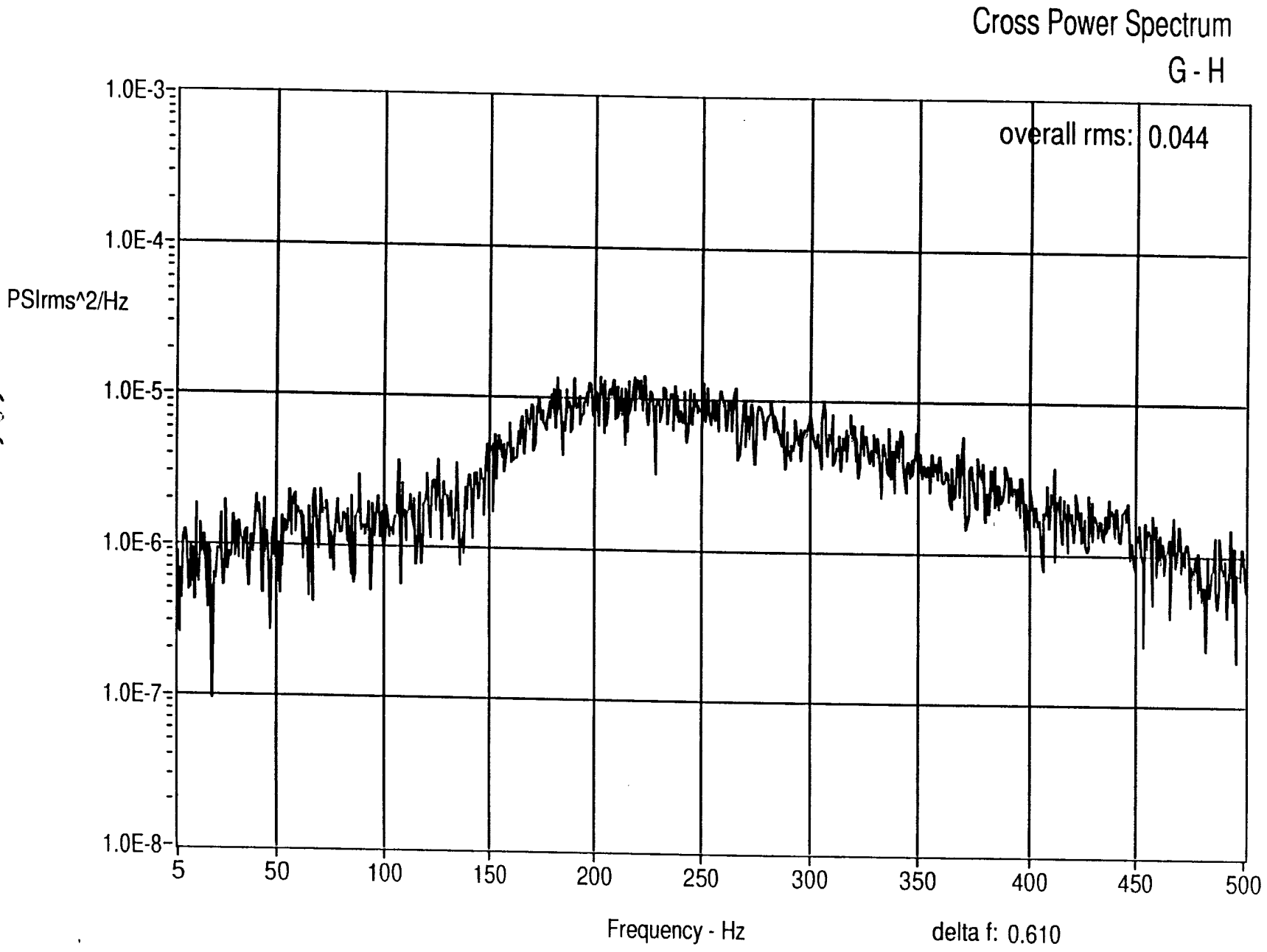
F-15 TPN_2864: alpha=8 beta=-4 bp=0



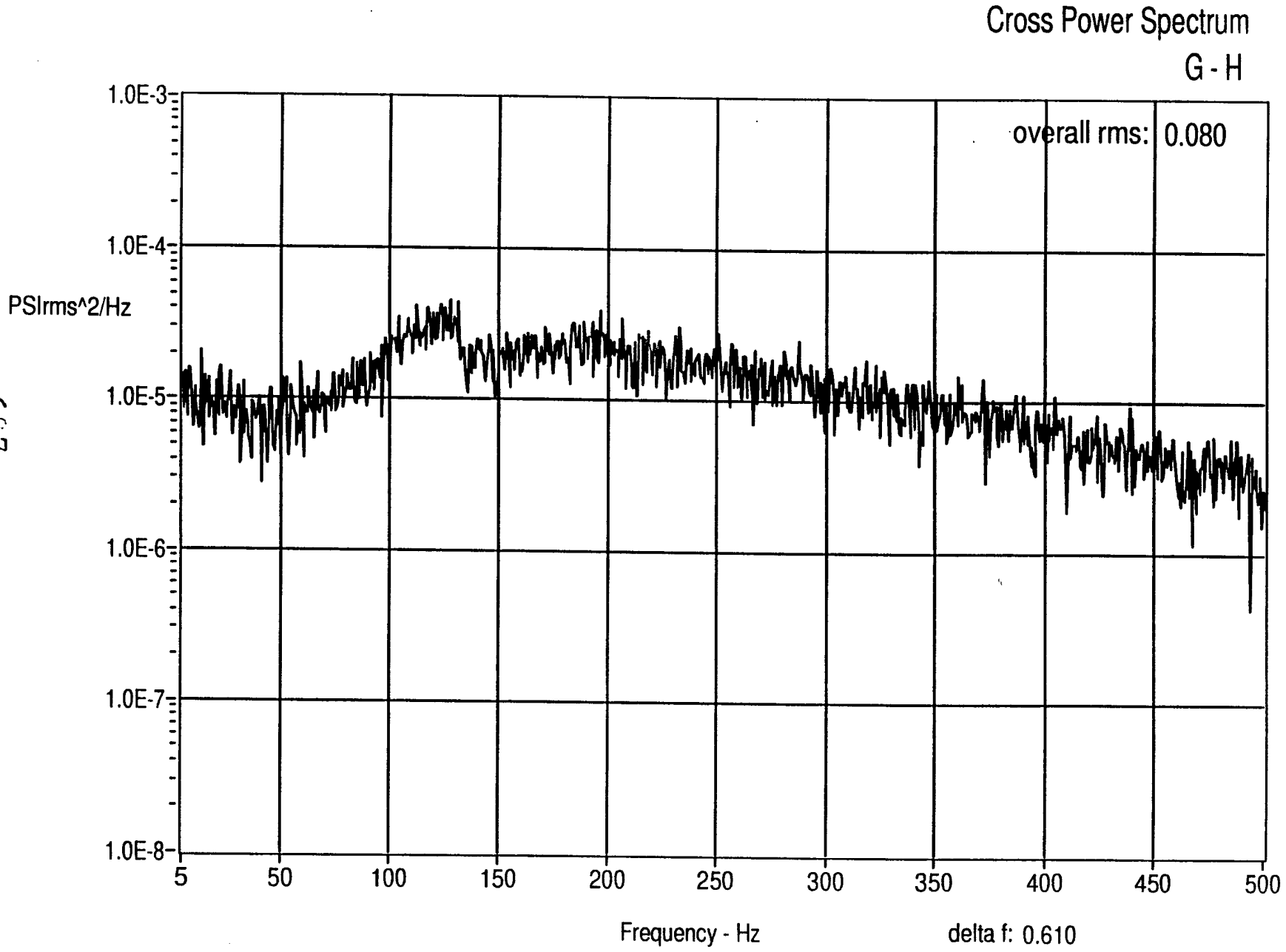
F-15 TPN_2870: alpha=20 beta=-4 bp=0



F-15 TPN_2872: alpha=24 beta=-4 bp=0

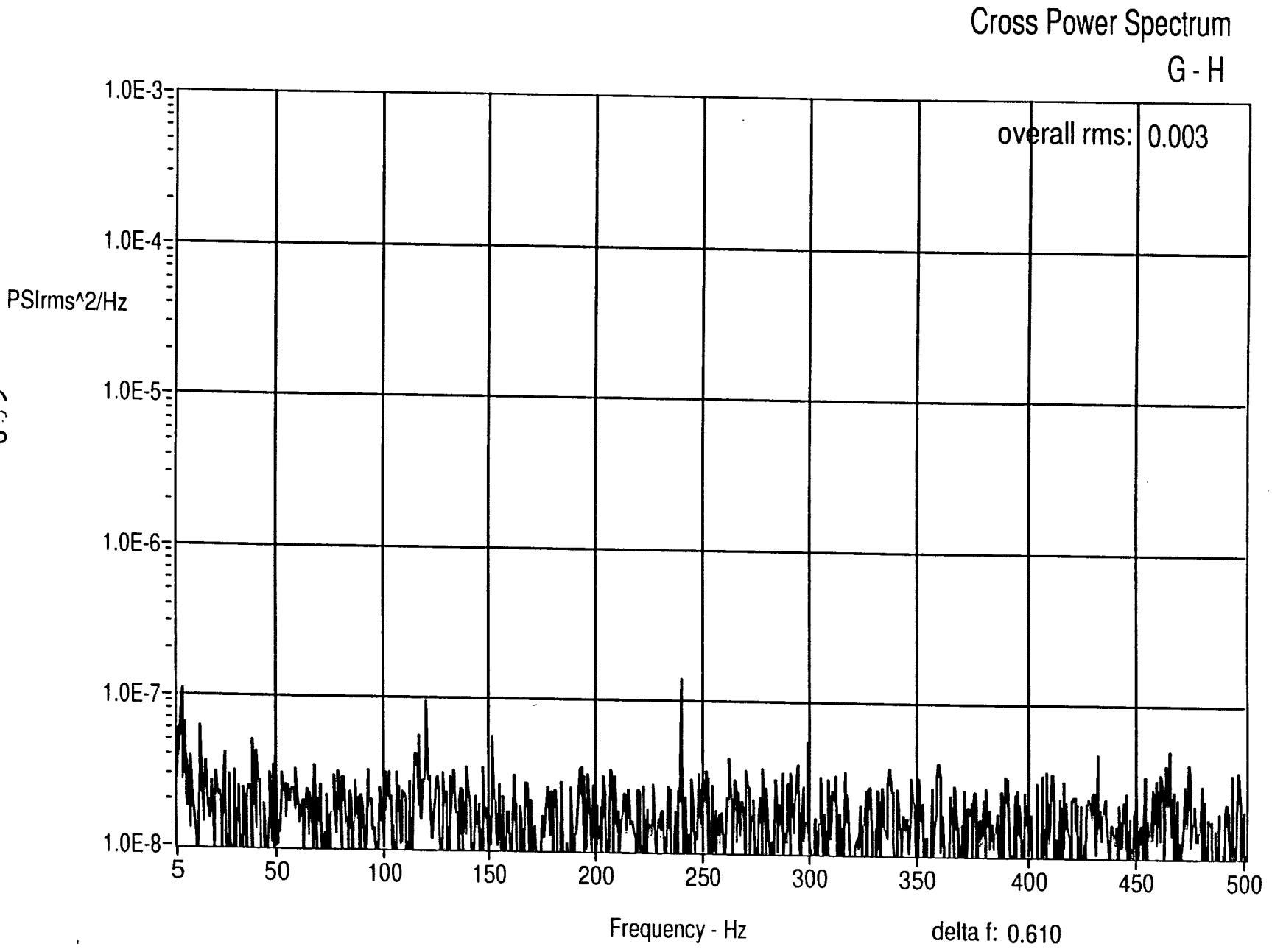


F-15 TPN_2874: alpha=32 beta=-4 bp=0

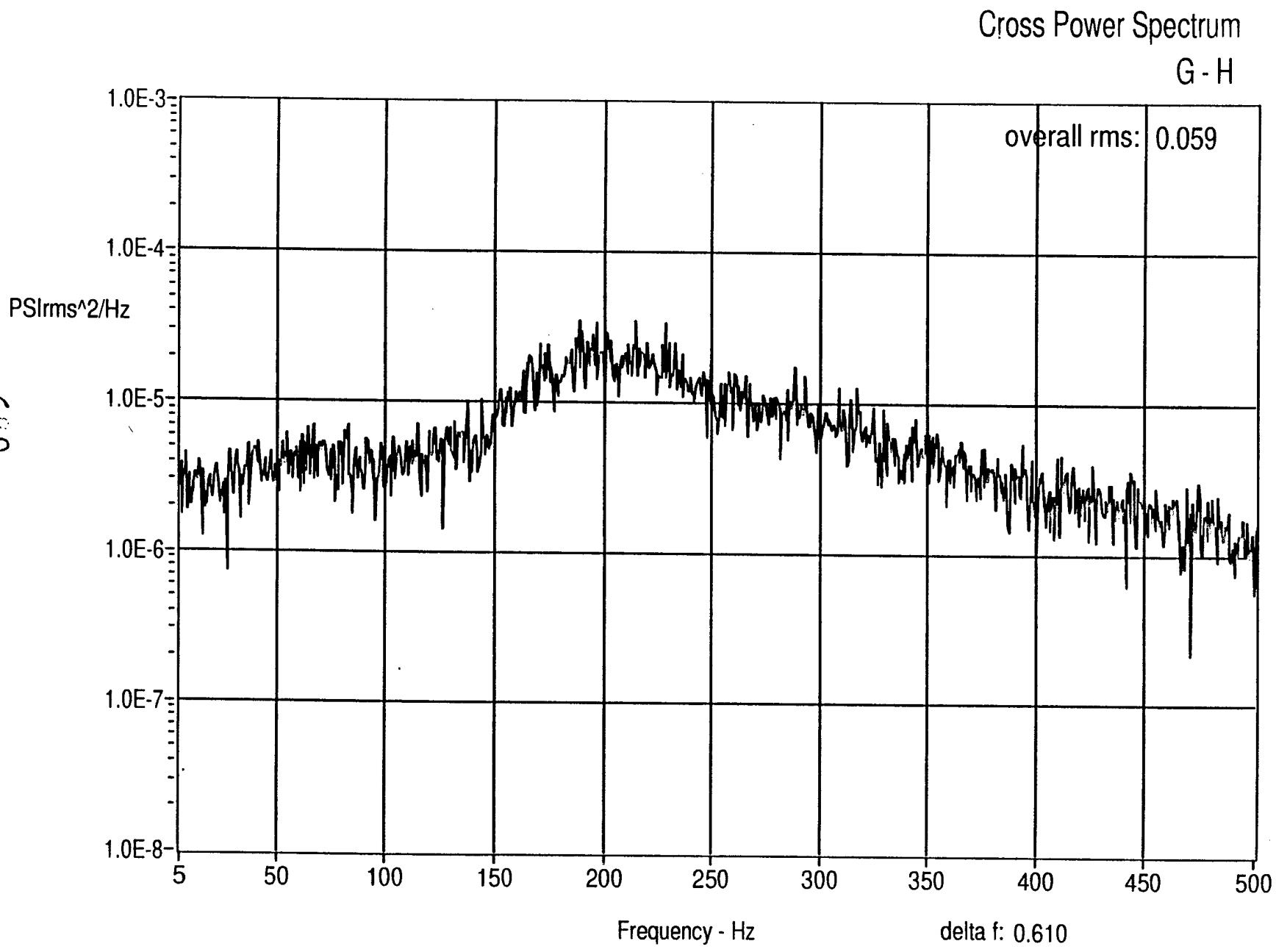


687

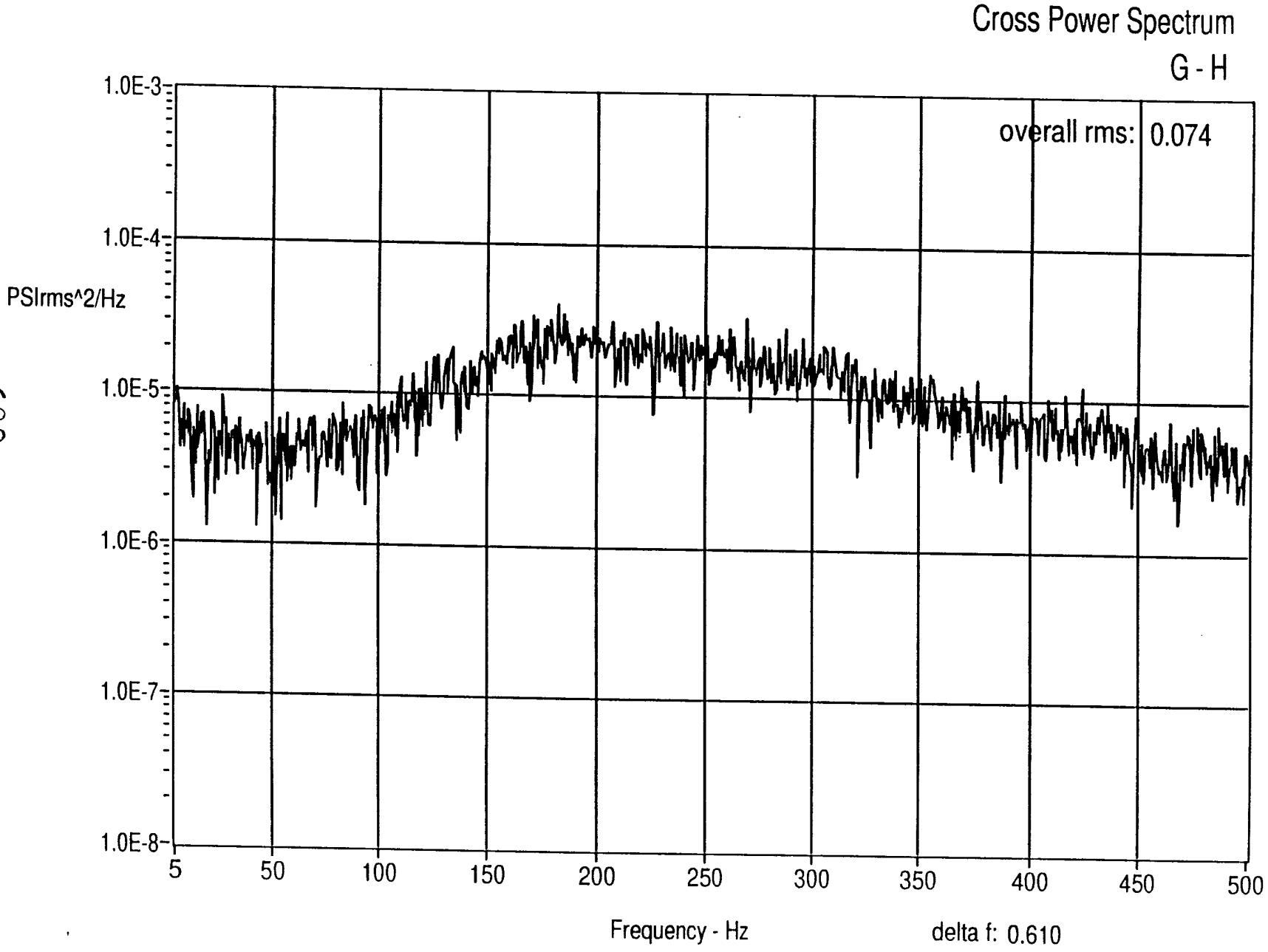
F-15 TPN_3351: alpha=8 beta=4 bp=45



F-15 TPN_3357: alpha=20 beta=4 bp=45

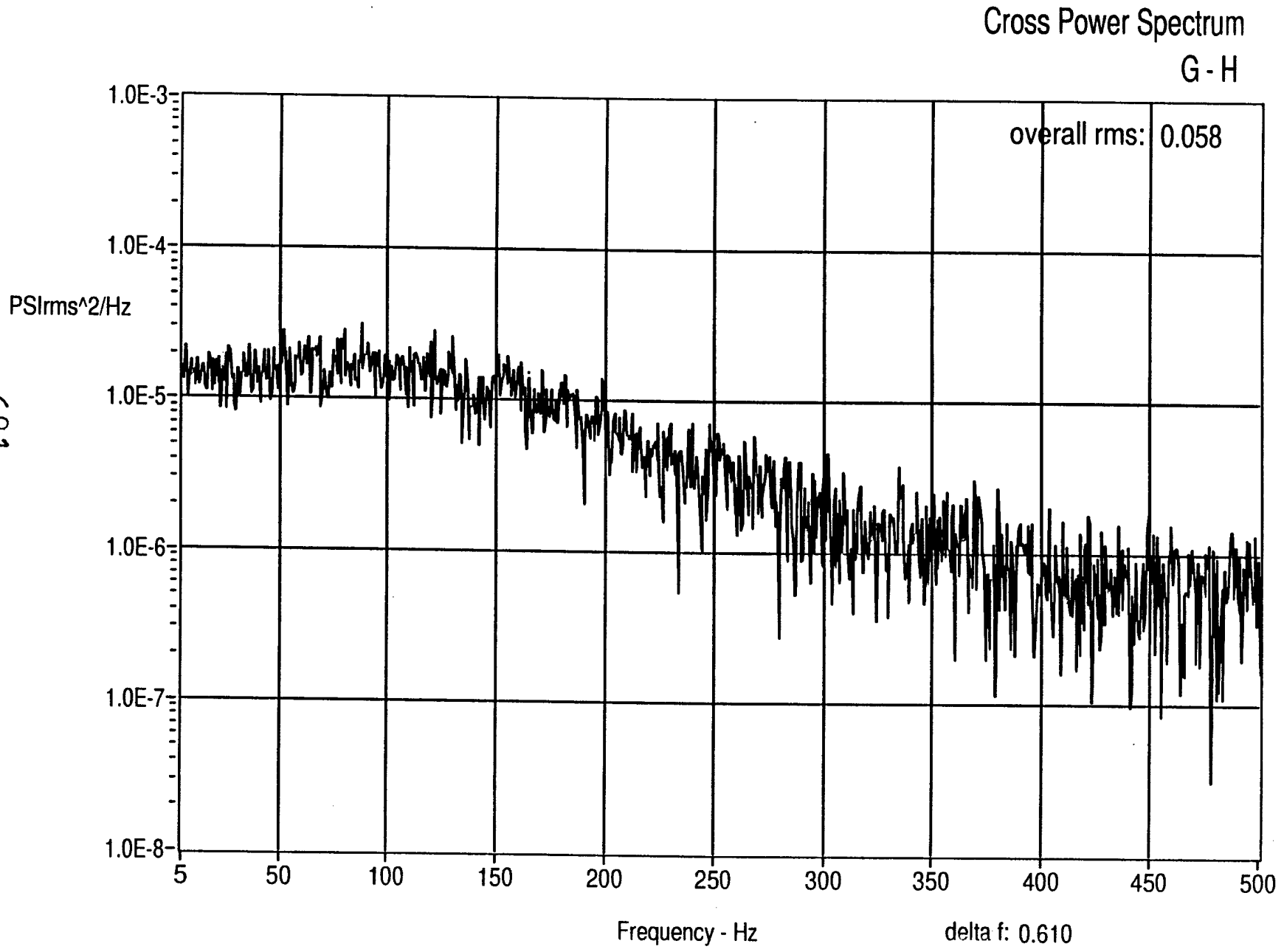


F-15 TPN_3359: alpha=24 beta=4 bp=45

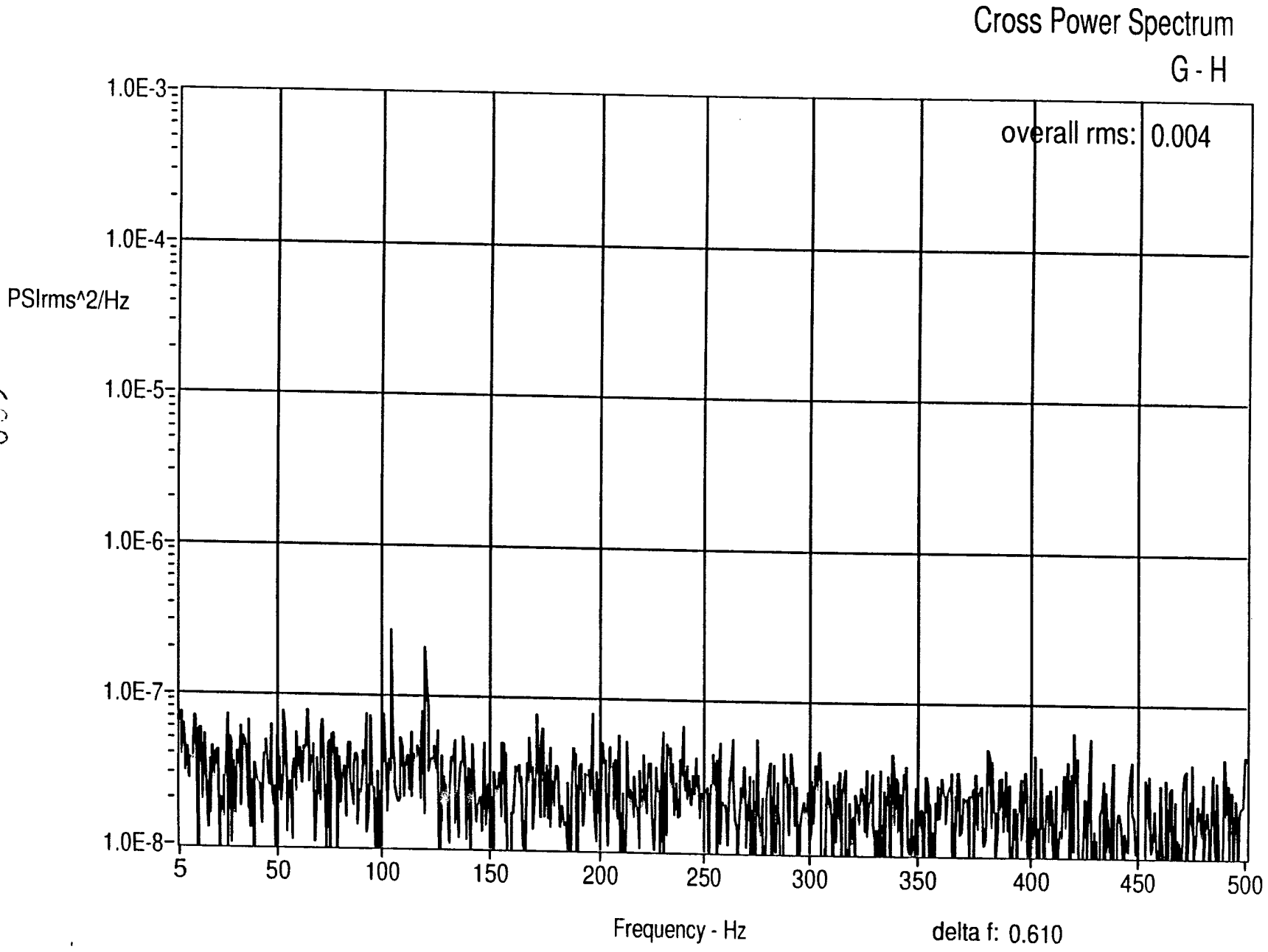


069

F-15 TPN_3361: alpha=32 beta=4 bp=45

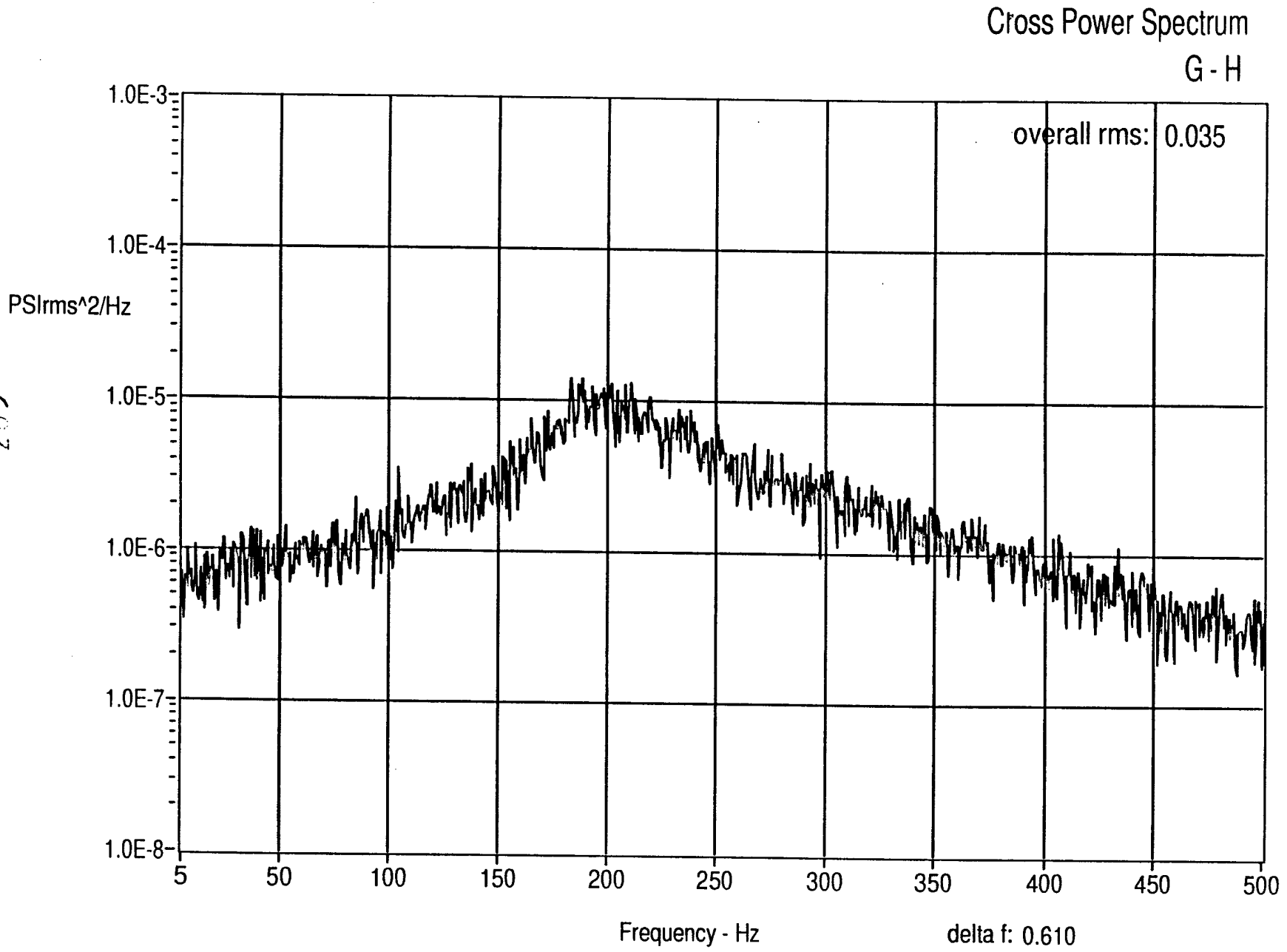


F-15 TPN_3333: alpha=8 beta=0 bp=45

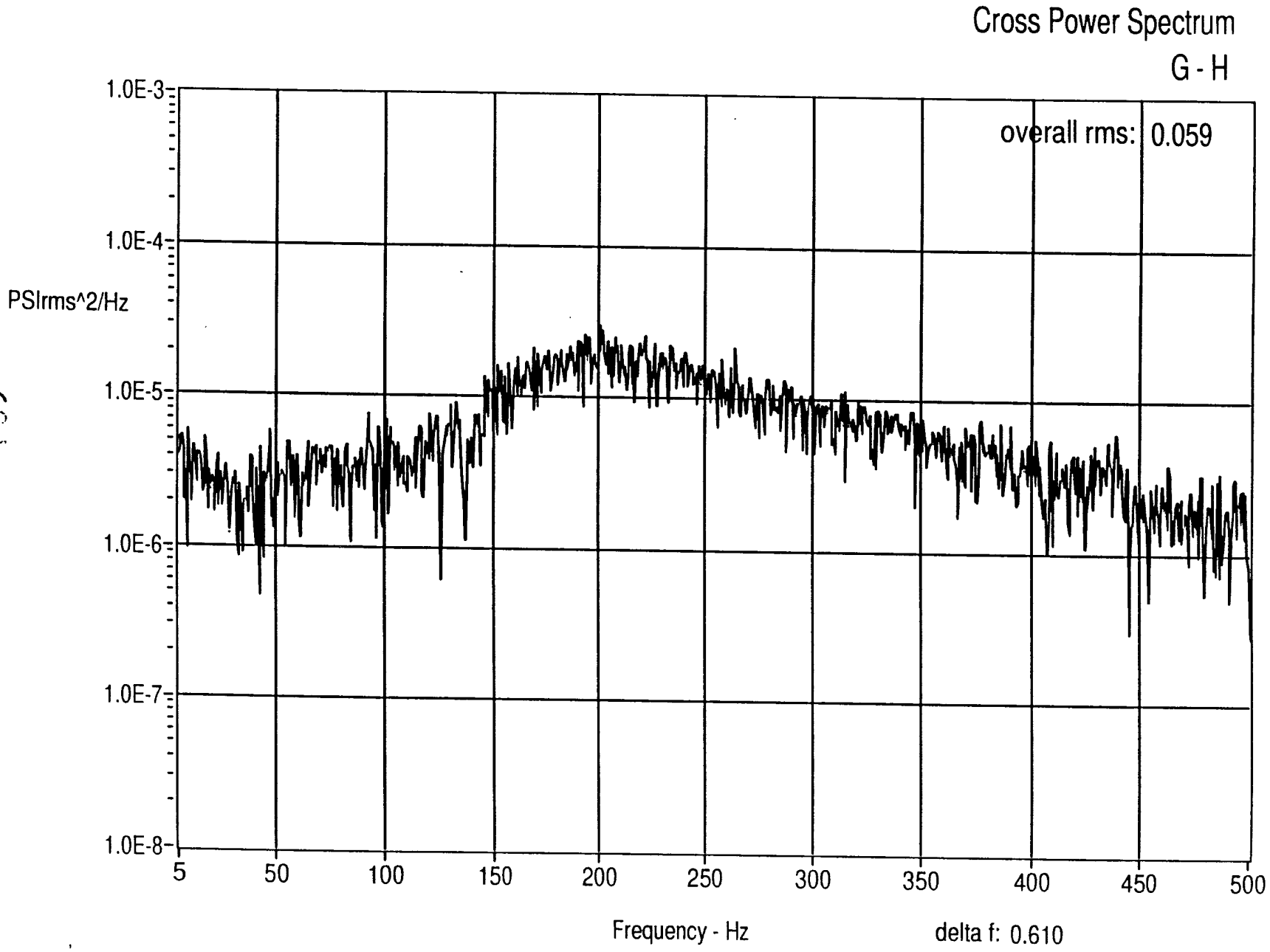


692

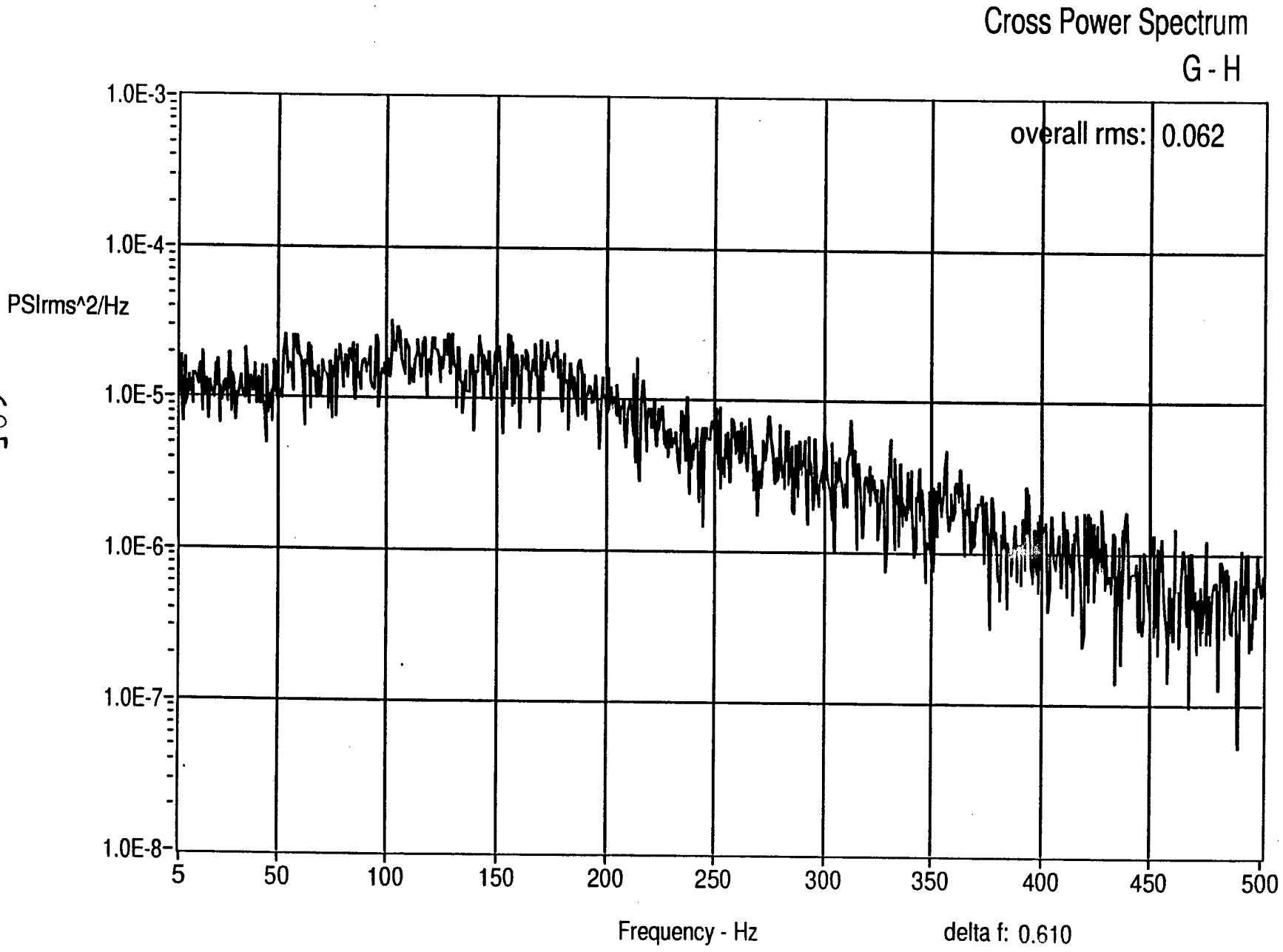
F-15 TPN_3339: alpha=20 beta=0 bp=45



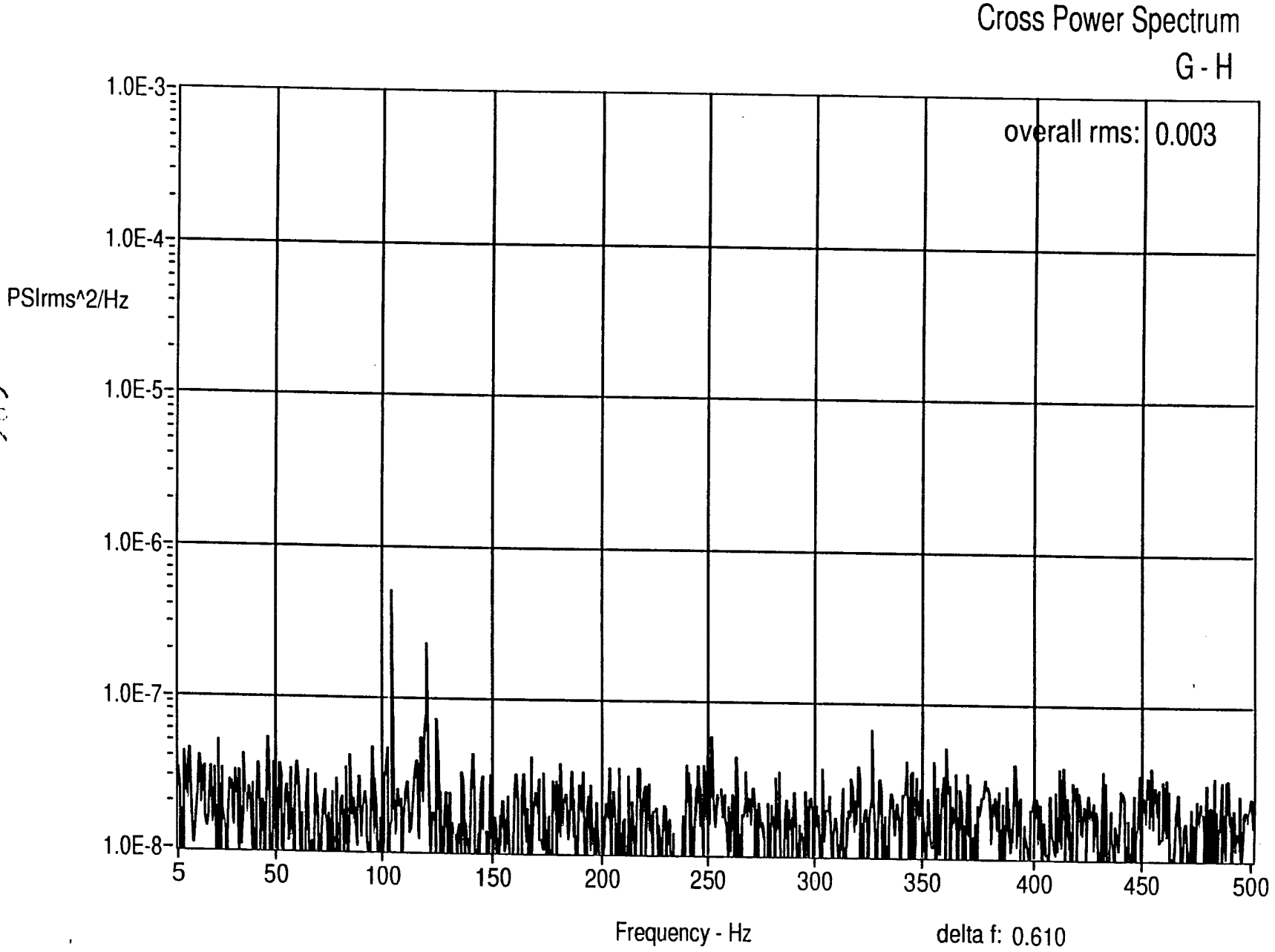
F-15 TPN_3341: alpha=24 beta=0 bp=45



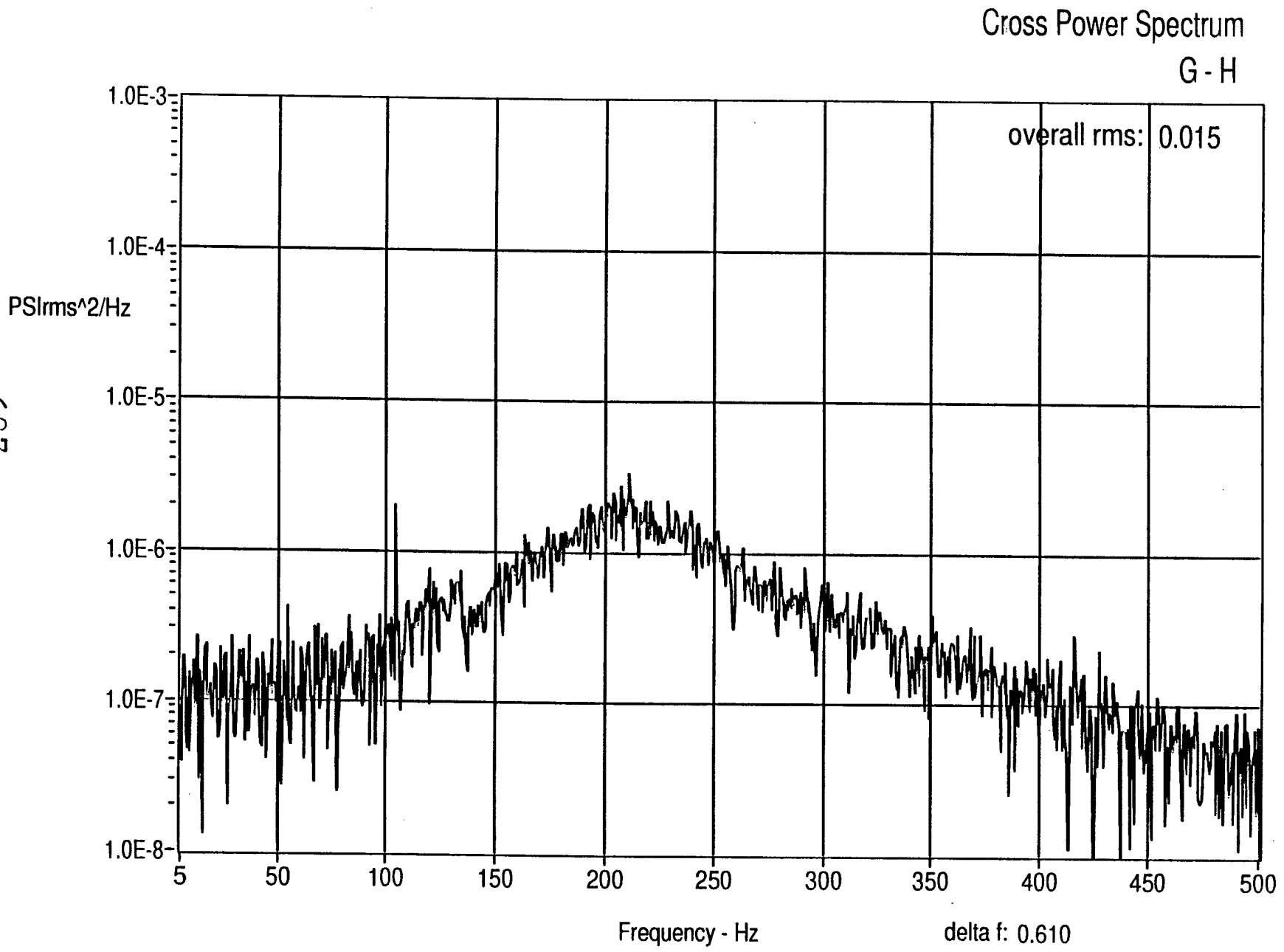
F-15 TPN_3343: alpha=32 beta=0 bp=45



F-15 TPN_3369: alpha=8 beta=-4 bp=45

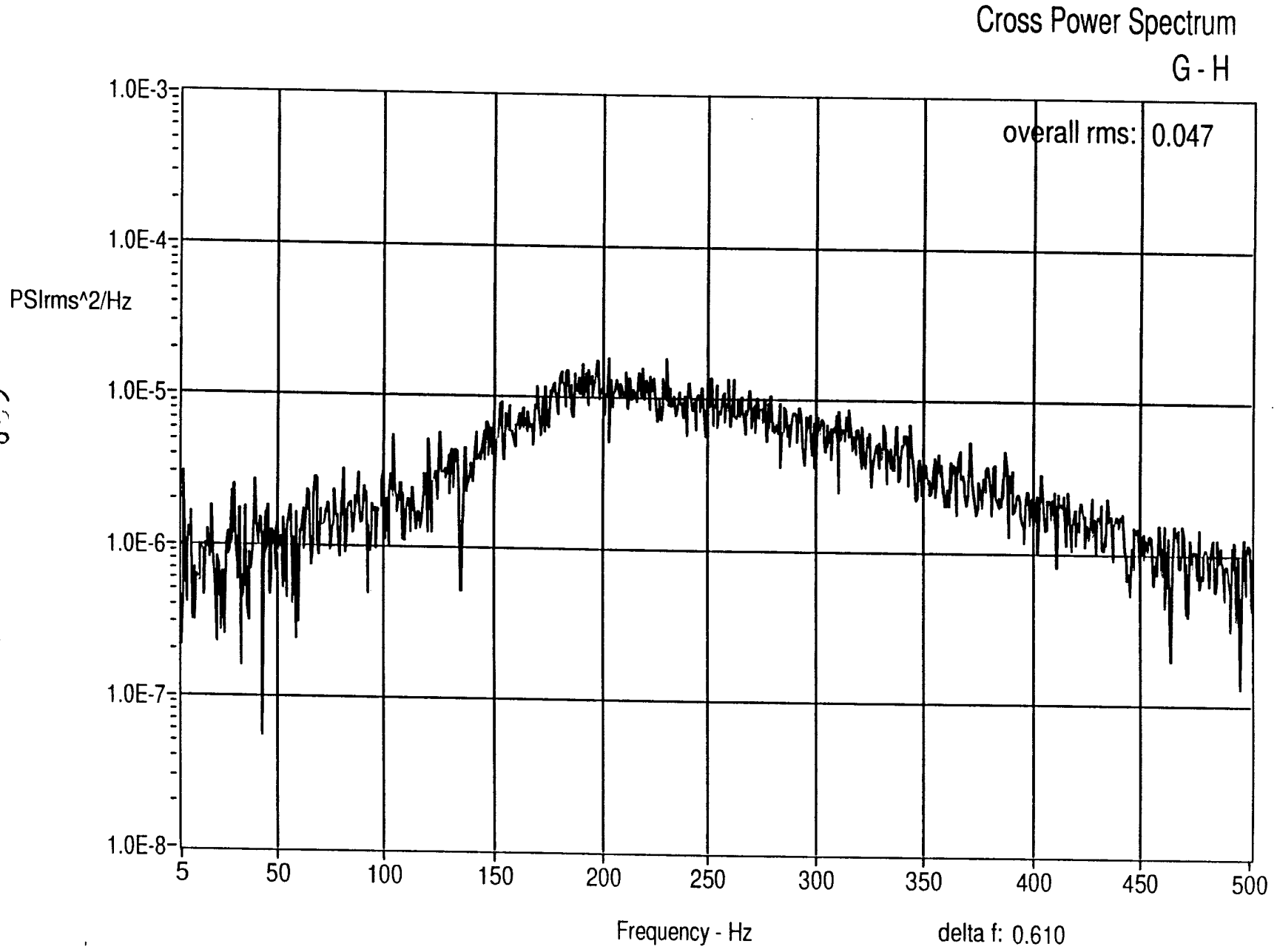


F-15 TPN_3375: alpha=20 beta=-4 bp=45



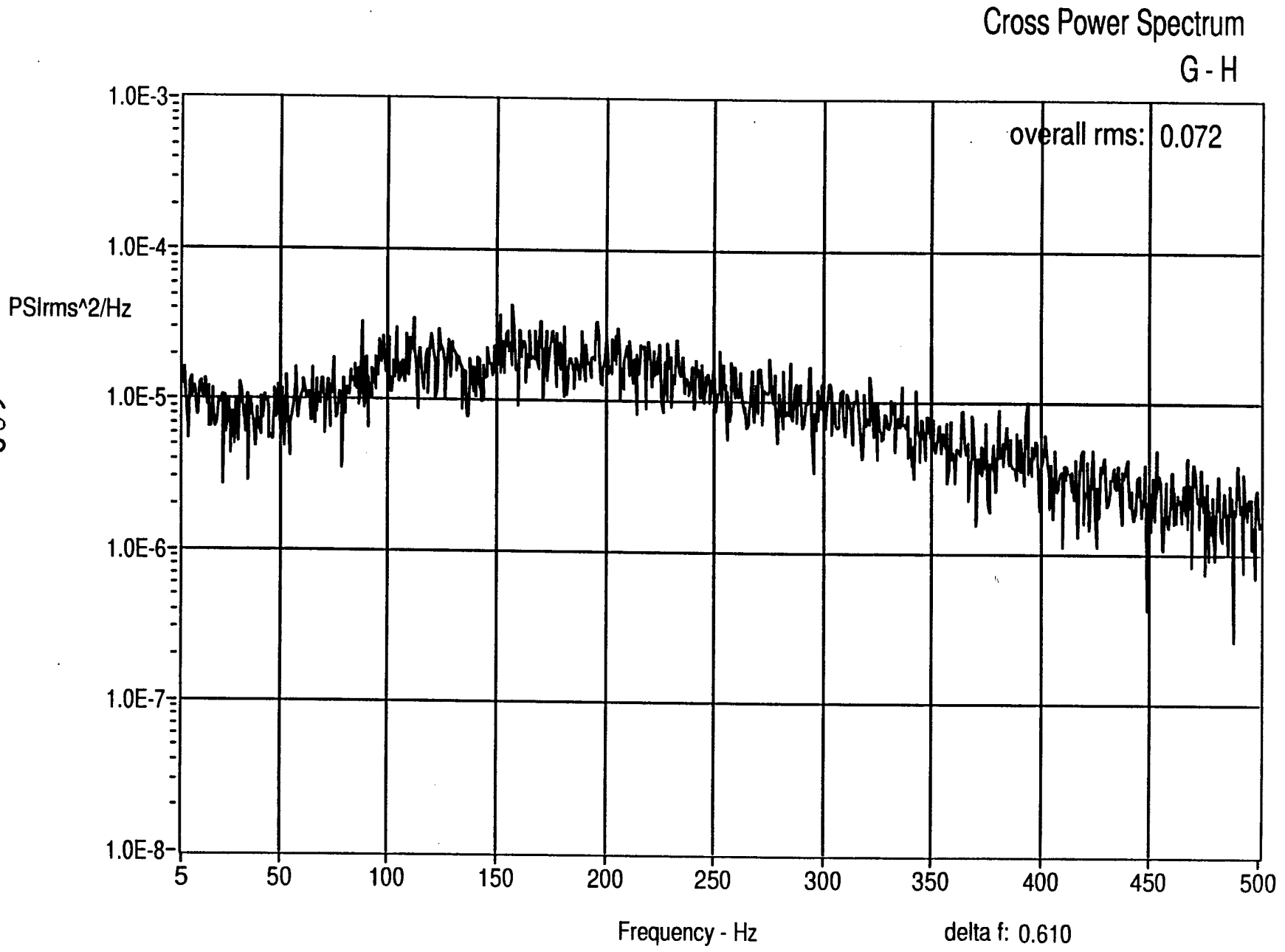
697

F-15 TPN_3377: alpha=24 beta=-4 bp=45



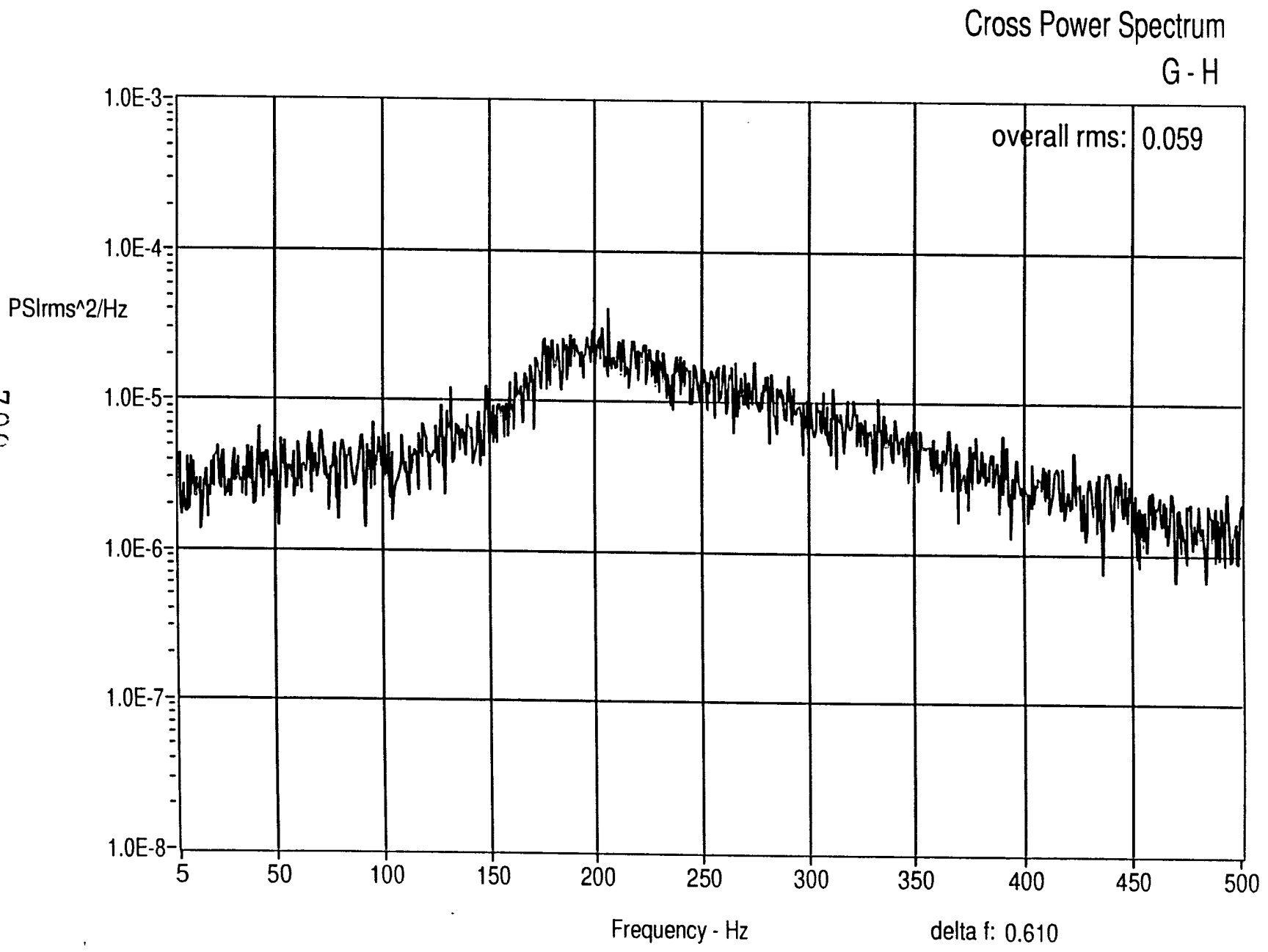
859

F-15 TPN_3379: alpha=32 beta=-4 bp=45



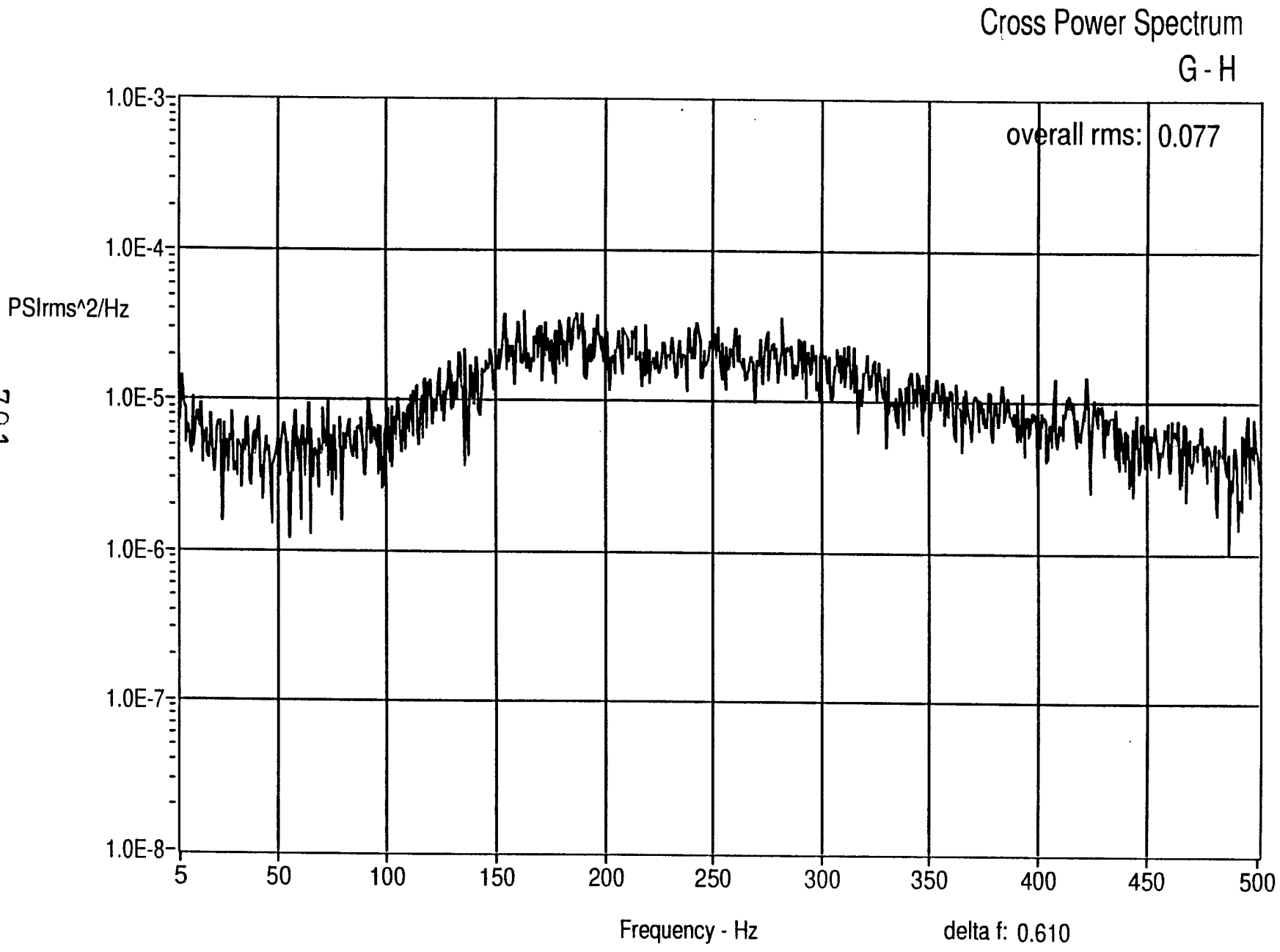
699

F-15 TPN_3046: alpha=20 beta=4 bp=65



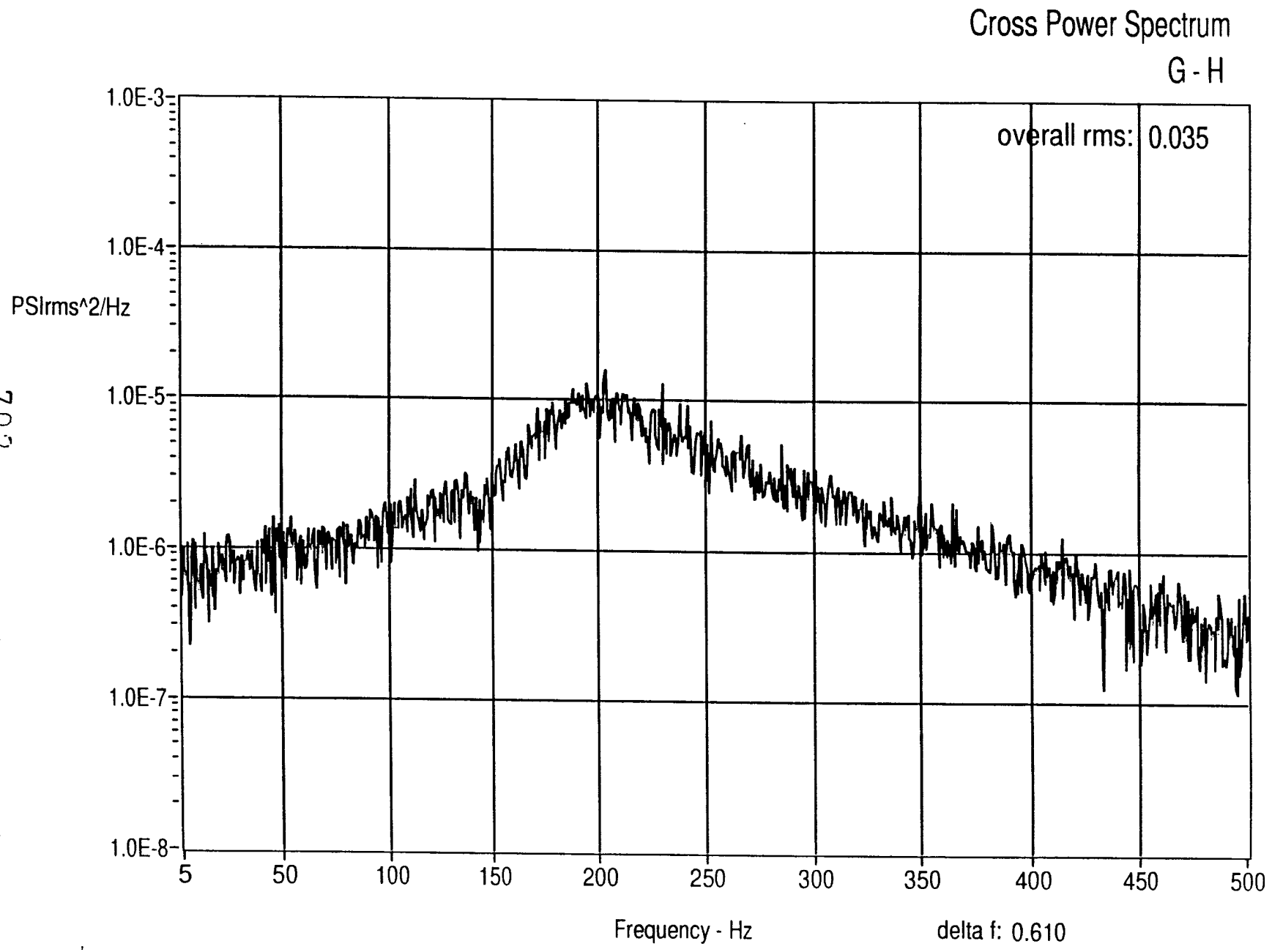
700

F-15 TPN_3048: alpha=24 beta=4 bp=65

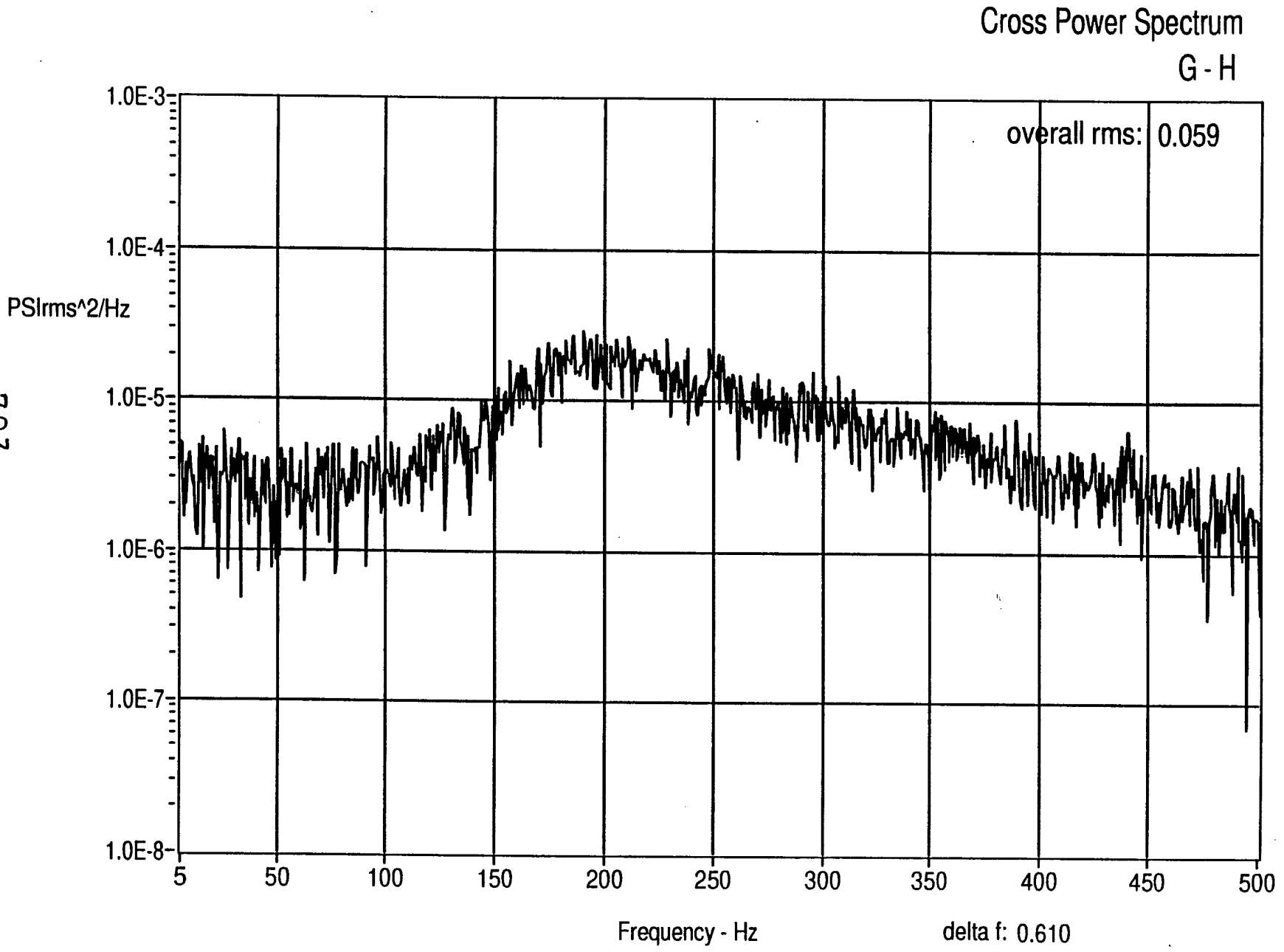


701

F-15 TPN_3040: alpha=20 beta=0 bp=65

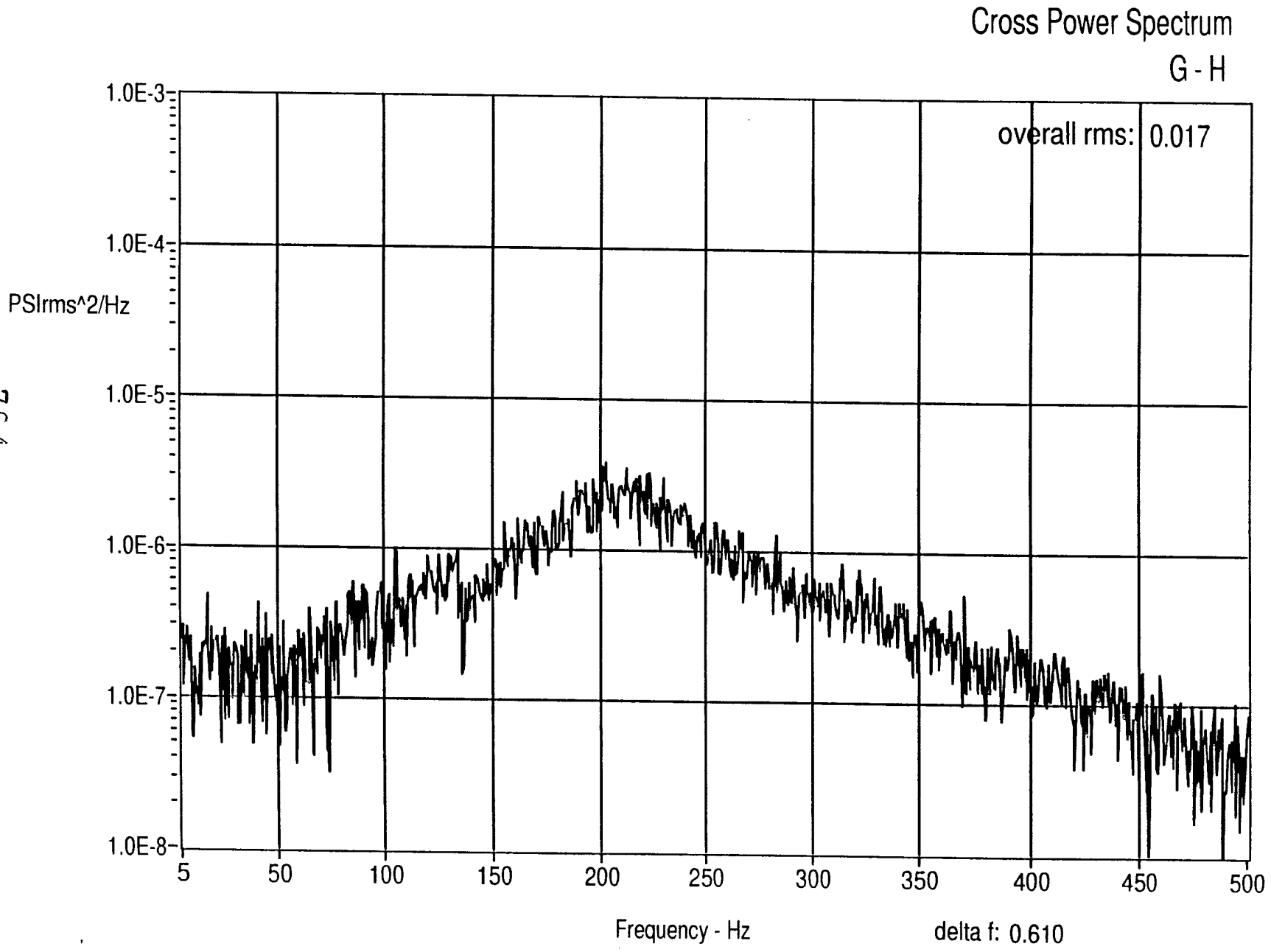


F-15 TPN_3042: alpha=24 beta=0 bp=65

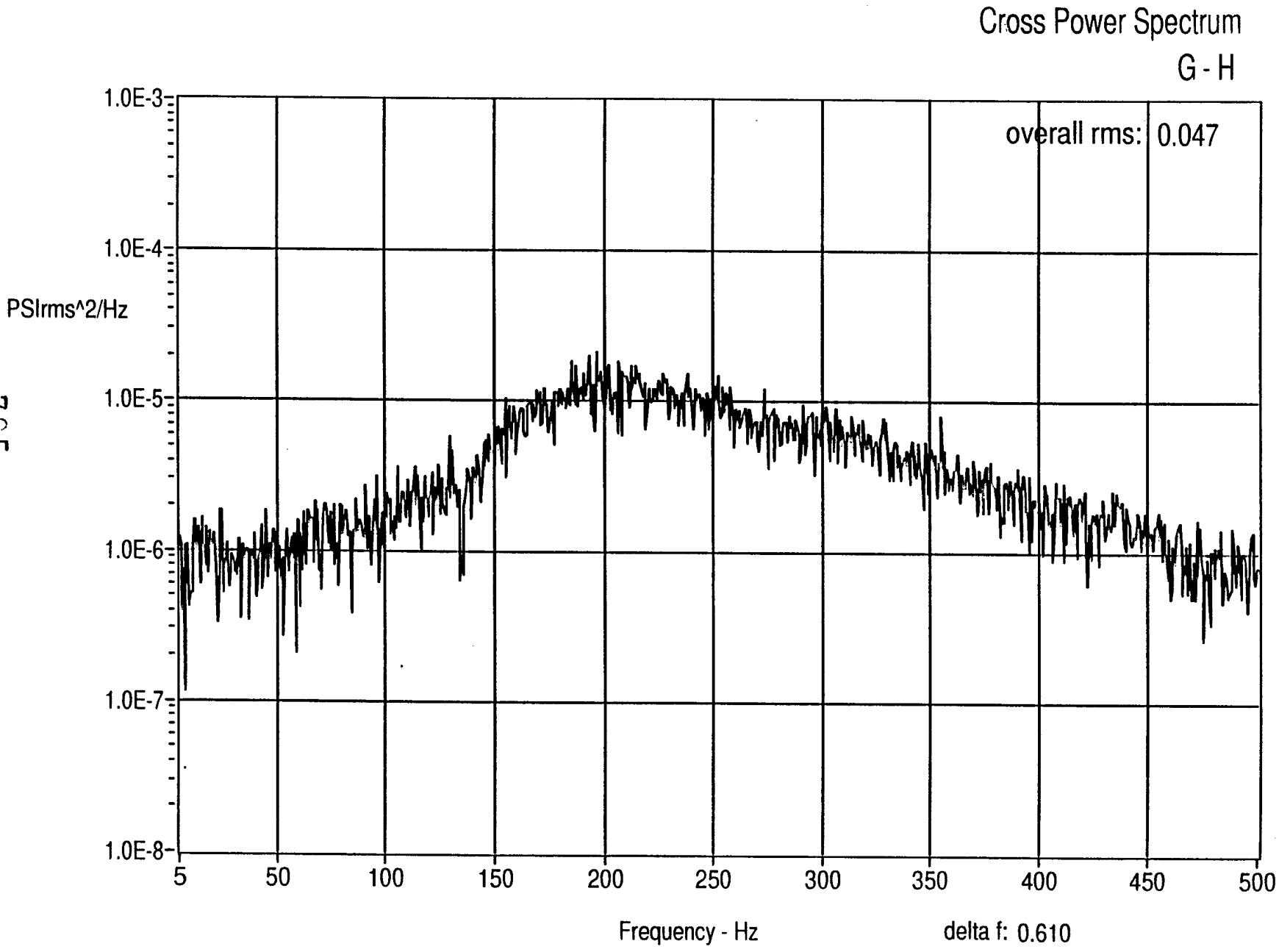


703

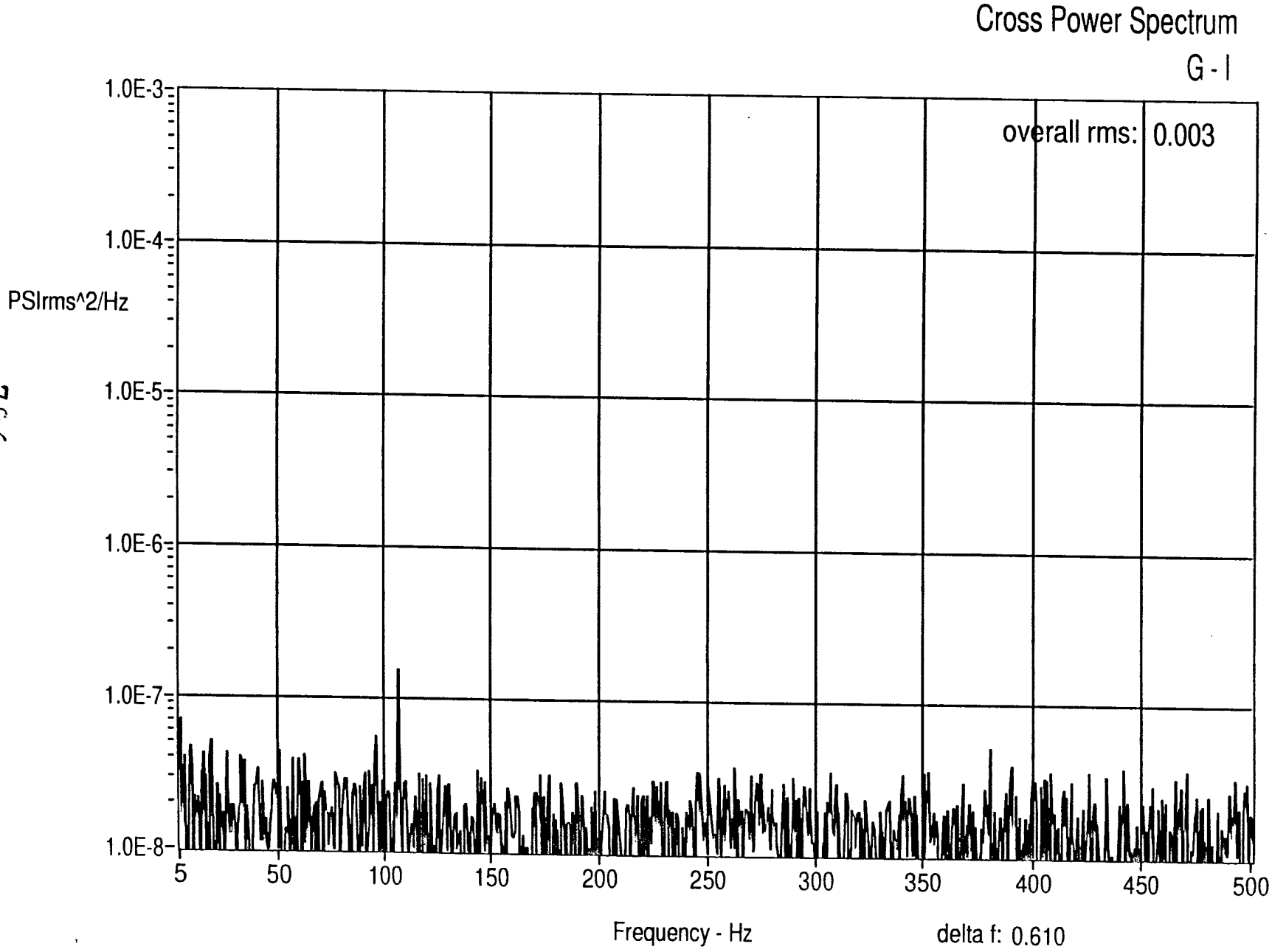
F-15 TPN_3034: alpha=20 beta=-4 bp=65



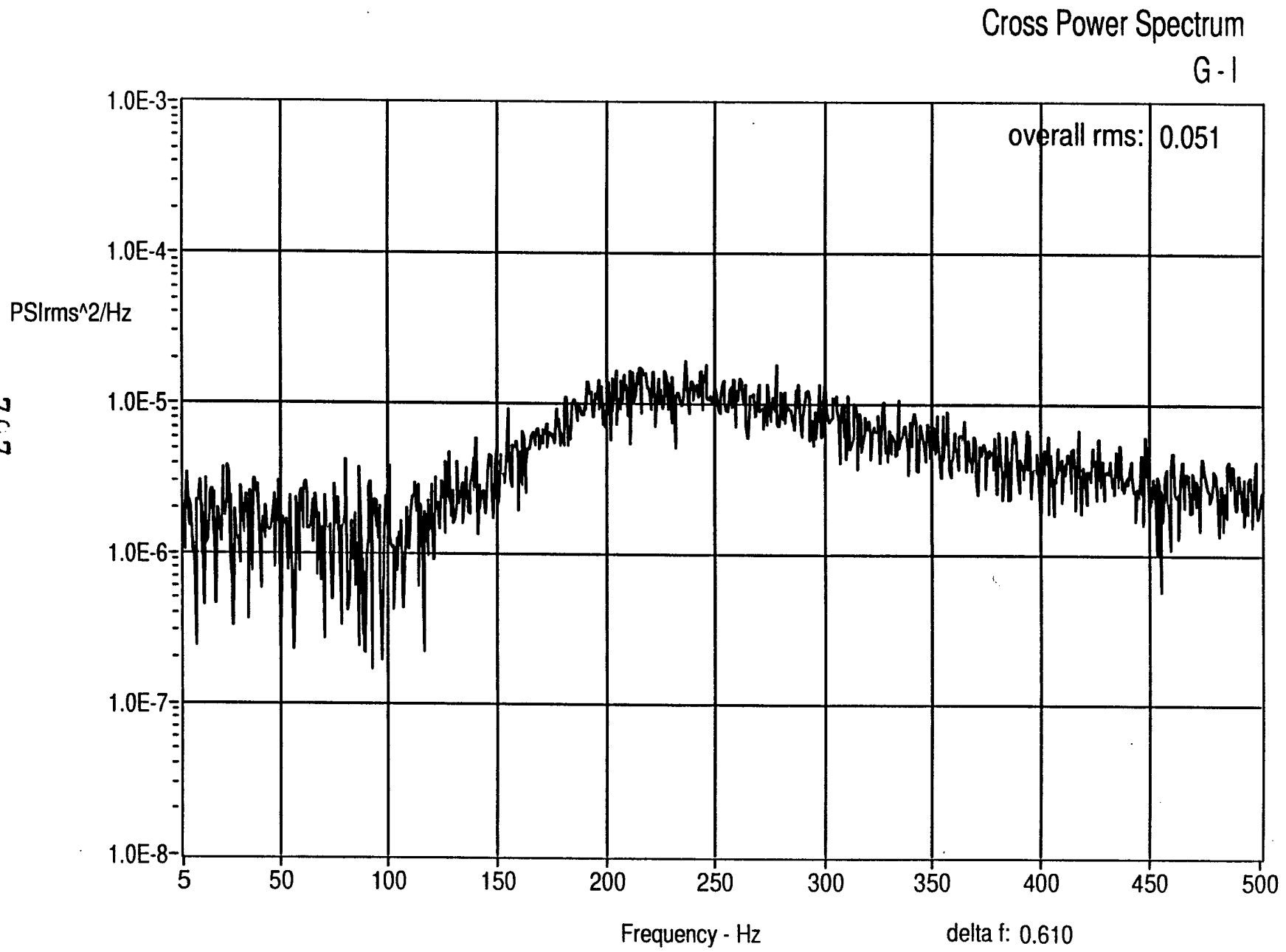
F-15 TPN_3036: alpha=24 beta=-4 bp=65



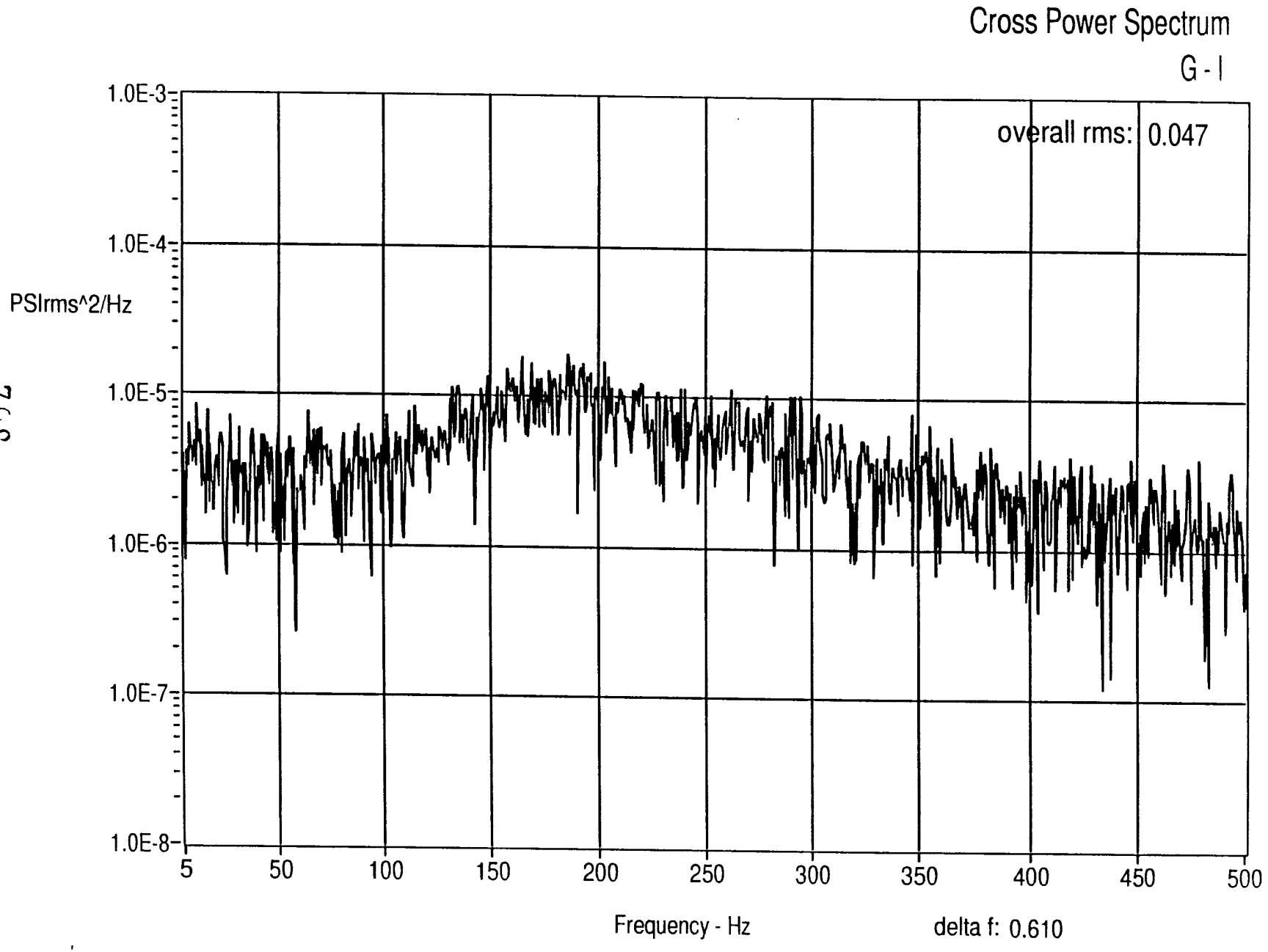
F-15 TPN_2918: alpha=8 beta=4 bp=0



F-15 TPN_2924: alpha=20 beta=4 bp=0

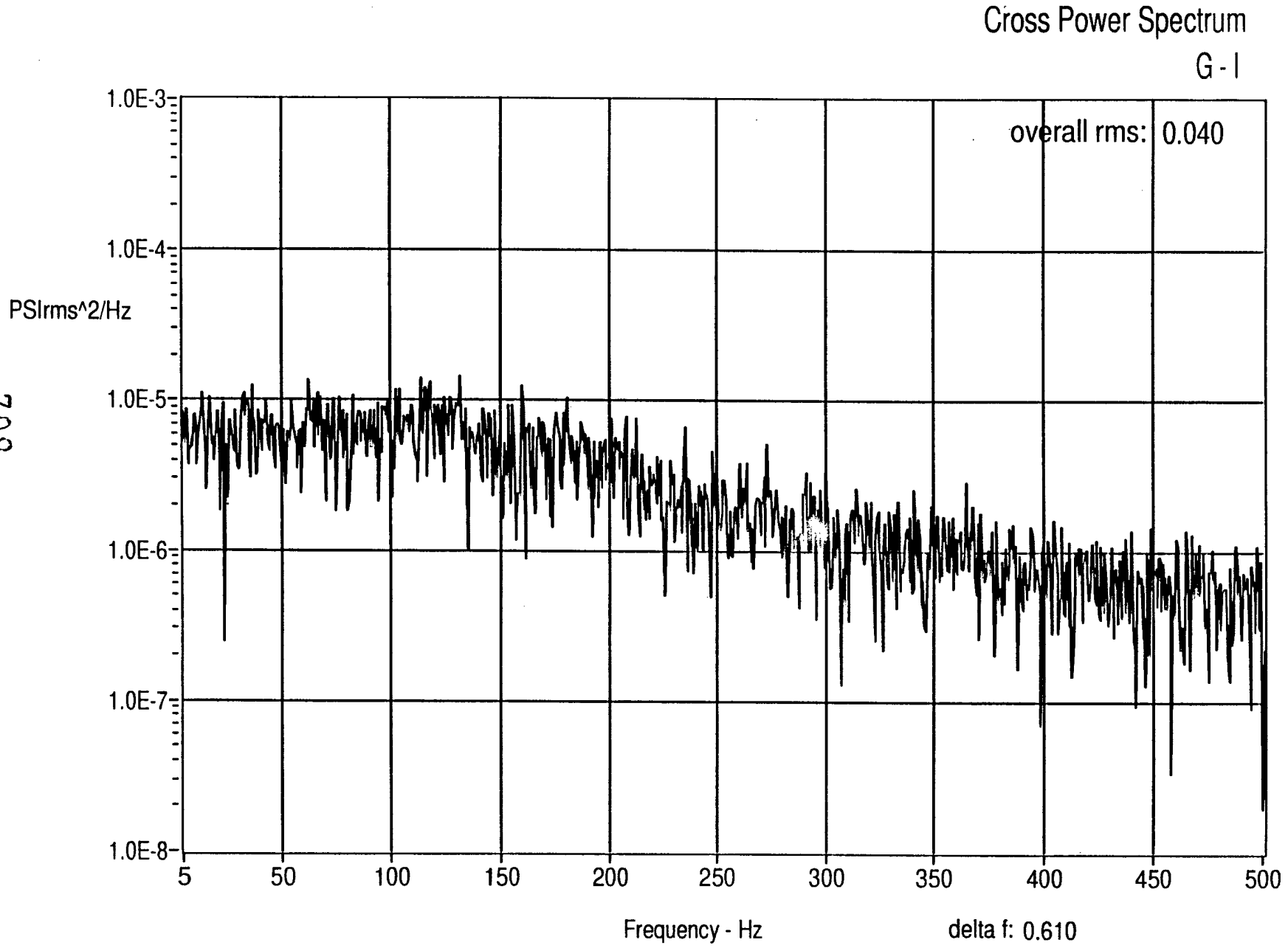


F-15 TPN_2926: alpha=24 beta=4 bp=0

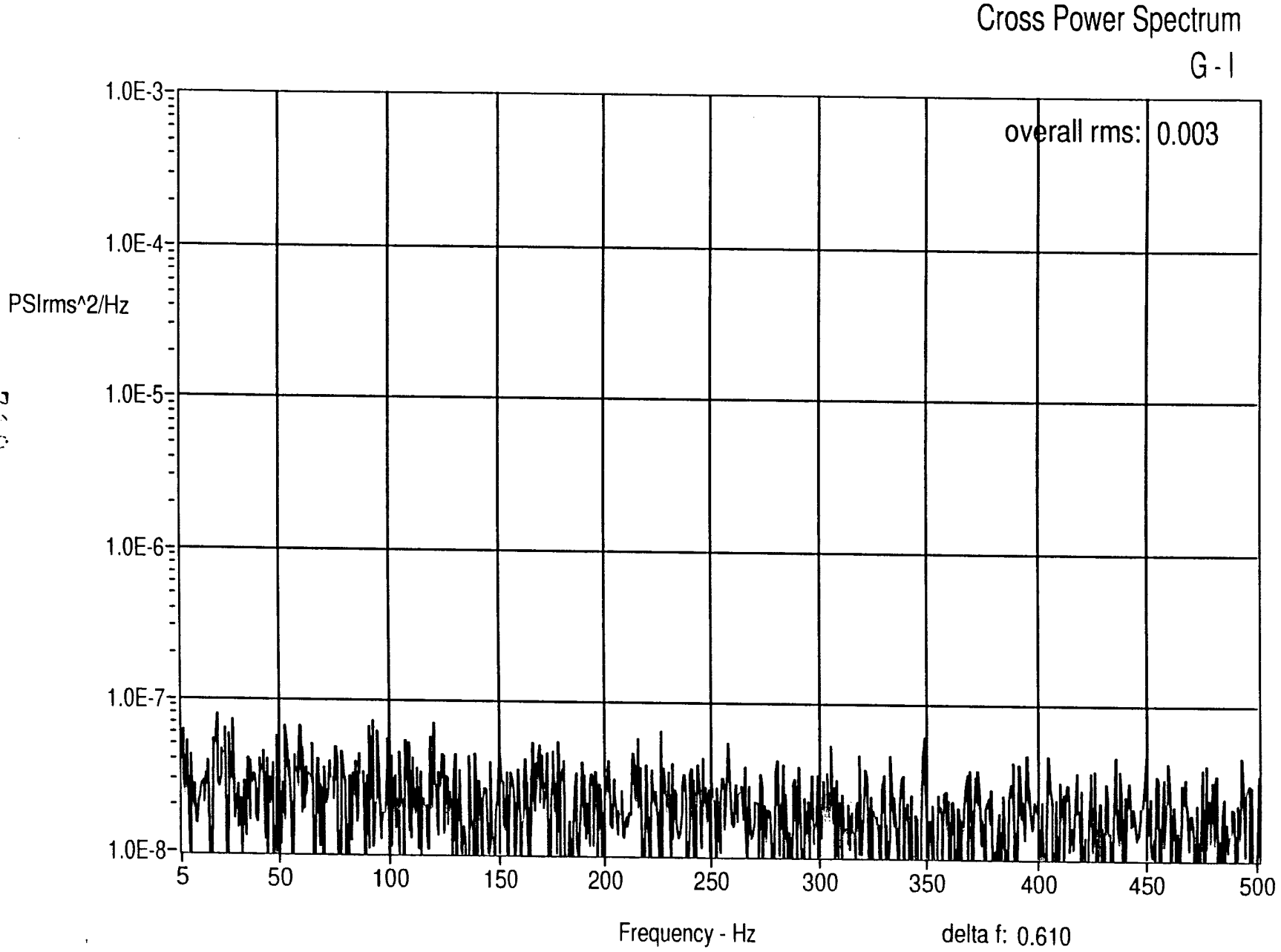


708

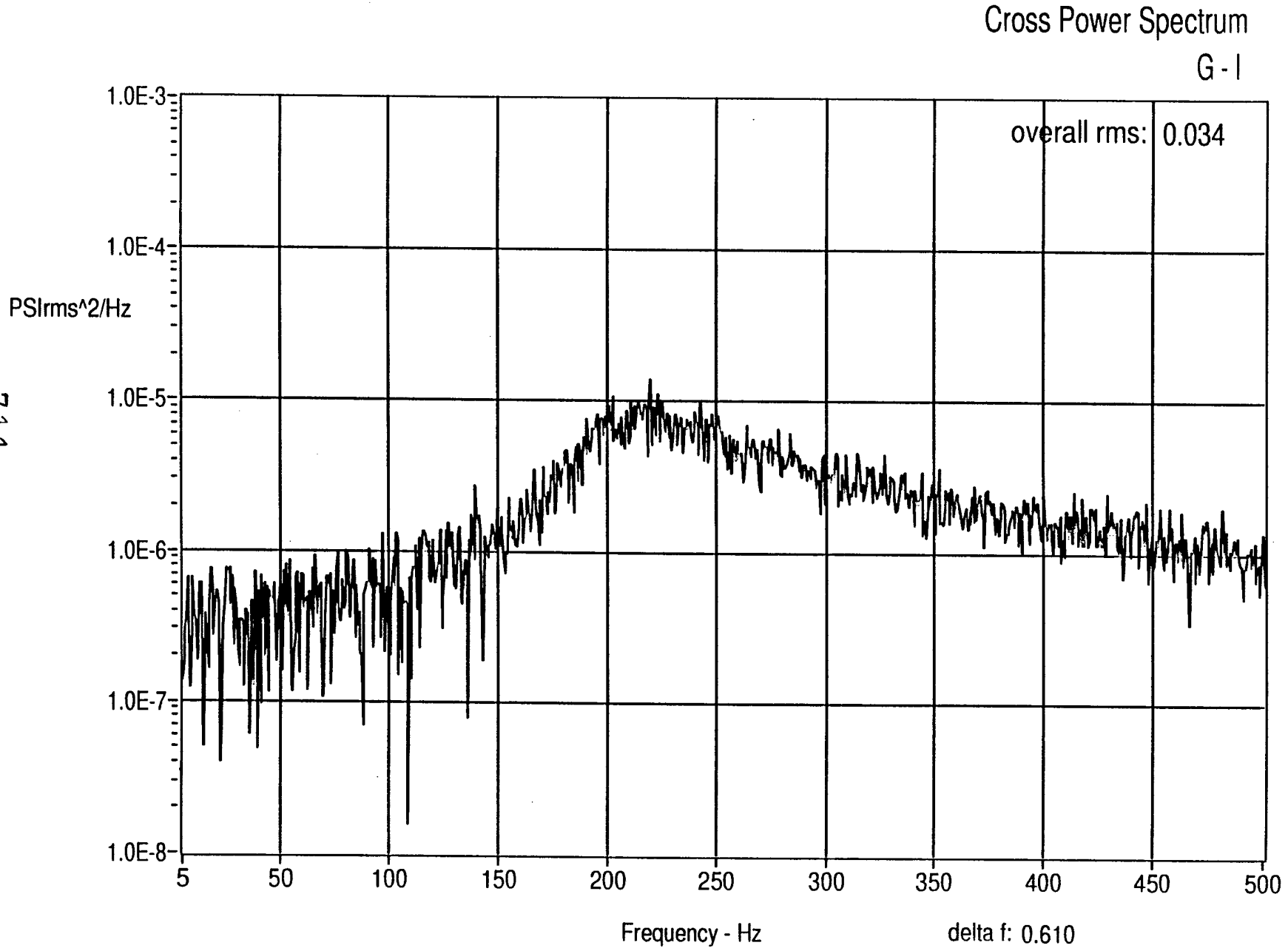
F-15 TPN_2928: alpha=32 beta=4 bp=0



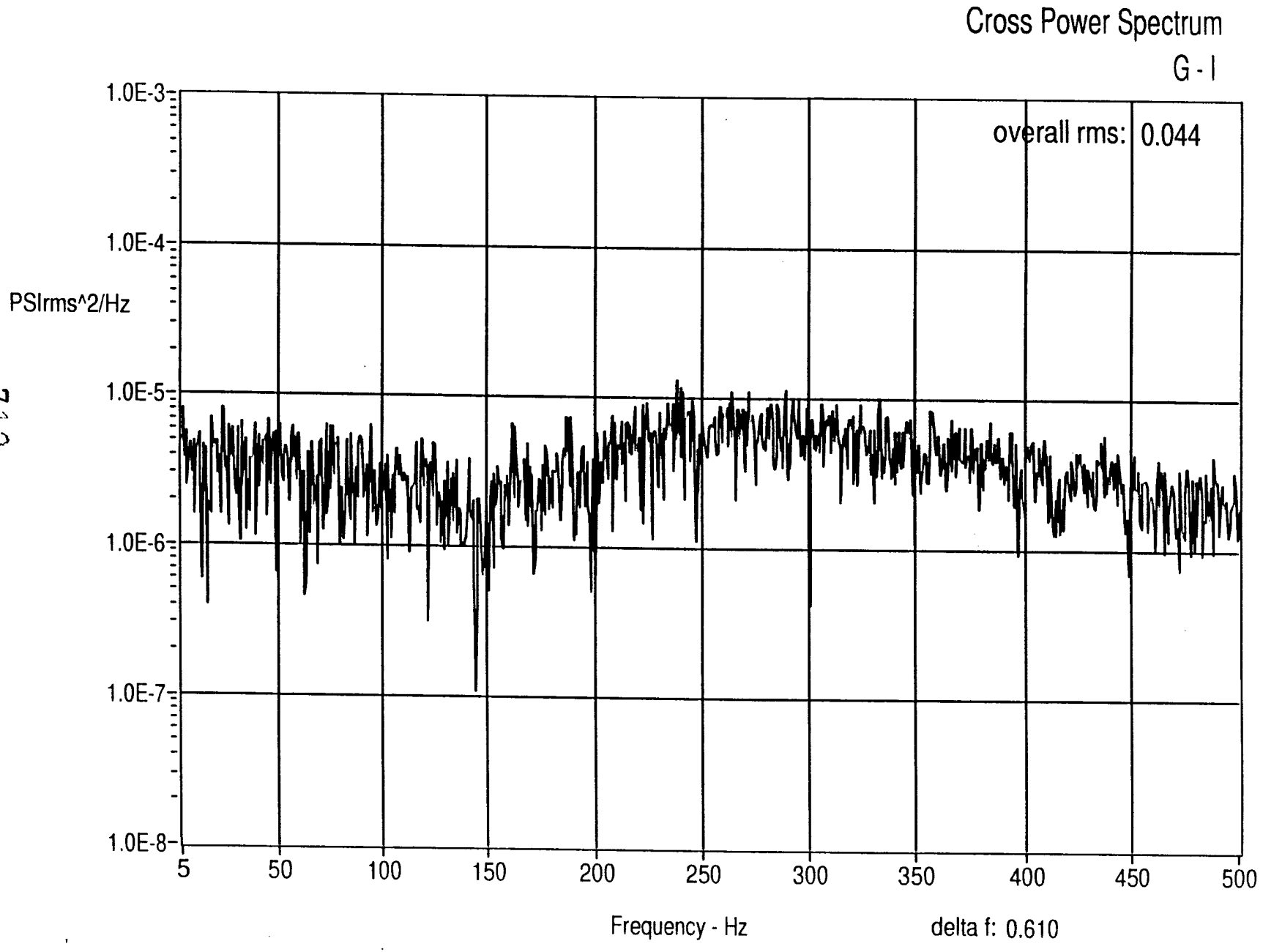
F-15 TPN_2844: alpha=8 beta=0 bp=0



F-15 TPN_2850: alpha=20 beta=0 bp=0

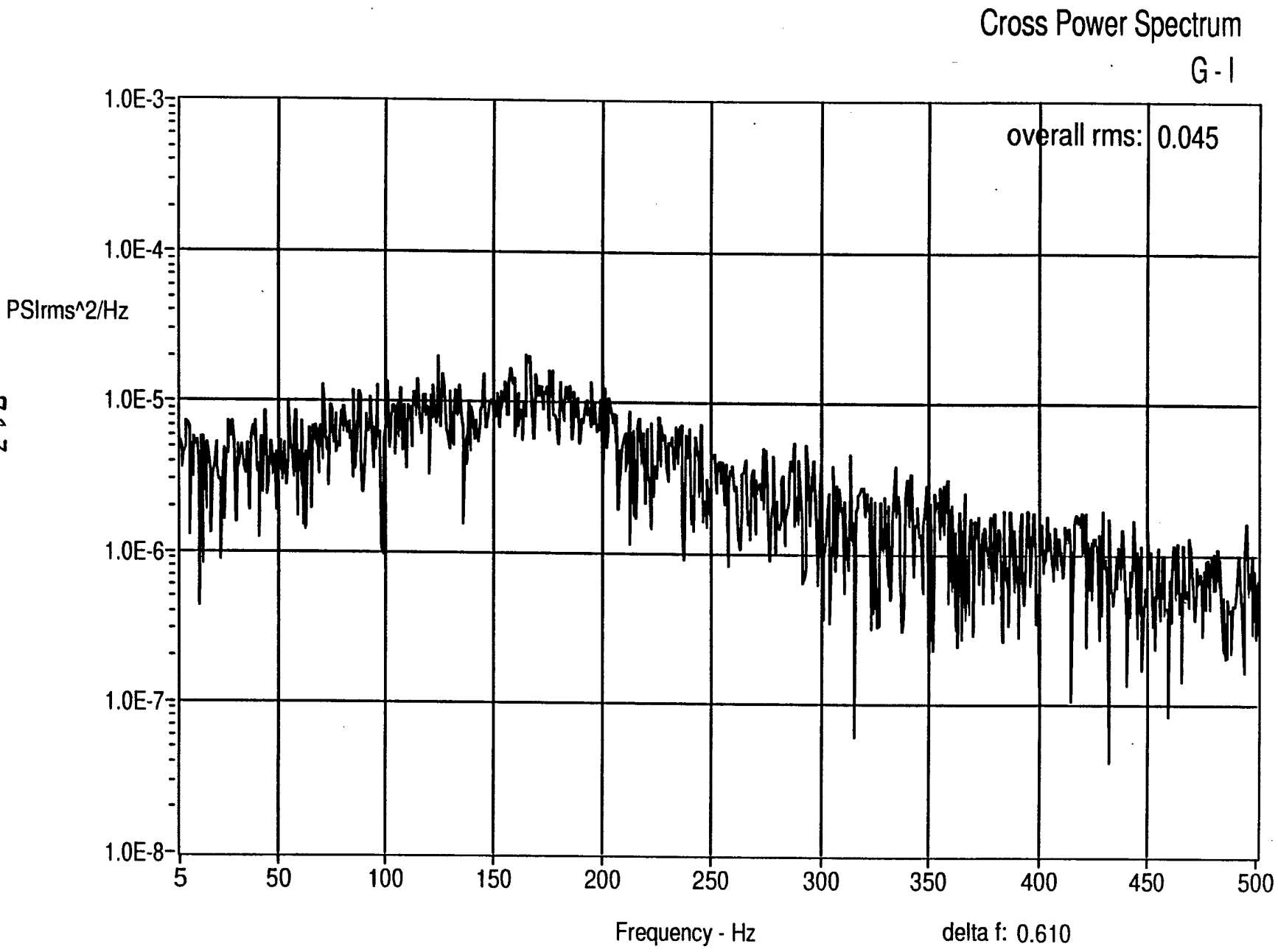


F-15 TPN_2852: alpha=24 beta=0 bp=0

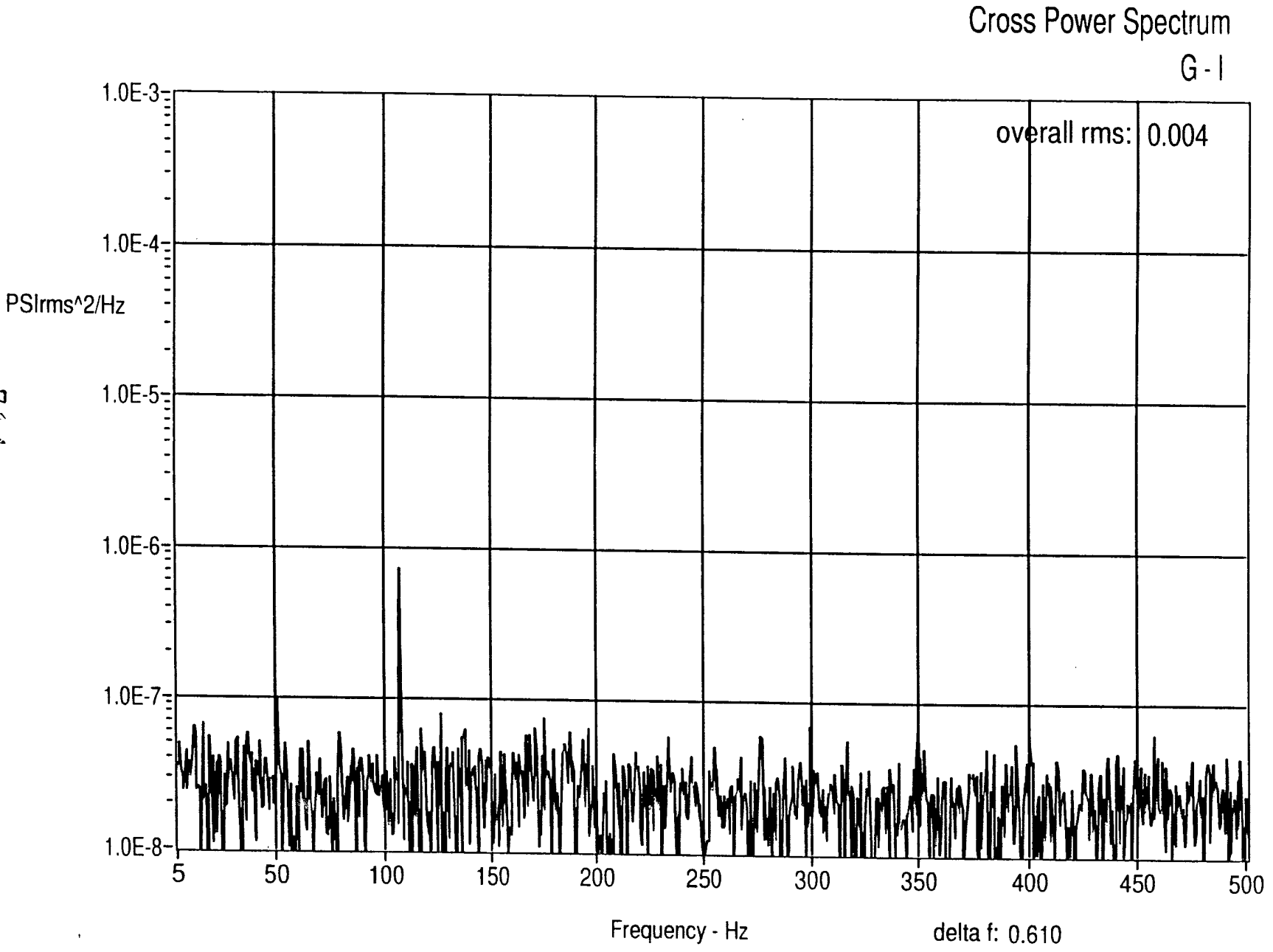


712

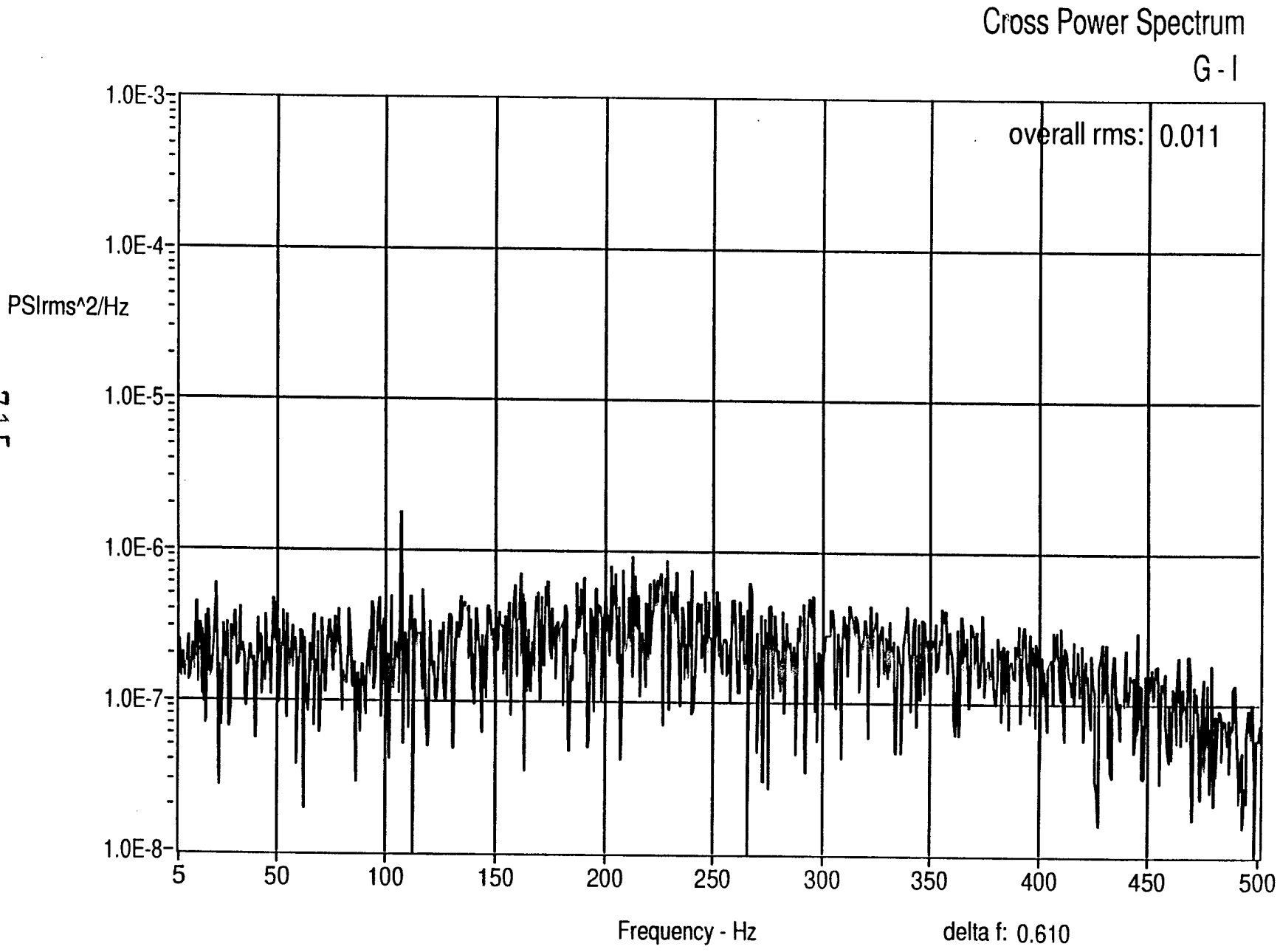
F-15 TPN_2854: alpha=32 beta=0 bp=0



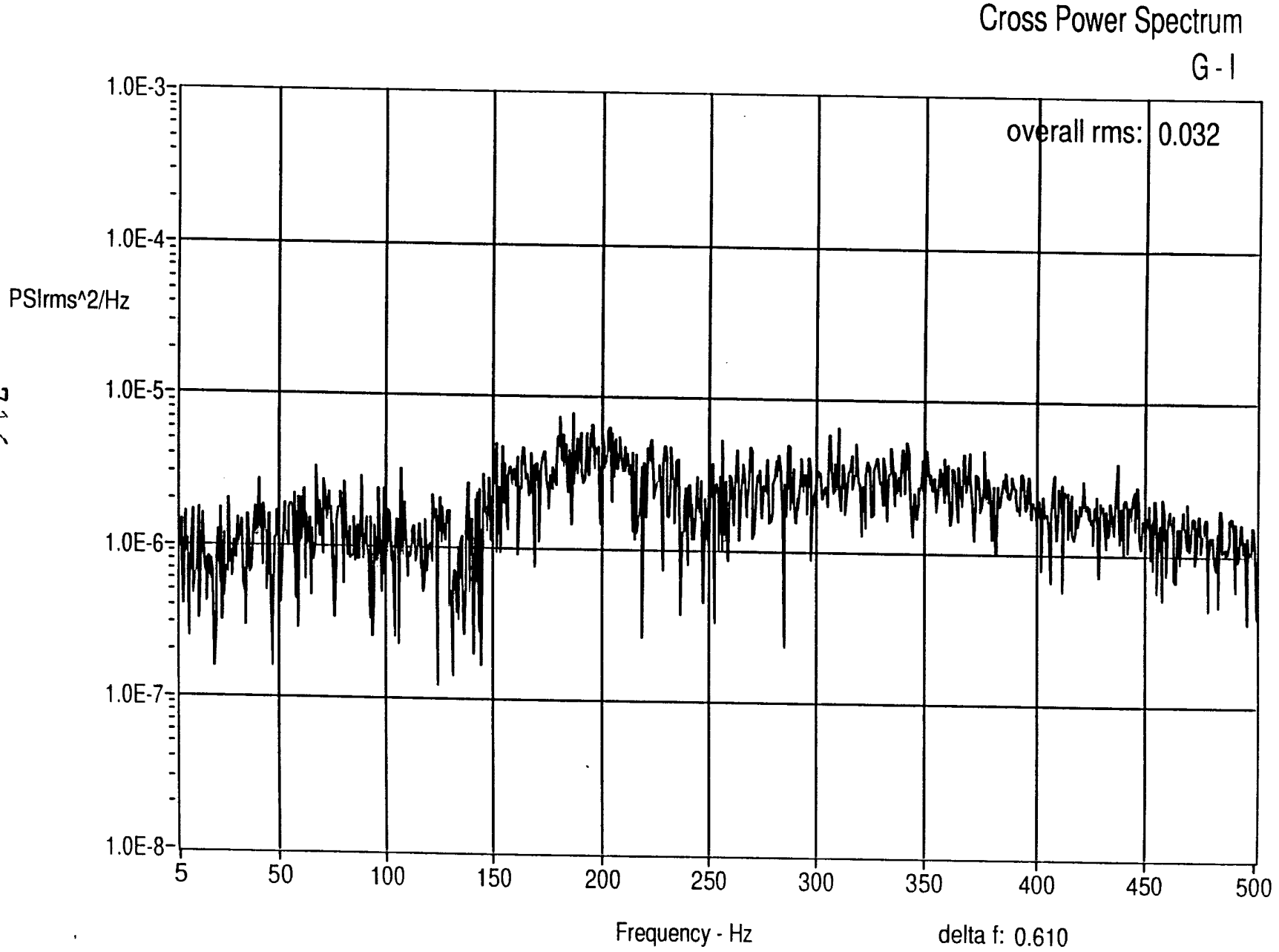
F-15 TPN_2864: alpha=8 beta=-4 bp=0



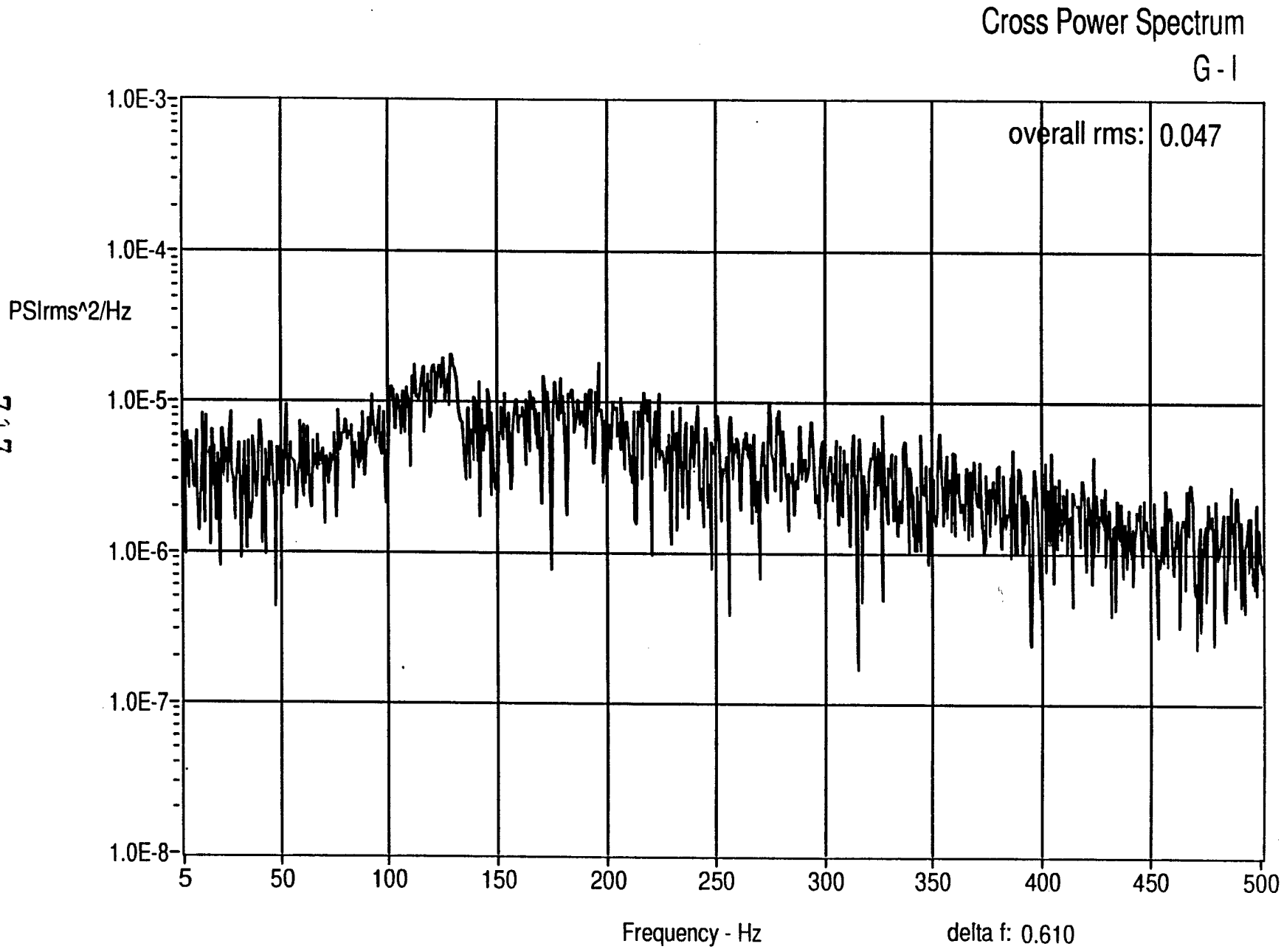
F-15 TPN_2870: alpha=20 beta=-4 bp=0



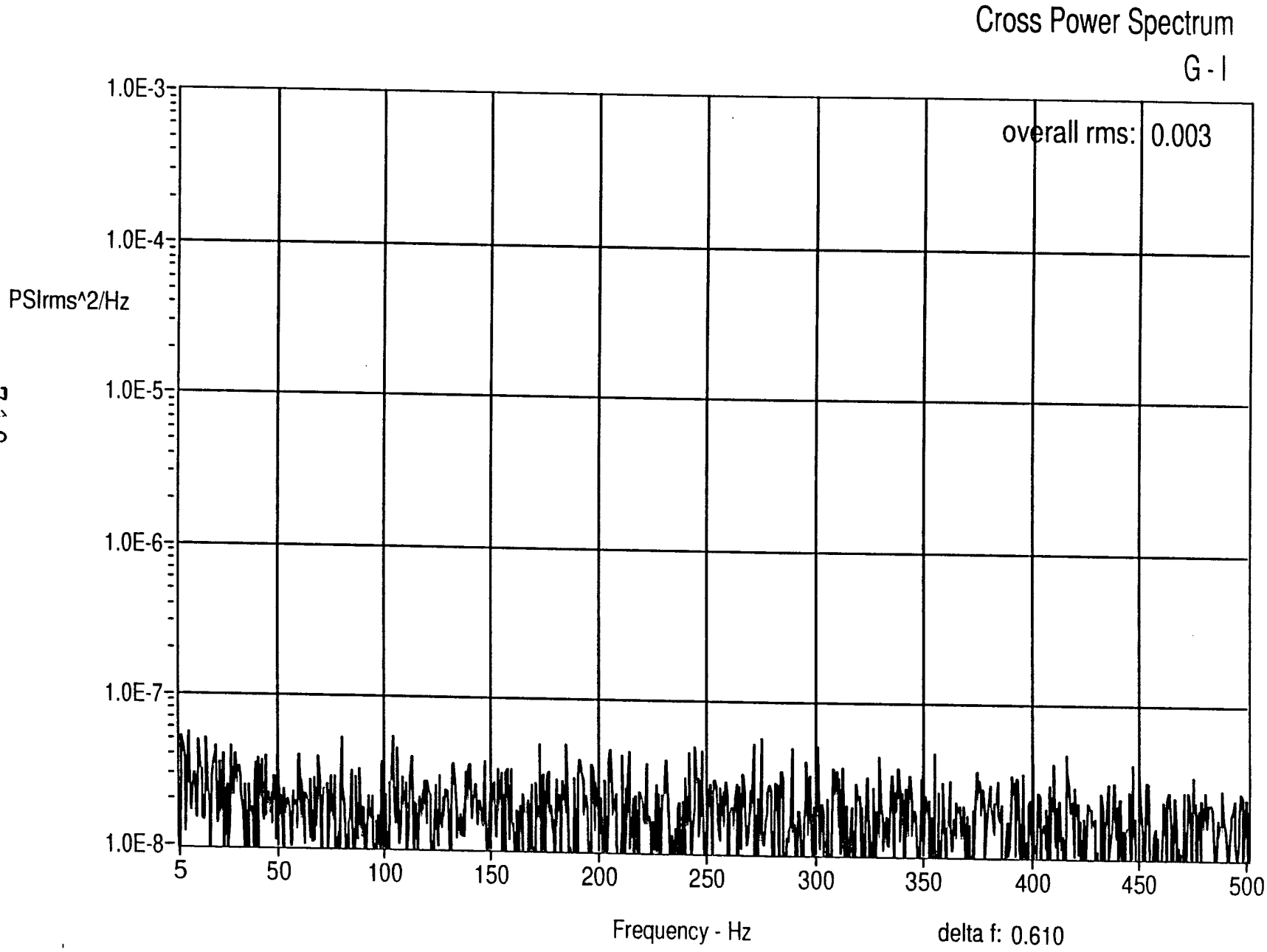
F-15 TPN_2872: alpha=24 beta=-4 bp=0



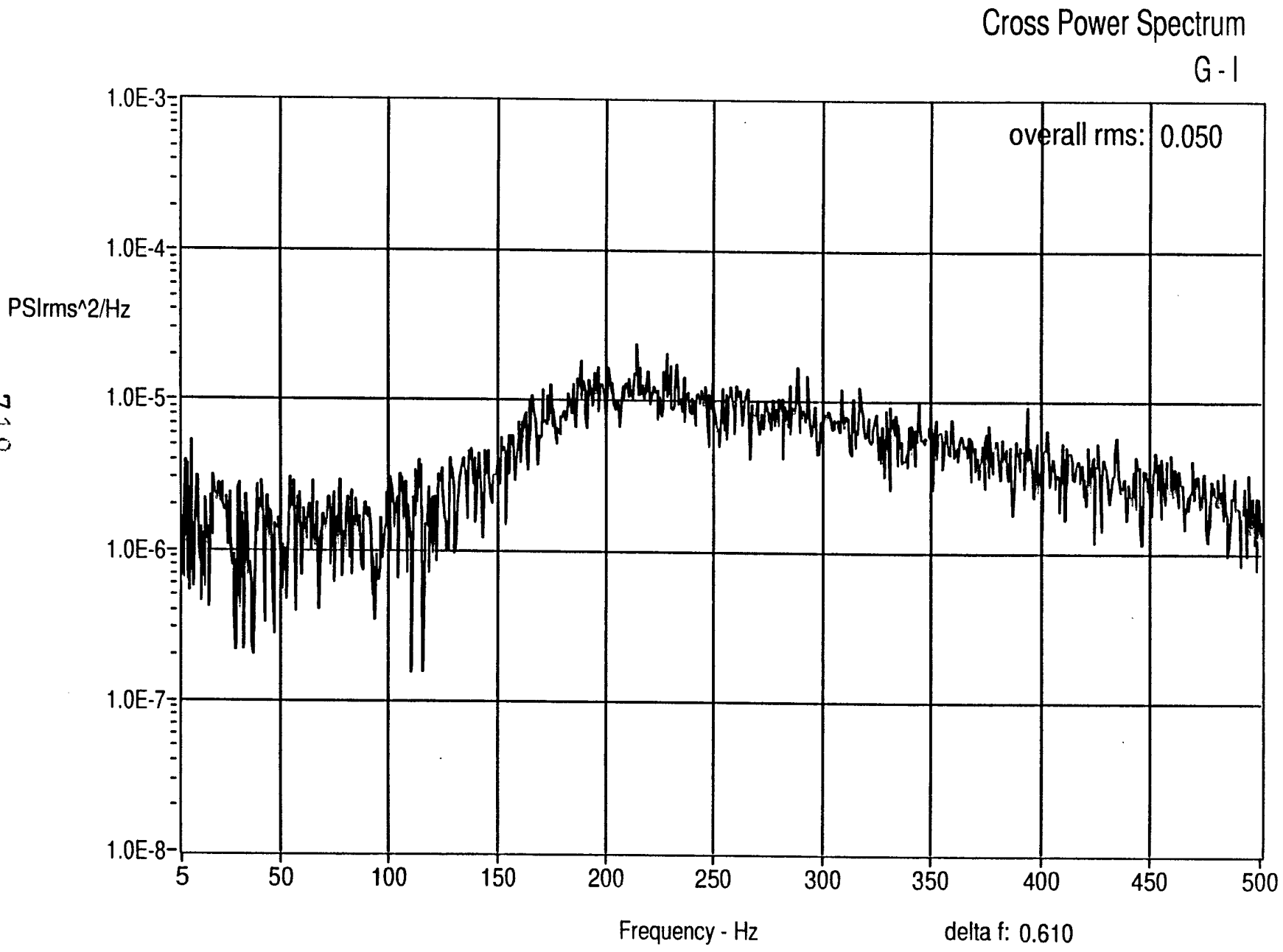
F-15 TPN_2874: alpha=32 beta=-4 bp=0



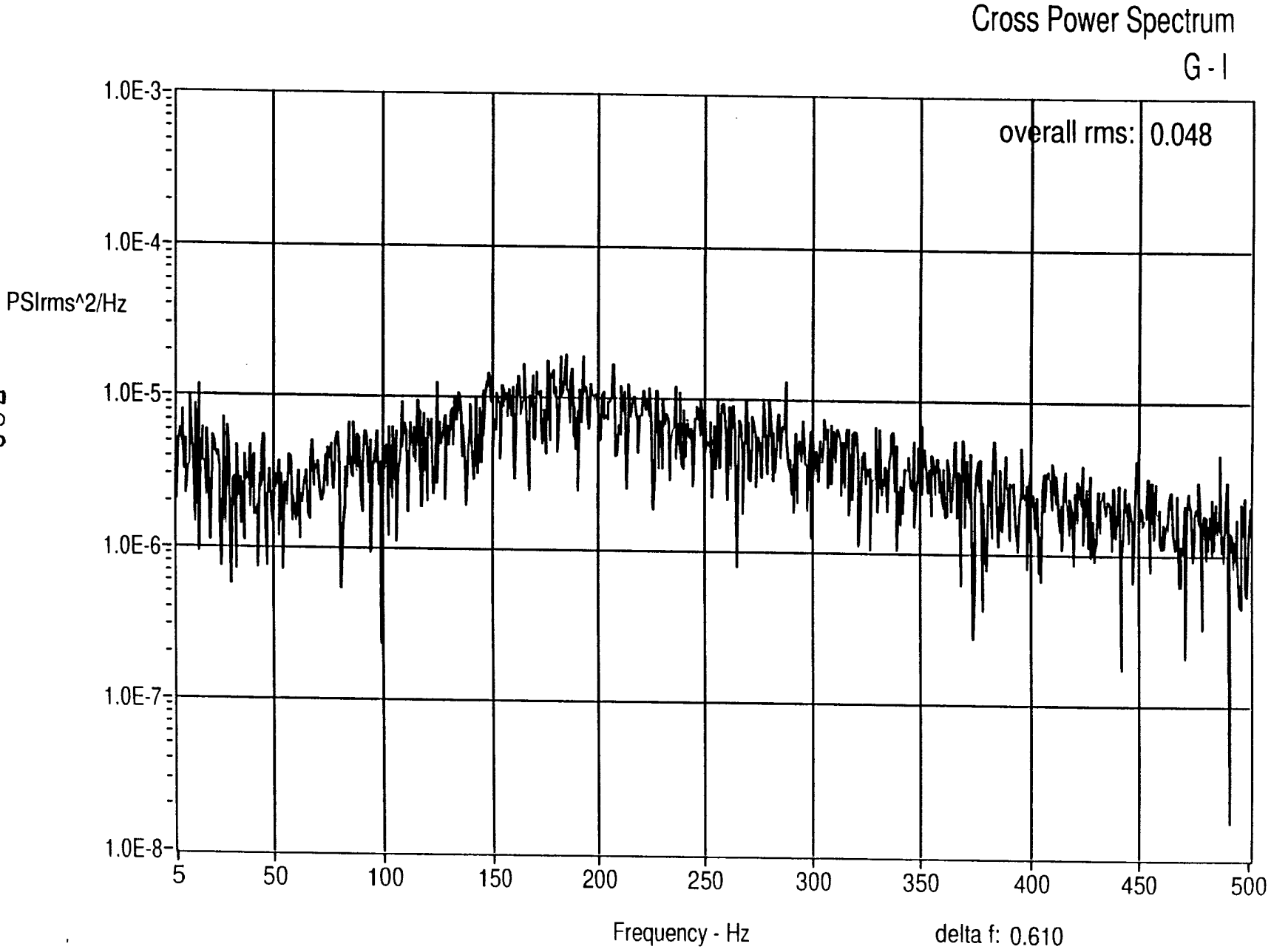
F-15 TPN_3351: alpha=8 beta=4 bp=45



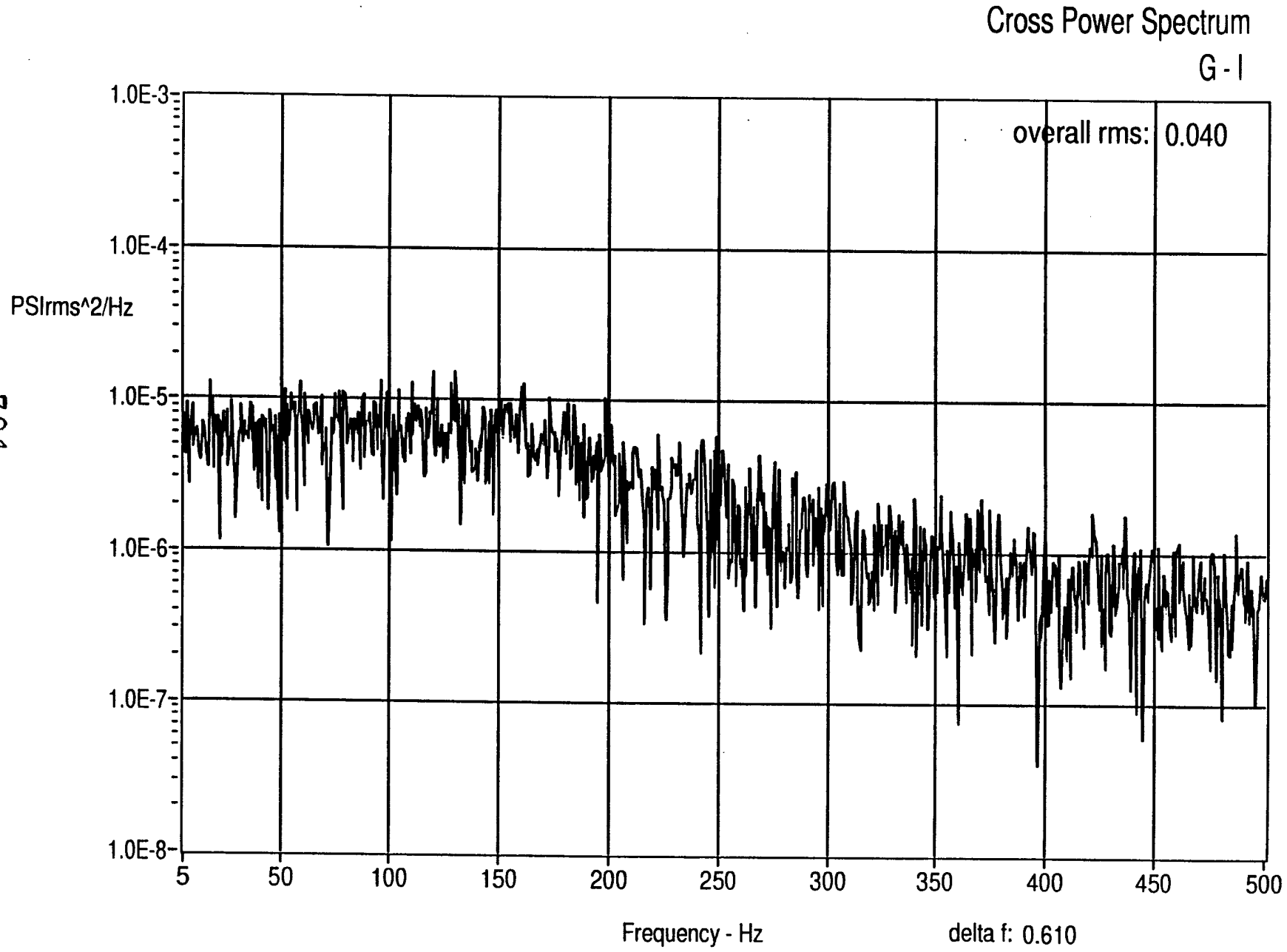
F-15 TPN_3357: alpha=20 beta=4 bp=45



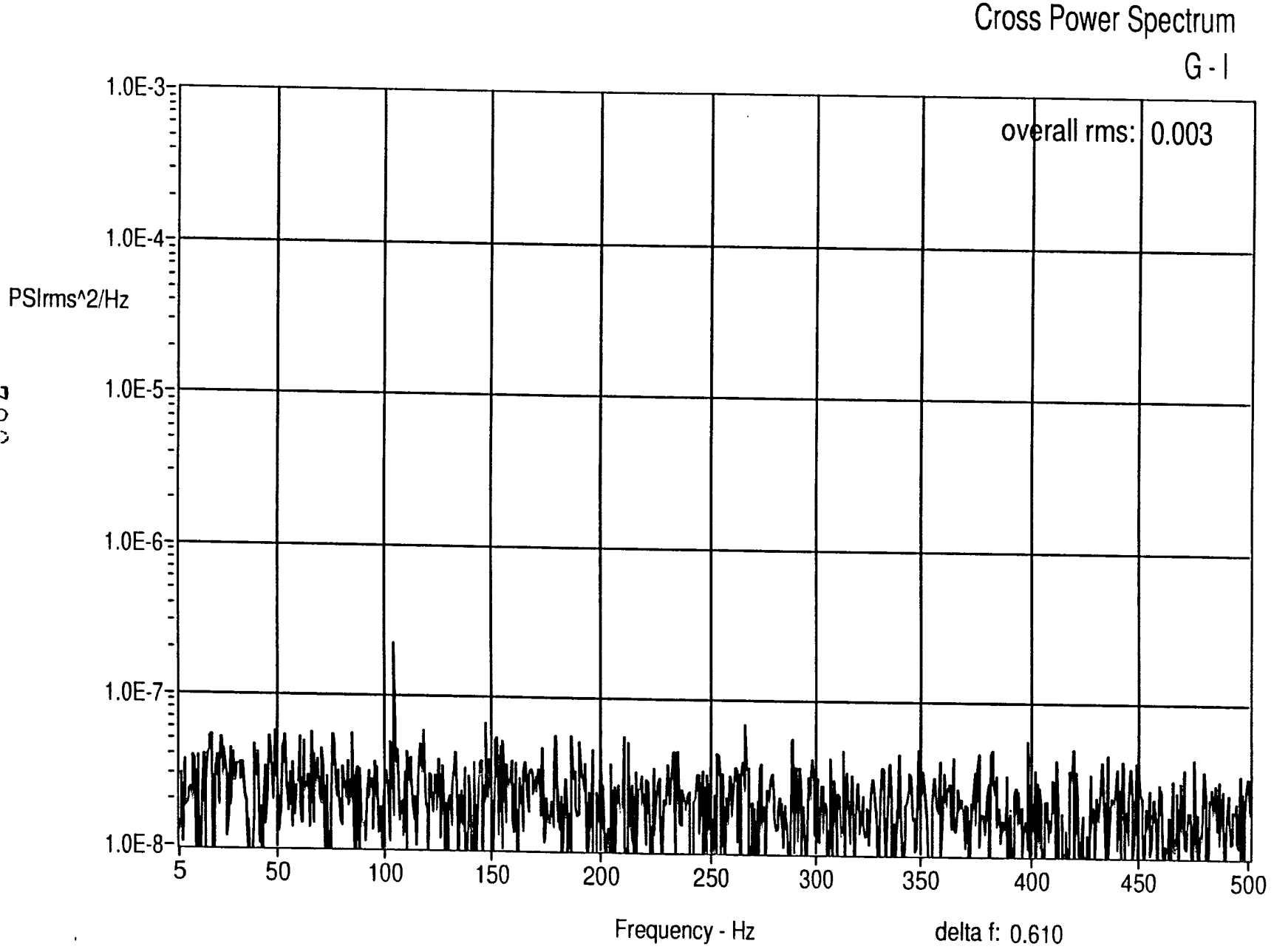
F-15 TPN_3359: alpha=24 beta=4 bp=45



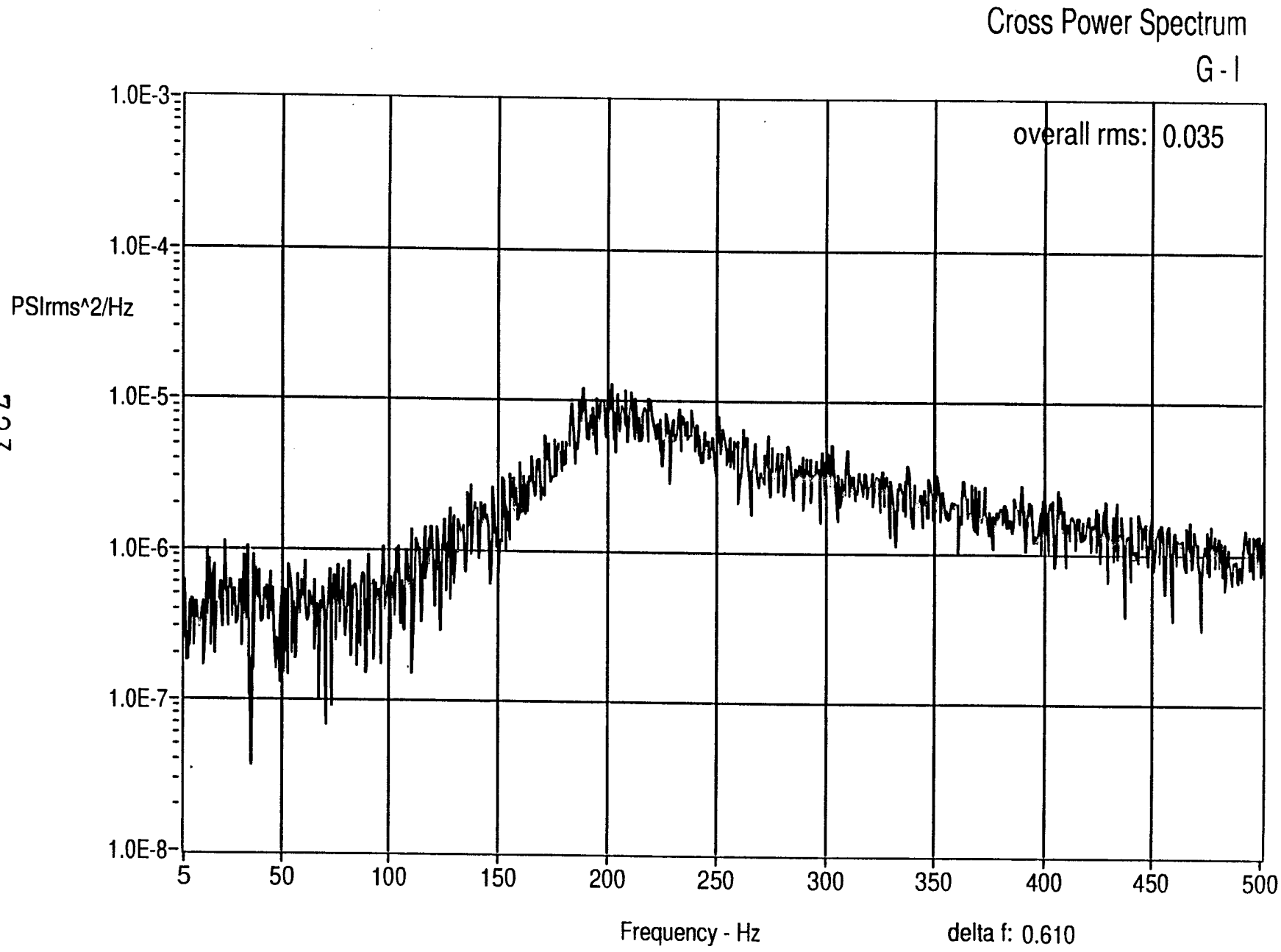
F-15 TPN_3361: alpha=32 beta=4 bp=45



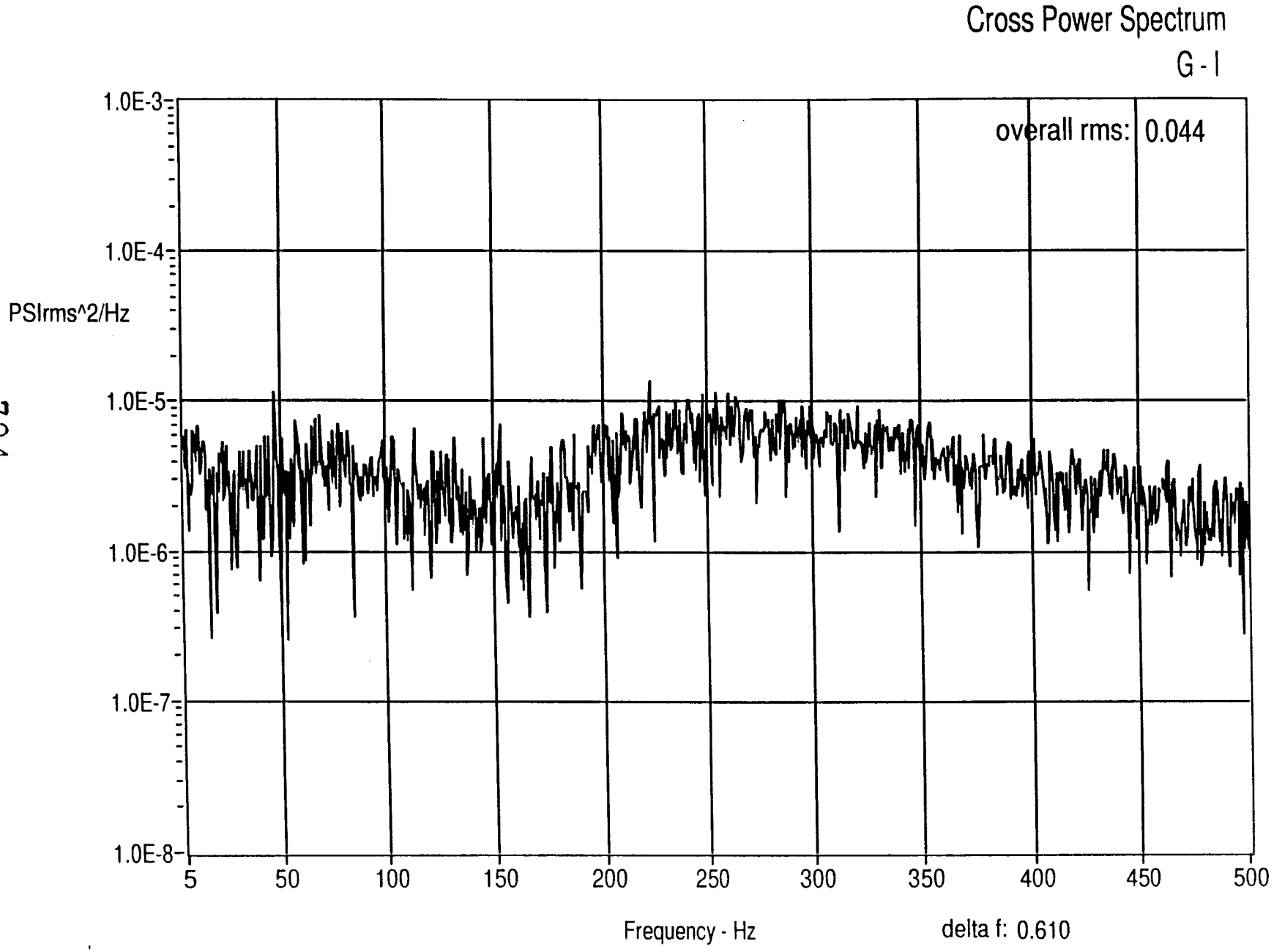
F-15 TPN_3333: alpha=8 beta=0 bp=45



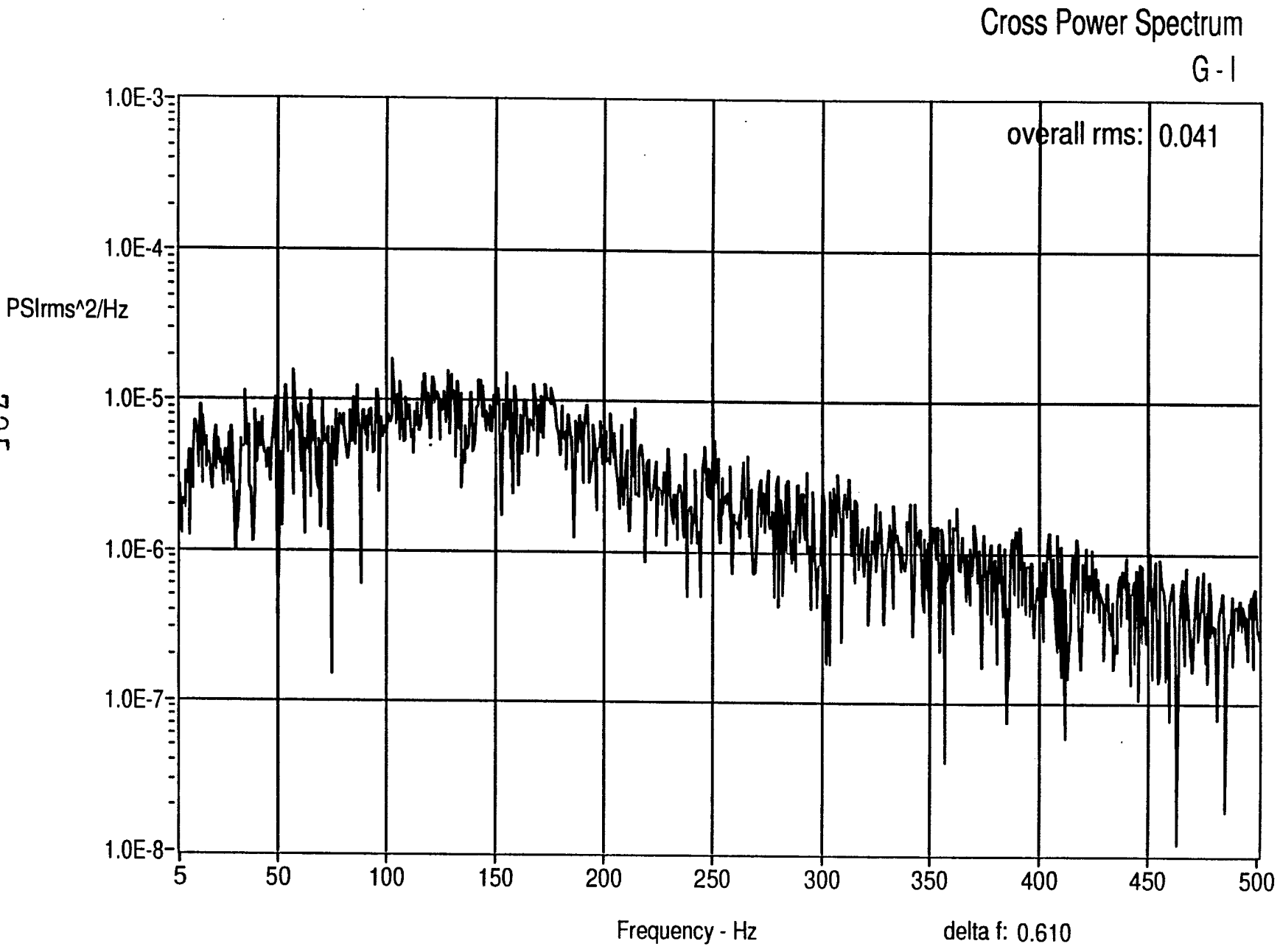
F-15 TPN_3339: alpha=20 beta=0 bp=45



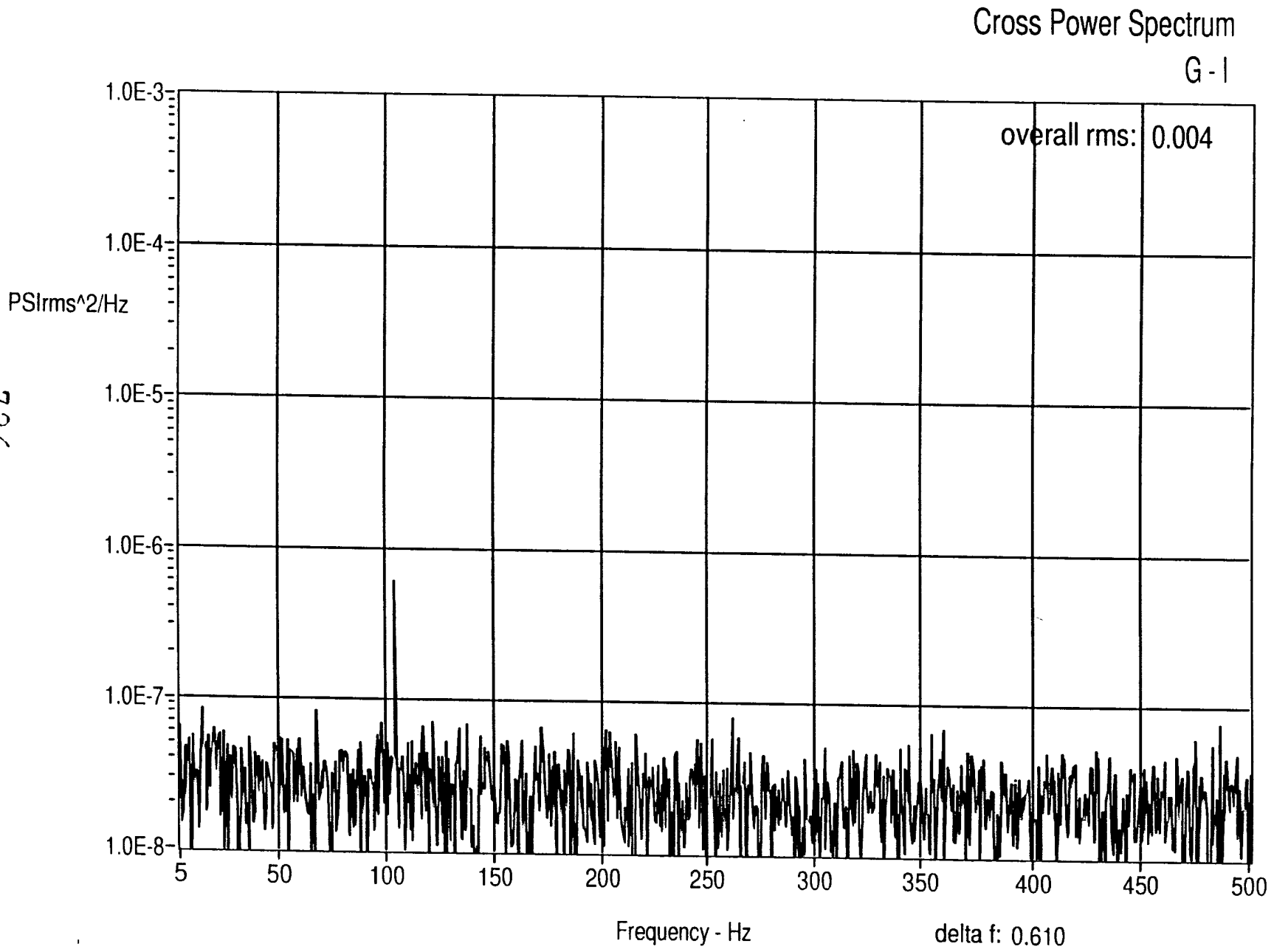
F-15 TPN_3341: alpha=24 beta=0 bp=45



F-15 TPN_3343: alpha=32 beta=0 bp=45

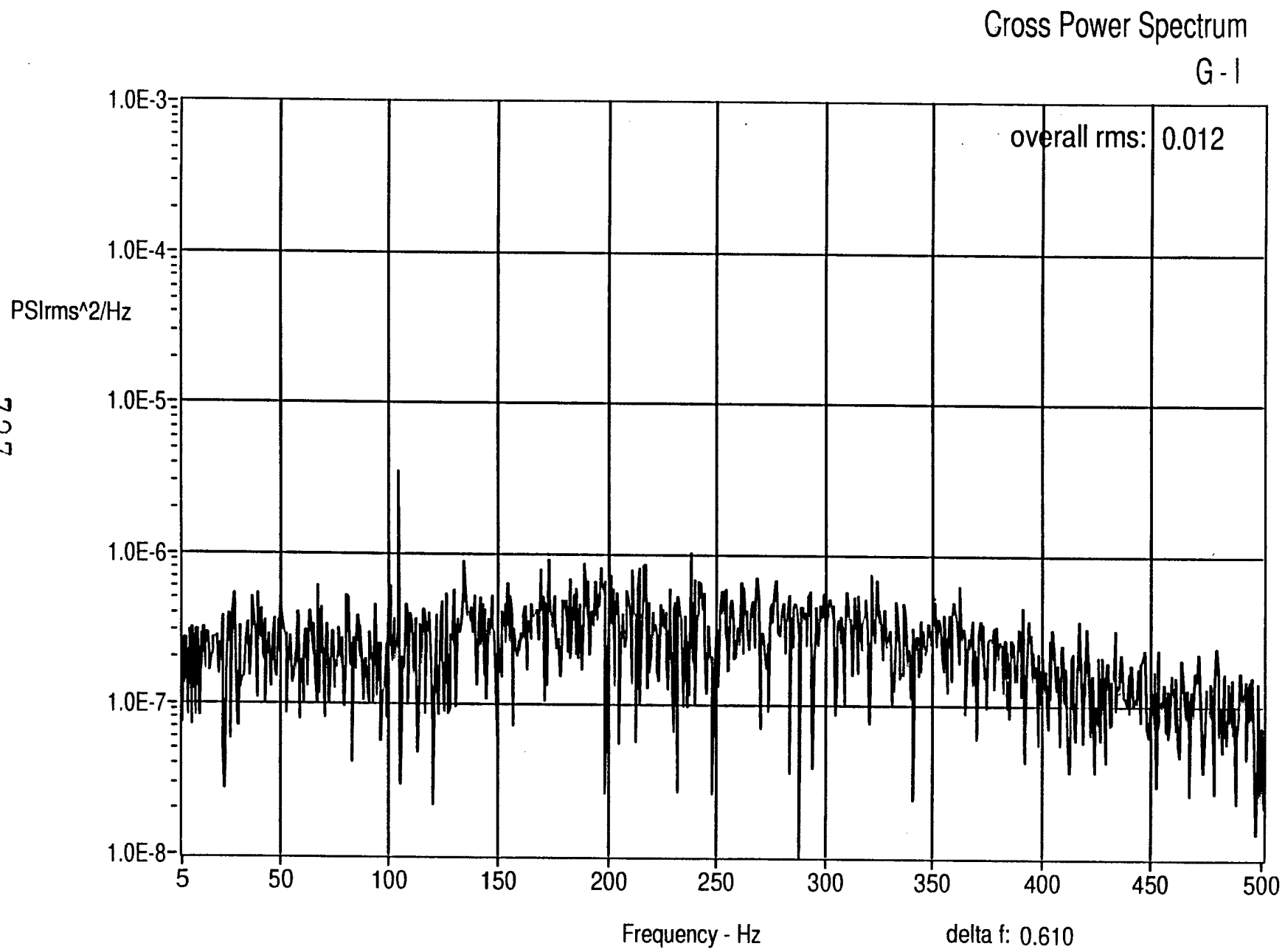


F-15 TPN_3369: alpha=8 beta=-4 bp=45

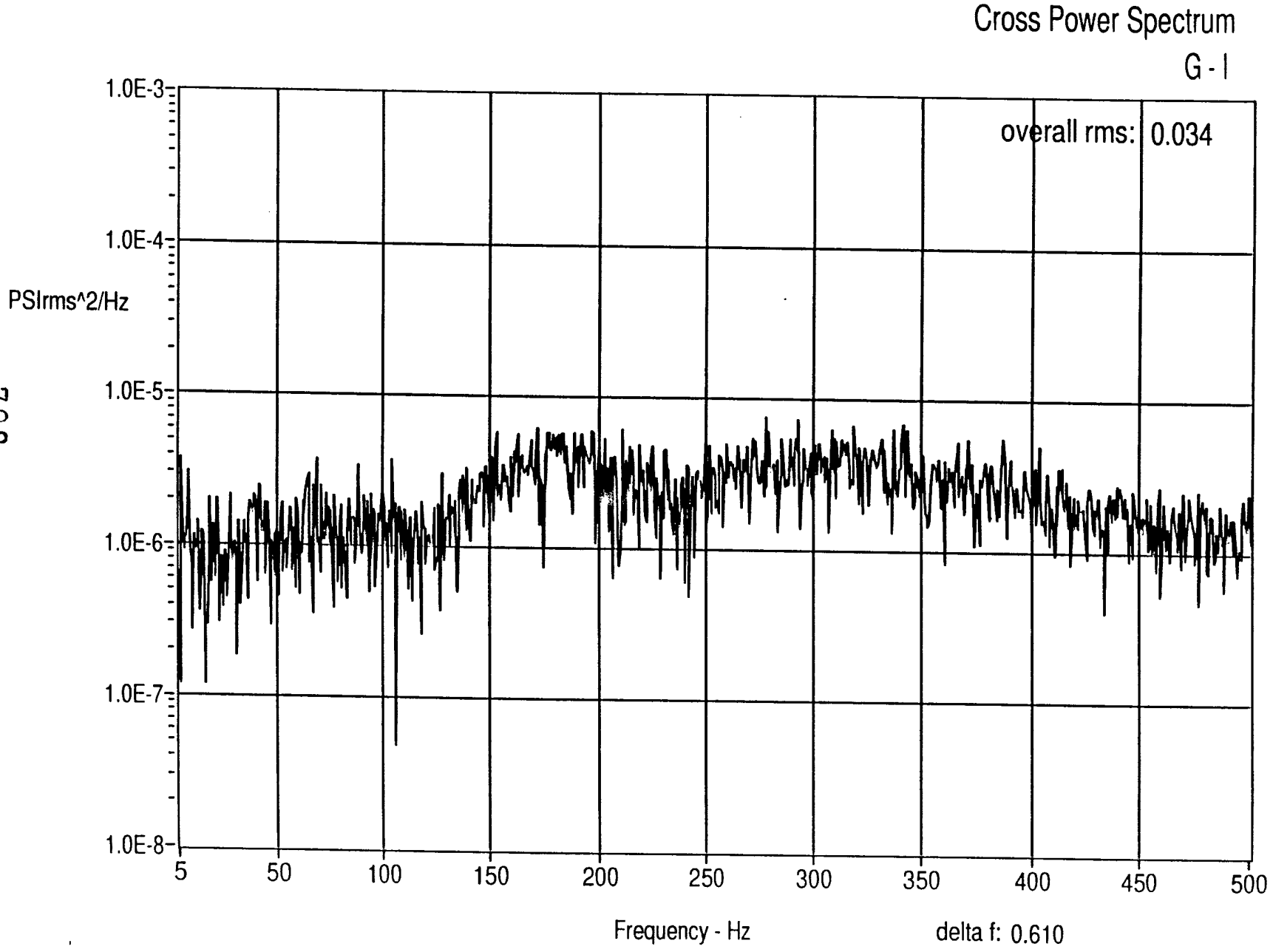


726

F-15 TPN_3375: alpha=20 beta=-4 bp=45

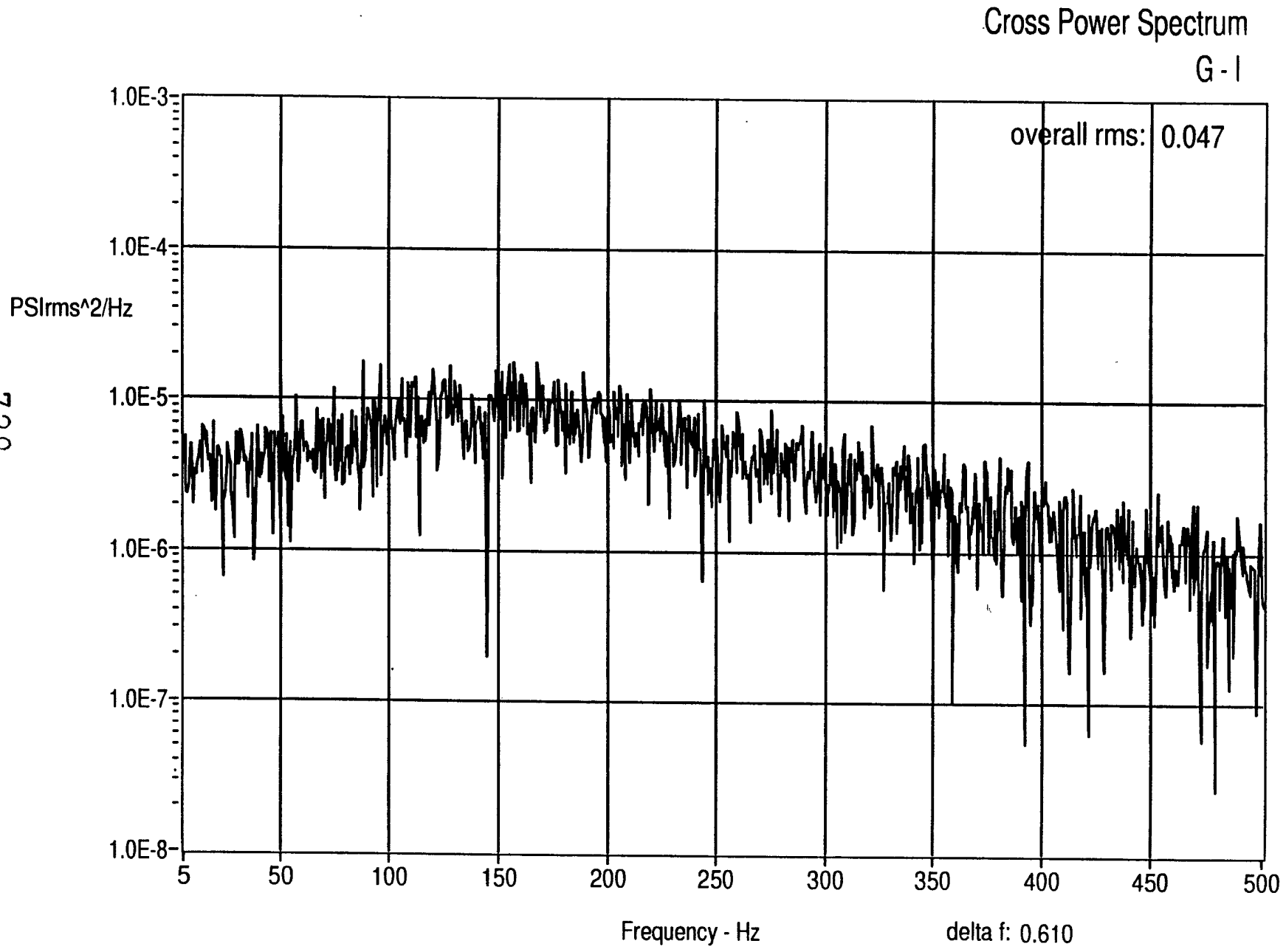


F-15 TPN_3377: alpha=24 beta=-4 bp=45

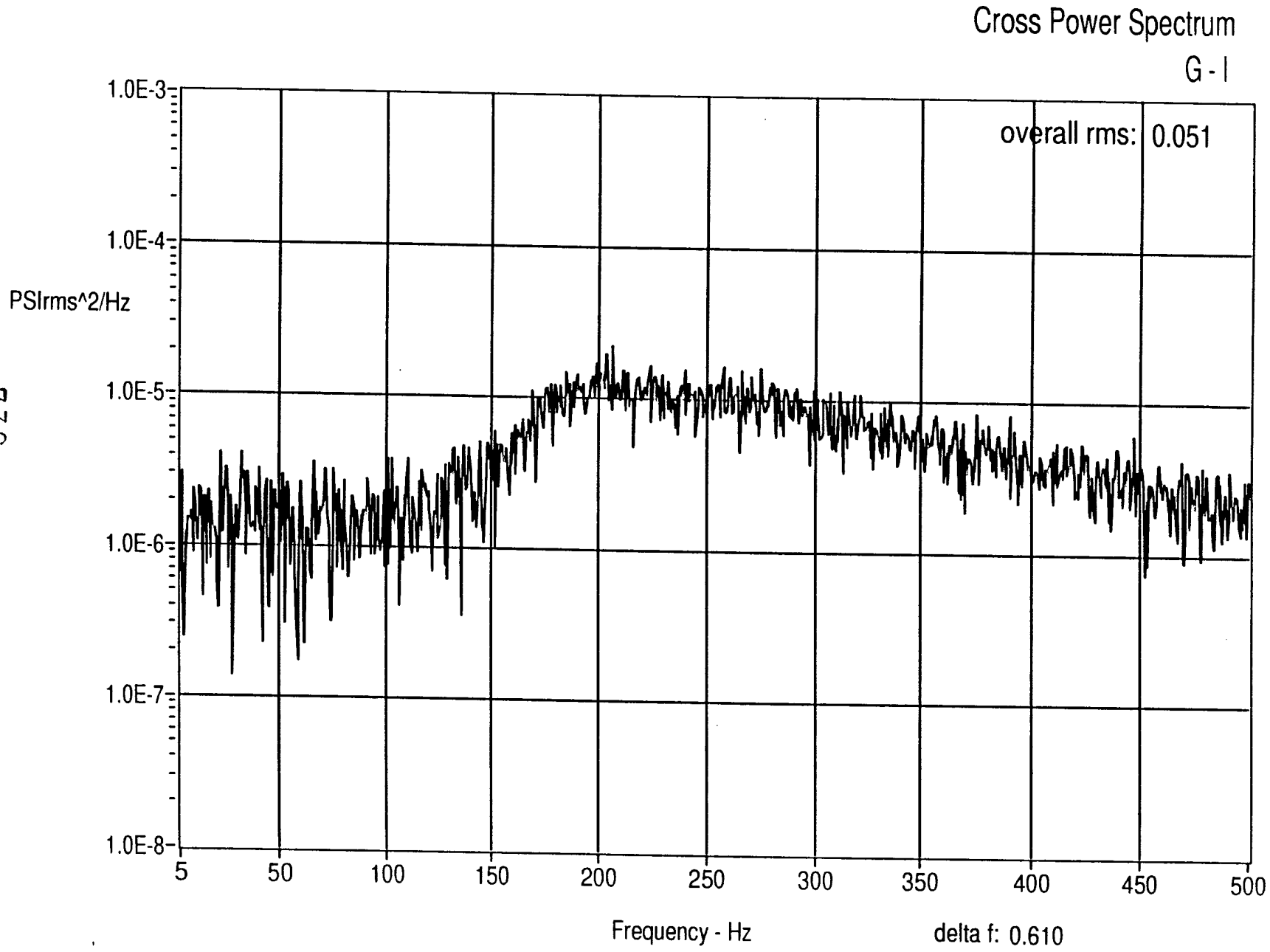


728

F-15 TPN_3379: alpha=32 beta=-4 bp=45

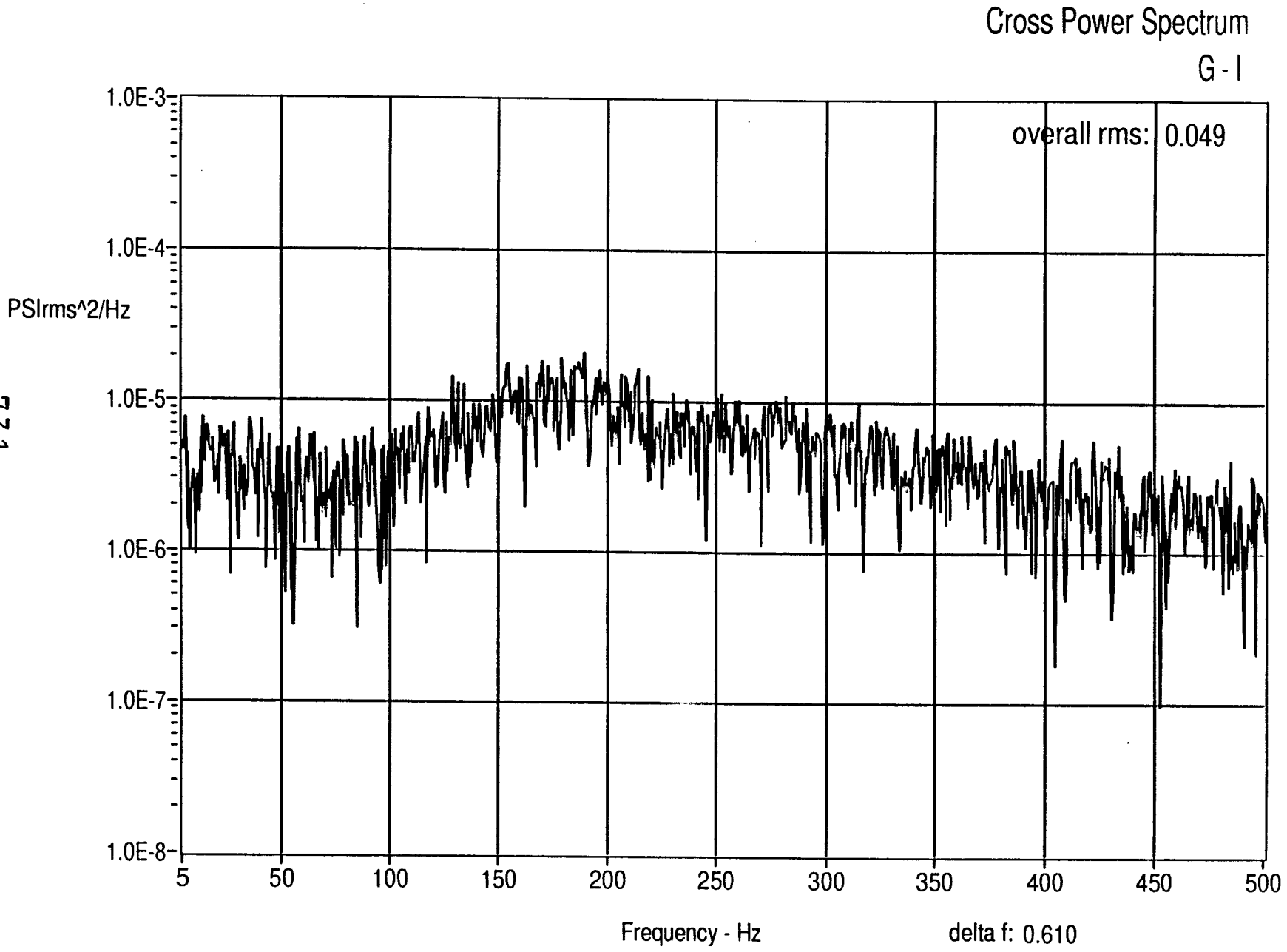


F-15 TPN_3046: alpha=20 beta=4 bp=65

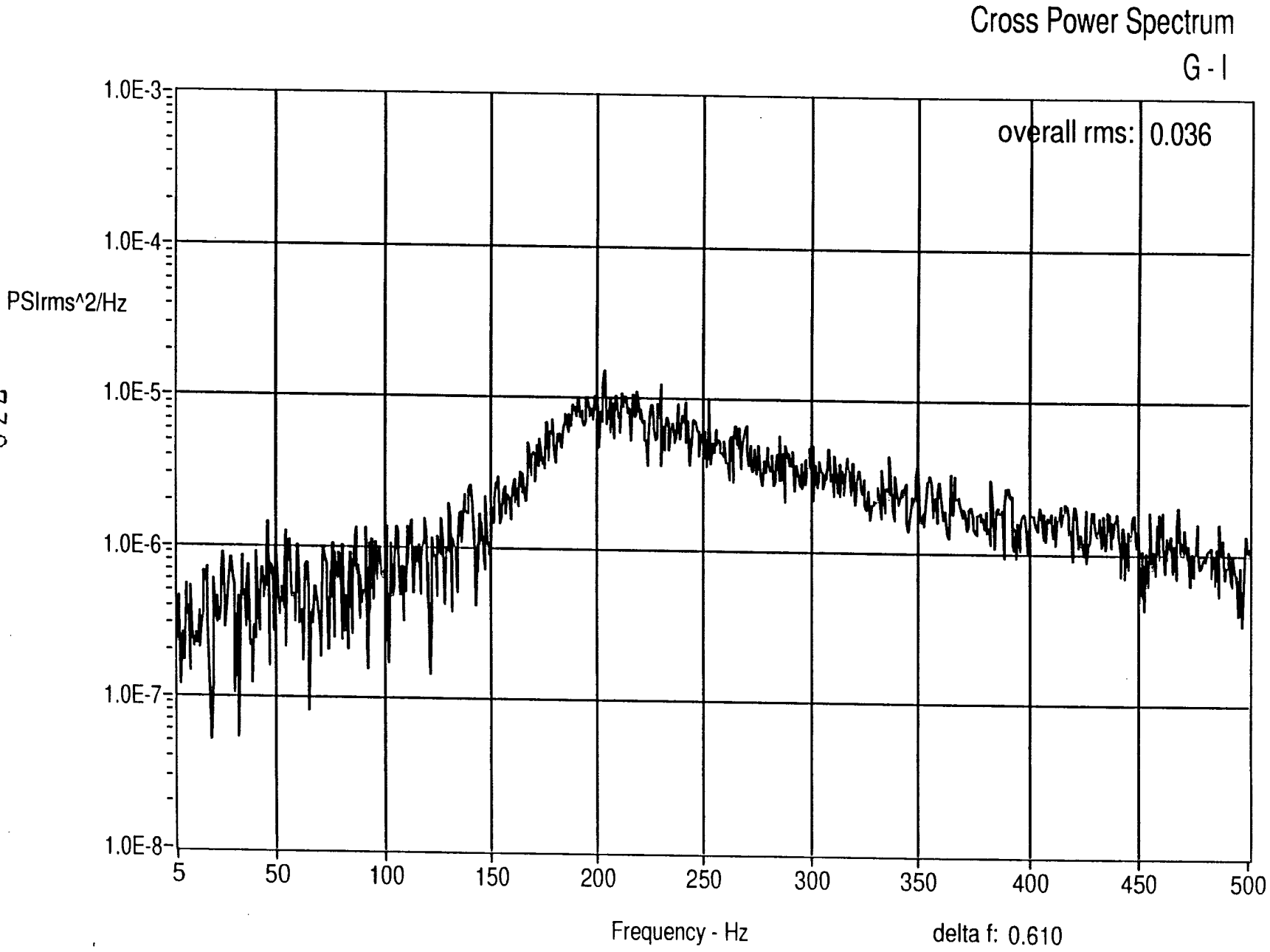


730

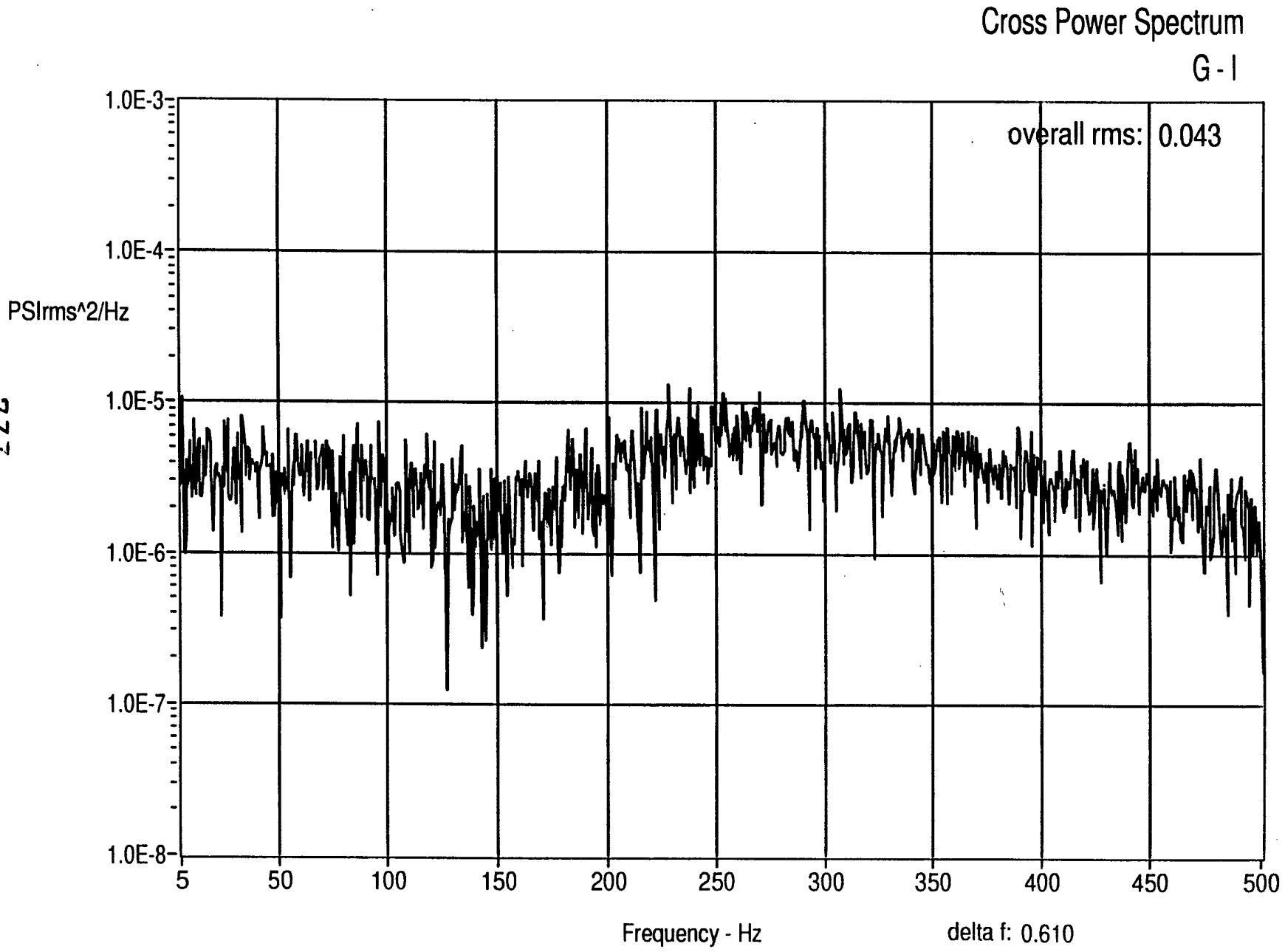
F-15 TPN_3048: alpha=24 beta=4 bp=65



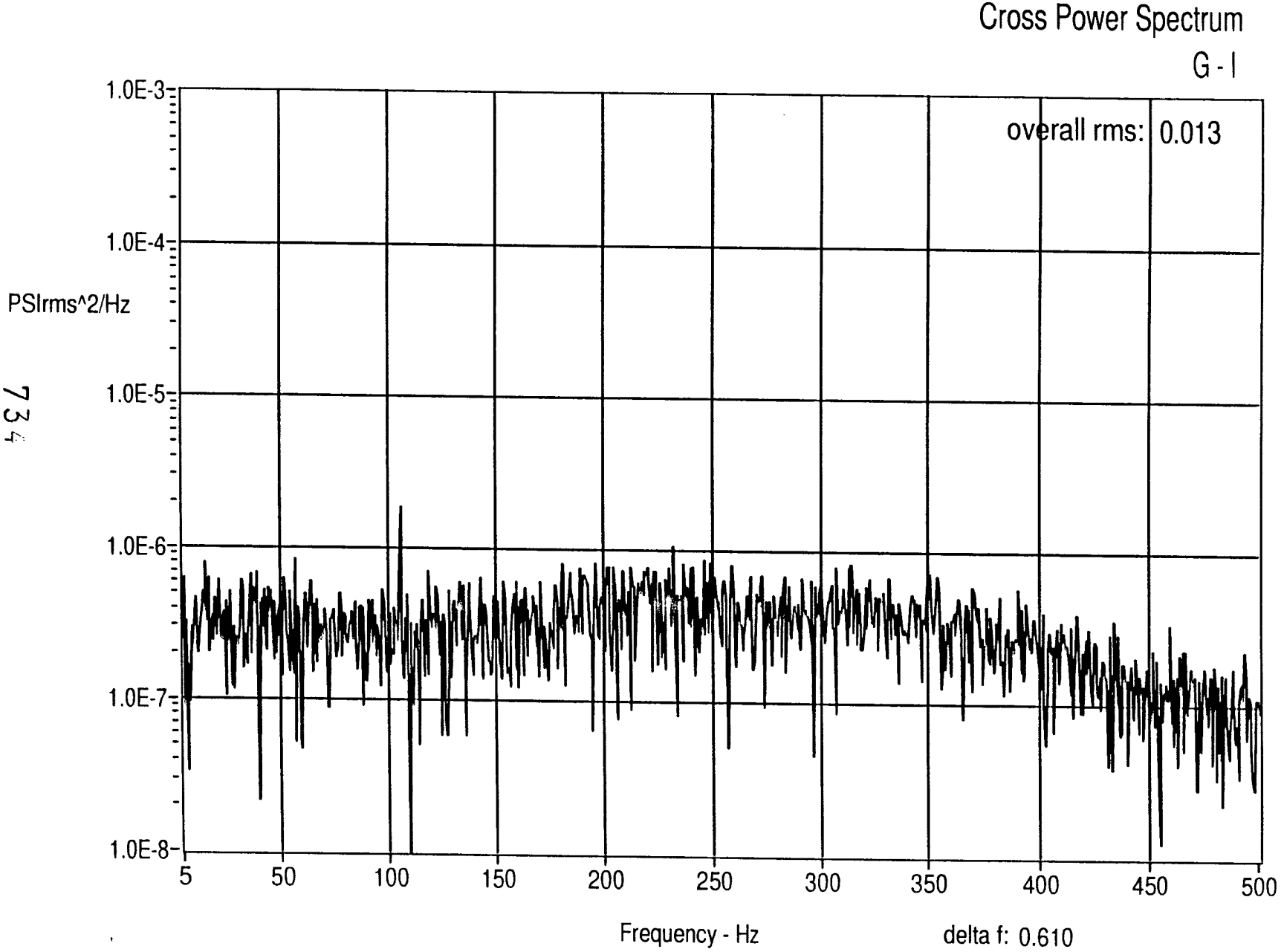
F-15 TPN_3040: alpha=20 beta=0 bp=65



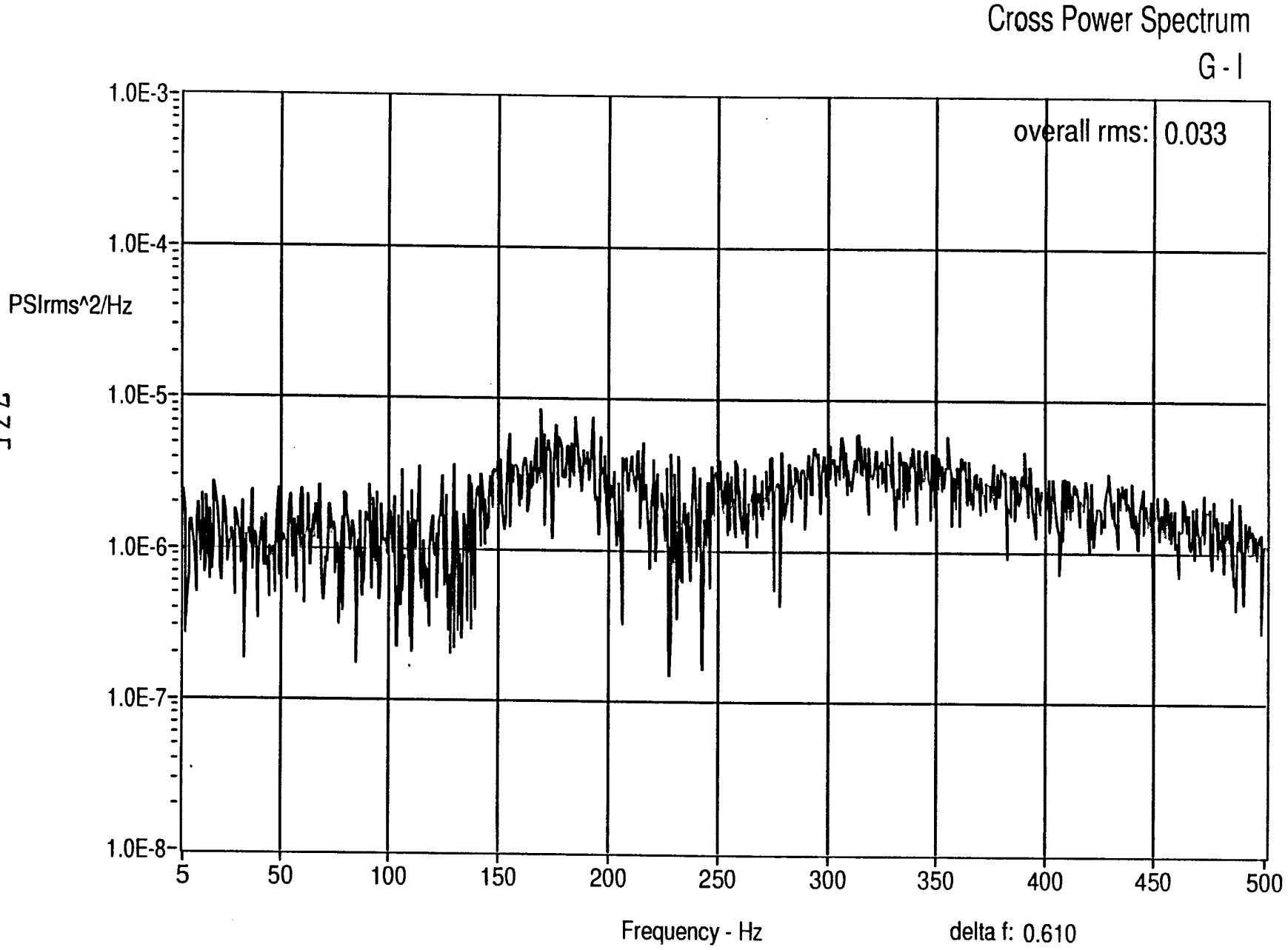
F-15 TPN_3042: alpha=24 beta=0 bp=65



F-15 TPN_3034: alpha=20 beta=-4 bp=65



F-15 TPN_3036: alpha=24 beta=-4 bp=65



CSD GRAPHS
Q= 56 PSF

2.3.2 RMS SUMMARY TABS OF CSD MAGNITUES

F-15 Vertical Tail Buffet Test: Overall RMS of Cross PSDs (psi, 5-500 Hz, 56 psf)

0 psi blowing pressure:

Beta = 4:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8	.004	.004	.004	.003	.003	.003
20	.108	.090	.067	.078	.061	.051
24	.127	.074	.103	.107	.074	.047
32	.071	.050	.054	.065	.056	.040

Beta = 0:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8	.013	.009	.005	.004	.004	.003
20	.068	.062	.050	.059	.035	.034
24	.118	.074	.070	.103	.061	.044
32	.096	.063	.080	.089	.071	.045

Beta = -4:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8	.006	.008	.007	.004	.003	.004
20	.012	.020	.012	.013	.014	.011
24	.066	.050	.041	.064	.044	.032
32	.118	.071	.102	.116	.080	.047

45 psi blowing pressure:

Beta = 4:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8	.004	.004	.003	.003	.003	.003
20	.102	.088	.065	.074	.059	.050
24	.130	.078	.100	.108	.074	.048
32	.073	.050	.055	.064	.058	.040

Beta = 0:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8	.010	.007	.004	.004	.004	.003
20	.063	.060	.052	.060	.035	.035
24	.113	.072	.067	.101	.059	.044
32	.080	.055	.069	.072	.062	.041

Beta = -4:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8	.004	.007	.006	.004	.003	.004
20	.015	.021	.018	.017	.015	.012
24	.070	.052	.044	.067	.047	.034
32	.104	.067	.088	.098	.072	.047

psi blowing pressure:

Beta = 4:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8						
20	.105	.090	.064	.075	.059	.051
24	.135	.081	.106	.111	.077	.049
32						

Beta = 0:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8						
20	.062	.060	.052	.061	.035	.036
24	.113	.073	.067	.101	.059	.043
32						

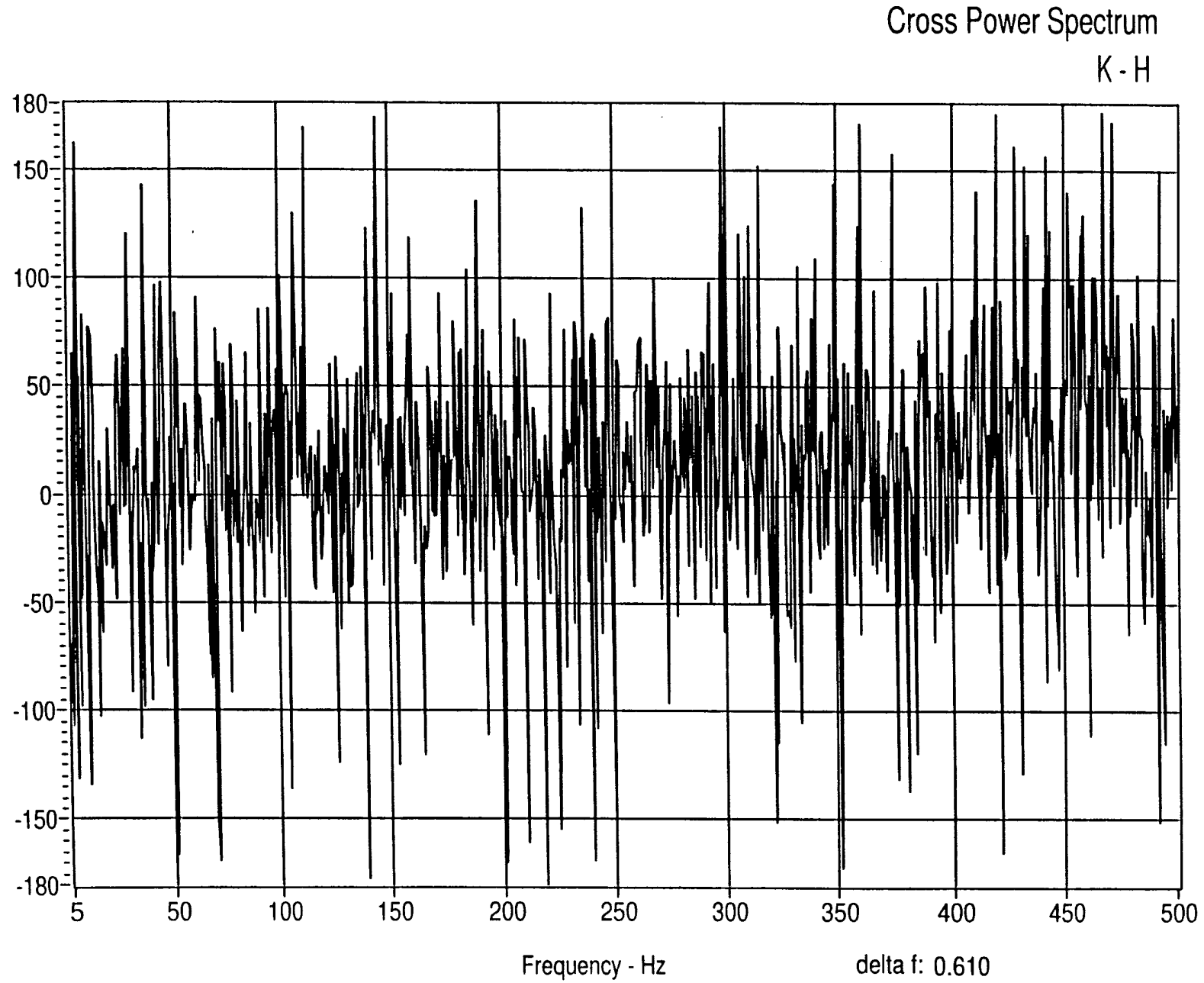
Beta = -4:

Alpha:	K-H	K-I	K-J	K-G	G-H	G-I
8						
20	.020	.025	.021	.021	.017	.013
24	.066	.048	.043	.065	.047	.033
32						

CSD GRAPHS
Q= 56 PSF

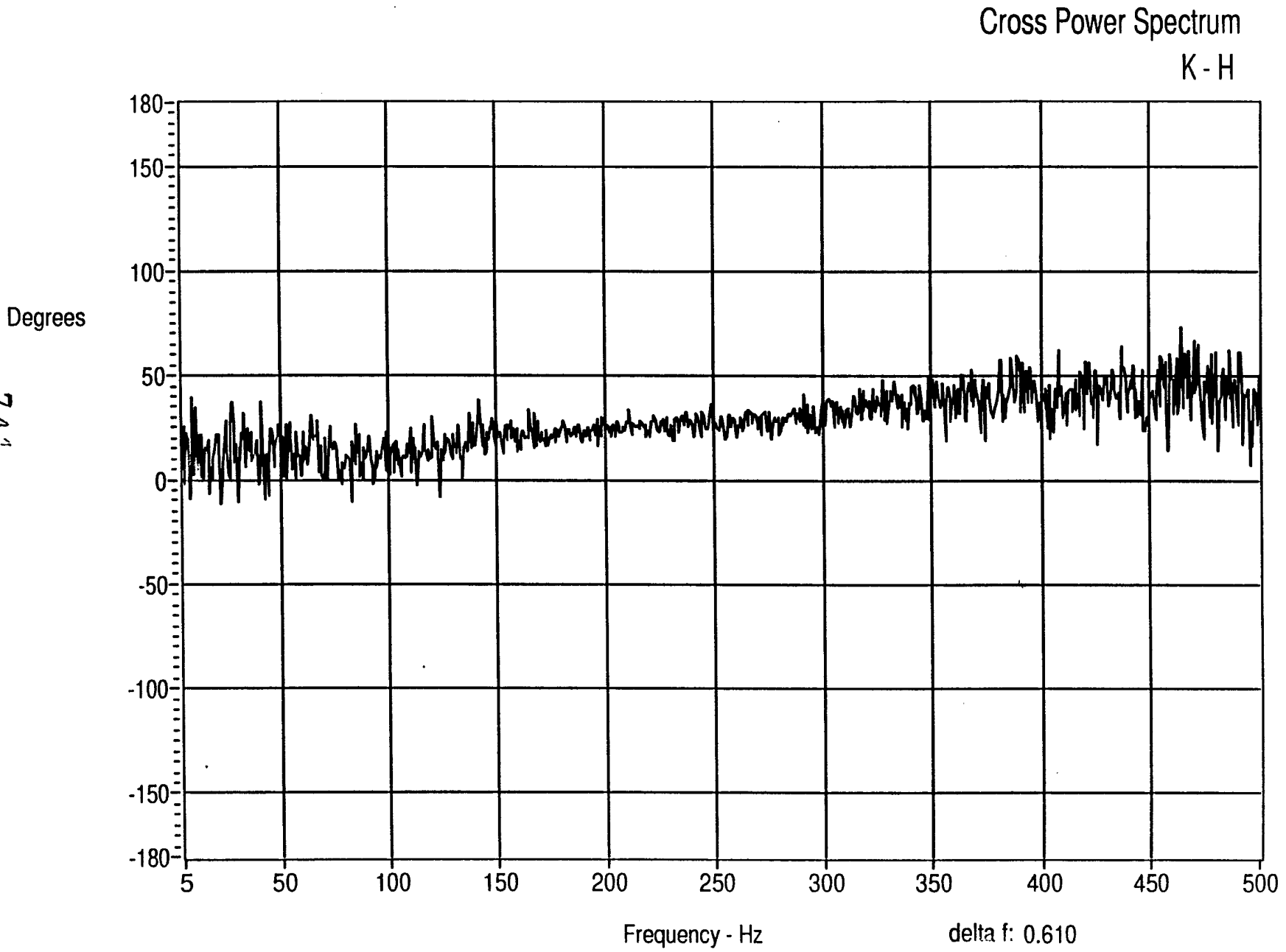
2.3.3 CSD PHASE GRAPHS

F-15 TPN_2918: alpha=8 beta=4 bp=0

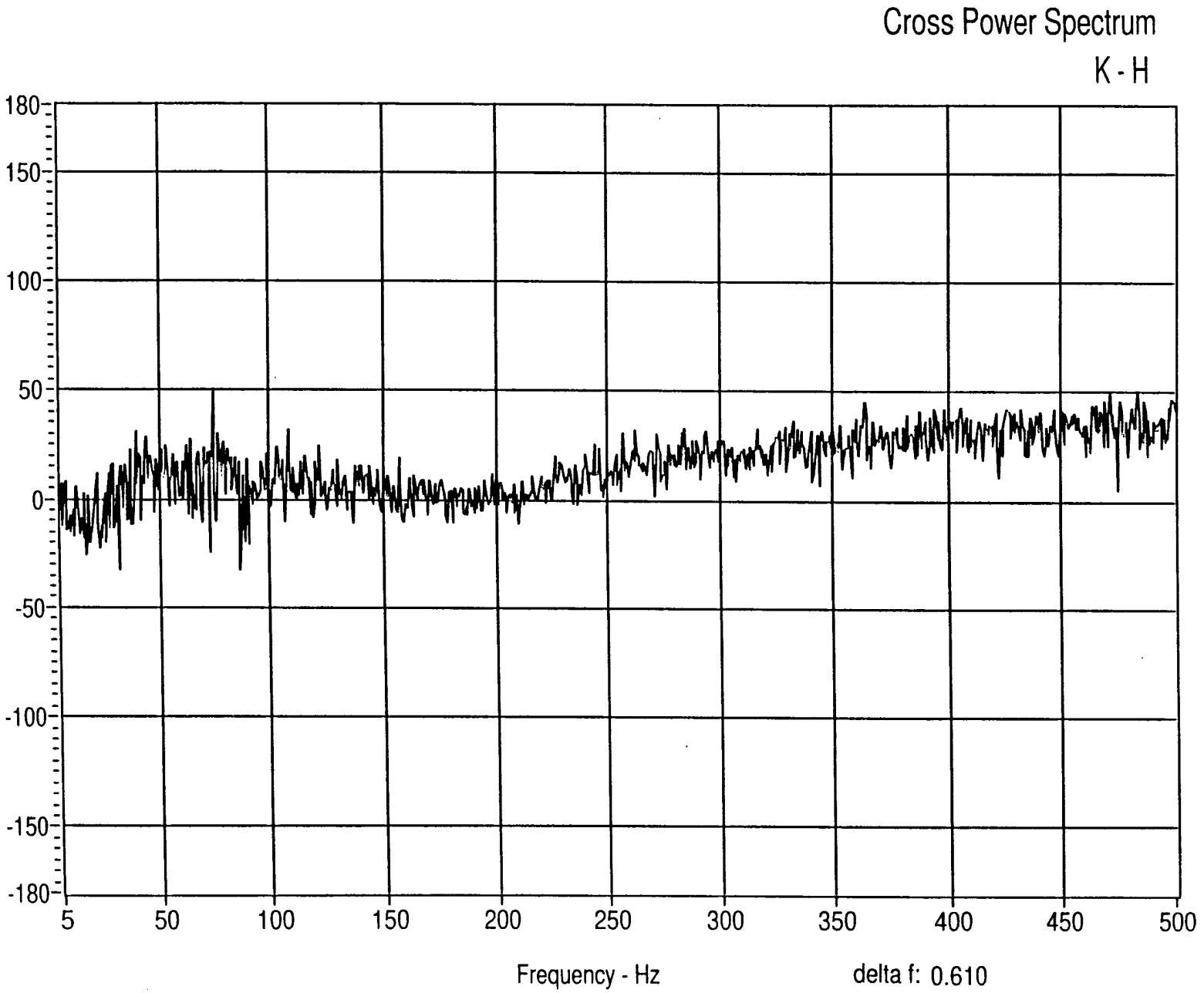


740

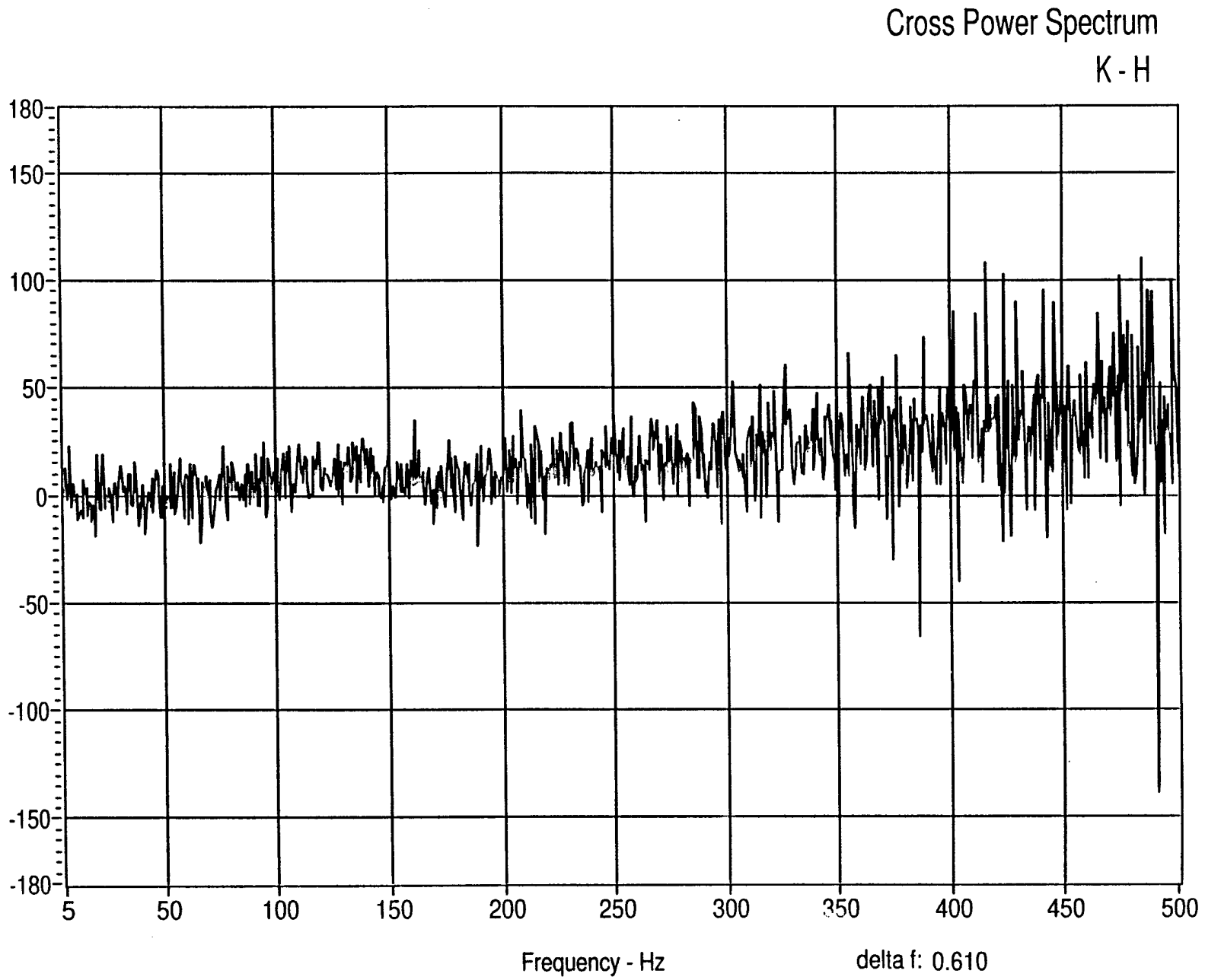
F-15 TPN_2924: alpha=20 beta=4 bp=0



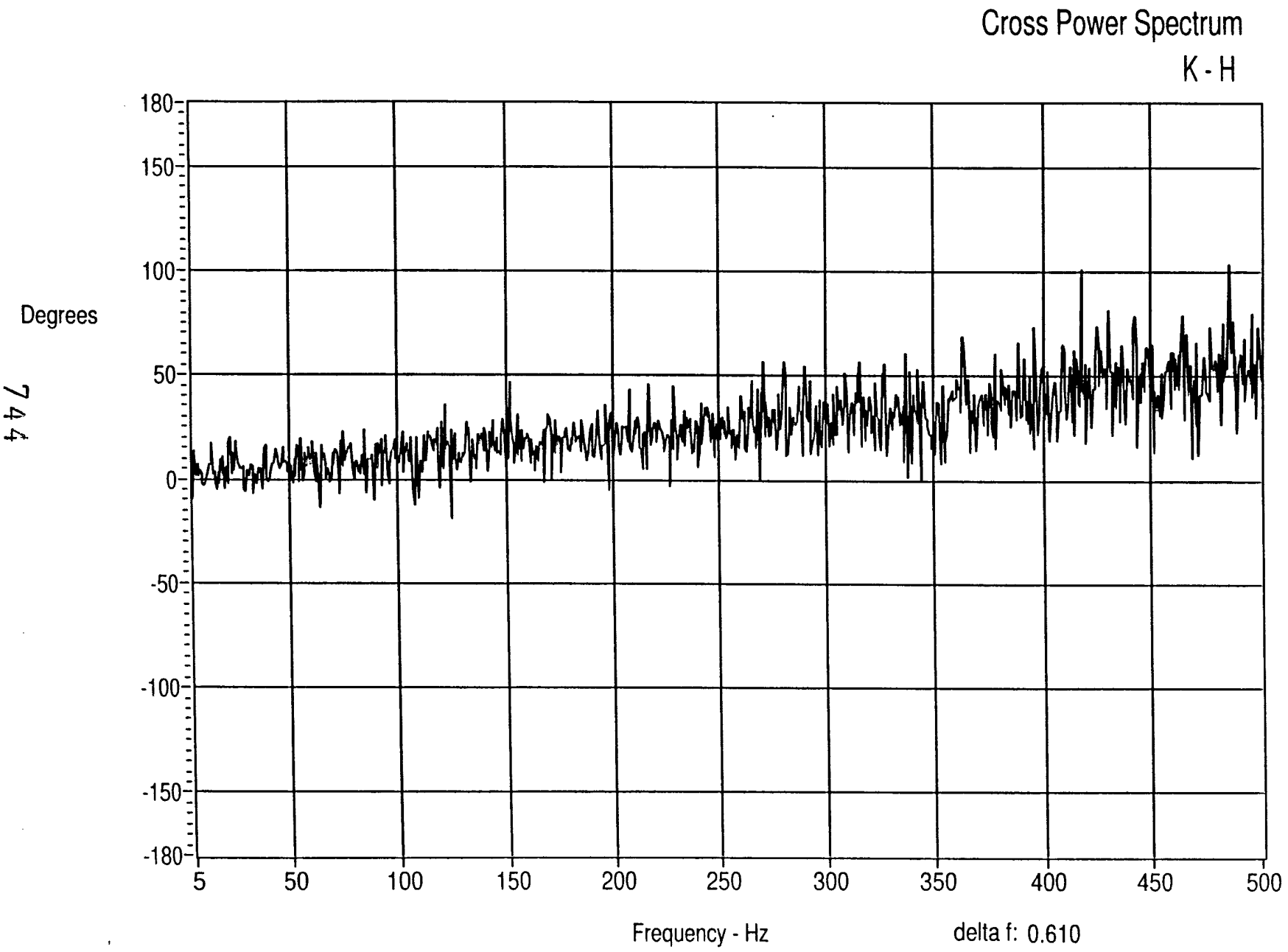
F-15 TPN_2926: alpha=24 beta=4 bp=0



F-15 TPN_2928: alpha=32 beta=4 bp=0

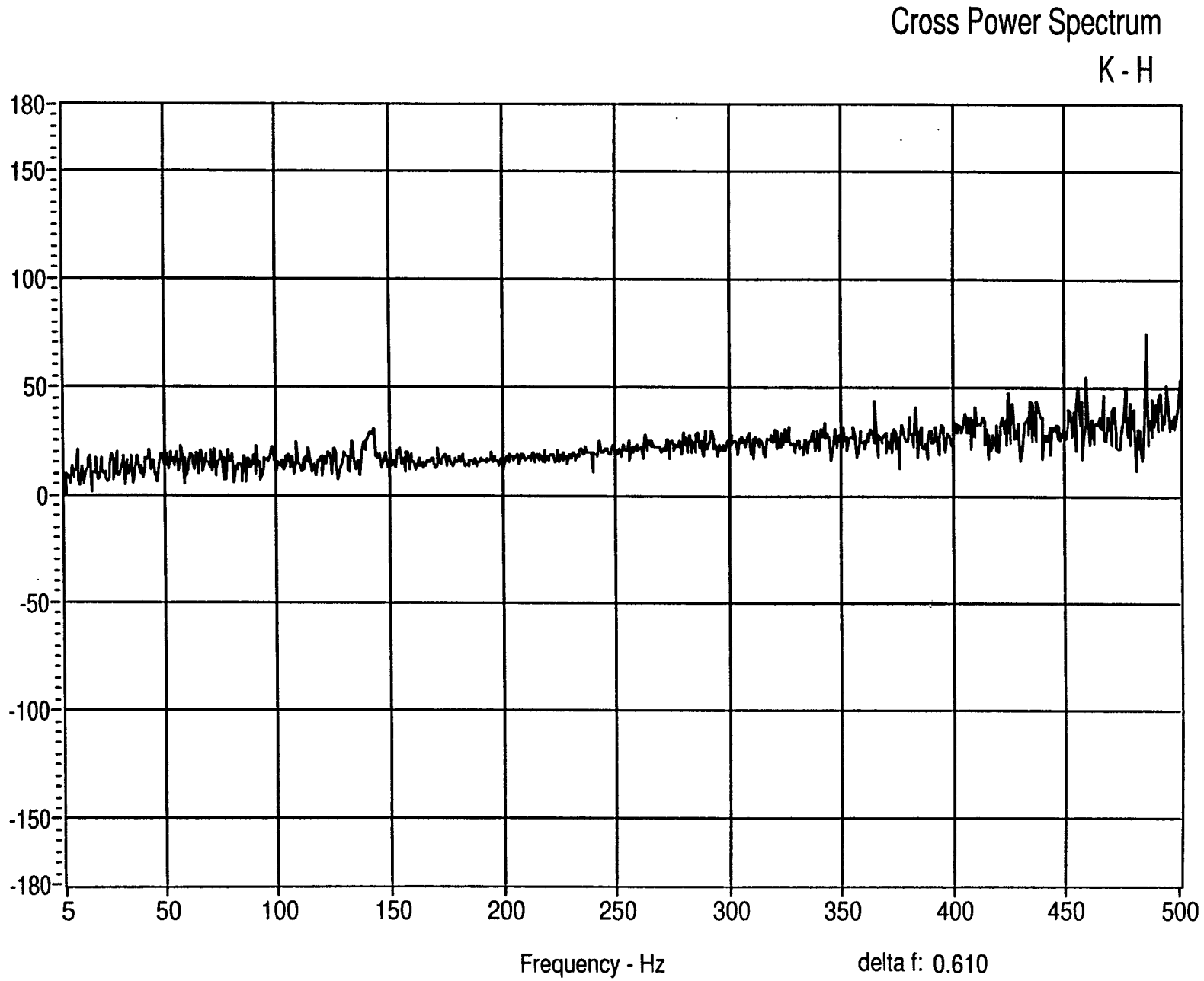


F-15 TPN_2844: alpha=8 beta=0 bp=0

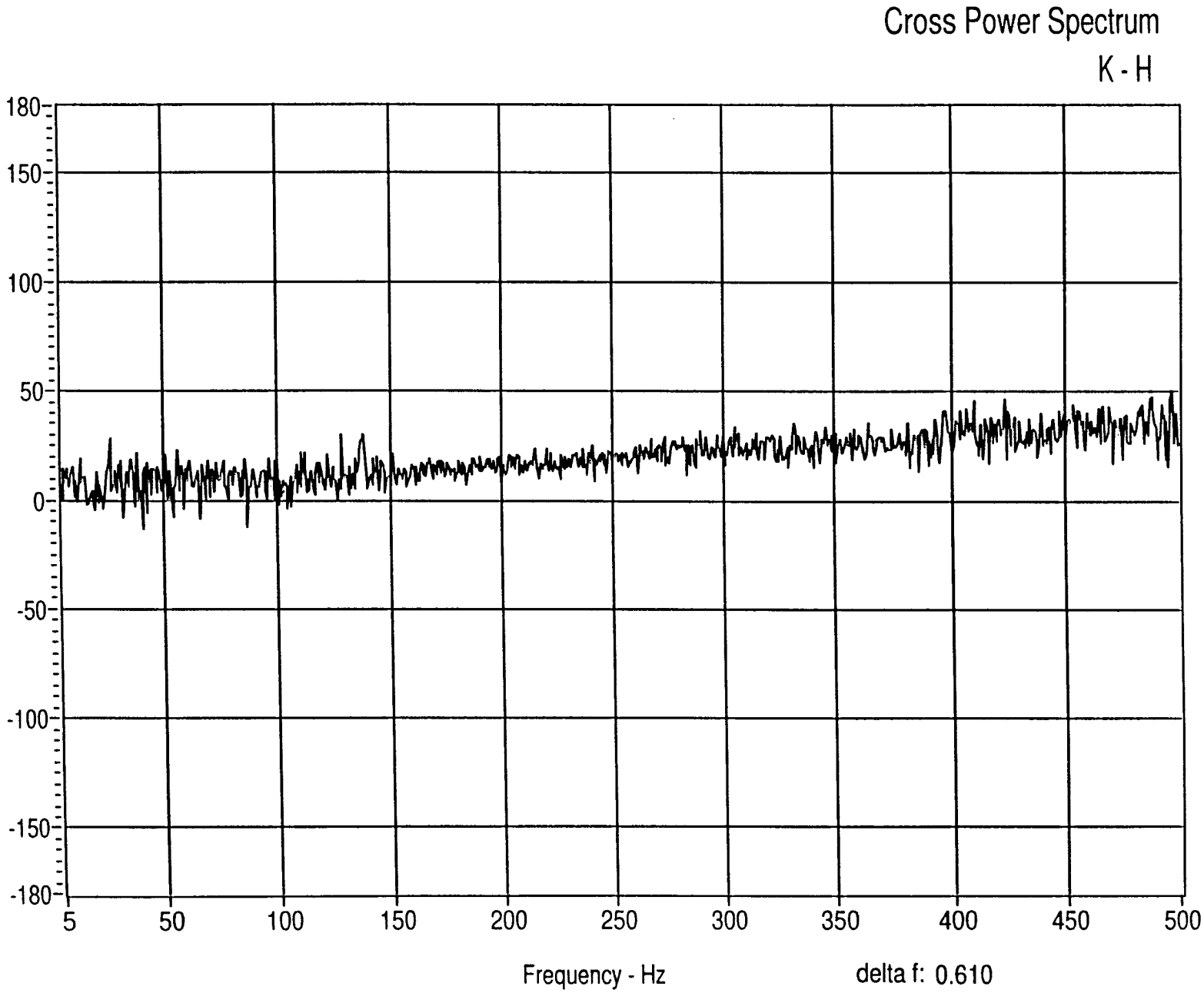


744

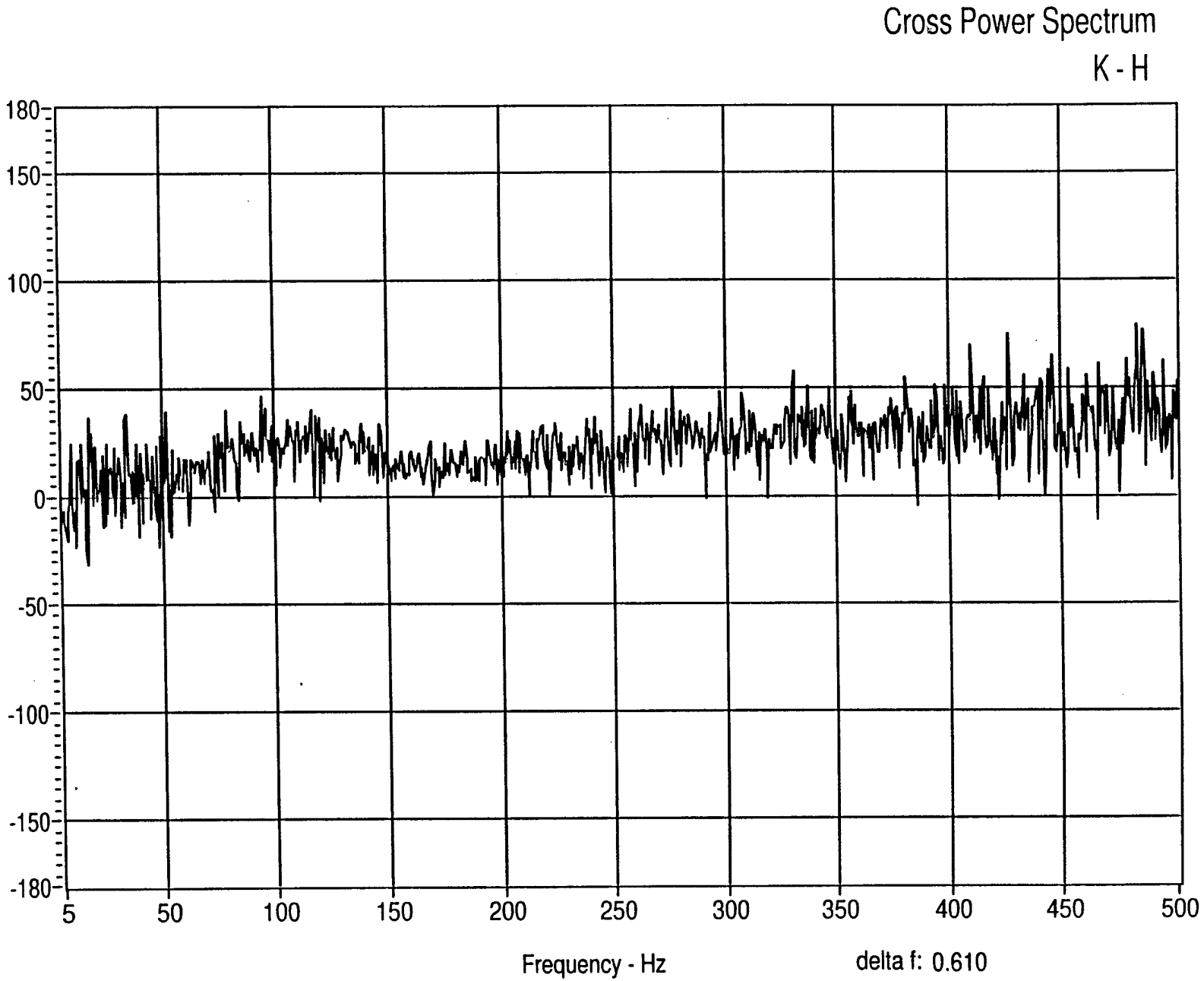
F-15 TPN_2850: alpha=20 beta=0 bp=0



F-15 TPN_2852: alpha=24 beta=0 bp=0

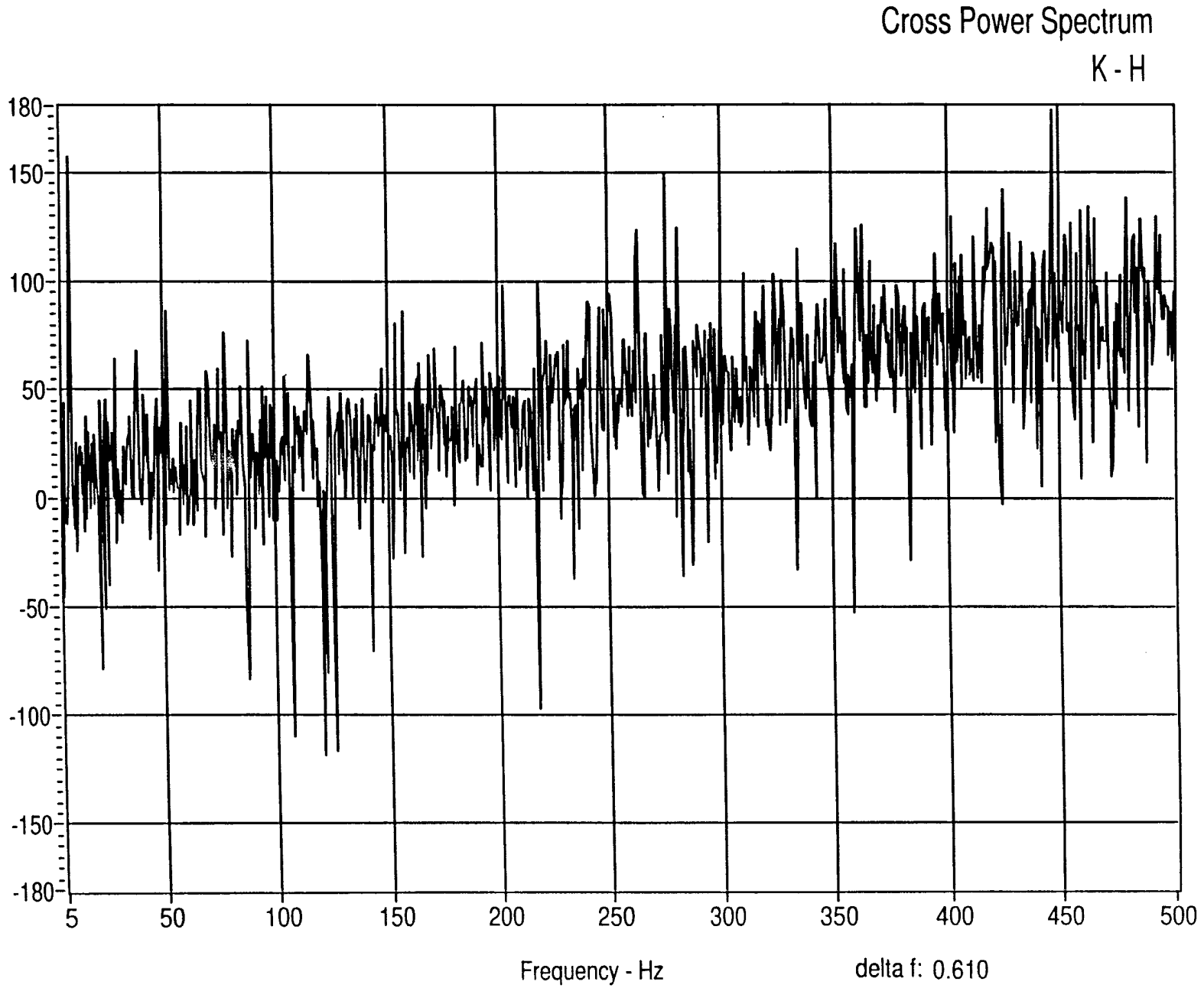


F-15 TPN_2854: alpha=32 beta=0 bp=0

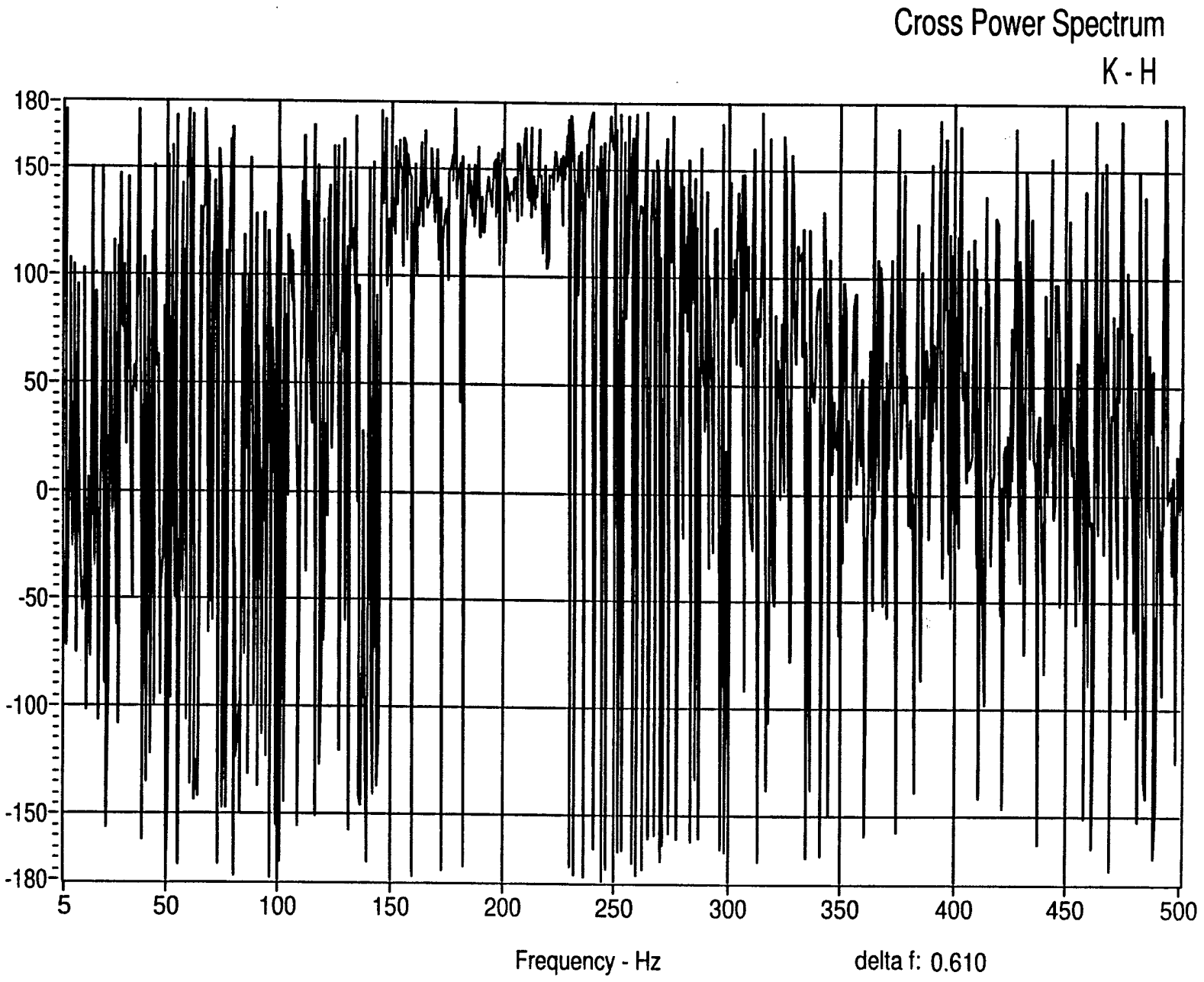


747

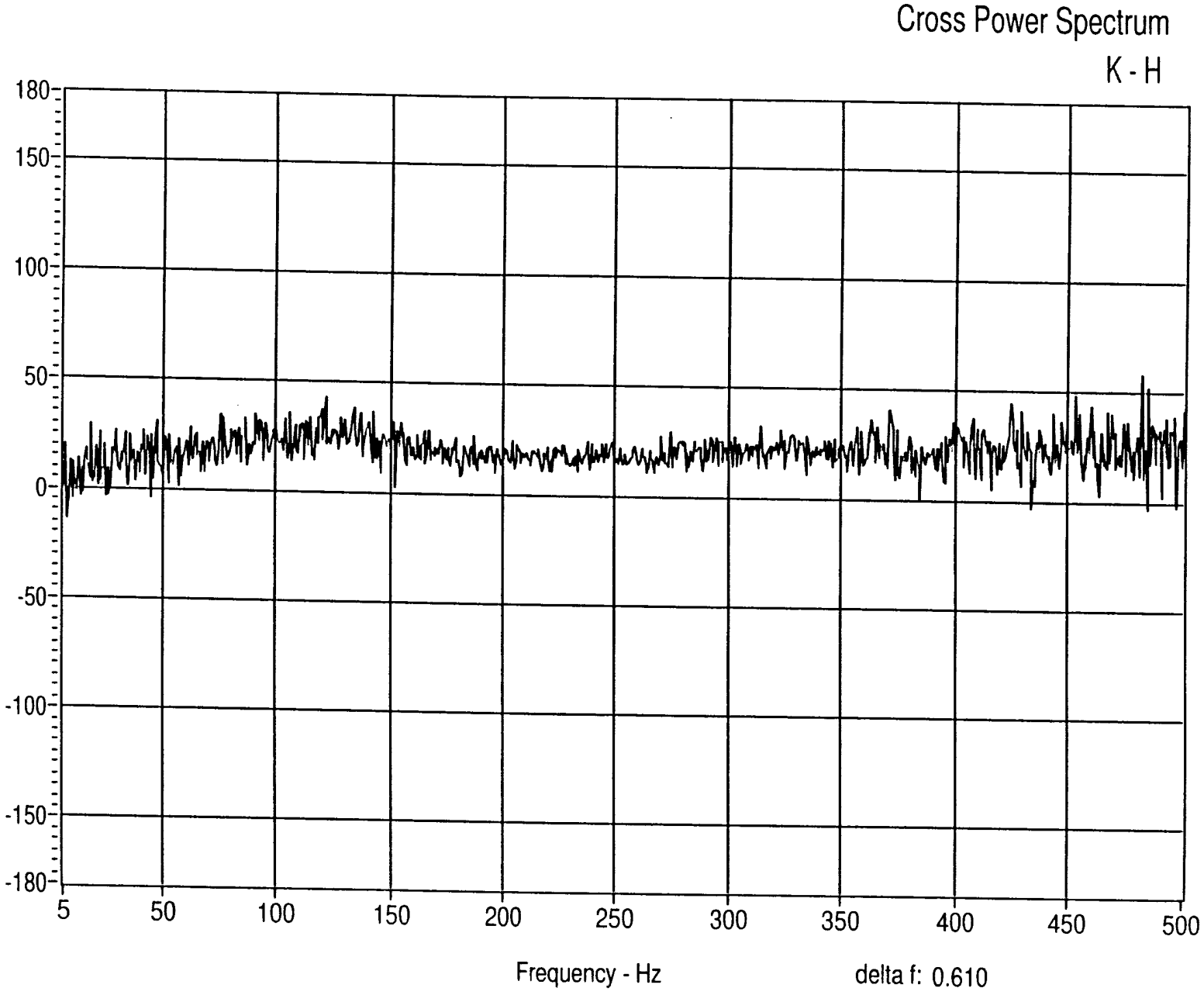
F-15 TPN_2864: alpha=8 beta=-4 bp=0



F-15 TPN_2870: alpha=20 beta=-4 bp=0

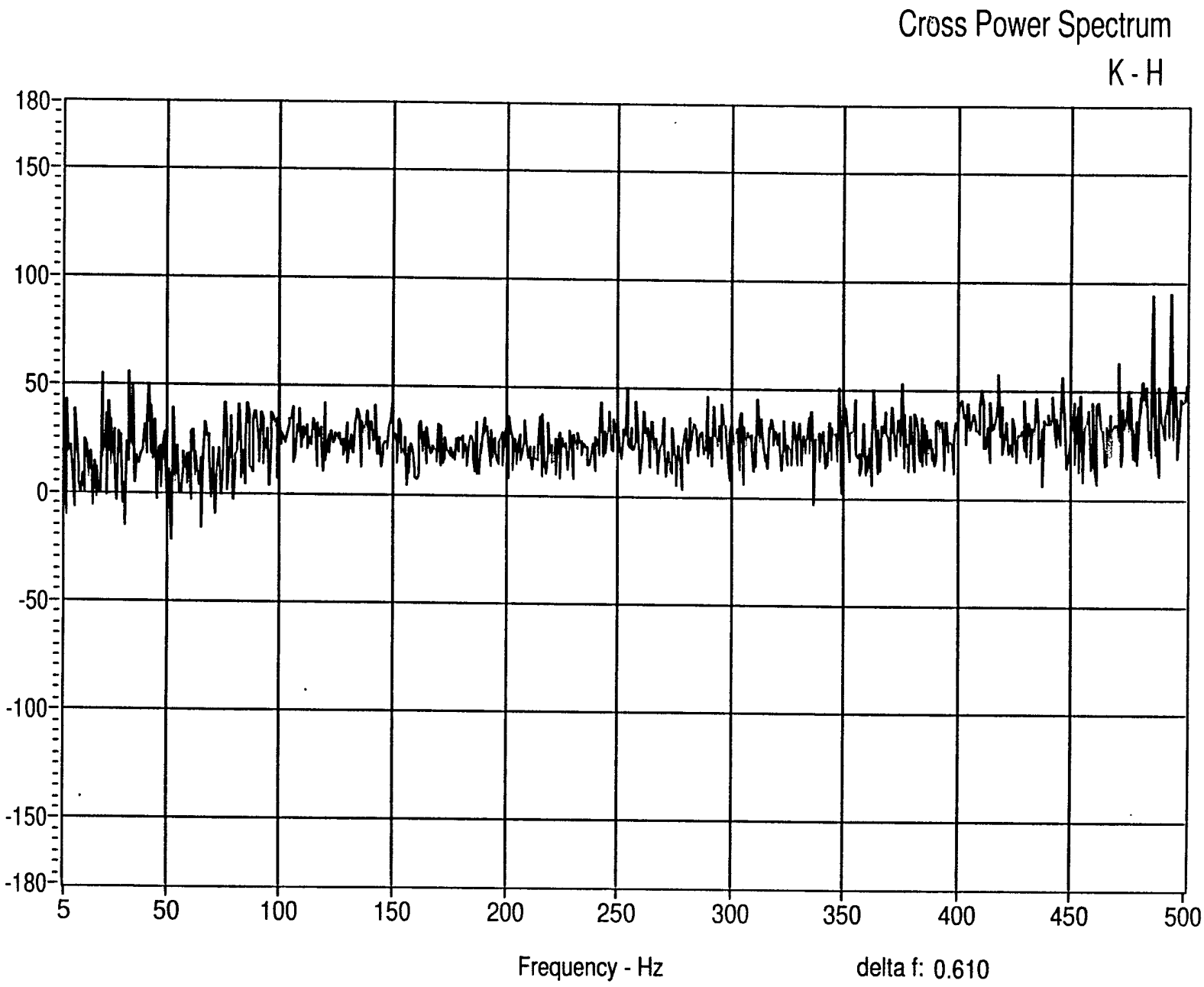


F-15 TPN_2872: alpha=24 beta=-4 bp=0



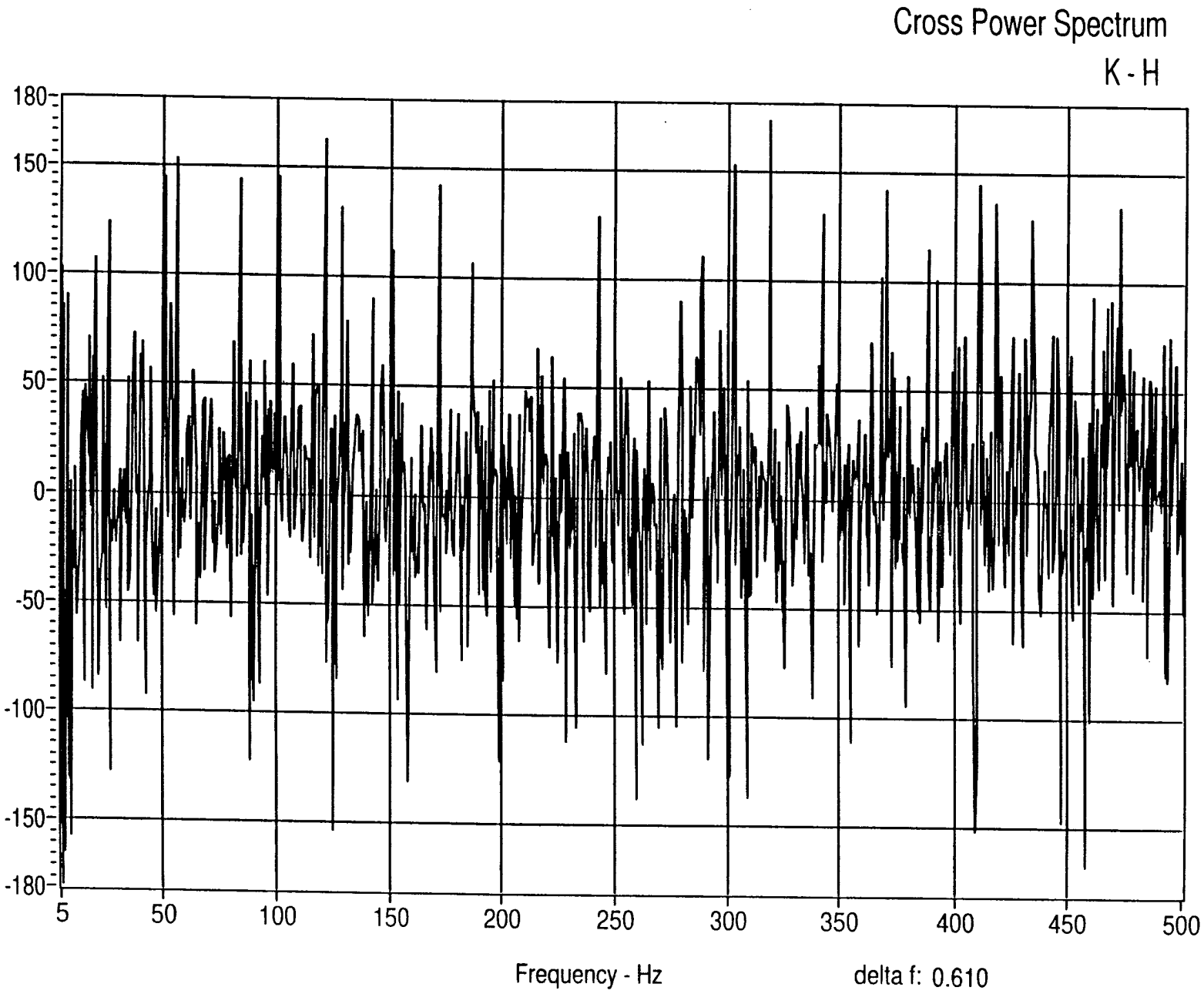
750

F-15 TPN_2874: alpha=32 beta=-4 bp=0



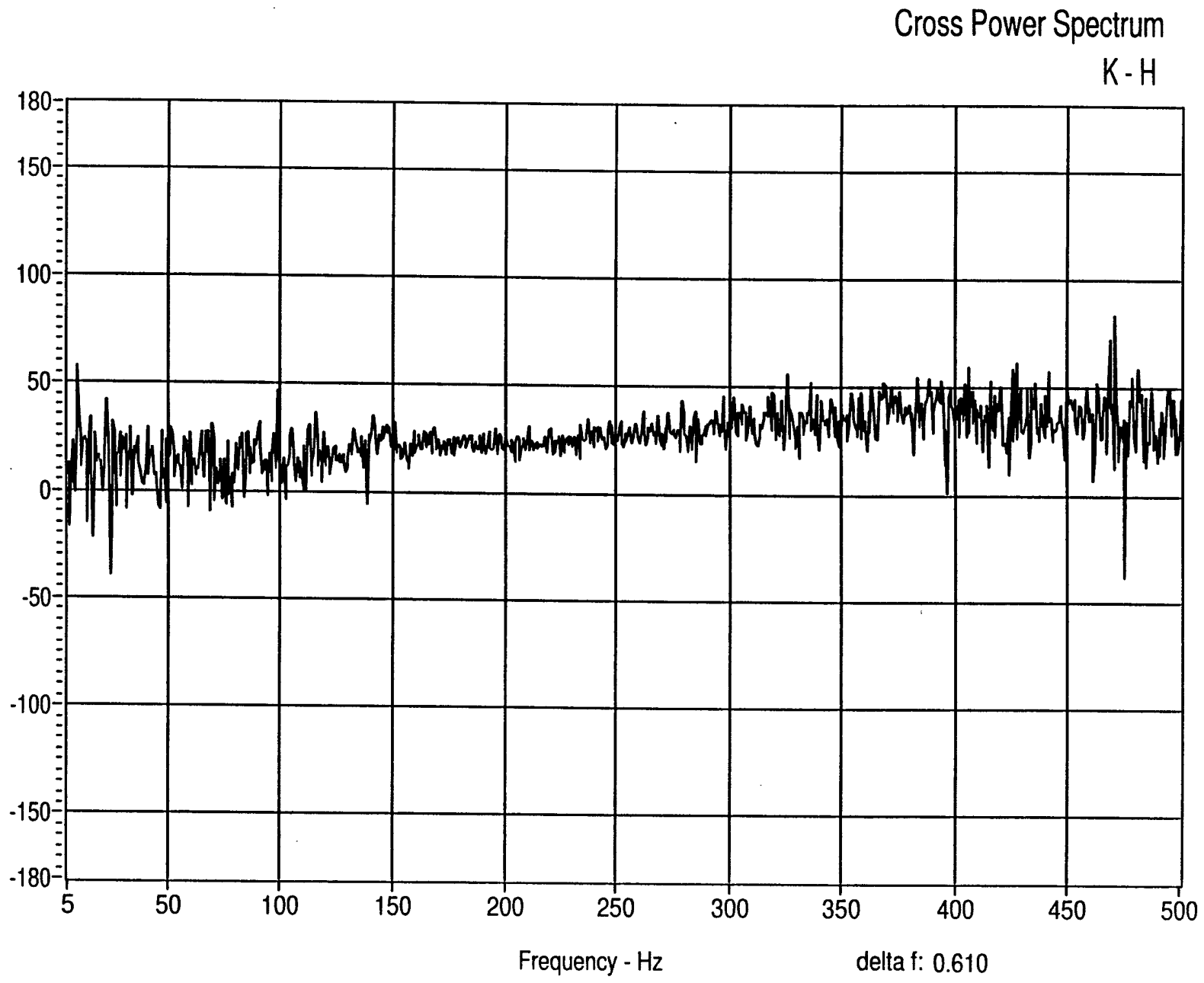
751

F-15 TPN_3351: alpha=8 beta=4 bp=45

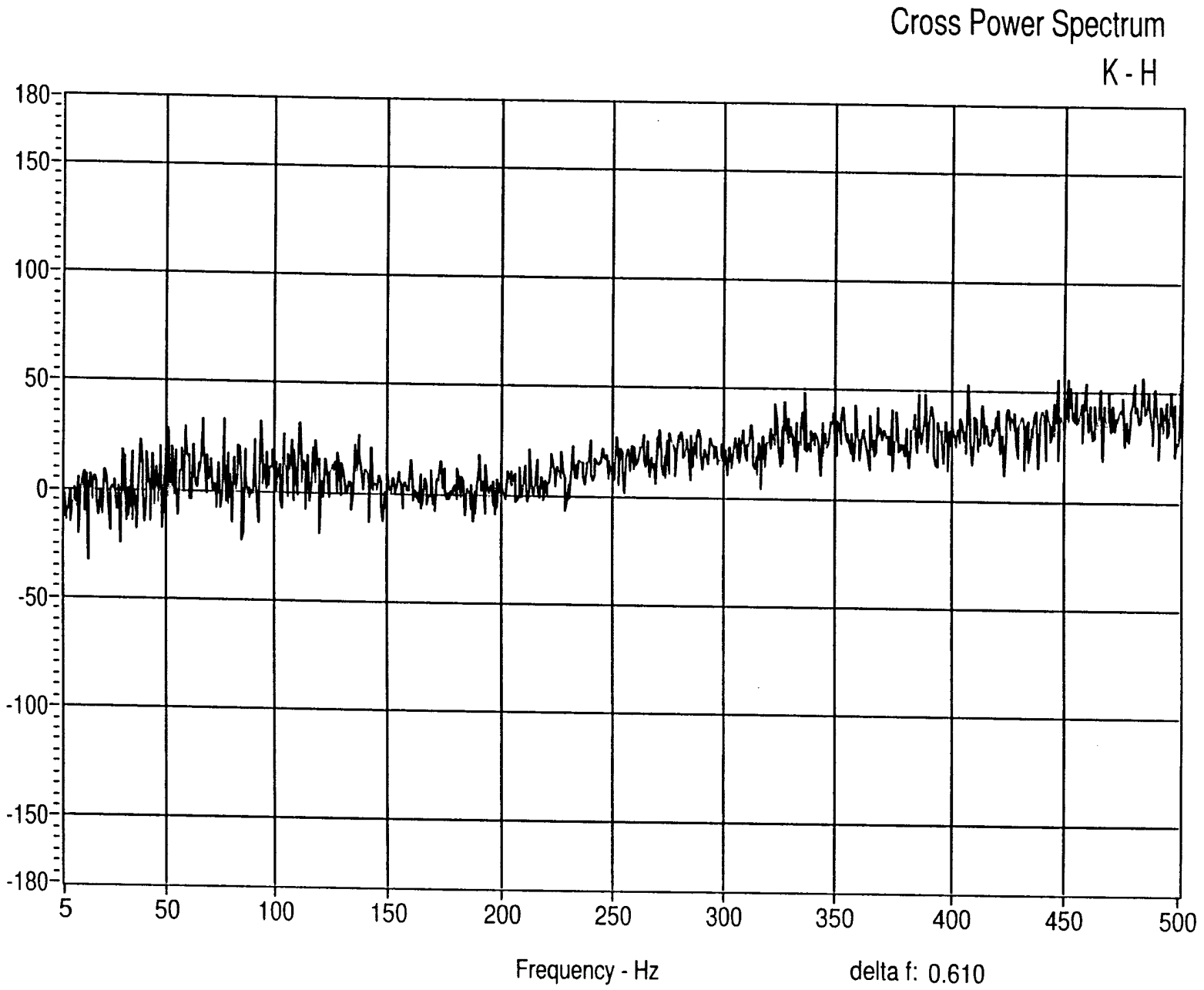


752

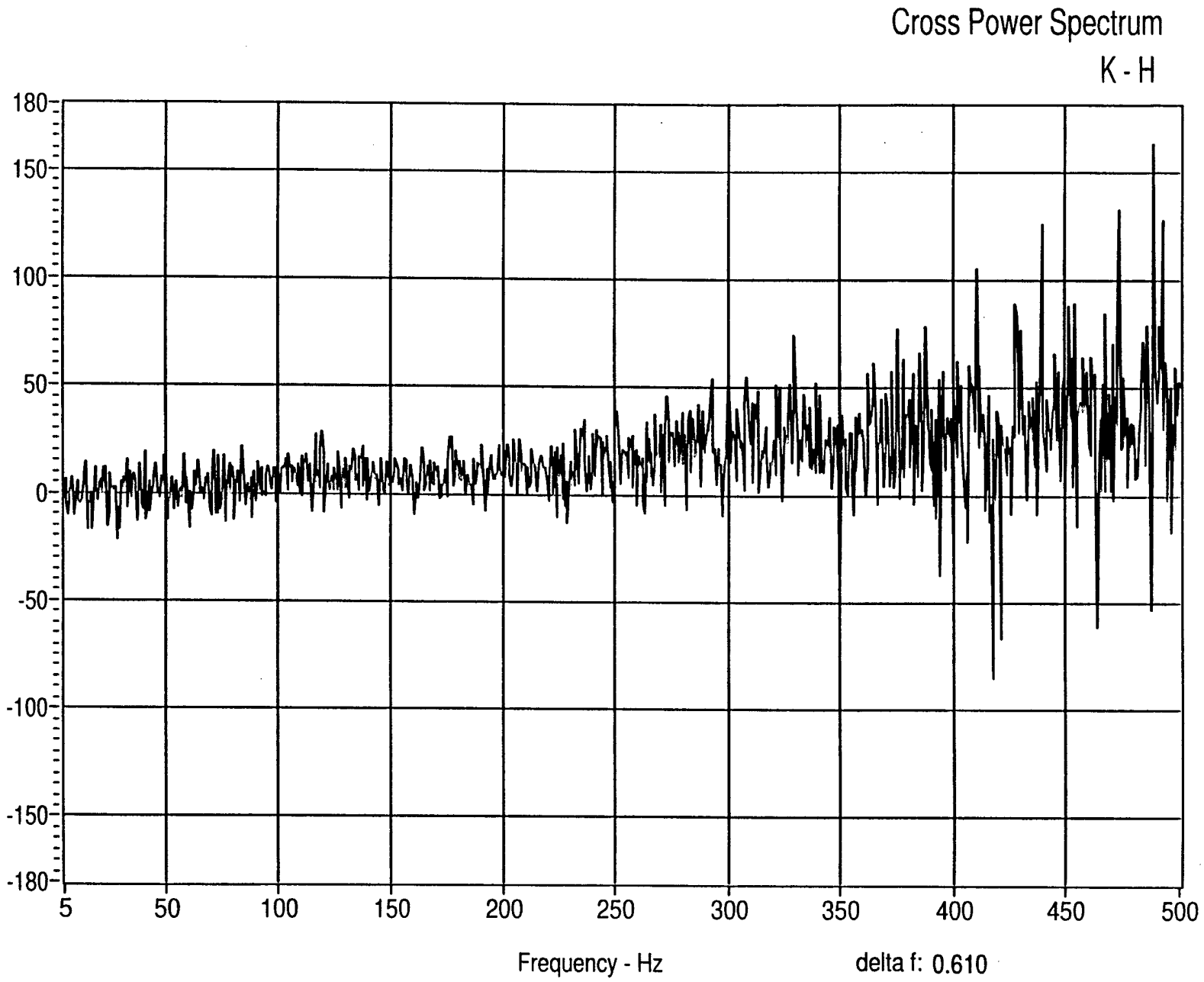
F-15 TPN_3357: alpha=20 beta=4 bp=45



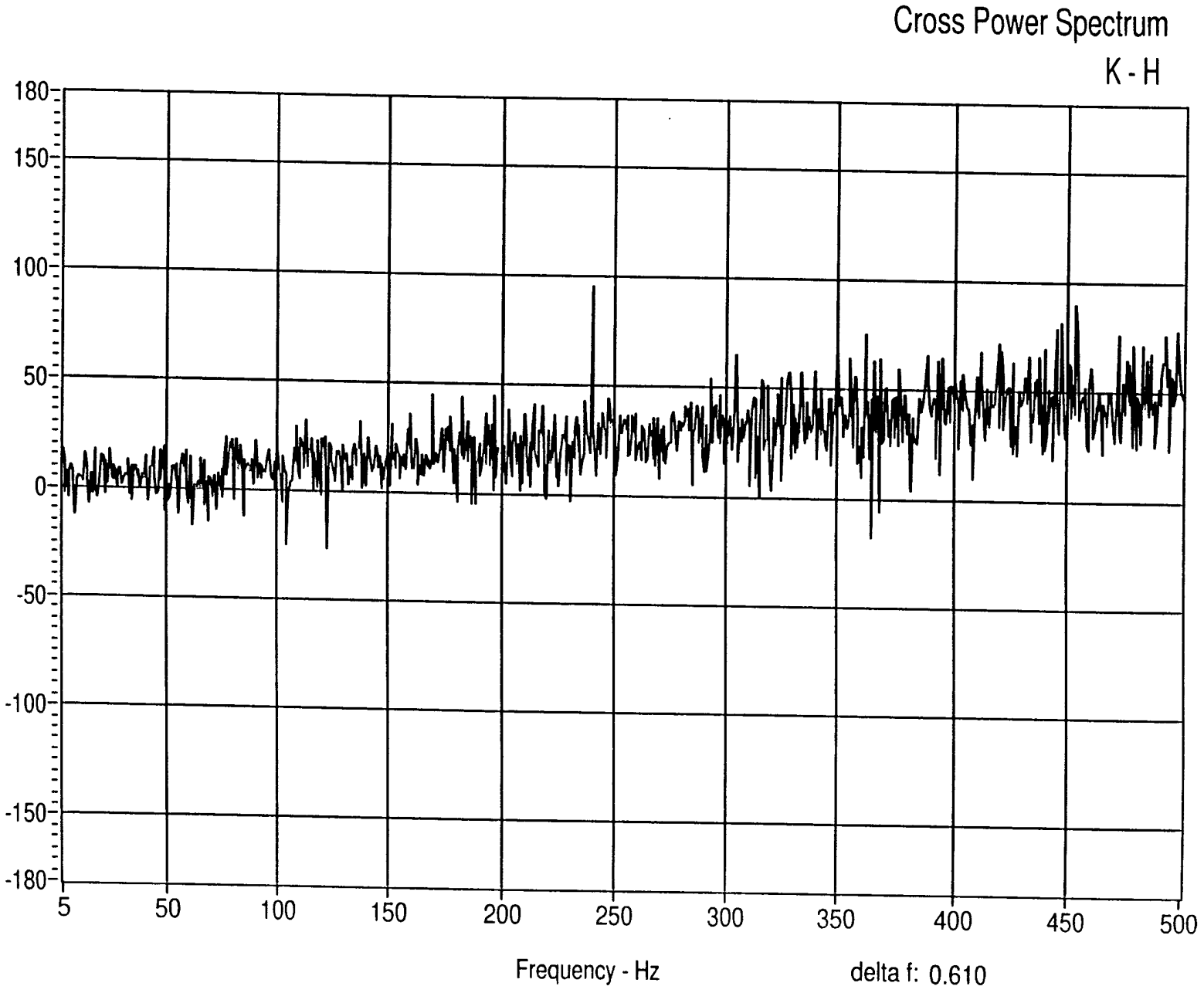
F-15 TPN_3359: alpha=24 beta=4 bp=45



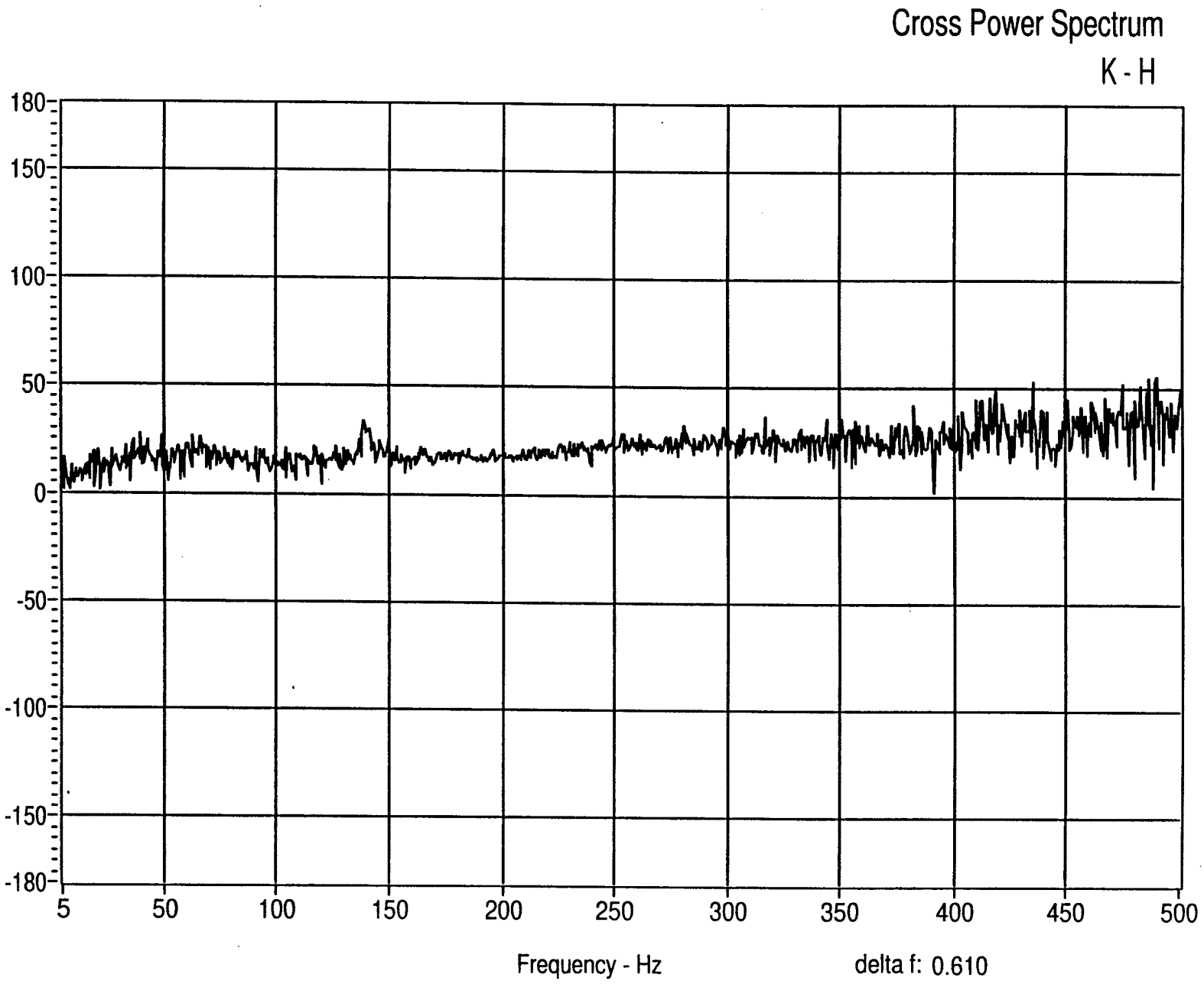
F-15 TPN_3361: alpha=32 beta=4 bp=45



F-15 TPN_3333: alpha=8 beta=0 bp=45

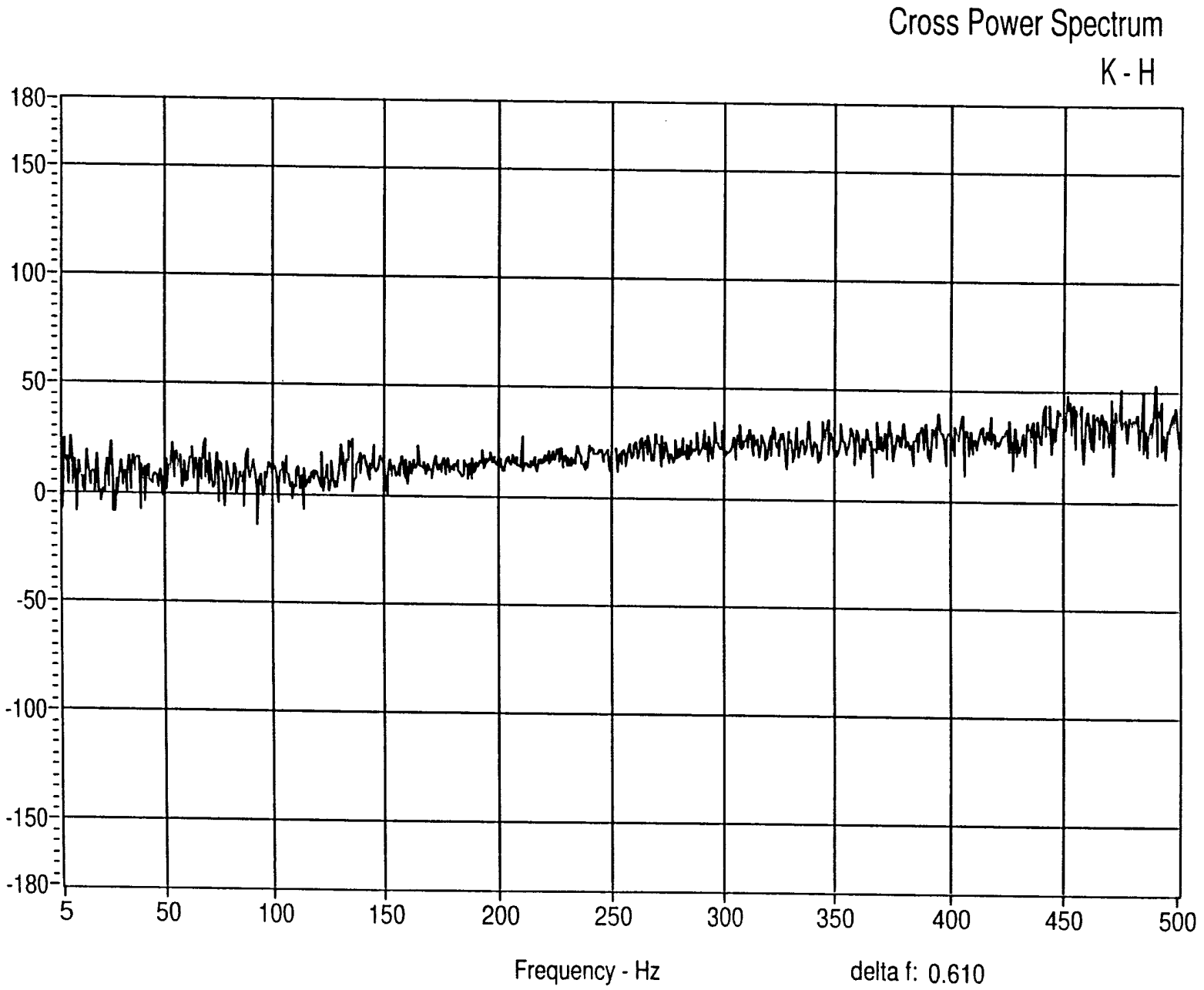


F-15 TPN_3339: alpha=20 beta=0 bp=45

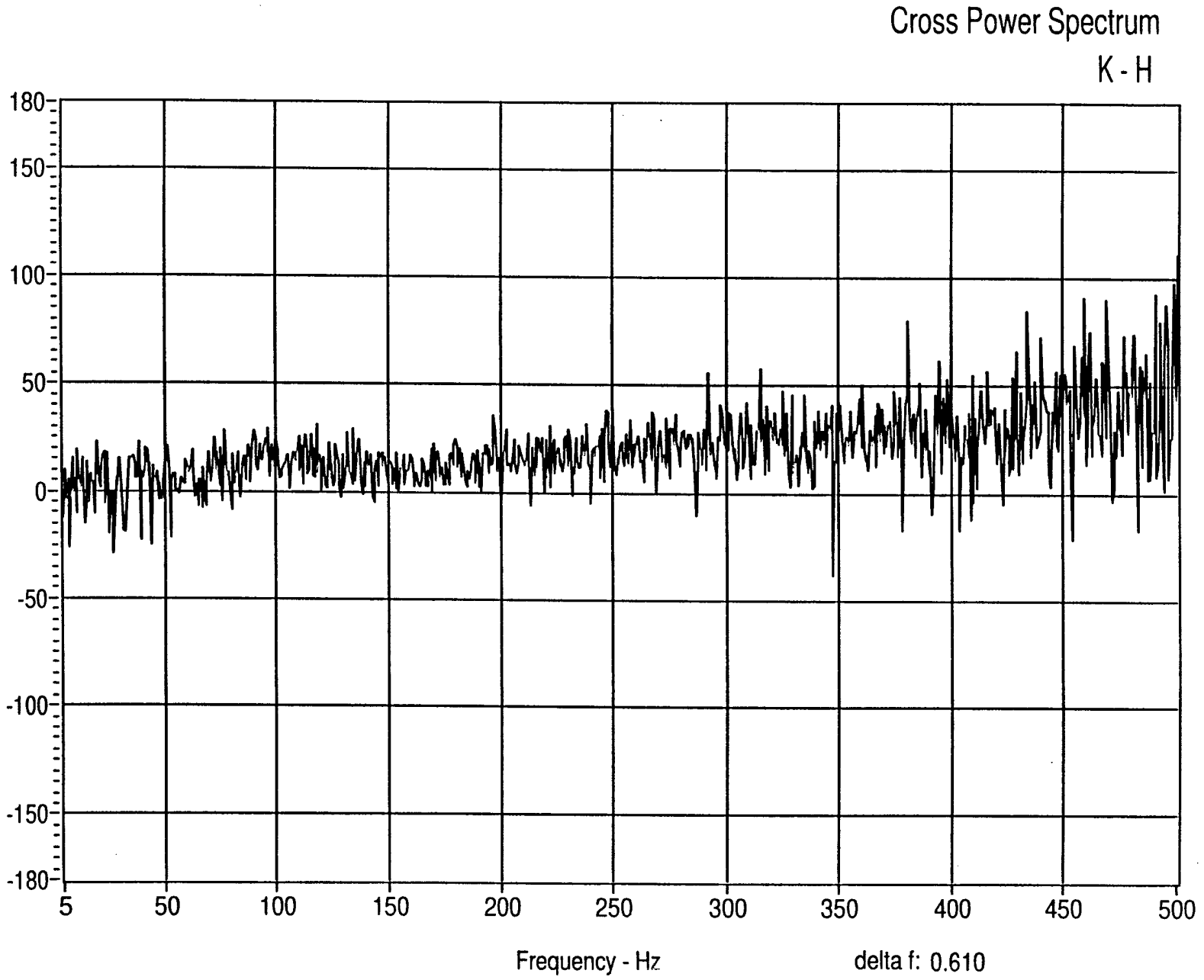


757

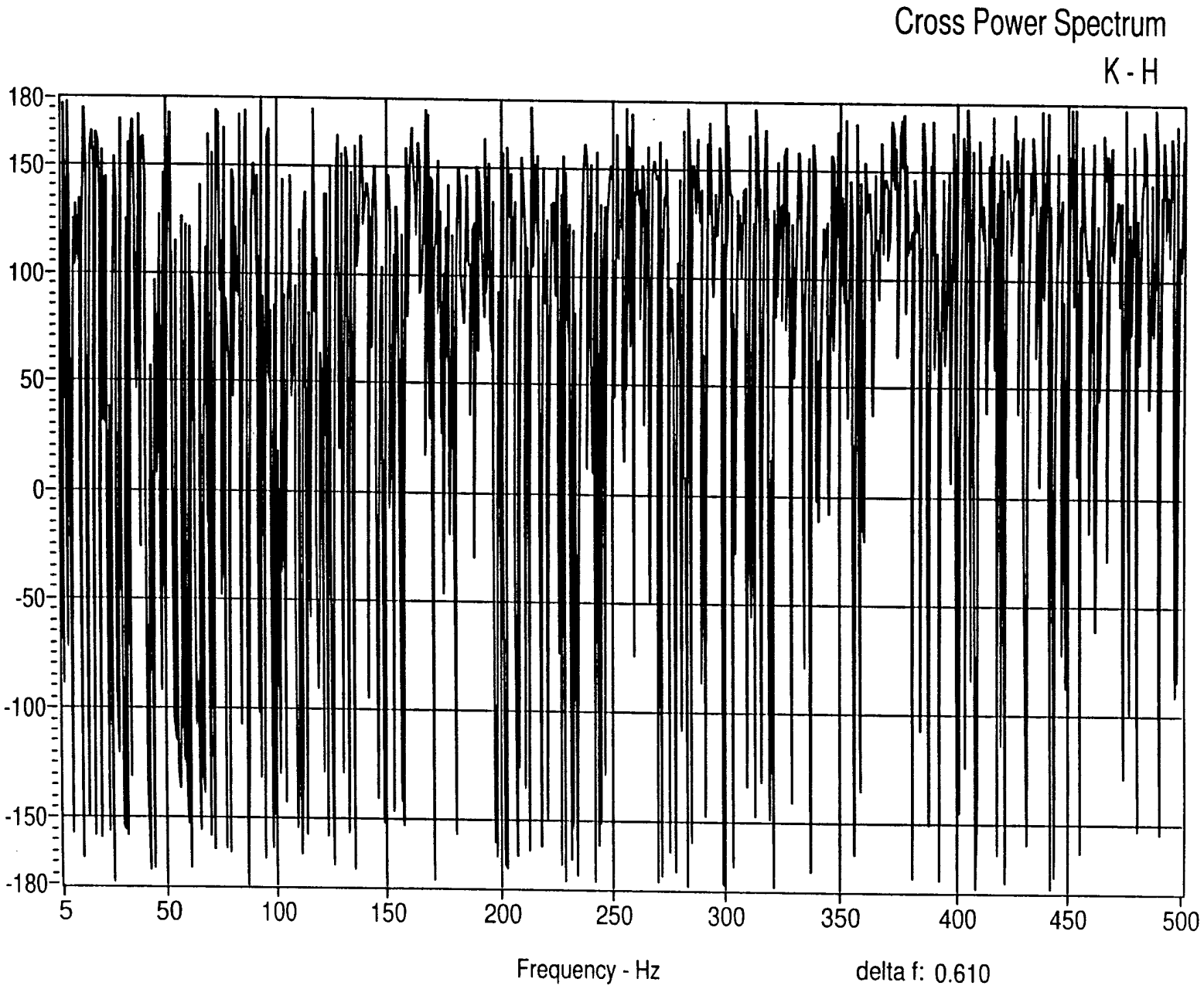
F-15 TPN_3341: alpha=24 beta=0 bp=45



F-15 TPN_3343: alpha=32 beta=0 bp=45

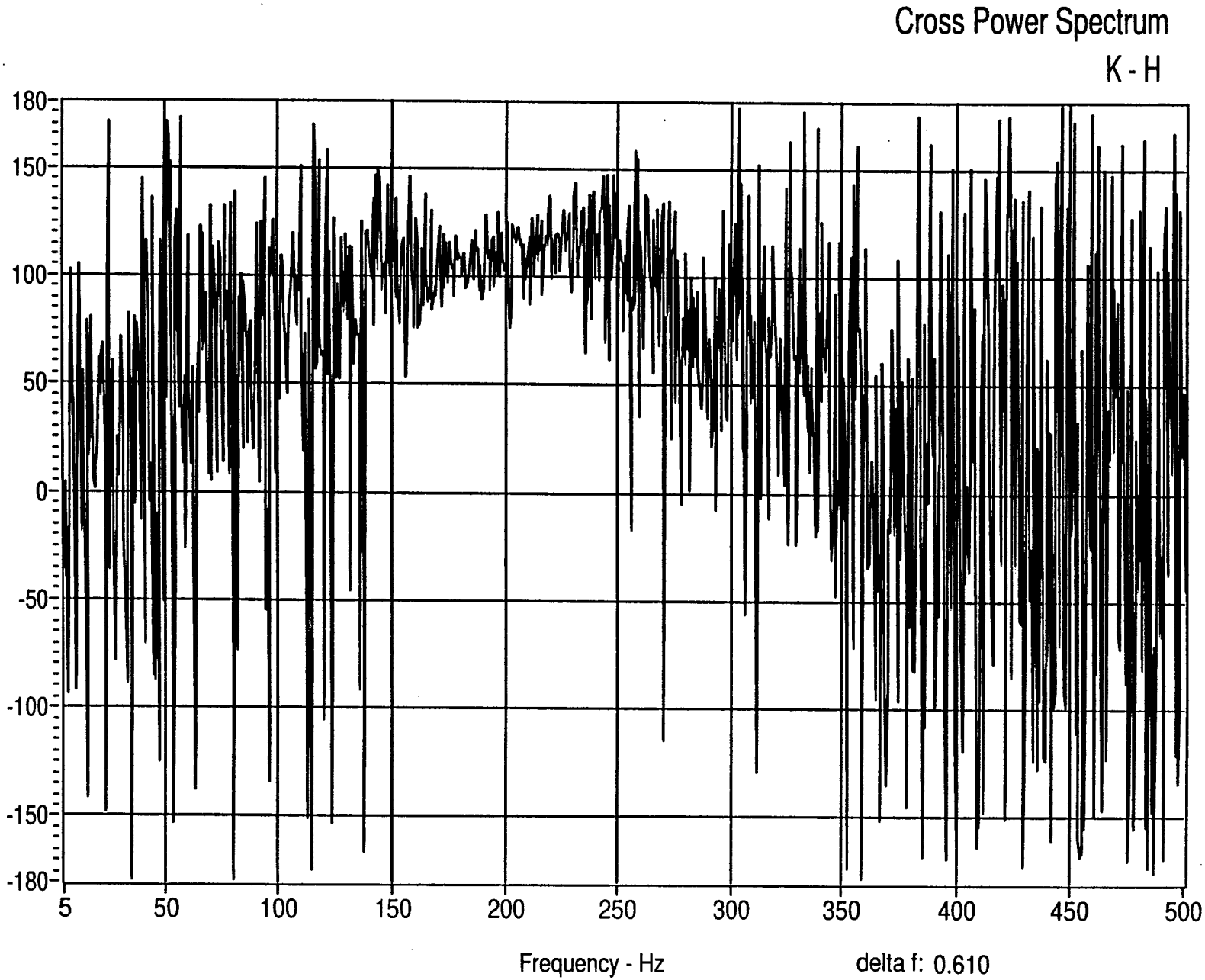


F-15 TPN_3369: alpha=8 beta=-4 bp=45



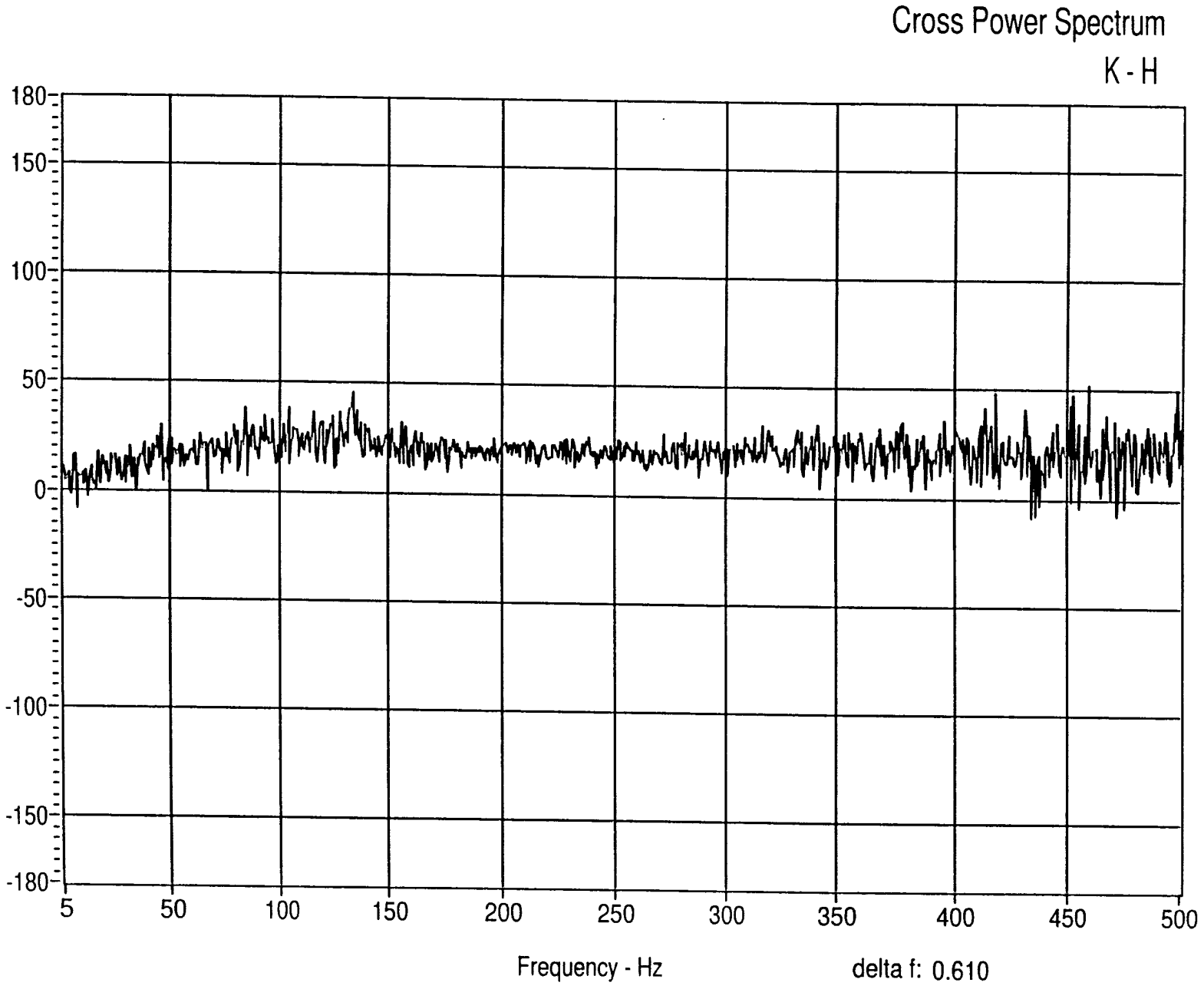
760

F-15 TPN_3375: alpha=20 beta=-4 bp=45



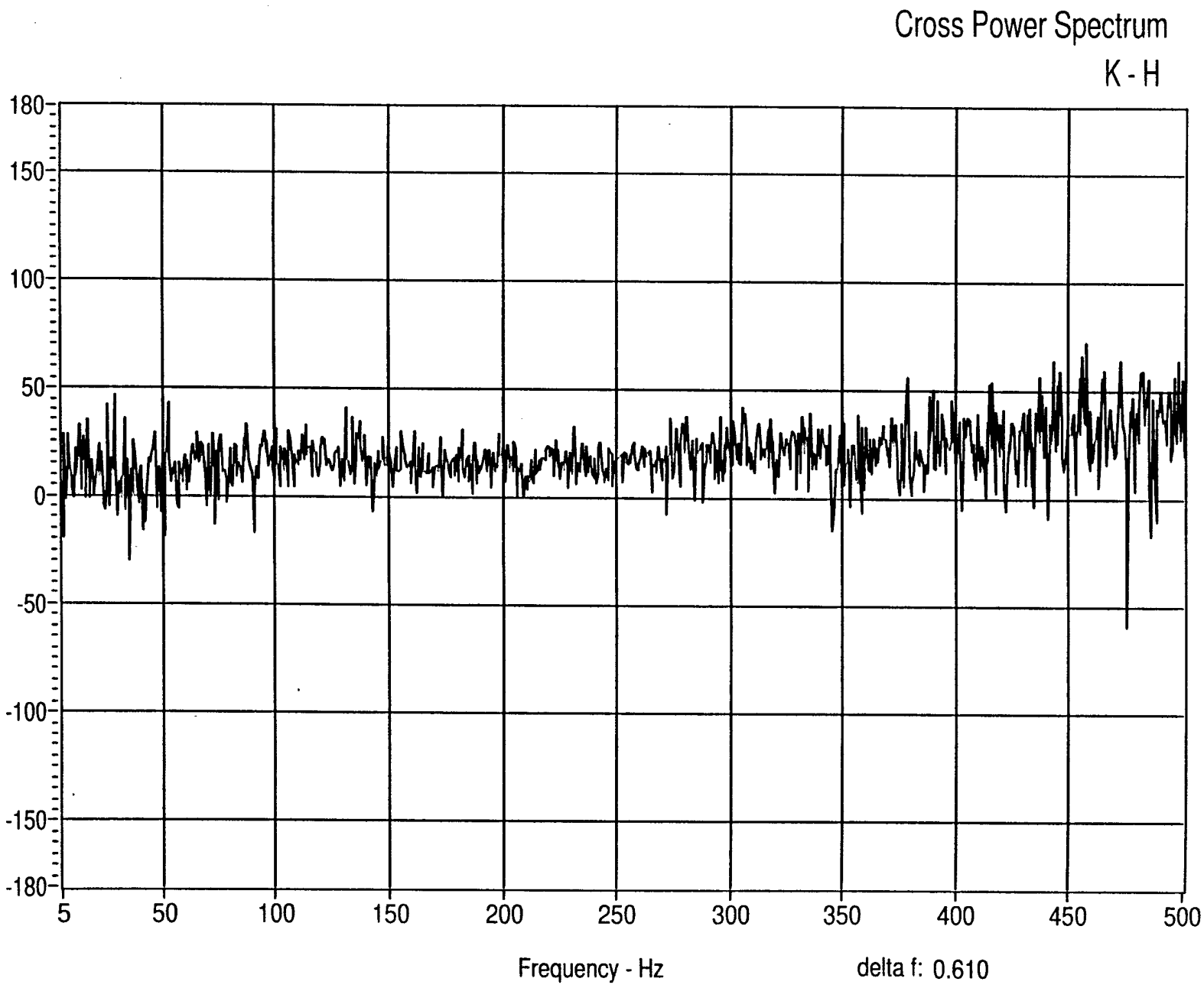
761

F-15 TPN_3377: alpha=24 beta=-4 bp=45



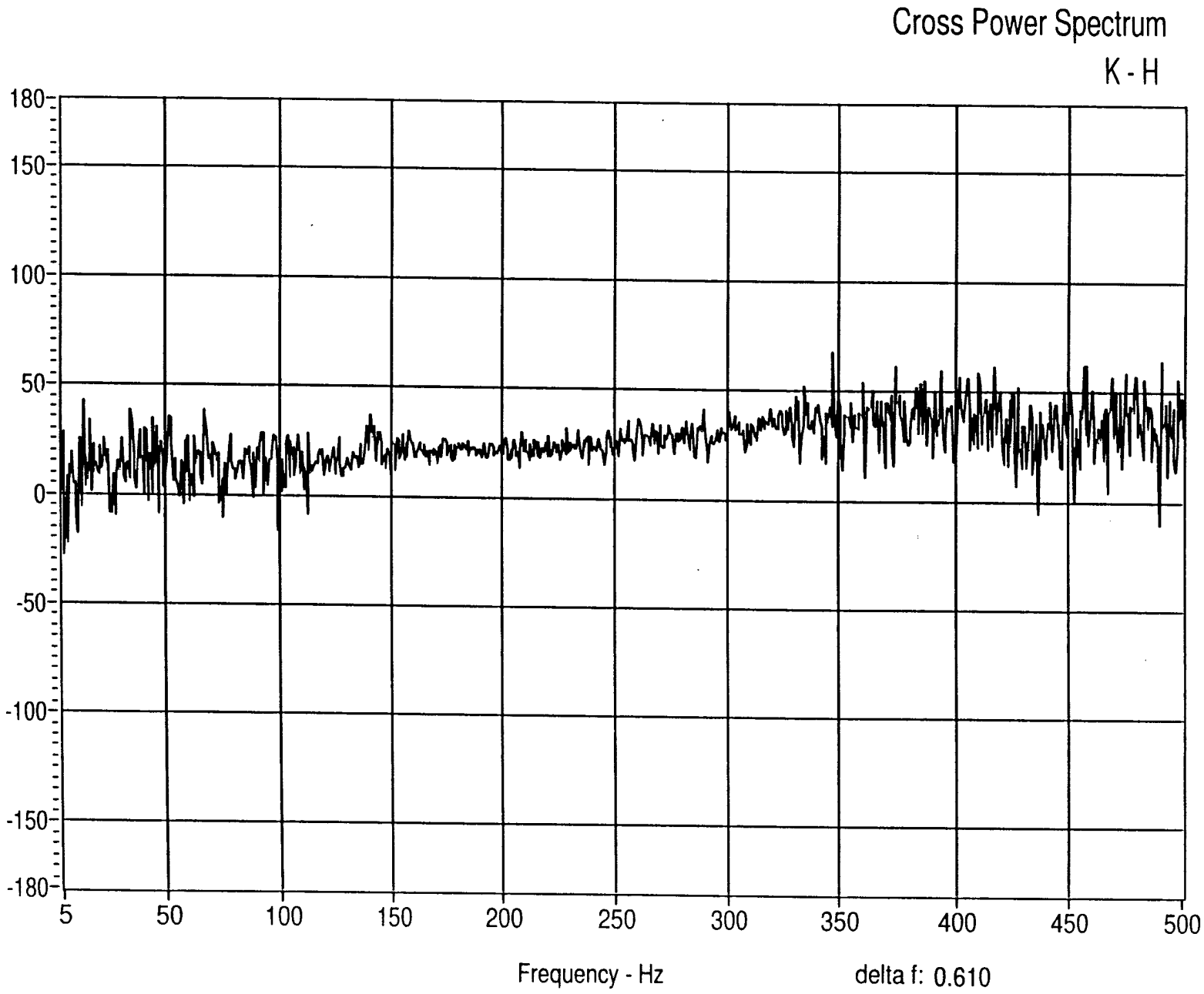
762

F-15 TPN_3379: alpha=32 beta=-4 bp=45

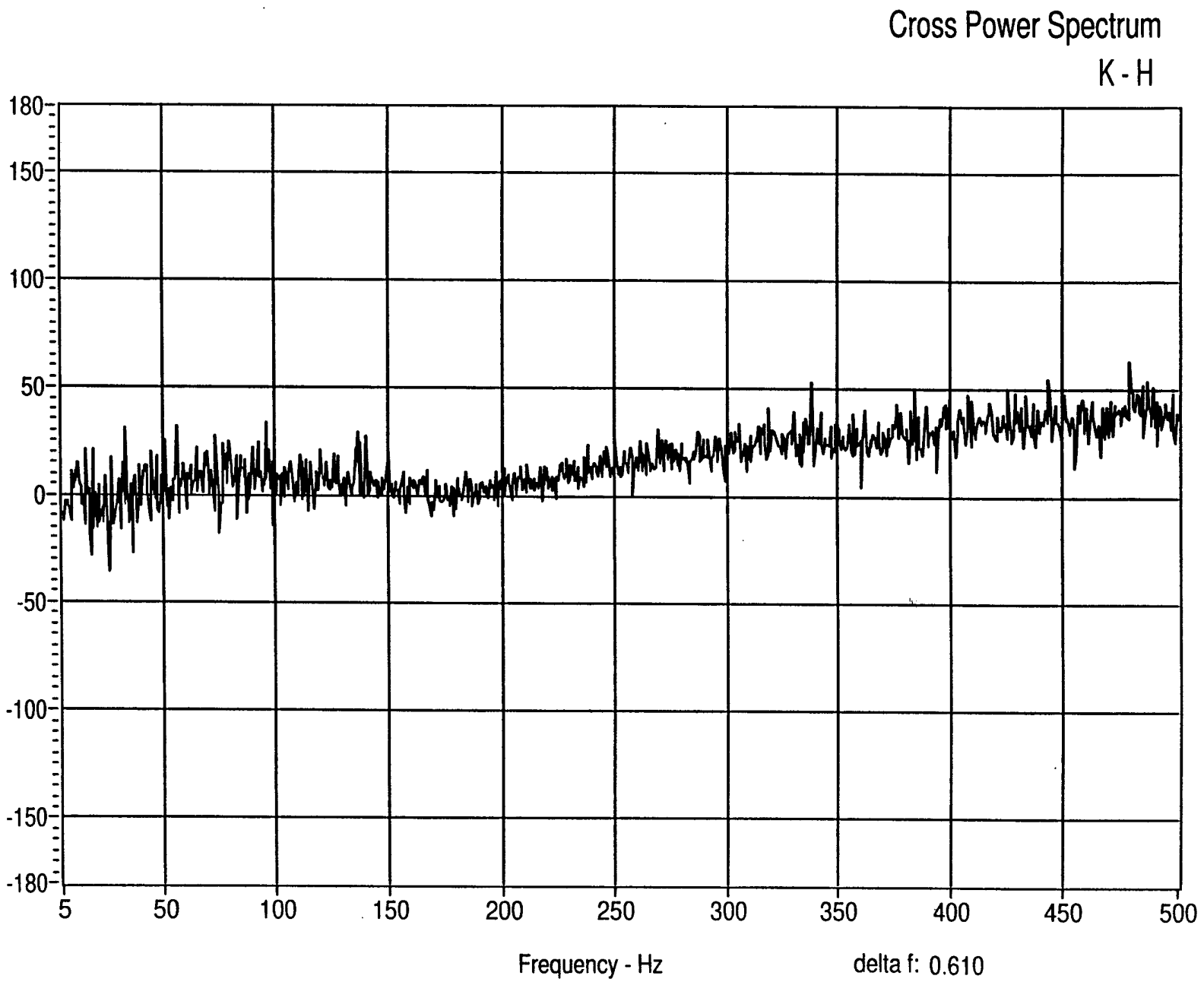


763

F-15 TPN_3046: alpha=20 beta=4 bp=65

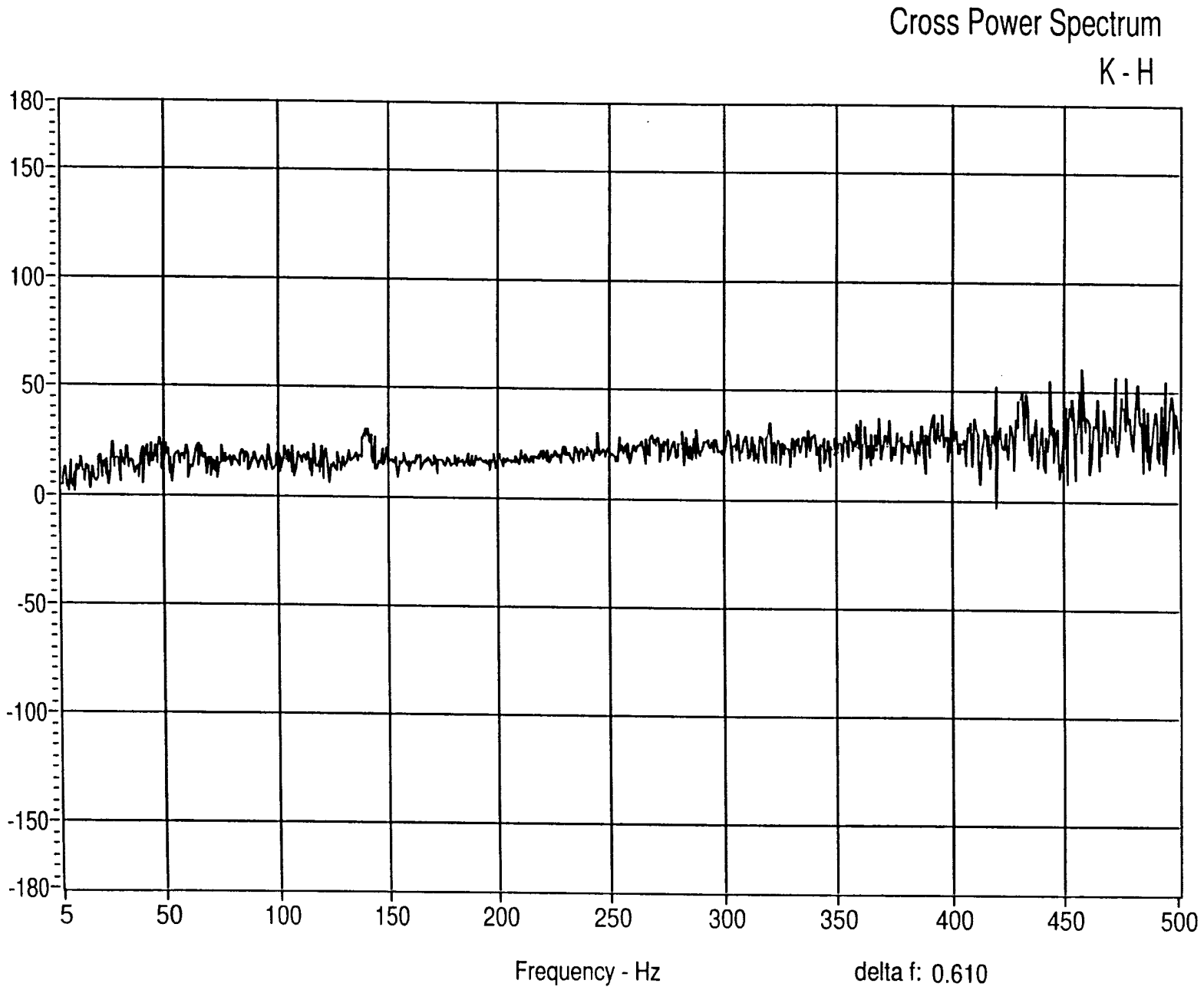


F-15 TPN_3048: alpha=24 beta=4 bp=65



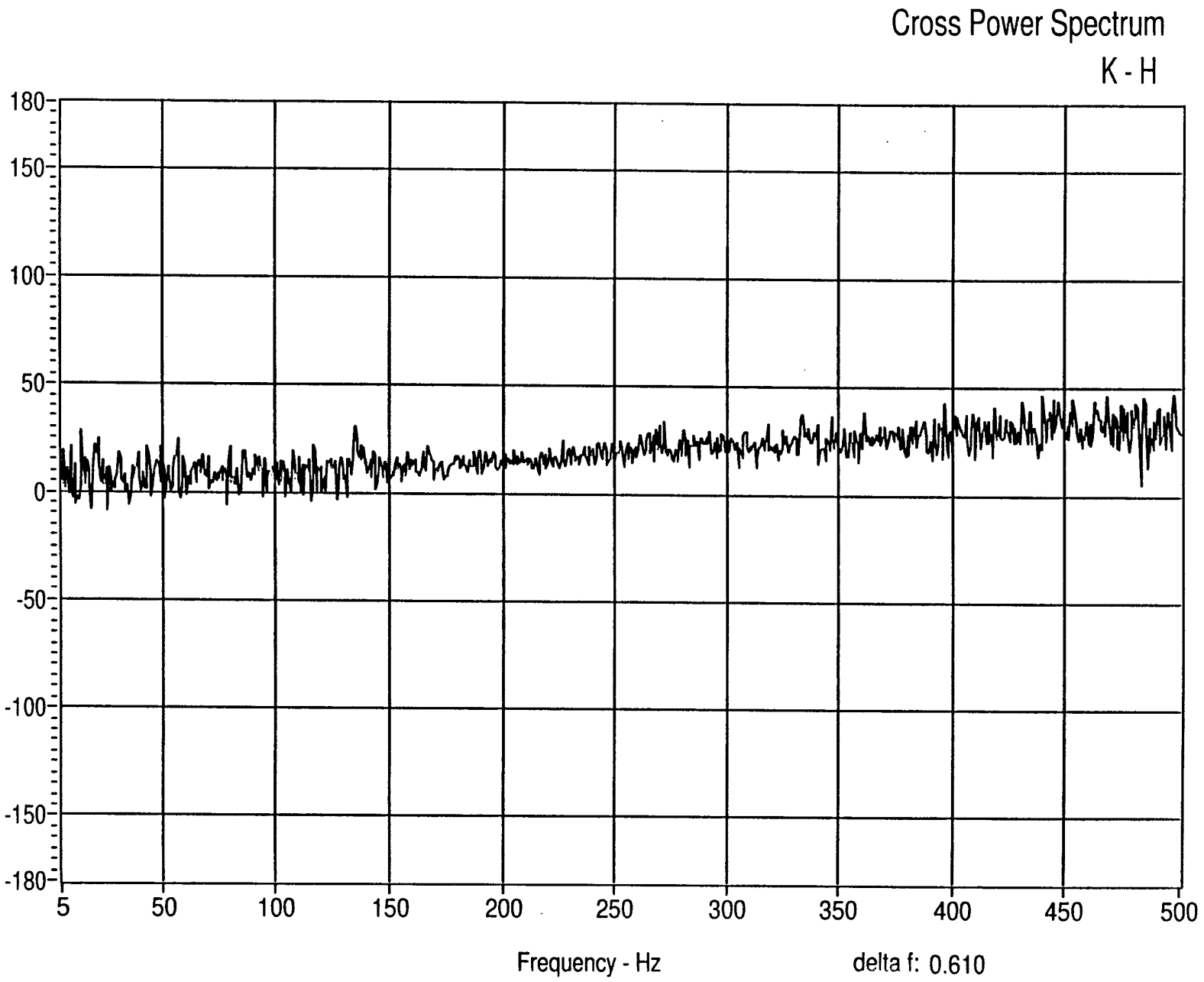
765

F-15 TPN_3040: alpha=20 beta=0 bp=65



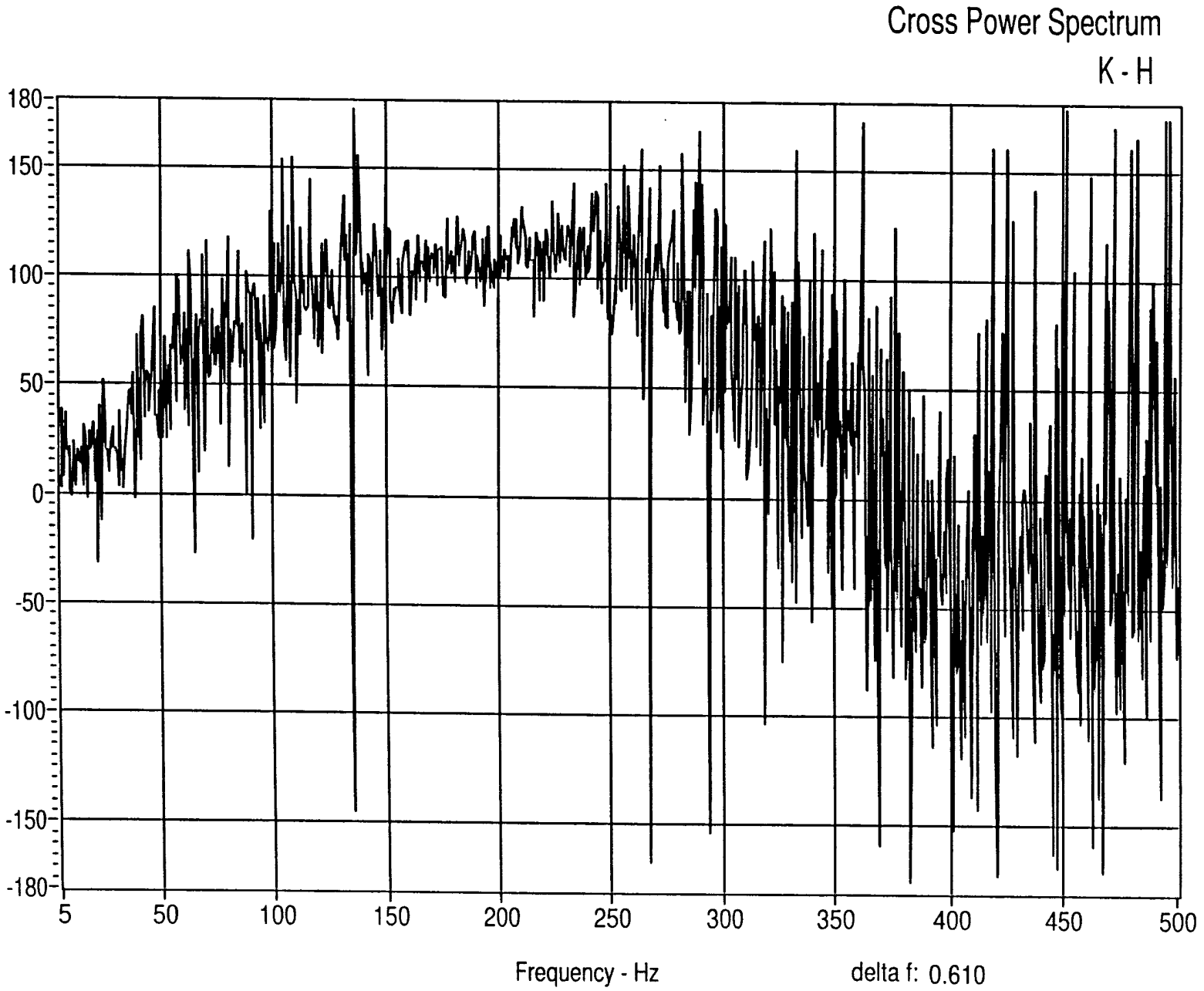
766

F-15 TPN_3042: alpha=24 beta=0 bp=65



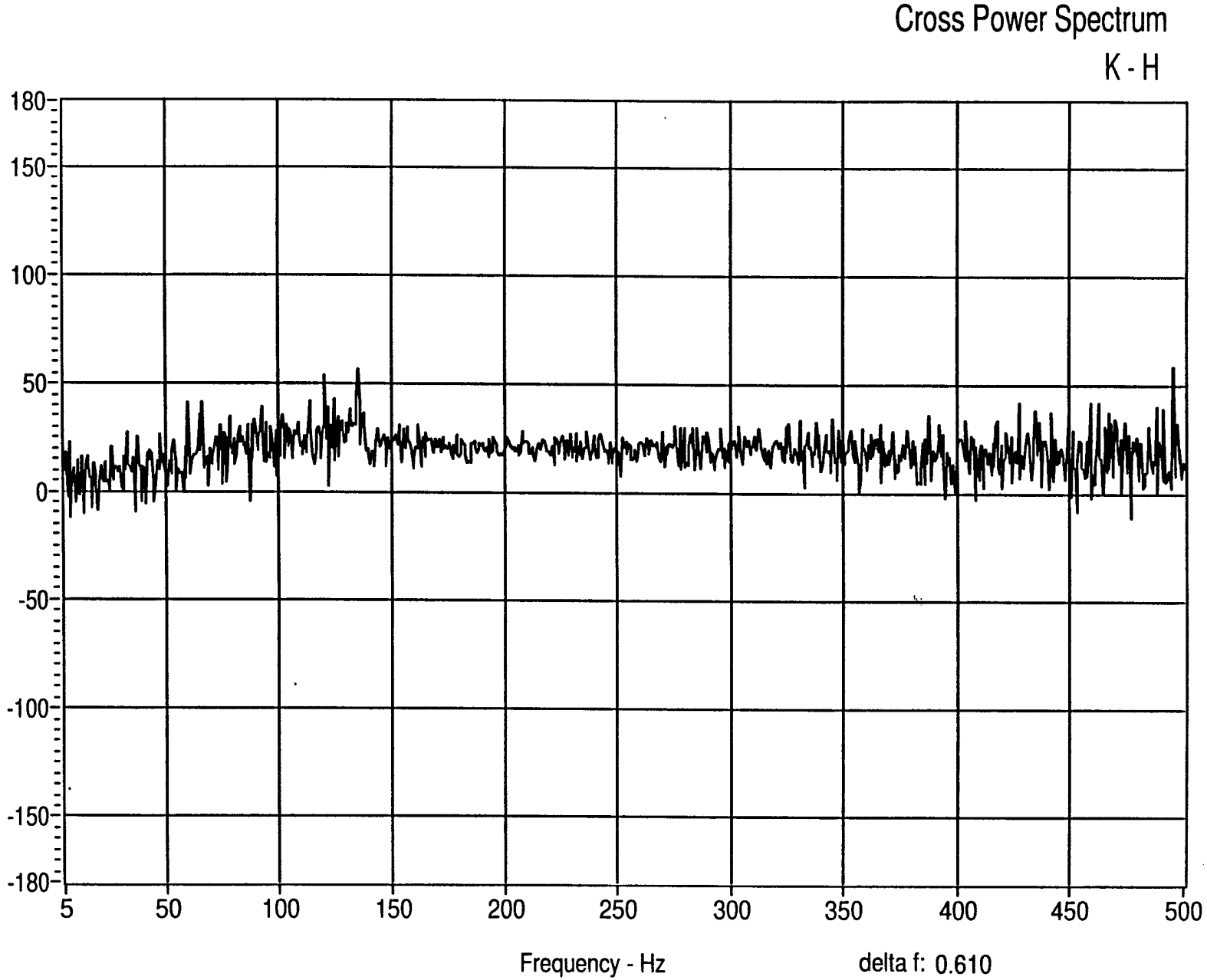
767

F-15 TPN_3034: alpha=20 beta=-4 bp=65



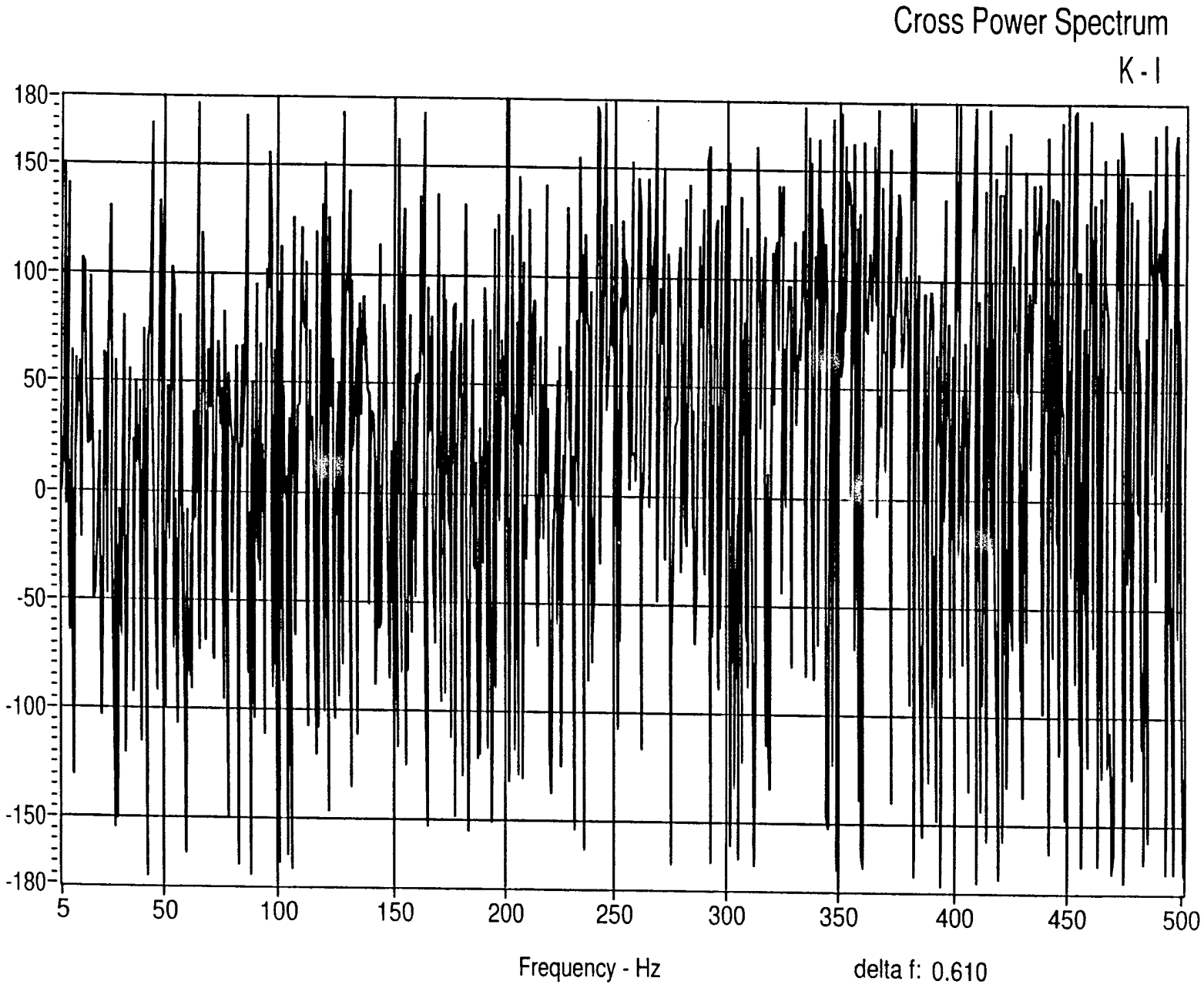
7668

F-15 TPN_3036: alpha=24 beta=-4 bp=65



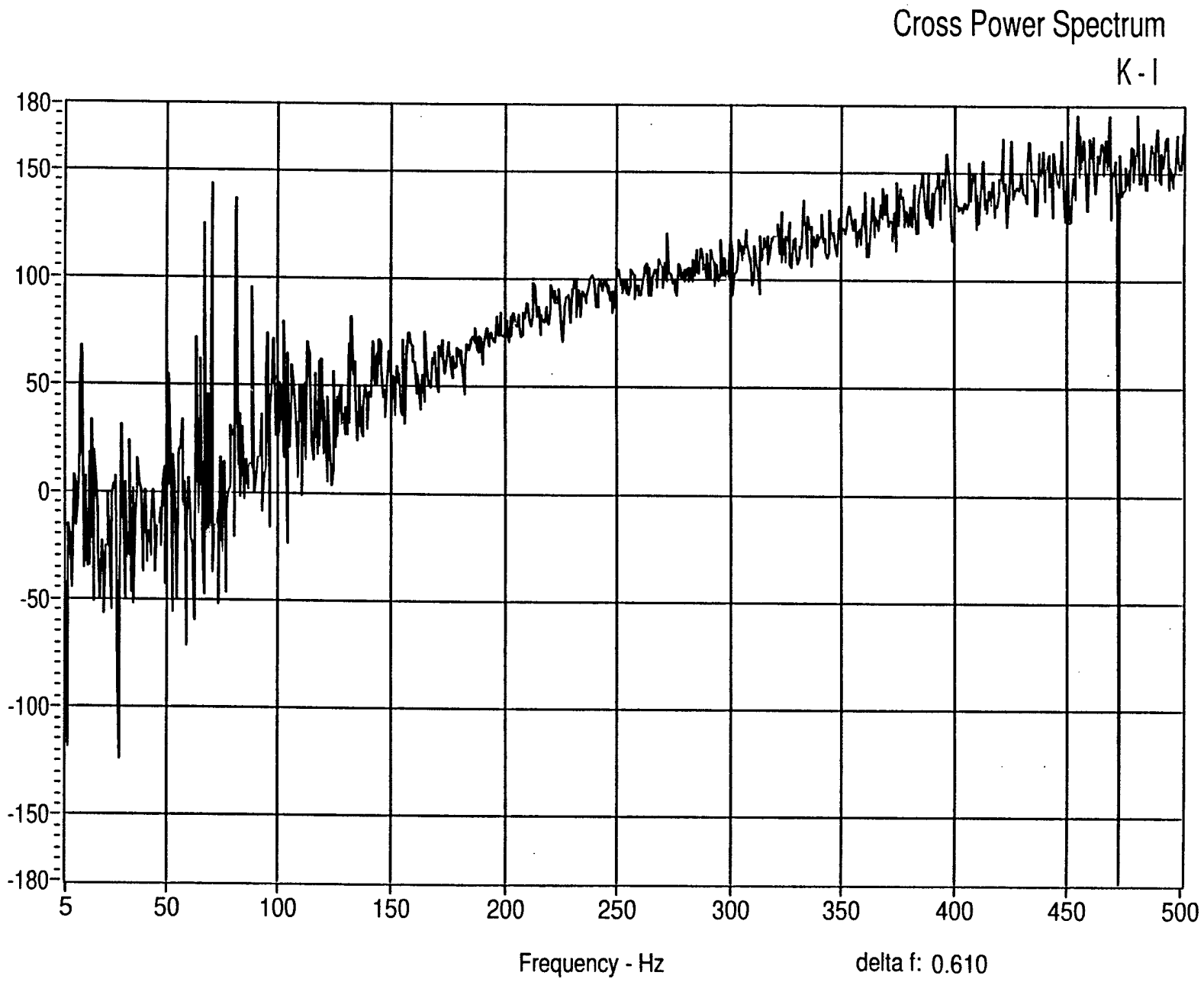
769

F-15 TPN_2918: alpha=8 beta=4 bp=0

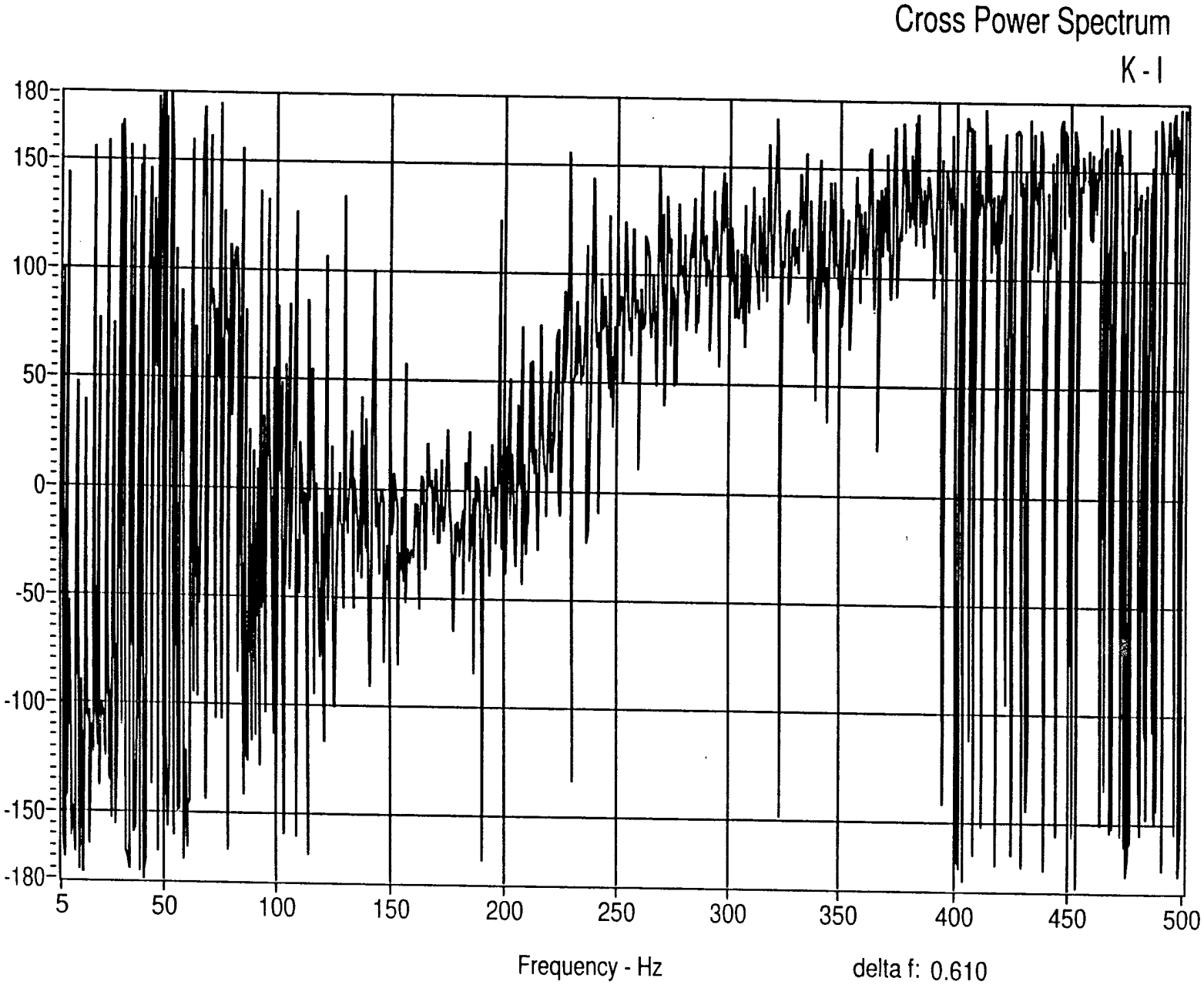


770

F-15 TPN_2924: alpha=20 beta=4 bp=0

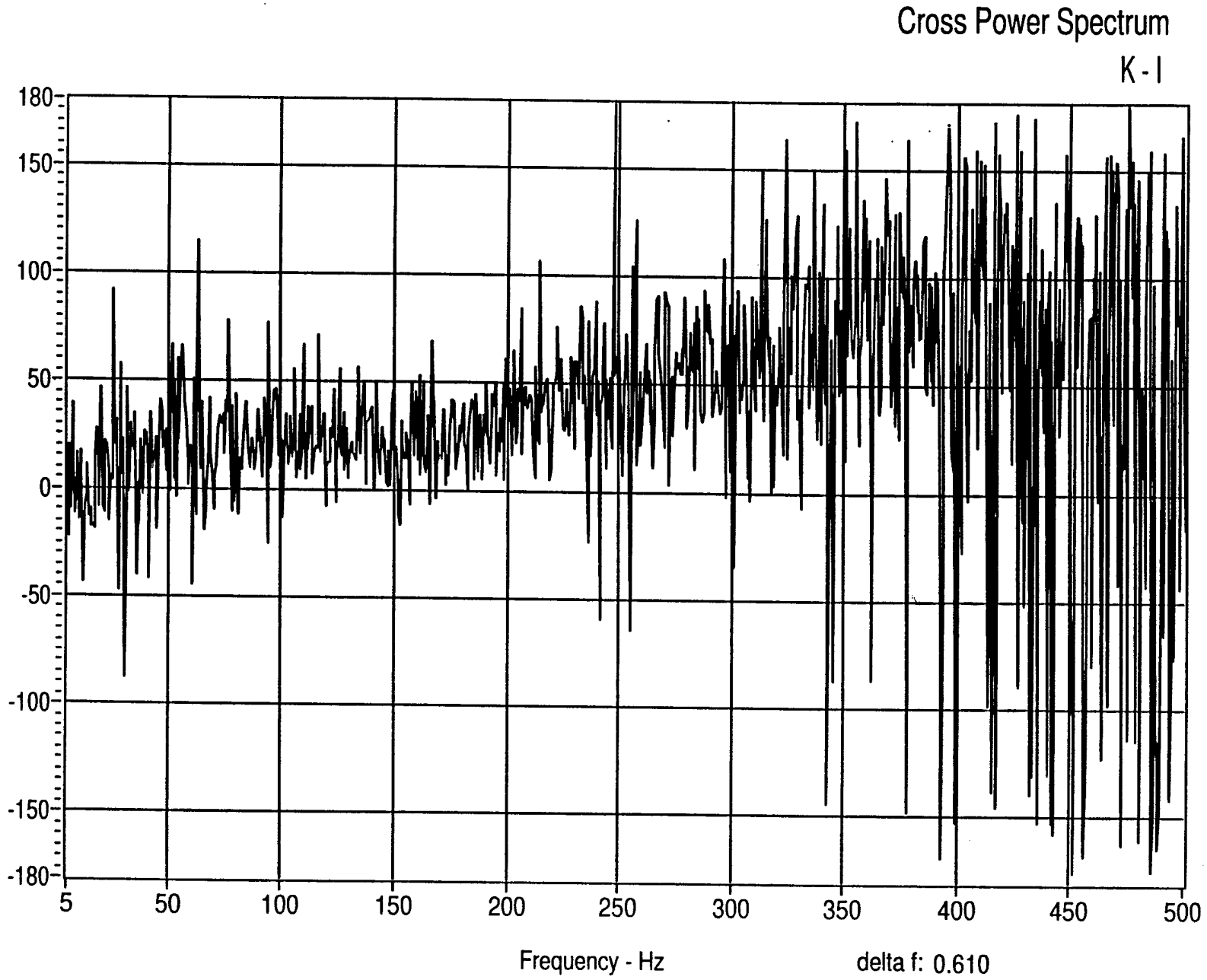


F-15 TPN_2926: alpha=24 beta=4 bp=0

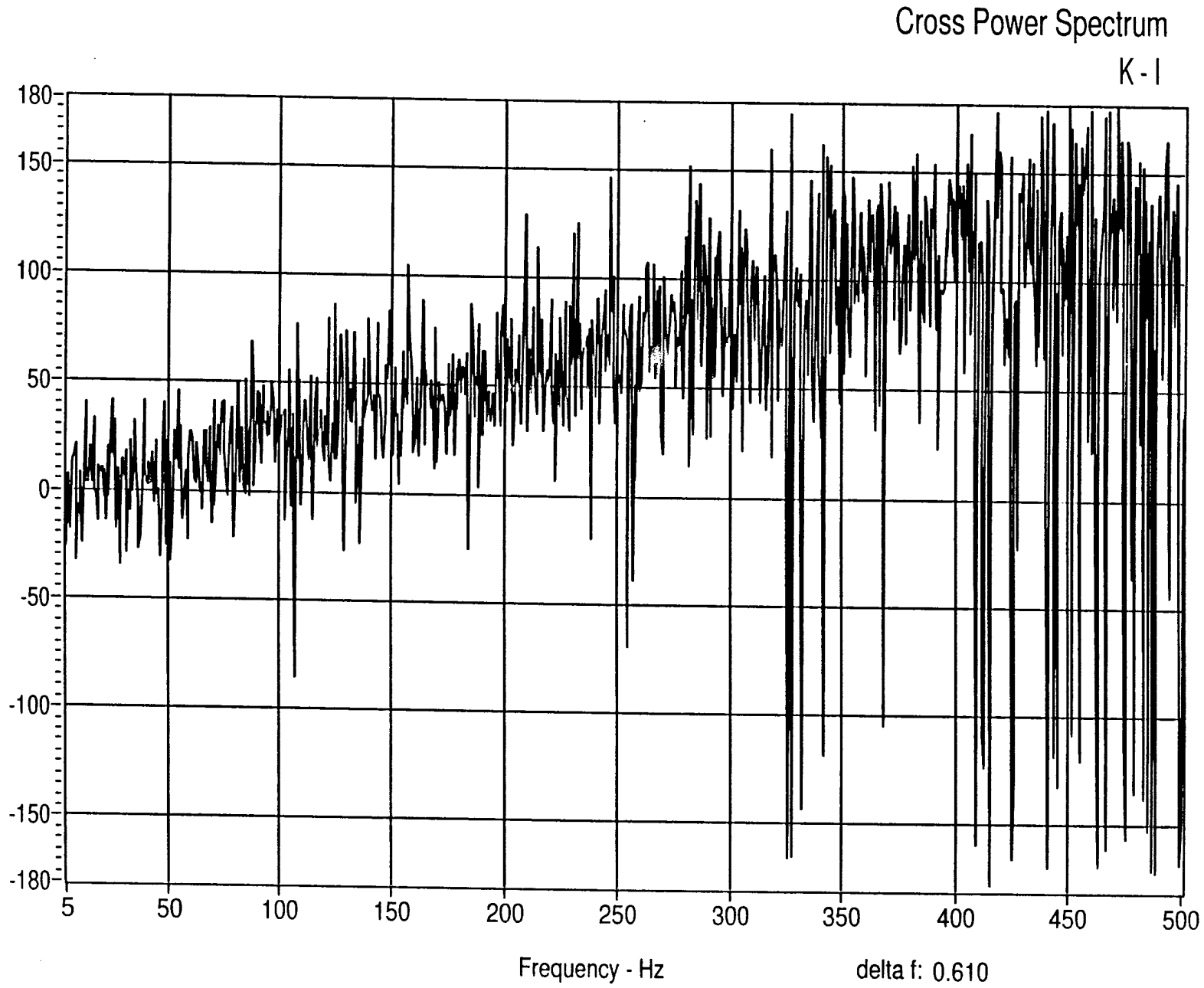


772

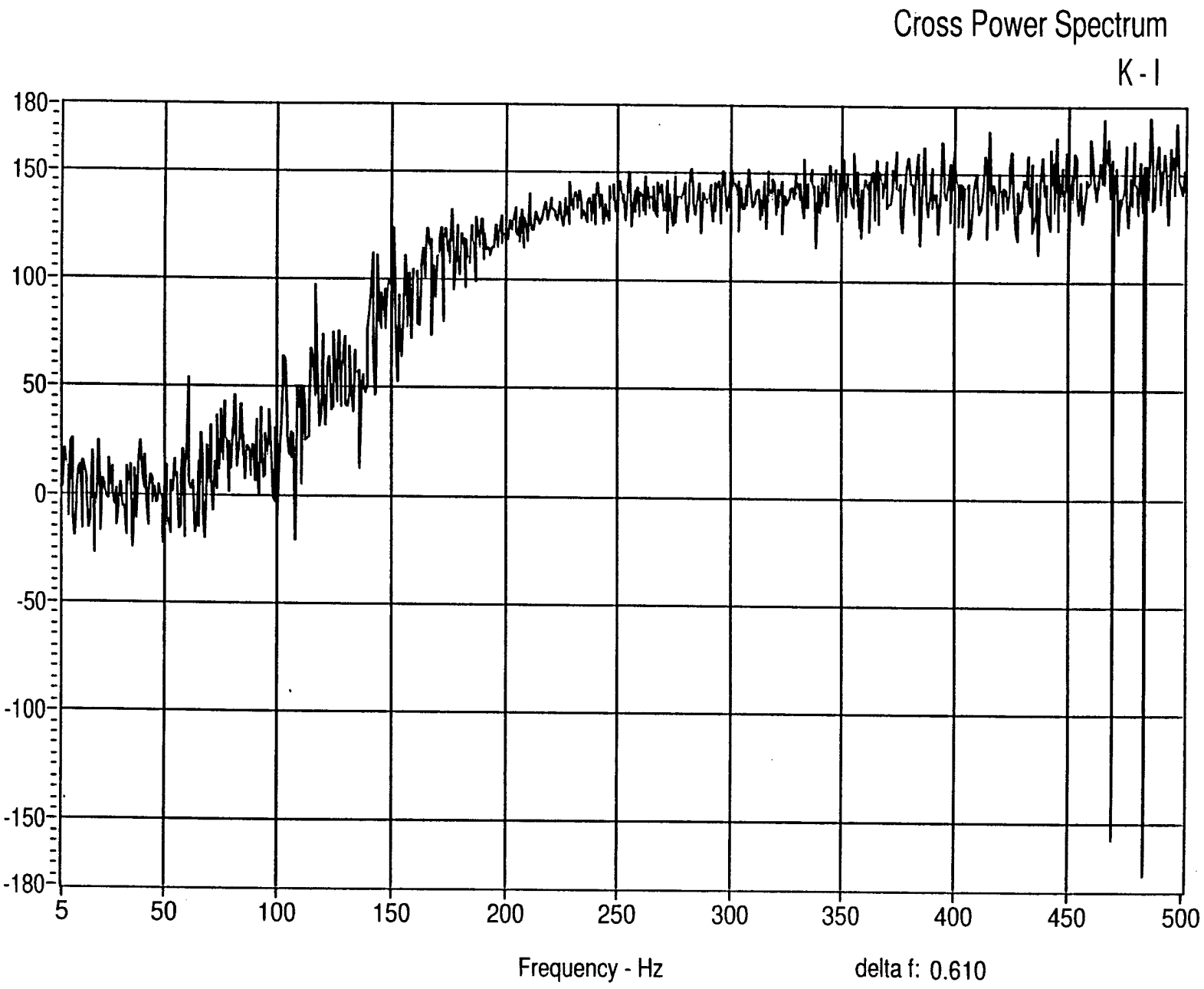
F-15 TPN_2928: alpha=32 beta=4 bp=0



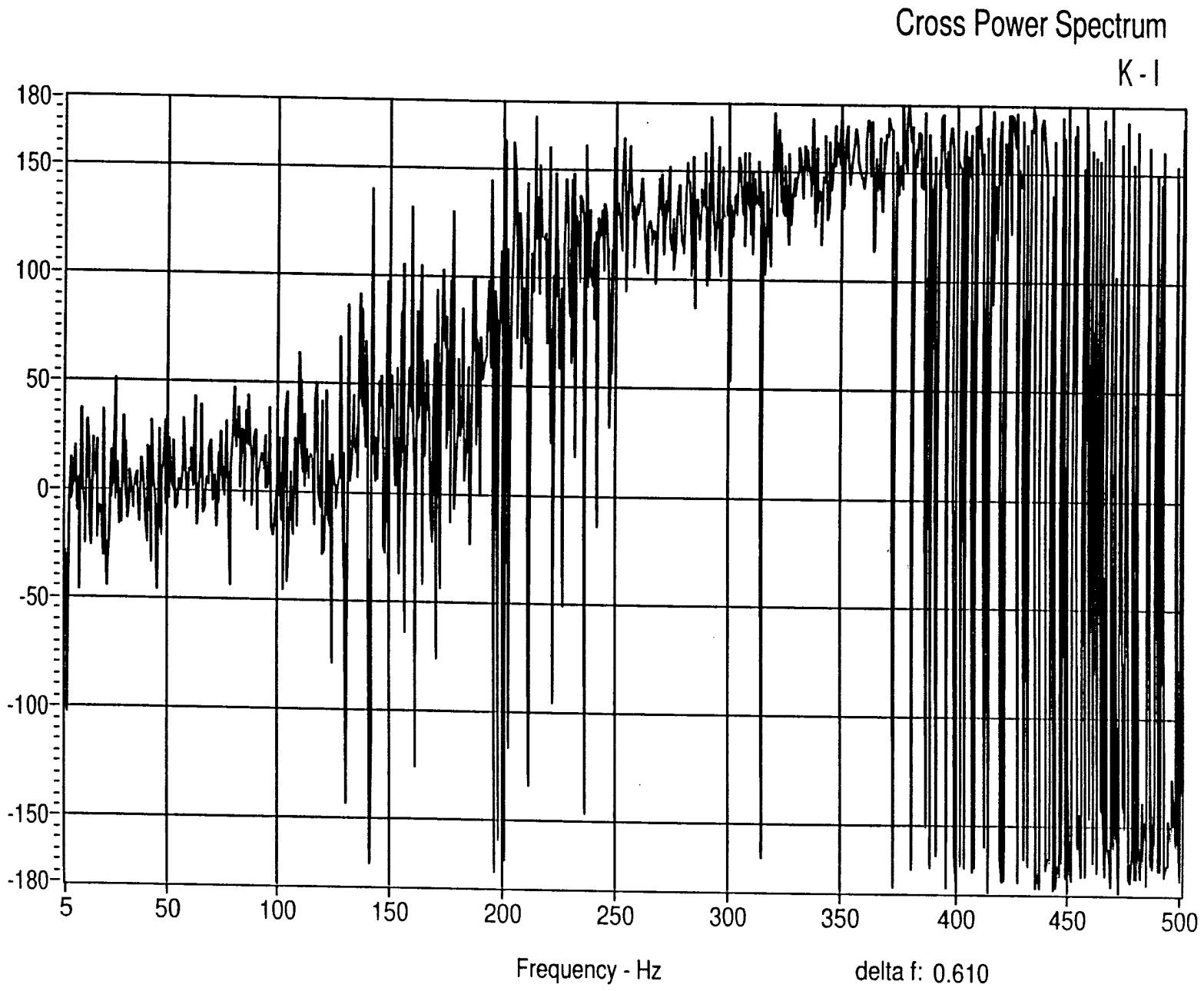
F-15 TPN_2844: alpha=8 beta=0 bp=0



F-15 TPN_2850: alpha=20 beta=0 bp=0

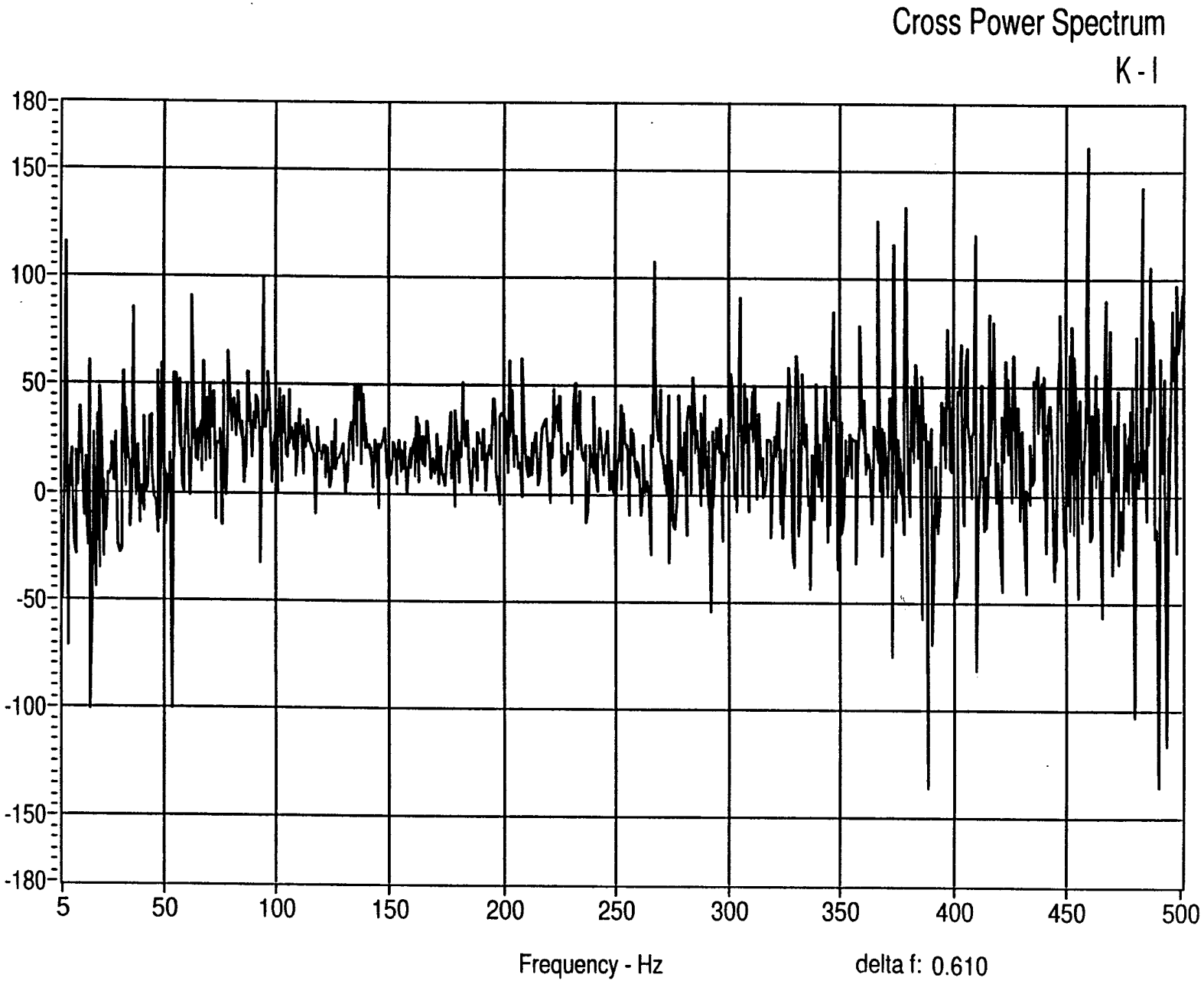


F-15 TPN_2852: alpha=24 beta=0 bp=0



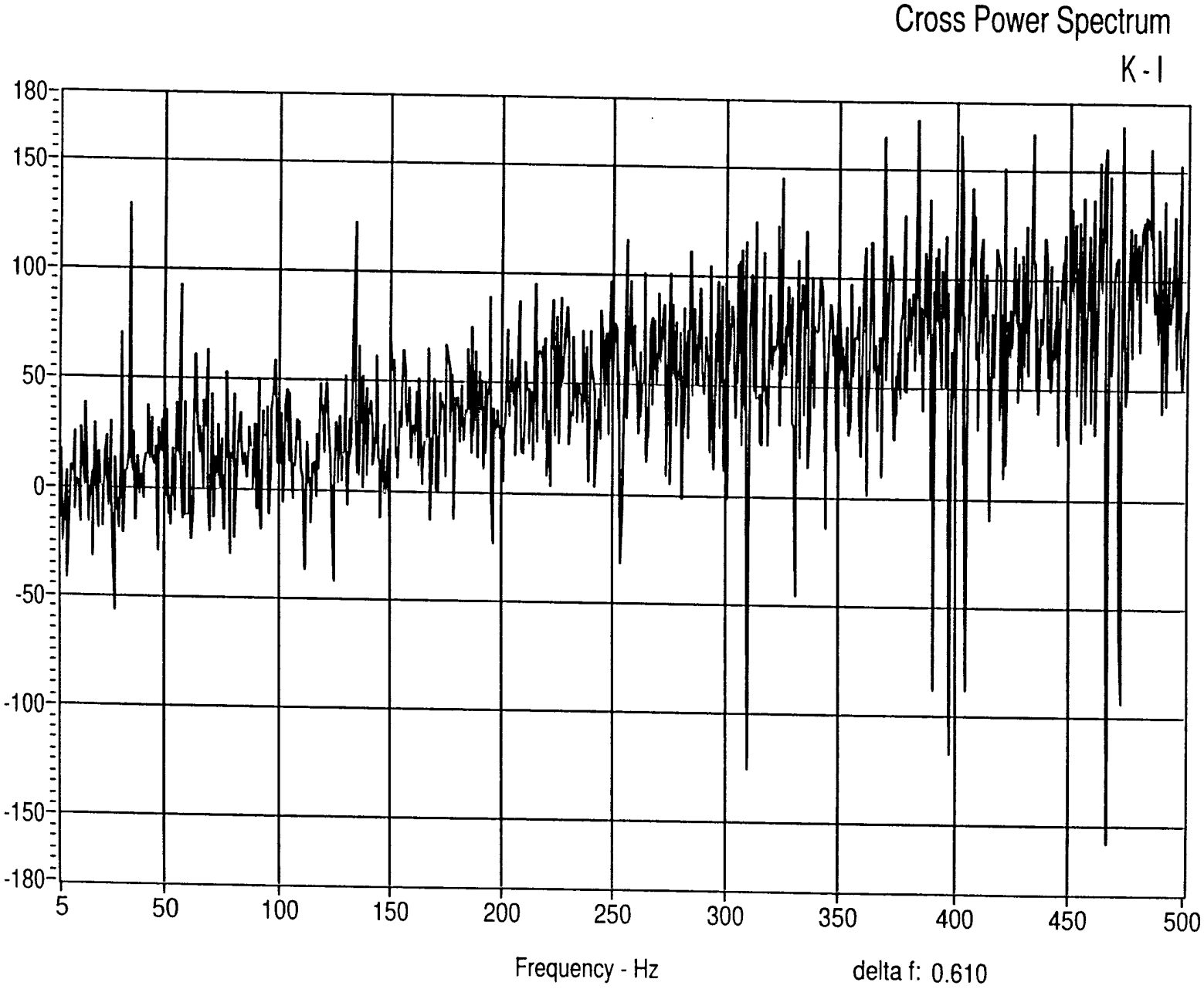
776

F-15 TPN_2854: alpha=32 beta=0 bp=0

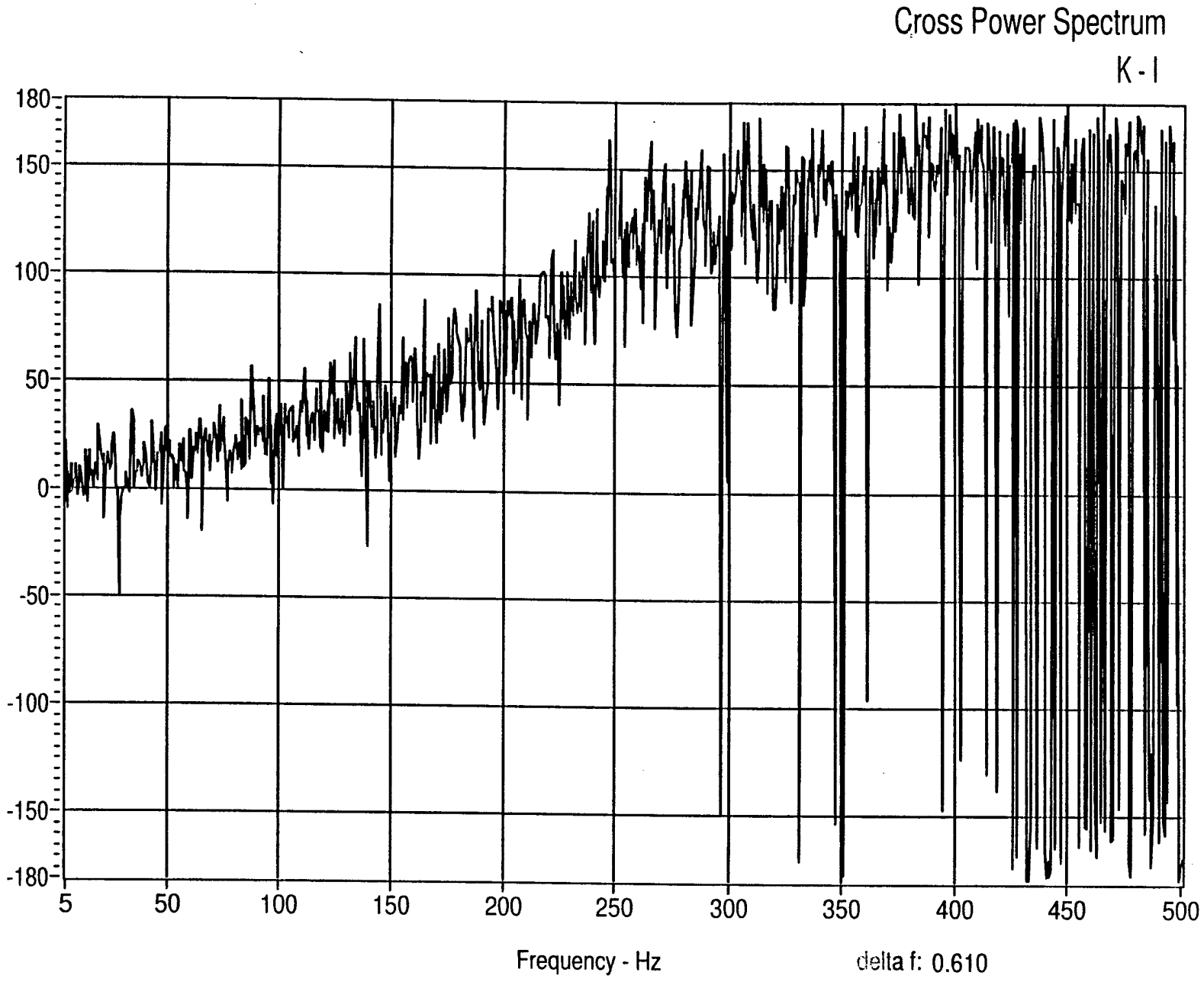


777

F-15 TPN_2864: alpha=8 beta=-4 bp=0

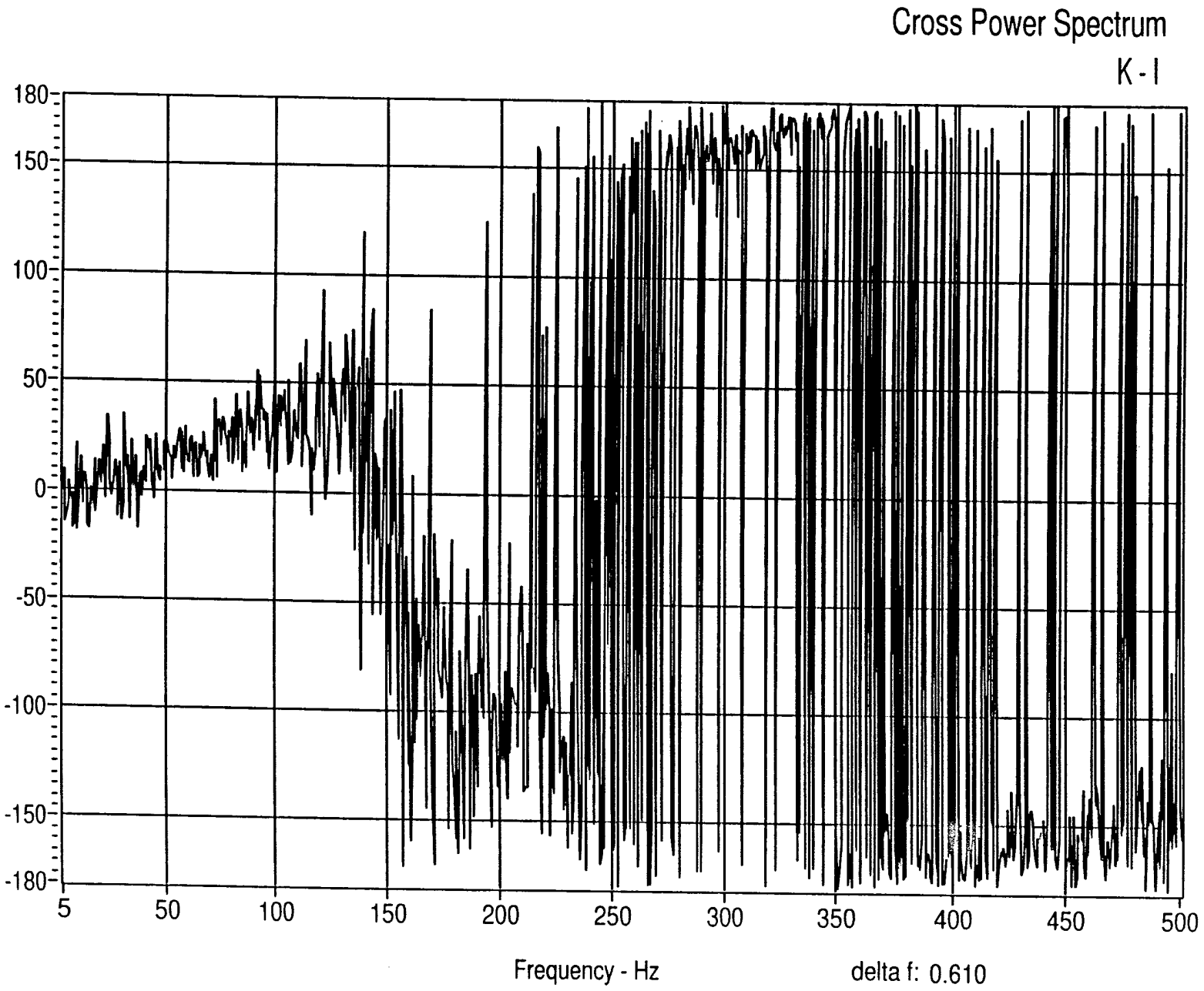


F-15 TPN_2870: alpha=20 beta=-4 bp=0



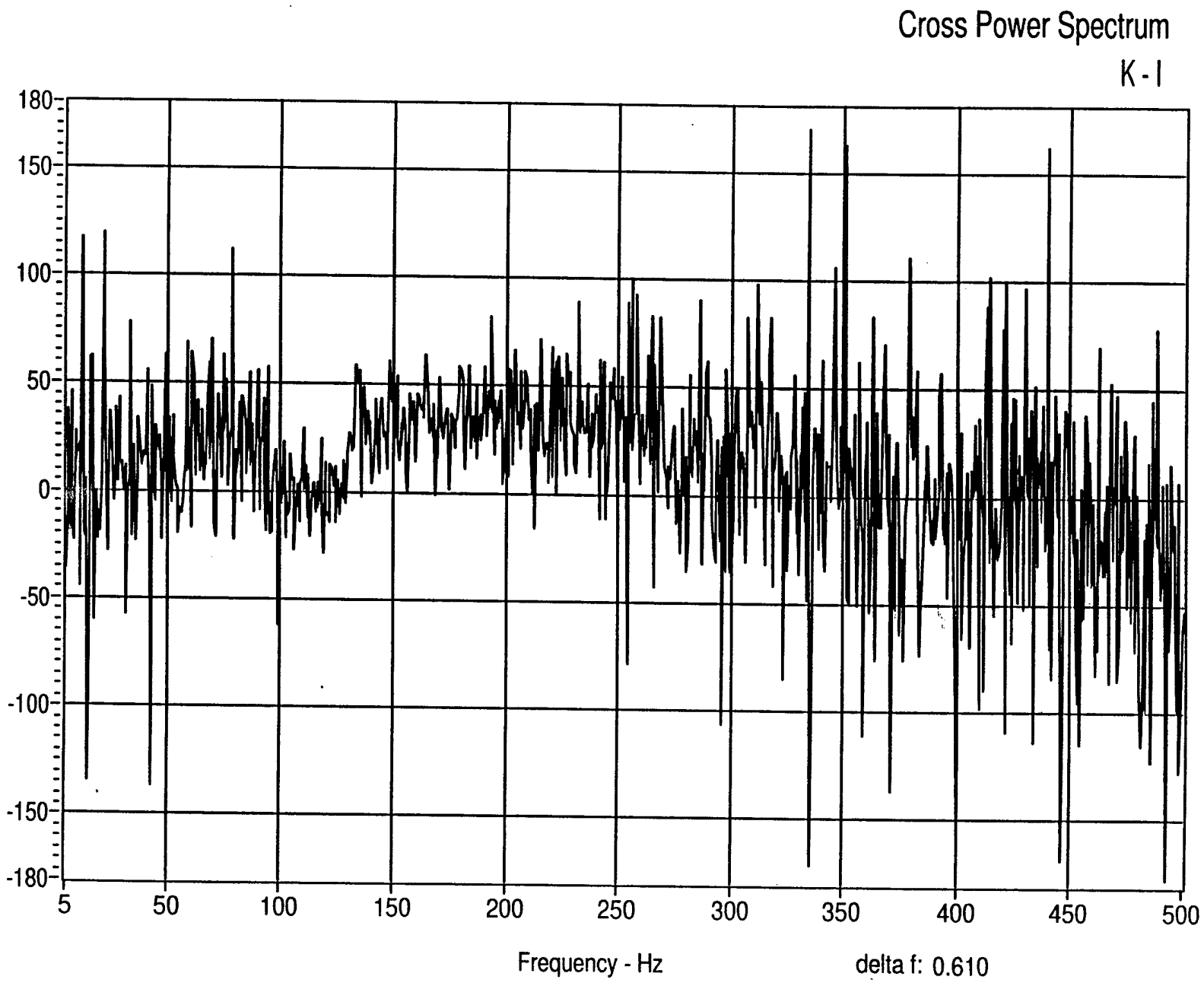
779

F-15 TPN_2872: alpha=24 beta=-4 bp=0



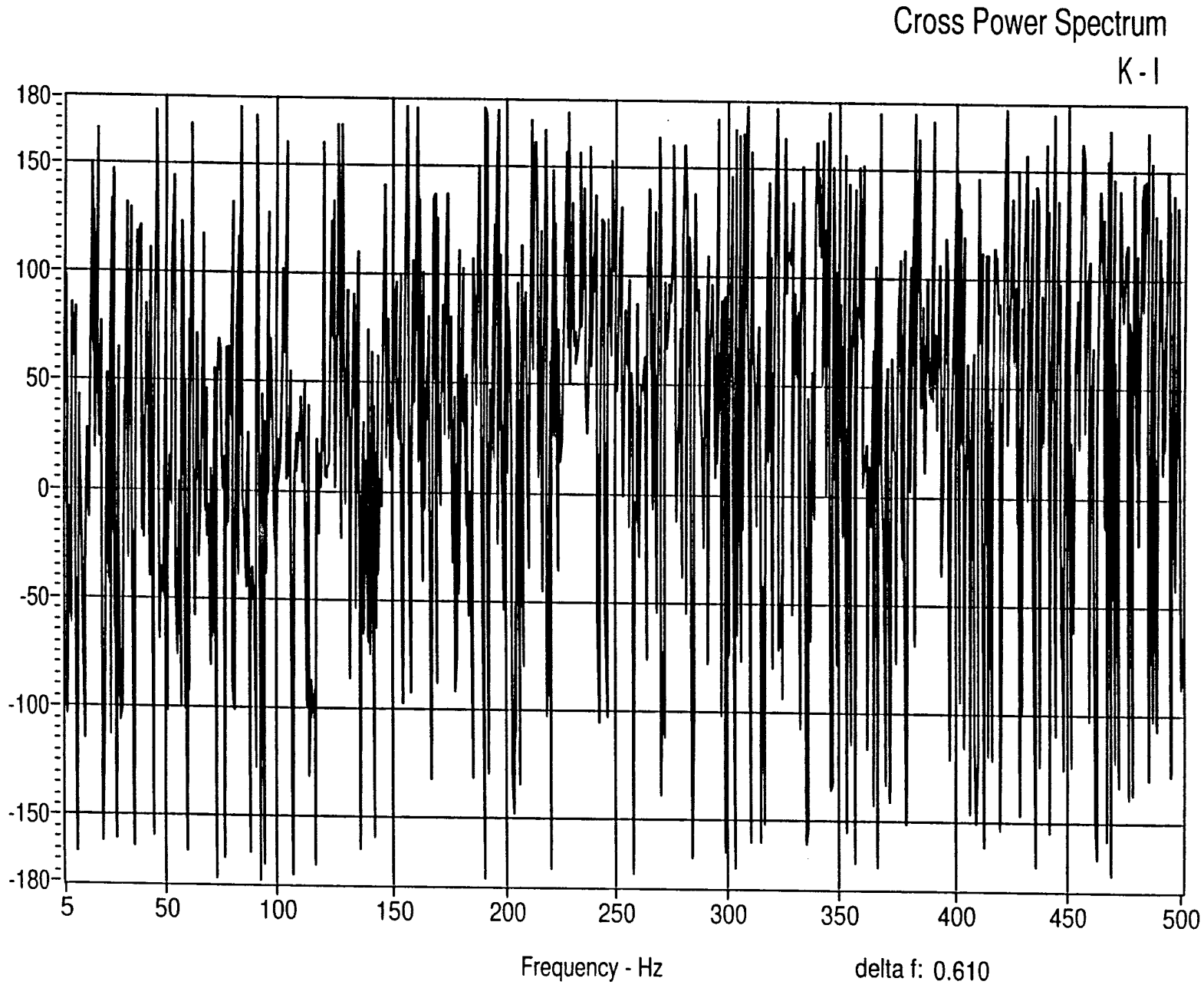
780

F-15 TPN_2874: alpha=32 beta=-4 bp=0

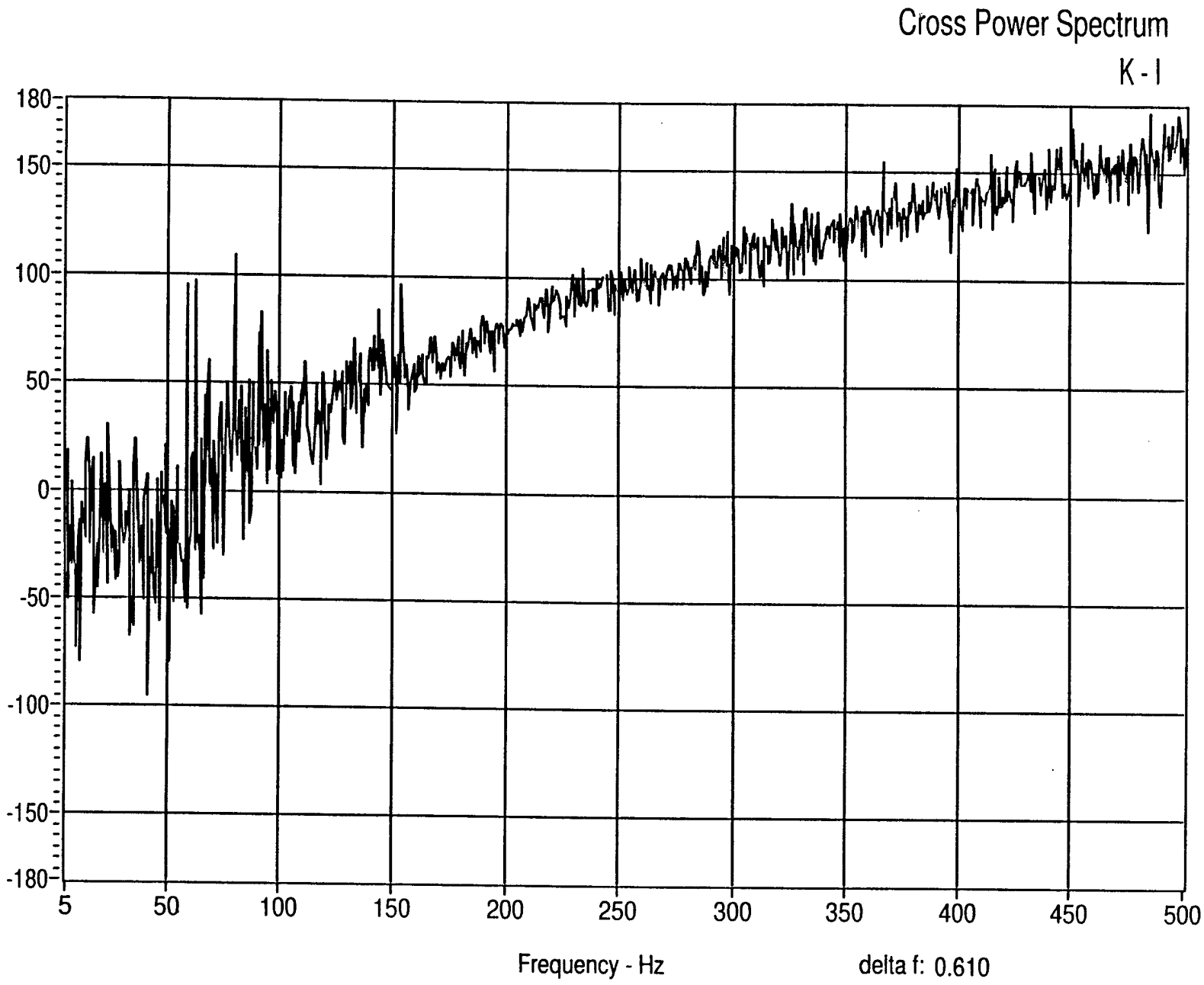


781

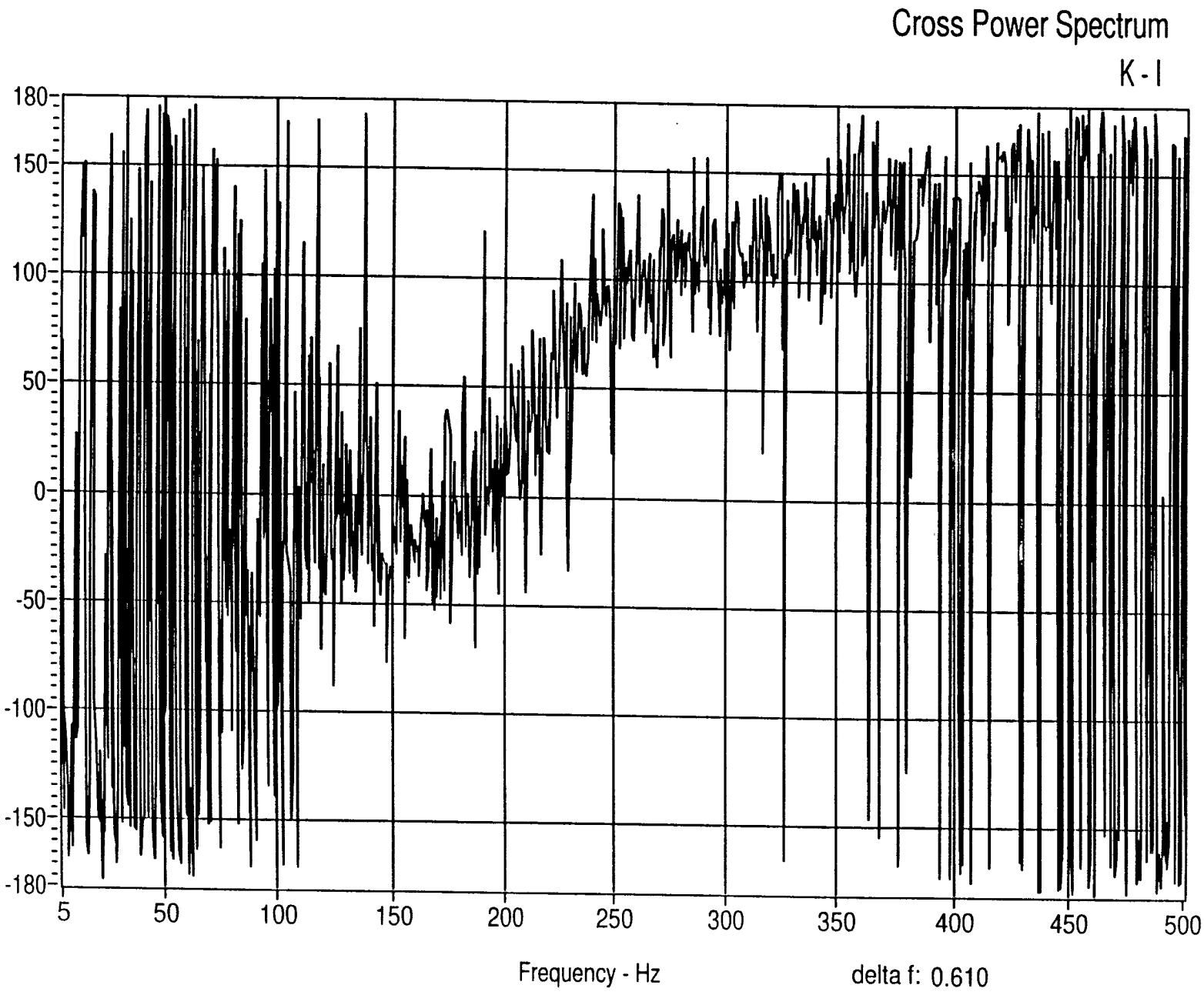
F-15 TPN_3351: alpha=8 beta=4 bp=45



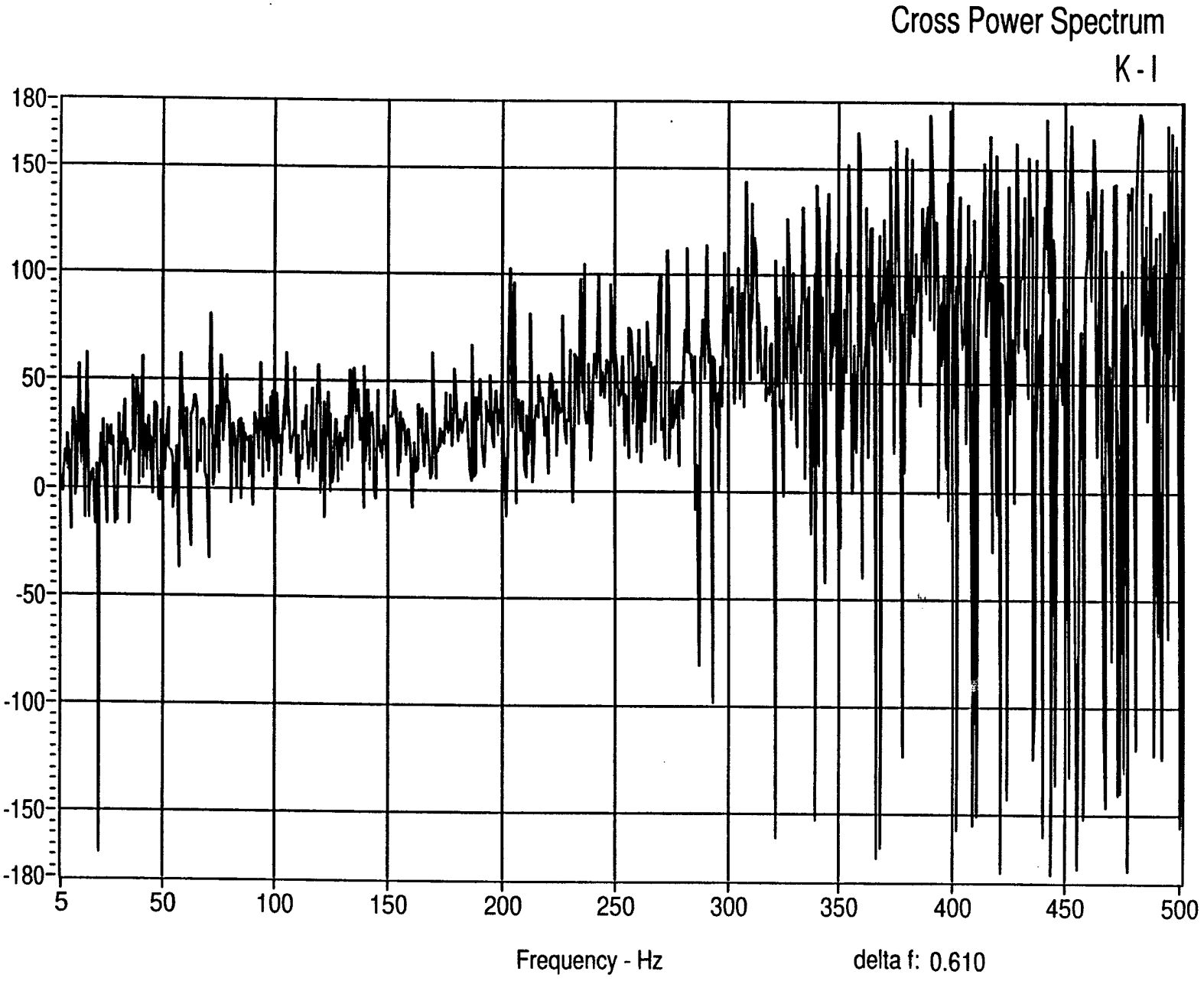
F-15 TPN_3357: alpha=20 beta=4 bp=45



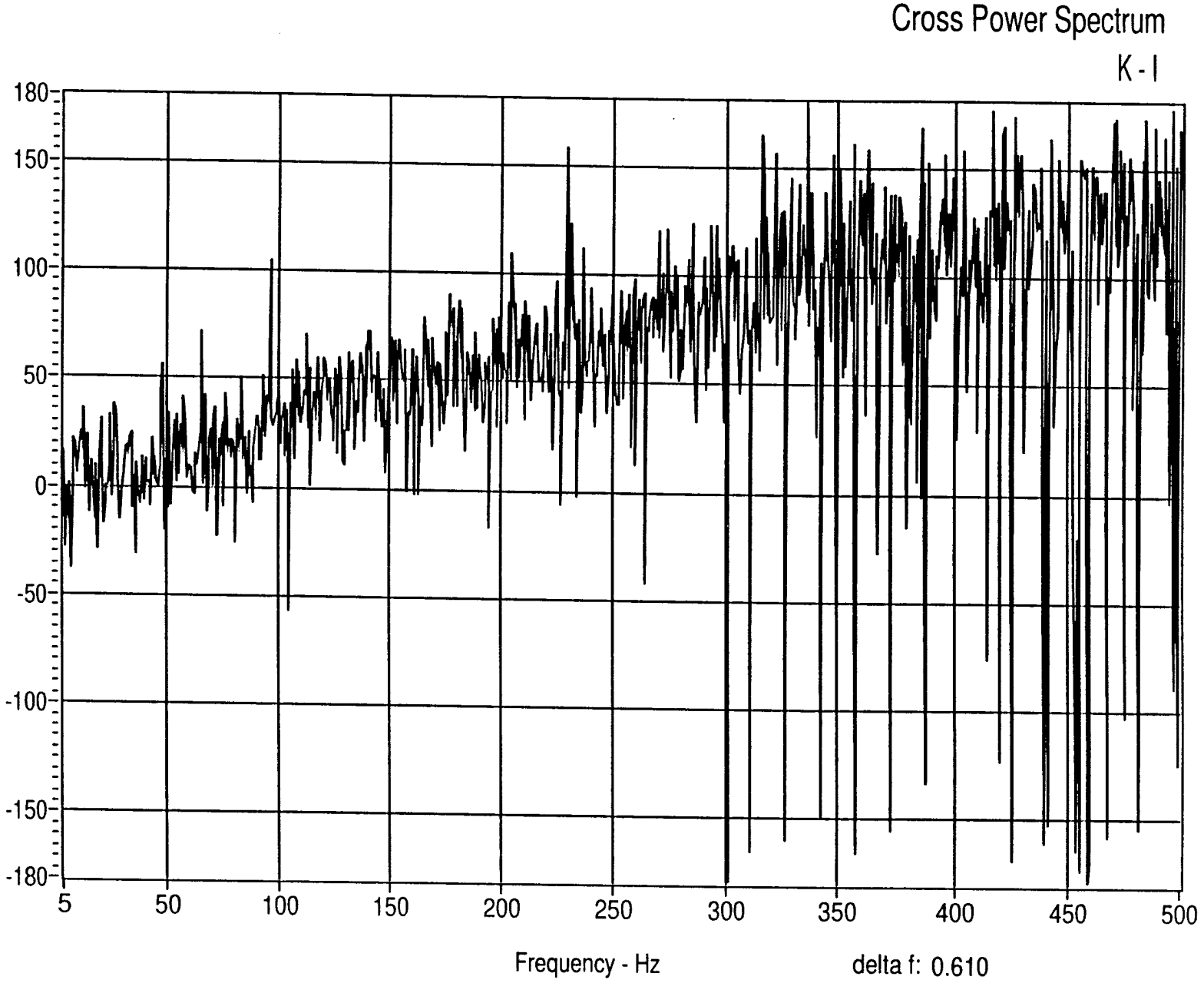
F-15 TPN_3359: alpha=24 beta=4 bp=45



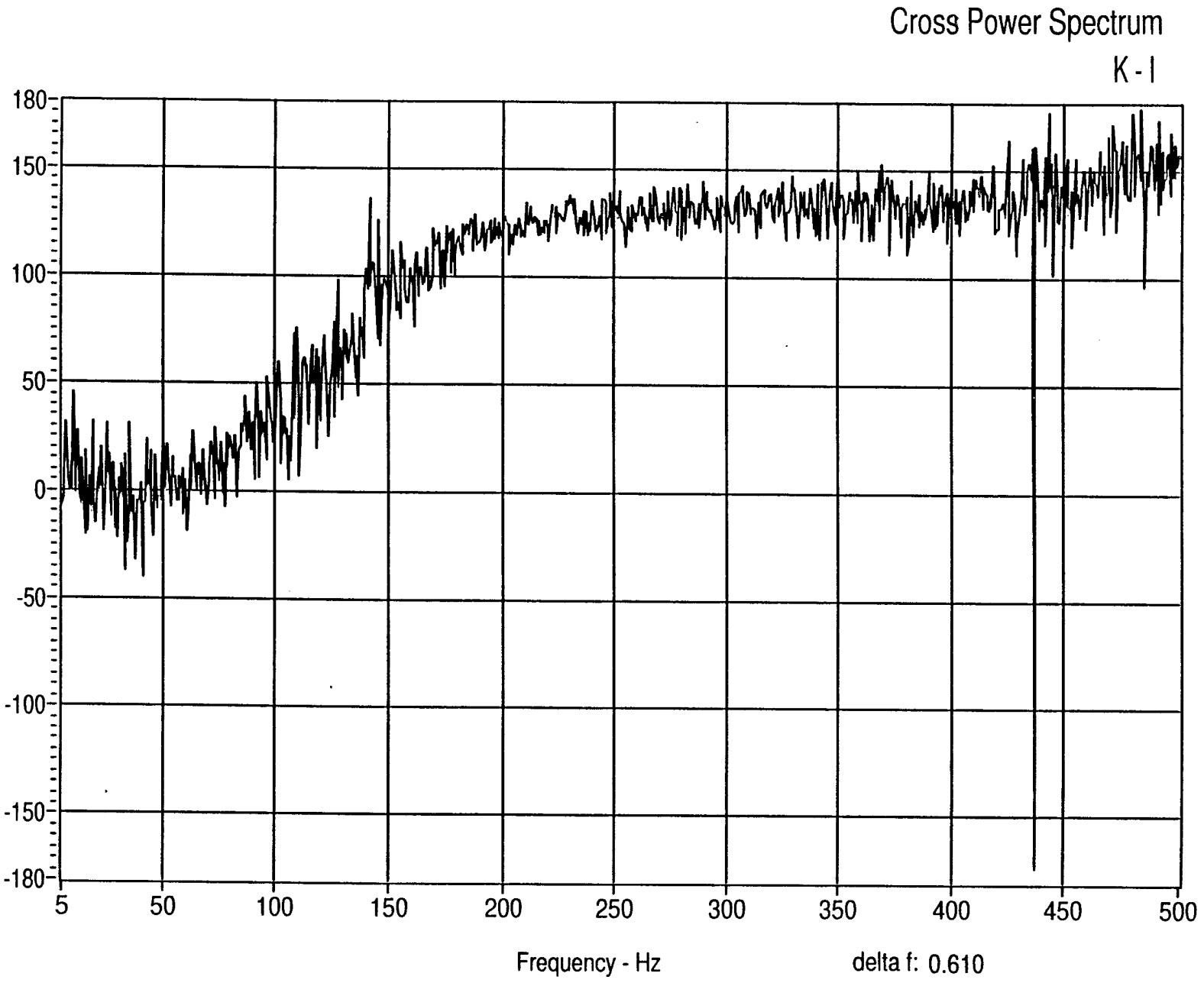
F-15 TPN_3361: alpha=32 beta=4 bp=45



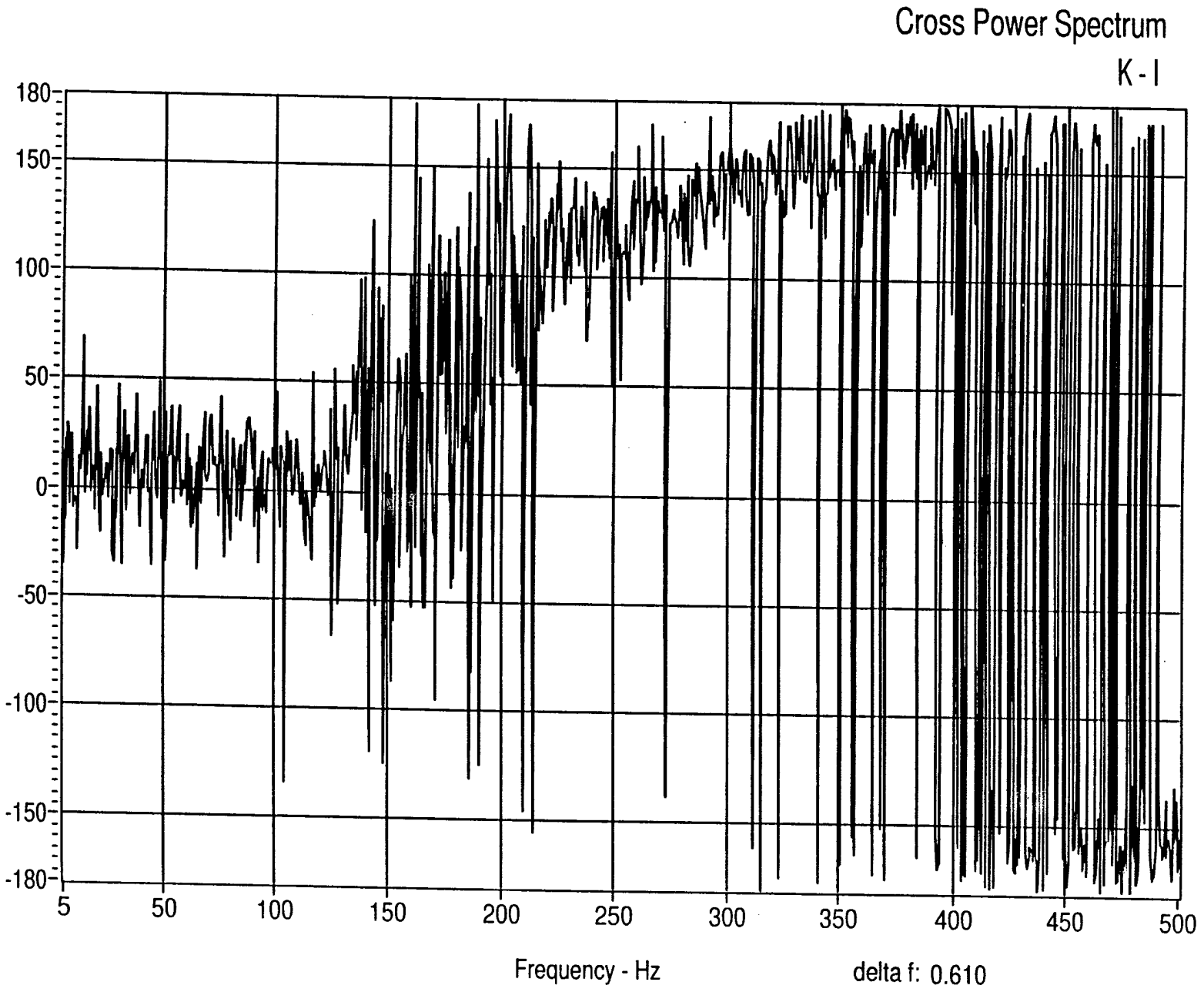
F-15 TPN_3333: alpha=8 beta=0 bp=45



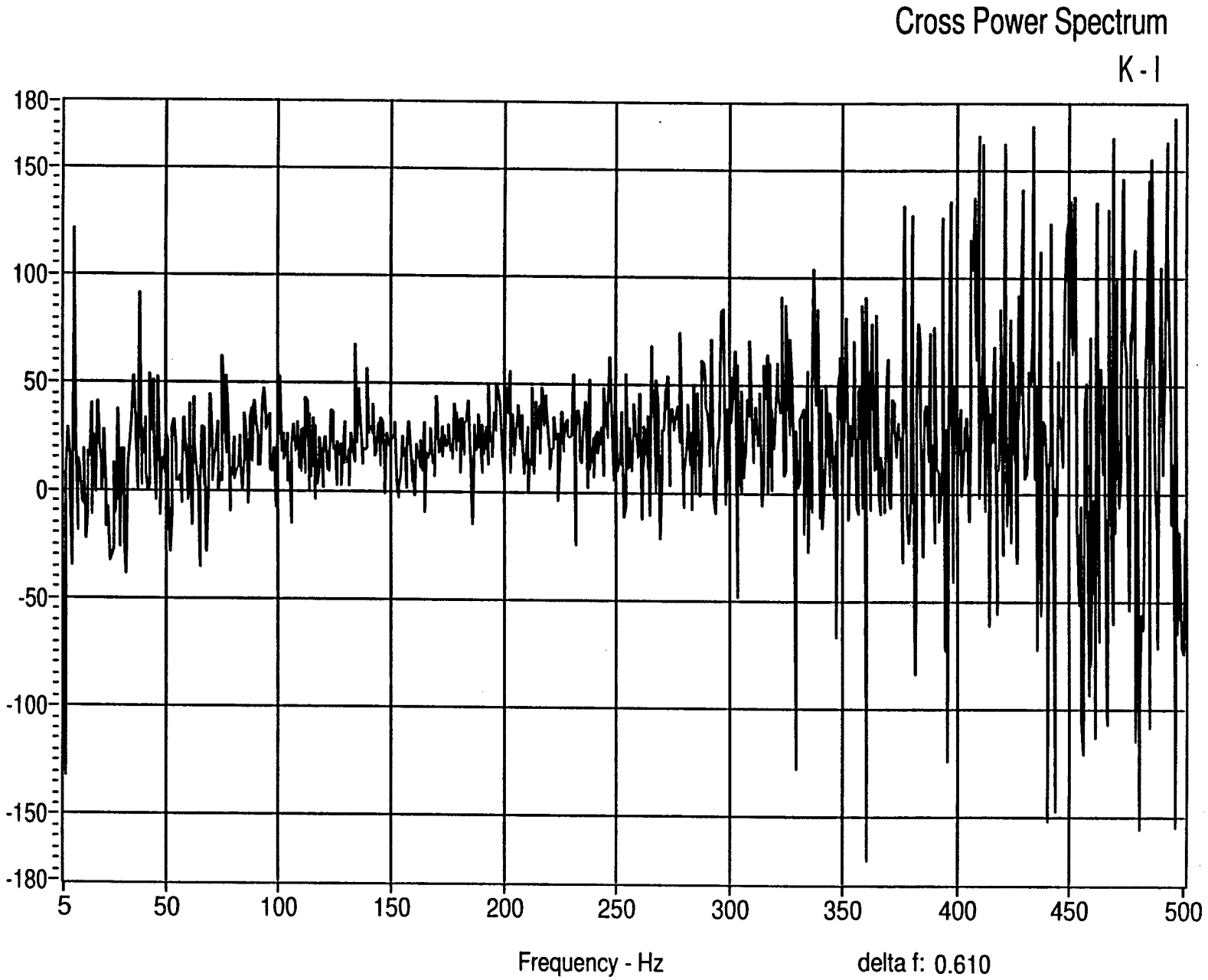
F-15 TPN_3339: alpha=20 beta=0 bp=45



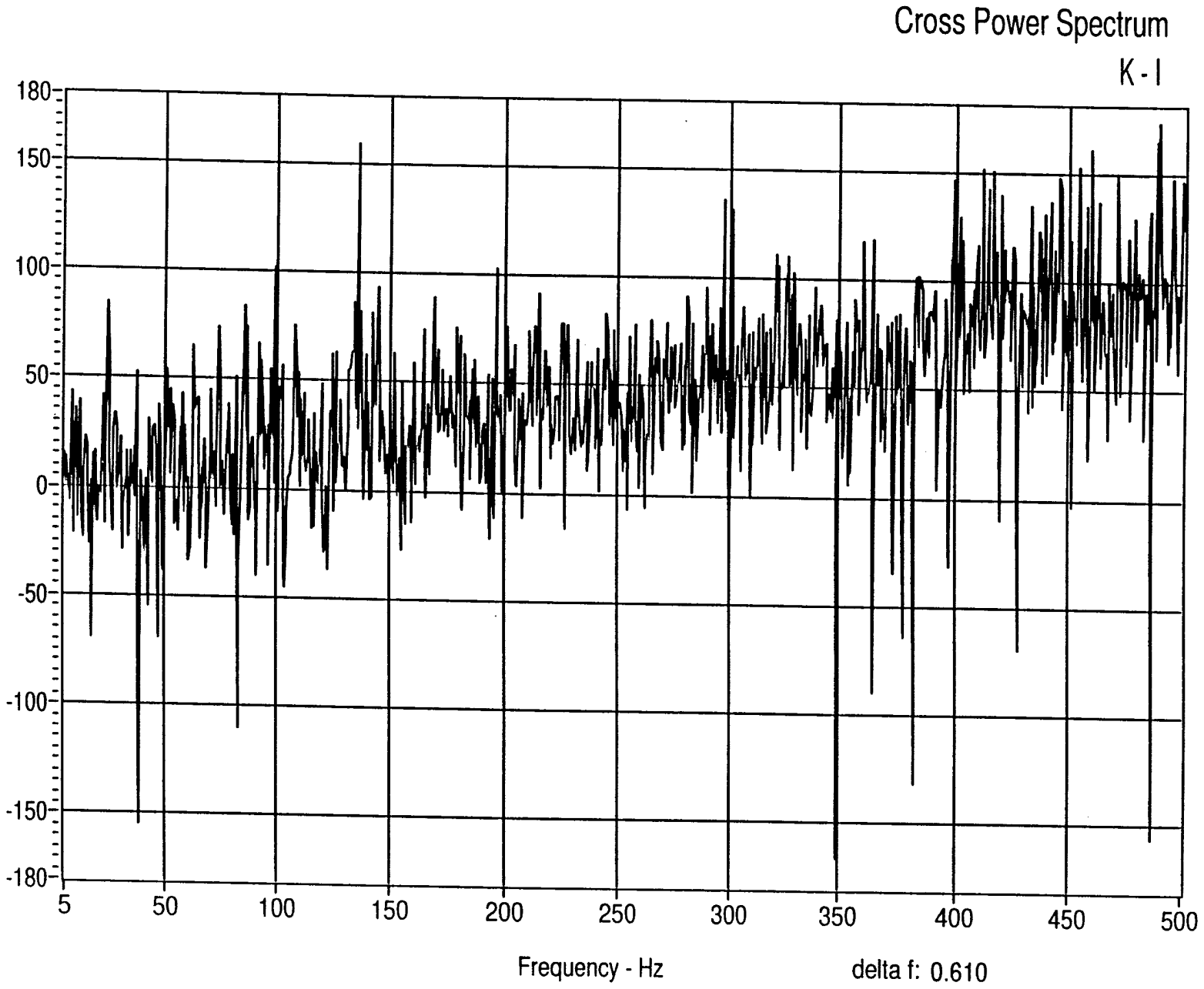
F-15 TPN_3341: alpha=24 beta=0 bp=45



F-15 TPN_3343: alpha=32 beta=0 bp=45

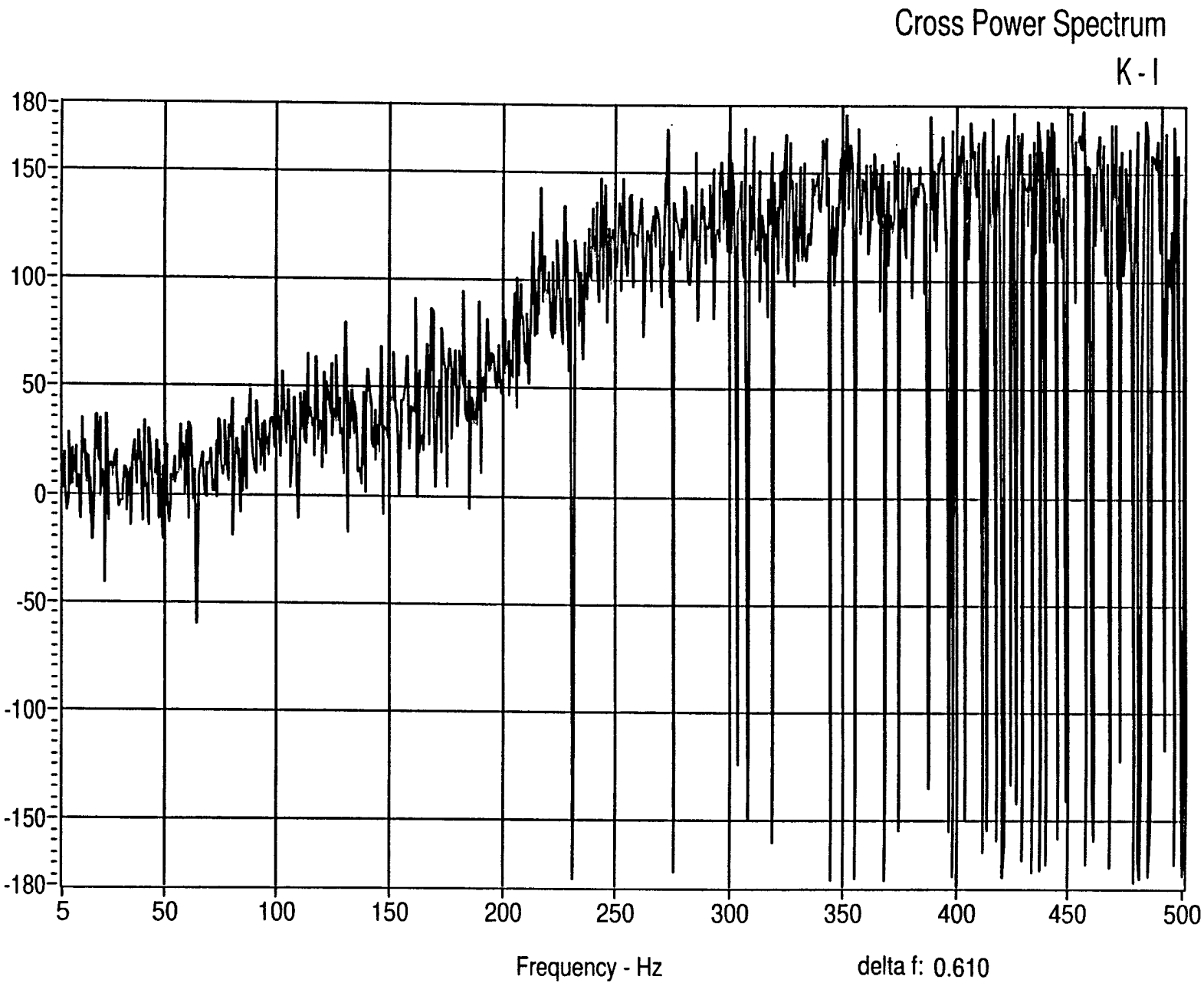


F-15 TPN_3369: alpha=8 beta=-4 bp=45



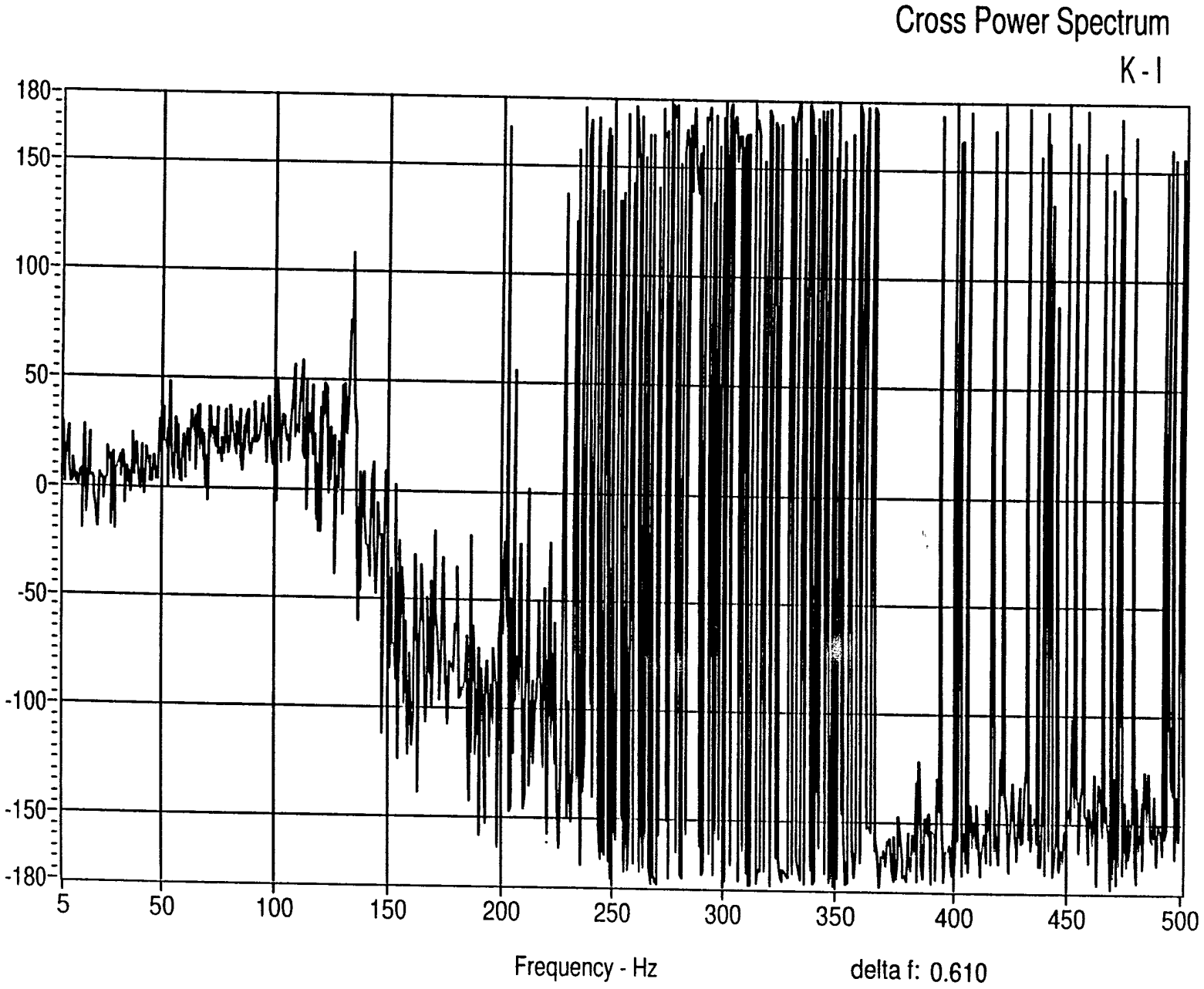
790

F-15 TPN_3375: alpha=20 beta=-4 bp=45

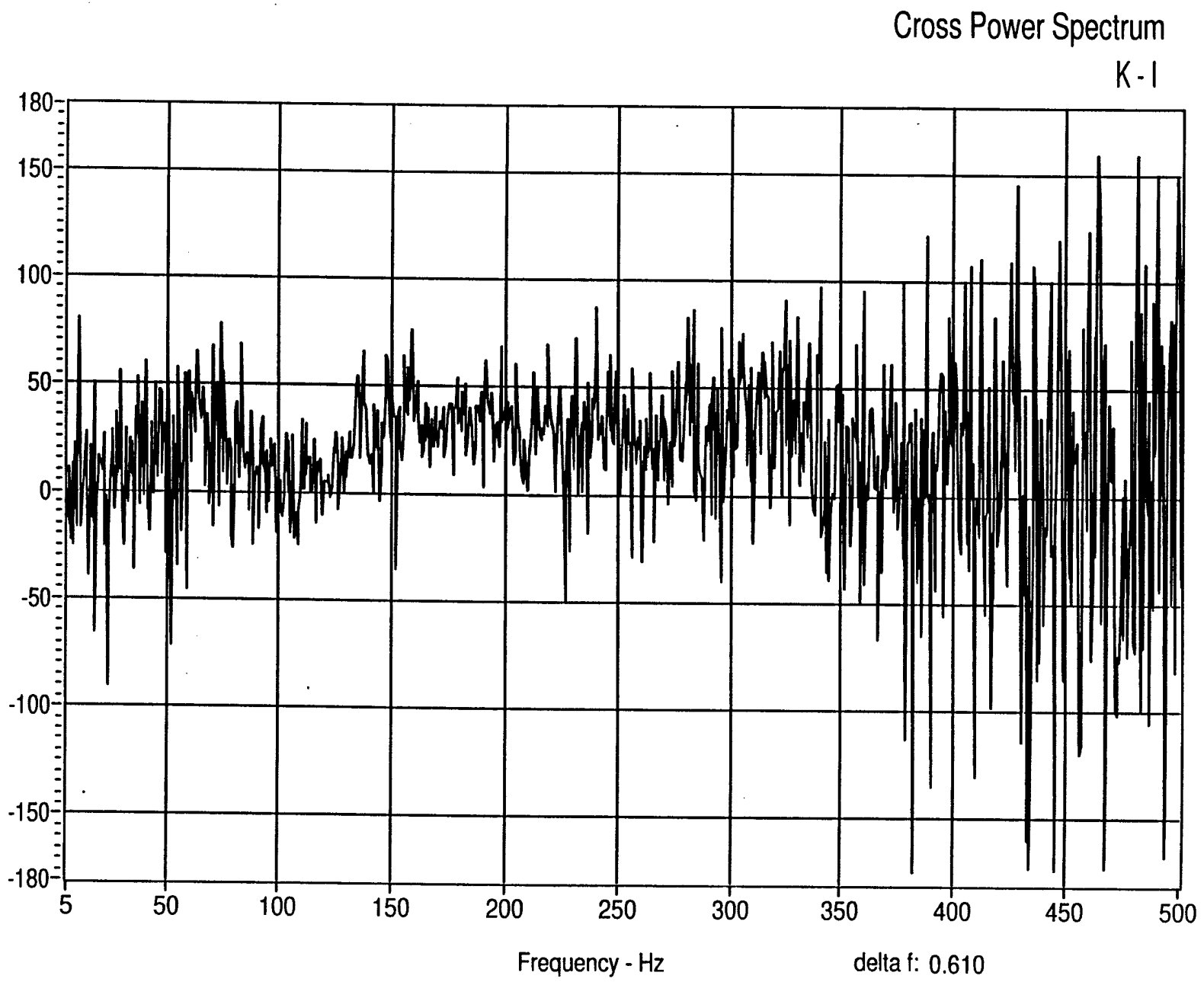


791

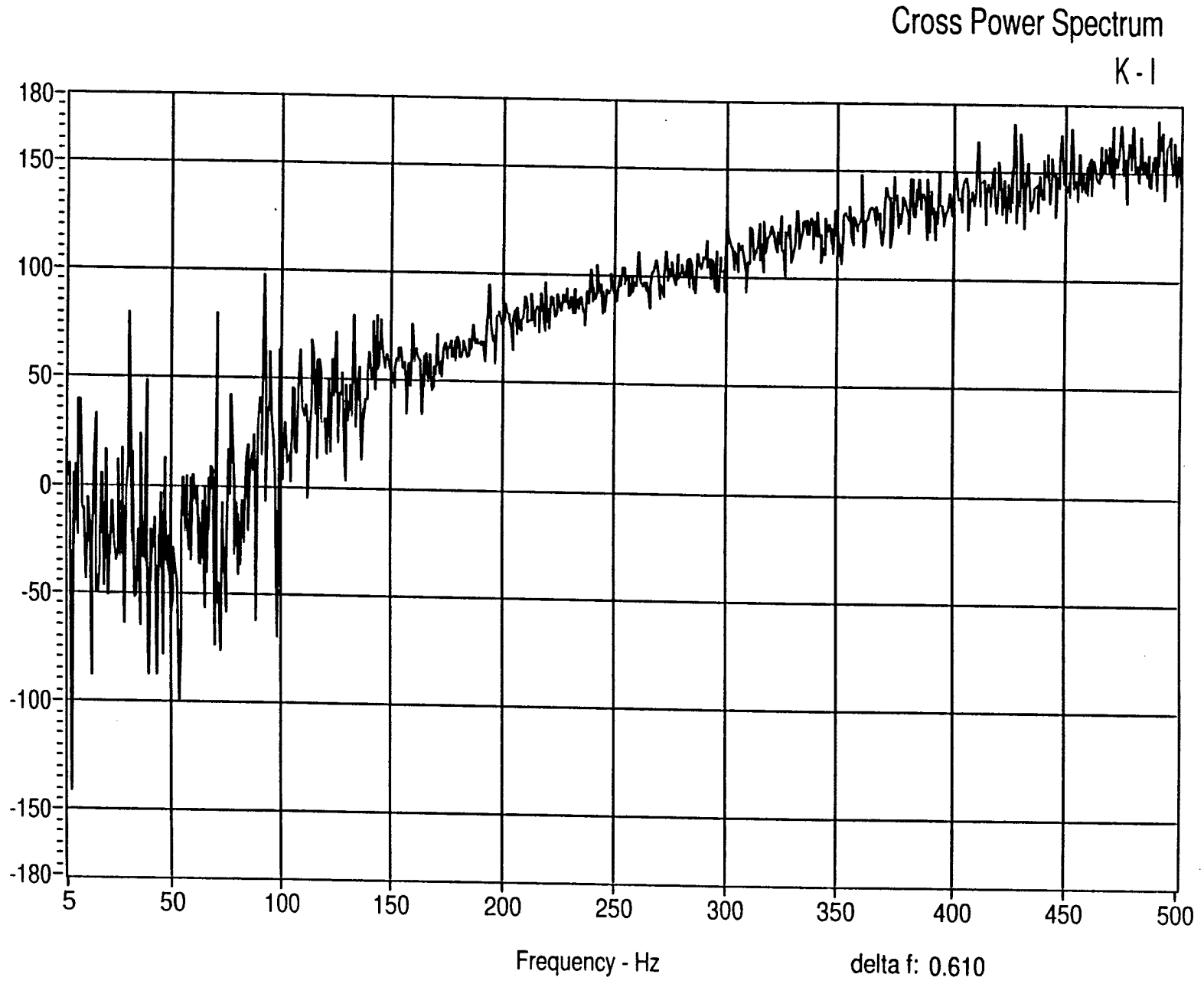
F-15 TPN_3377: alpha=24 beta=-4 bp=45



F-15 TPN_3379: alpha=32 beta=-4 bp=45

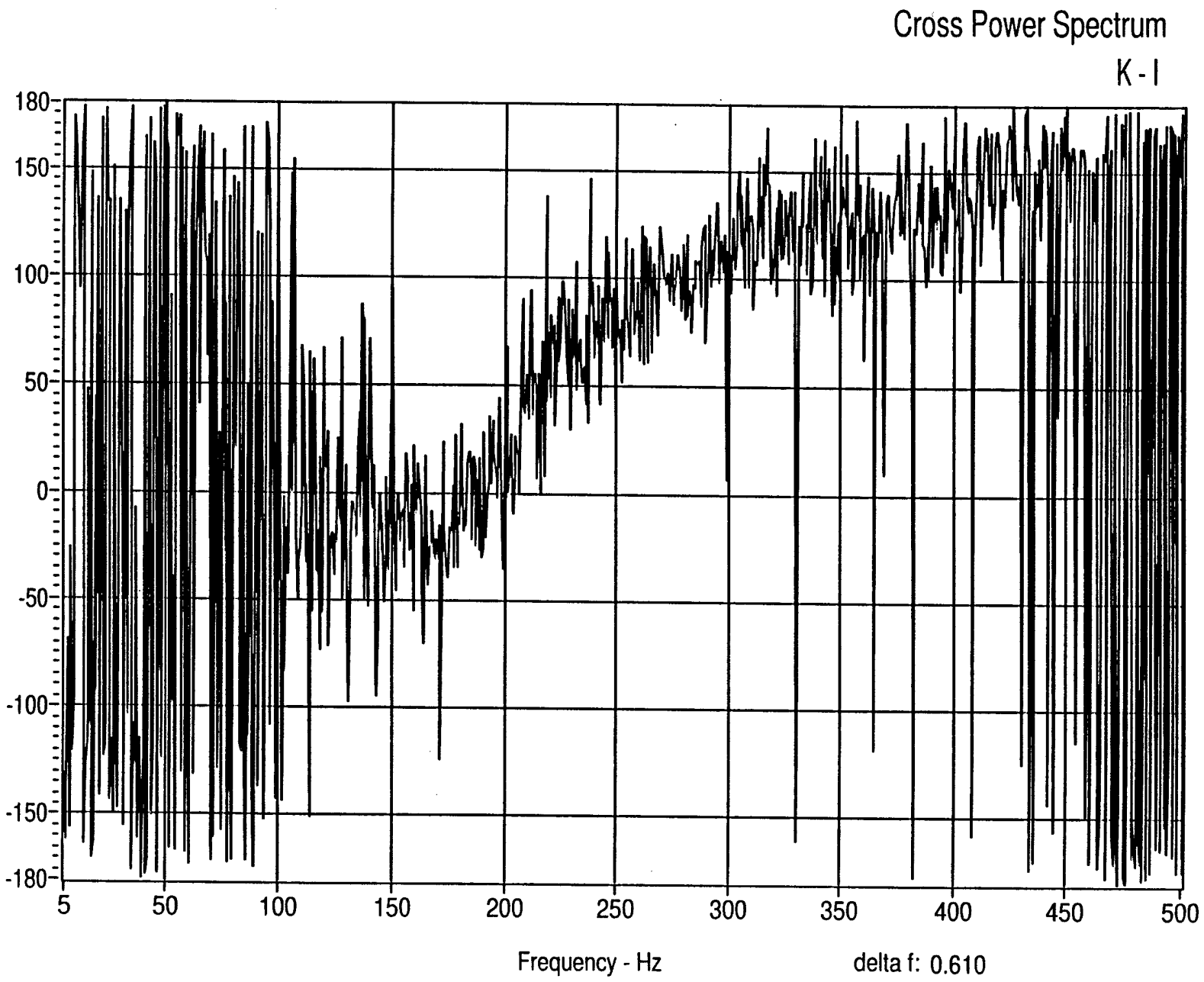


F-15 TPN_3046: alpha=20 beta=4 bp=65



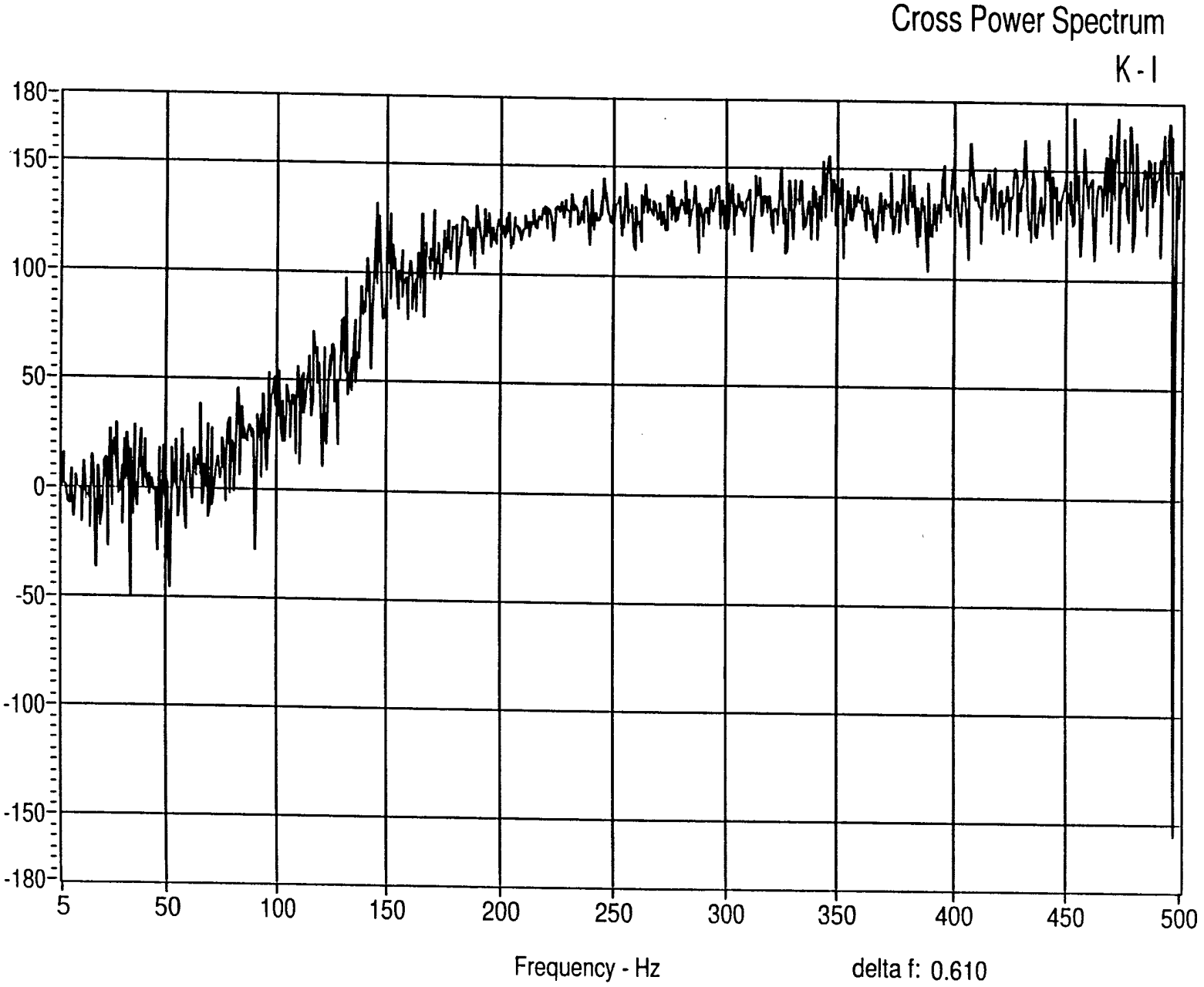
794

F-15 TPN_3048: alpha=24 beta=4 bp=65

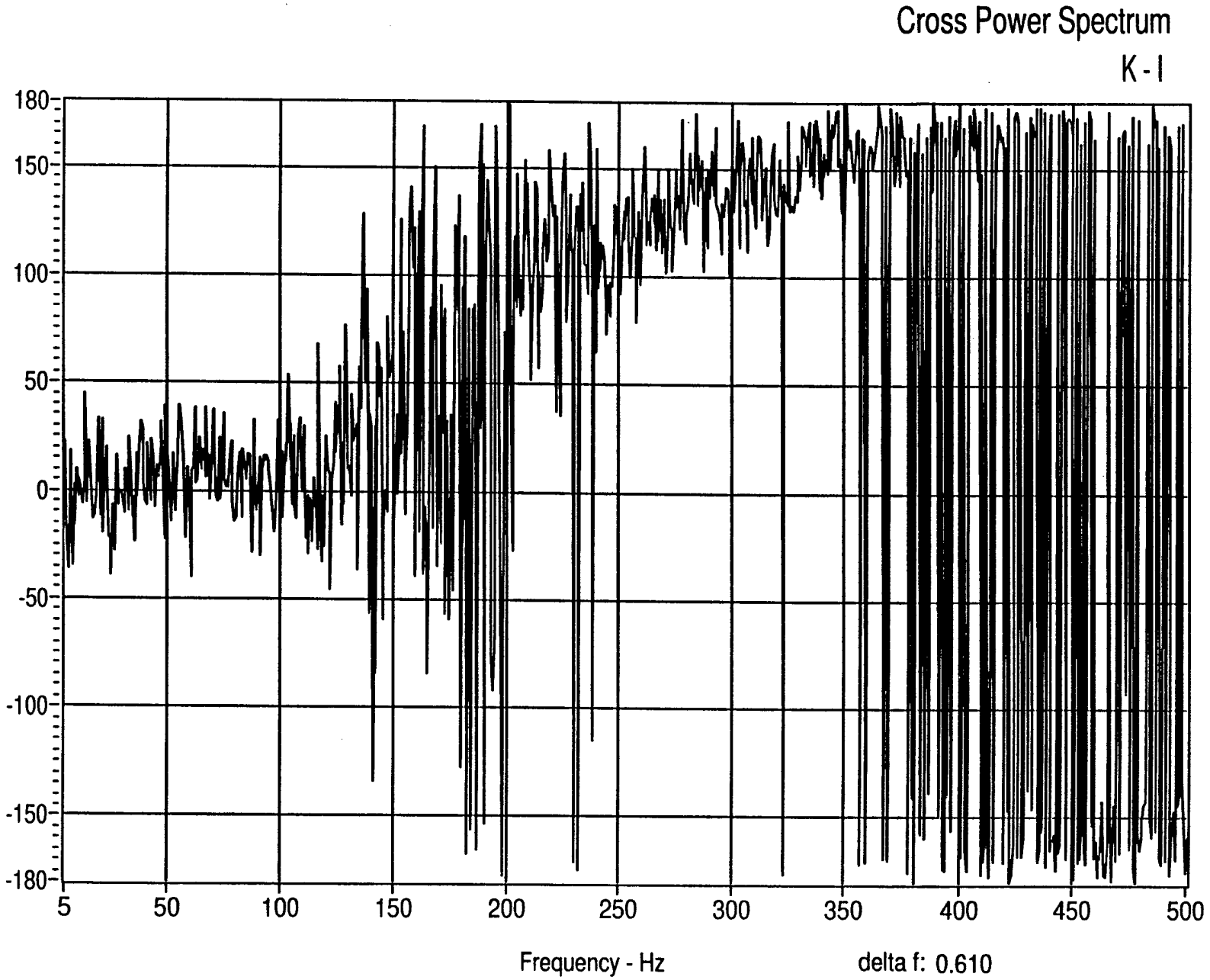


795

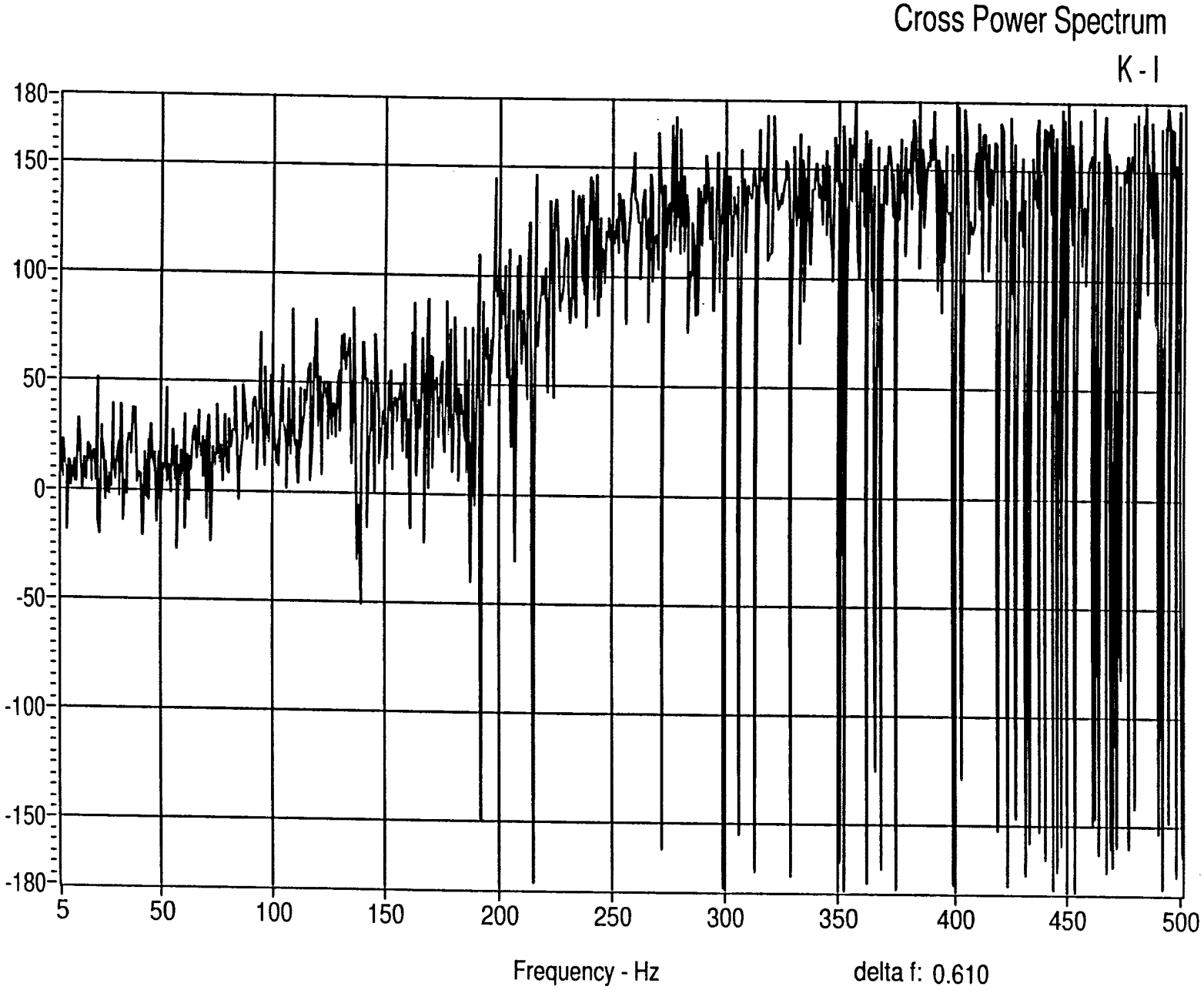
F-15 TPN_3040: alpha=20 beta=0 bp=65



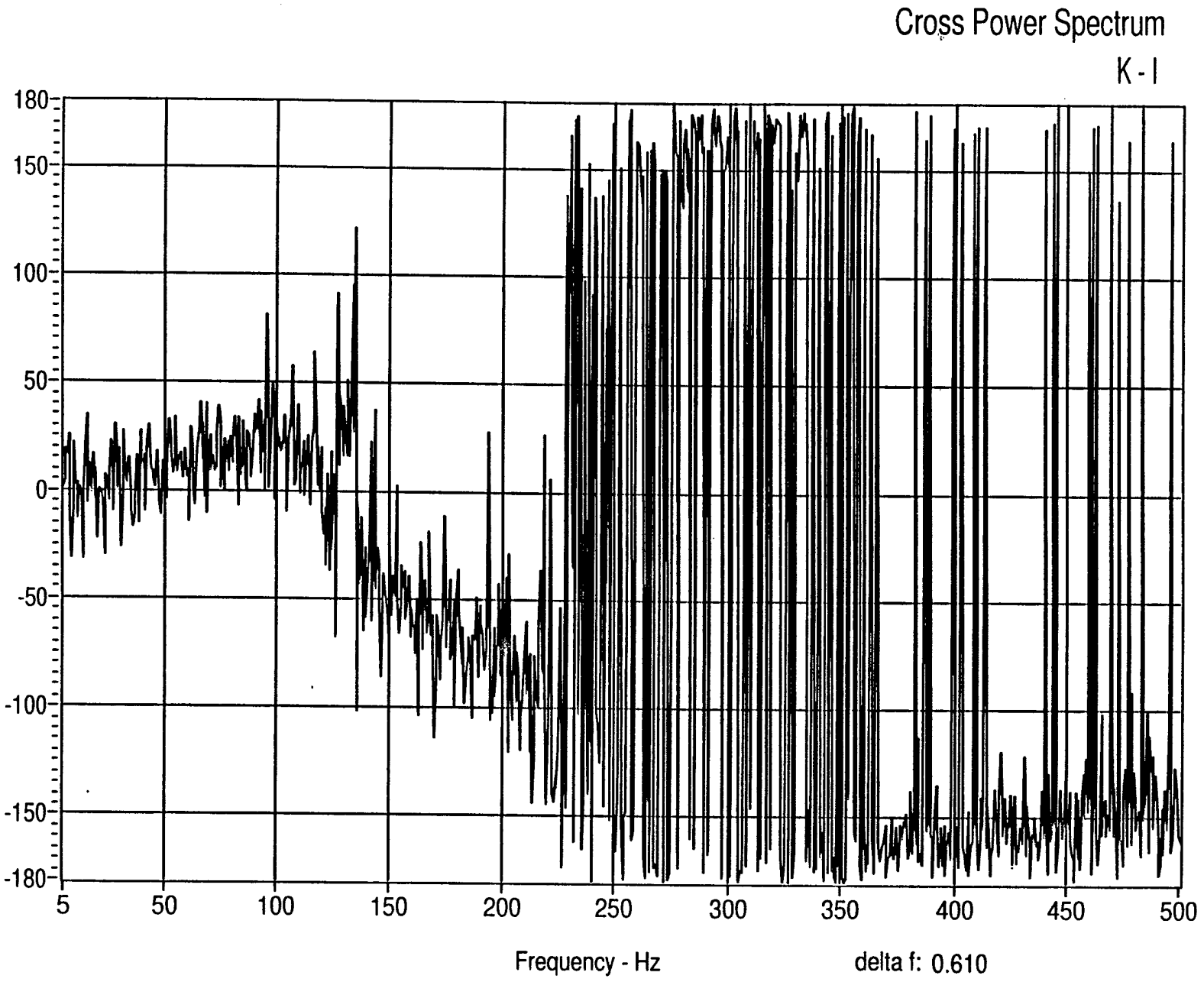
F-15 TPN_3042: alpha=24 beta=0 bp=65



F-15 TPN_3034: alpha=20 beta=-4 bp=65

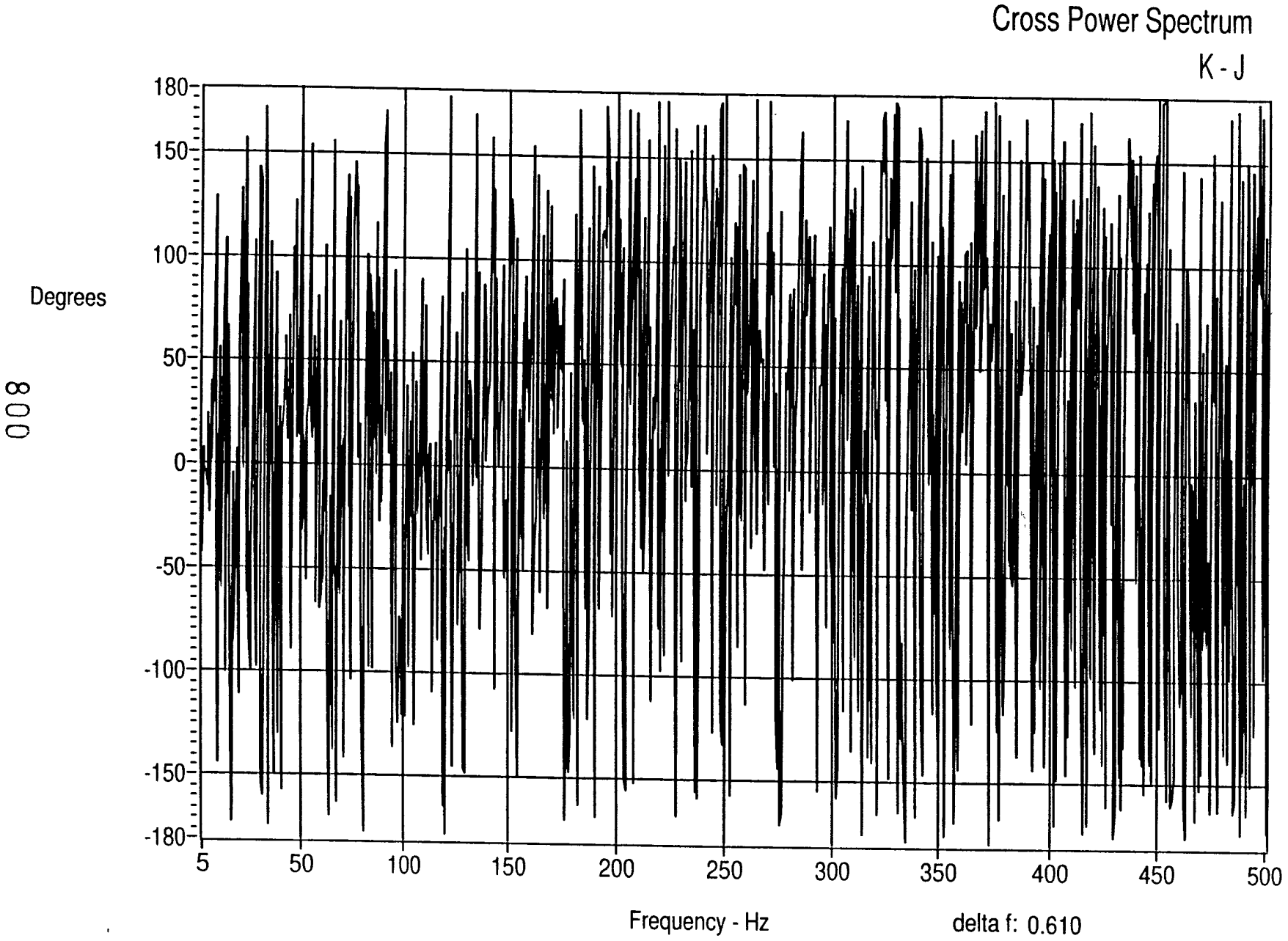


F-15 TPN_3036: alpha=24 beta=-4 bp=65



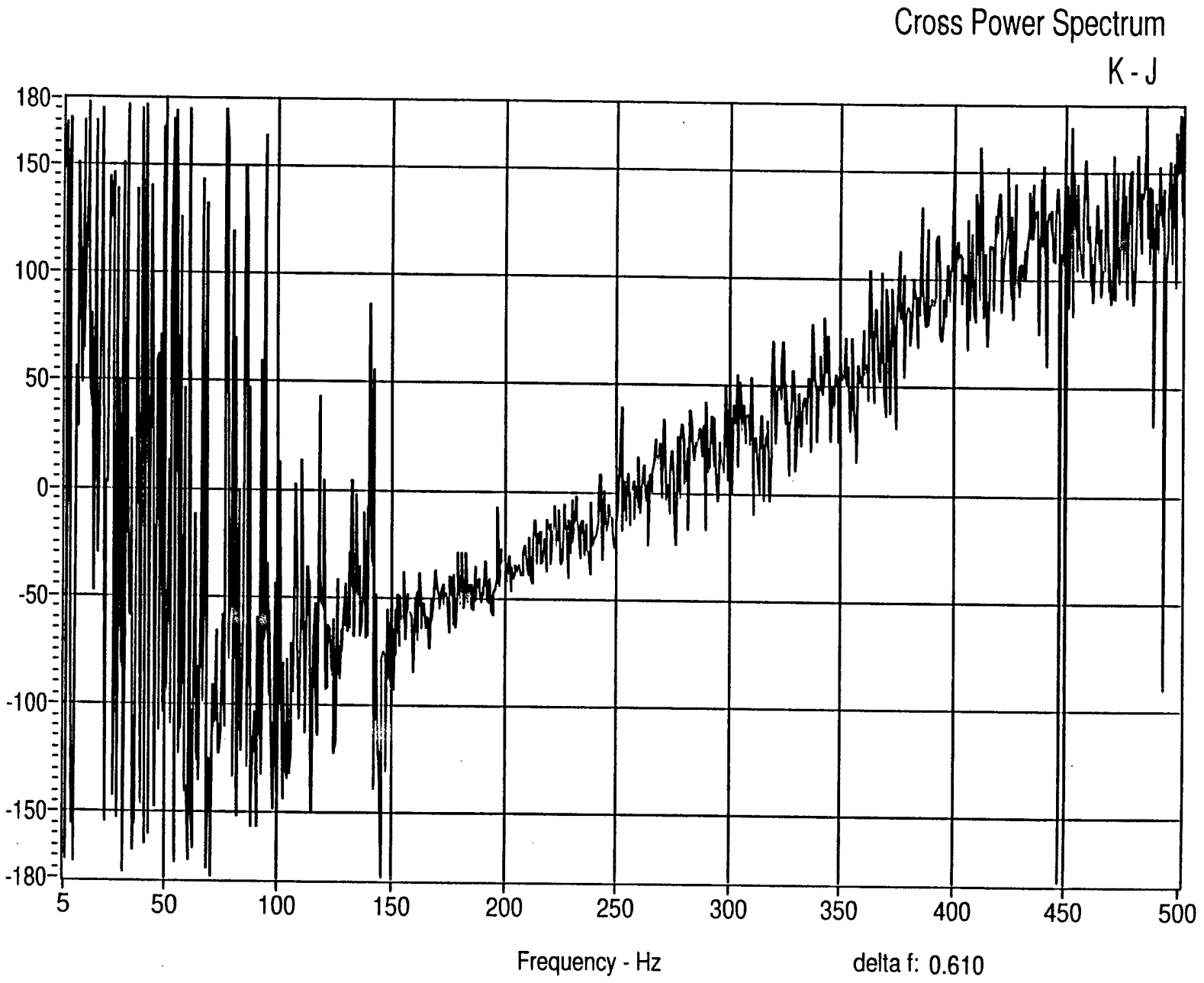
799

F-15 TPN_2918: alpha=8 beta=4 bp=0



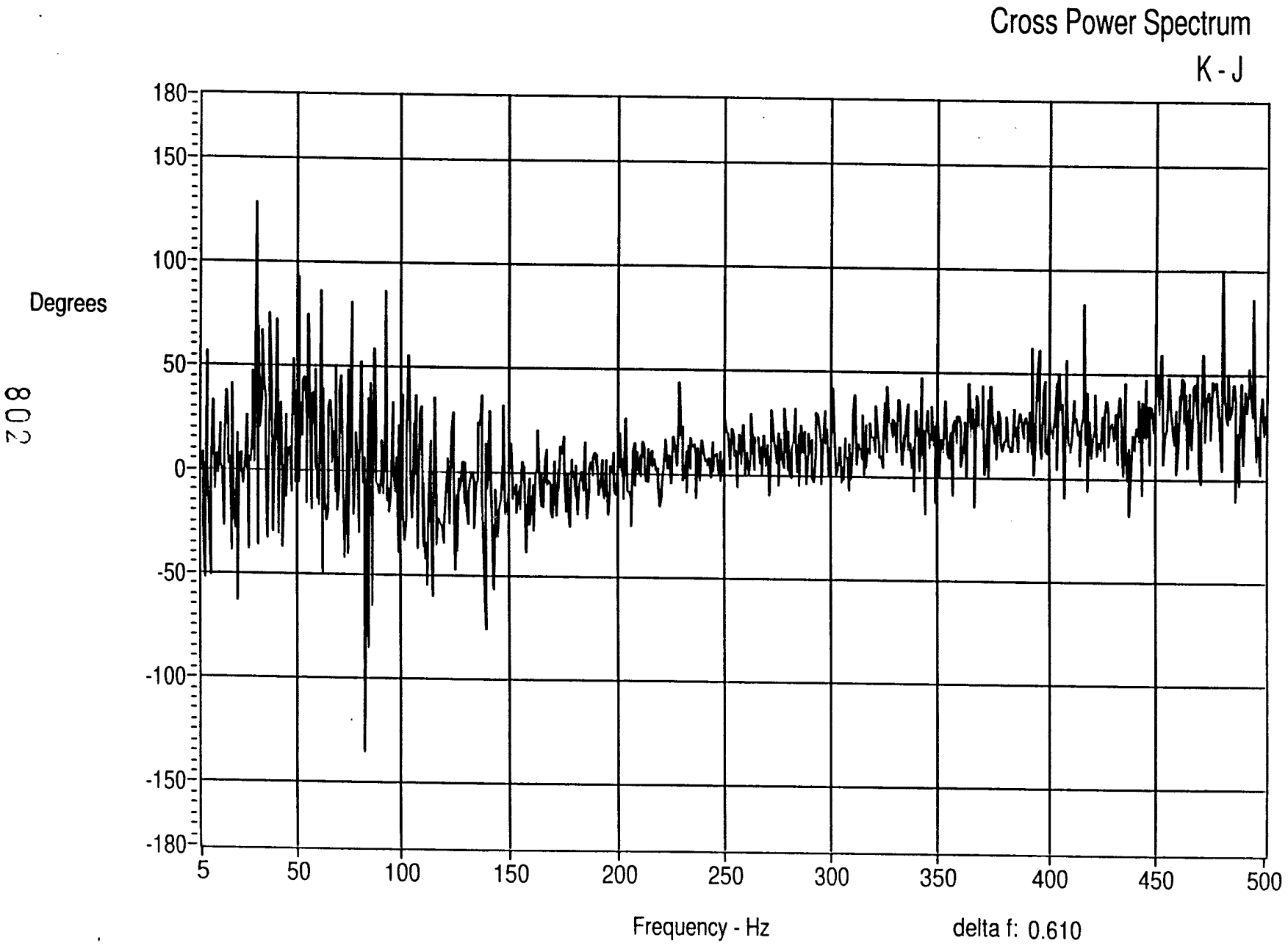
008

F-15 TPN_2924: alpha=20 beta=4 bp=0



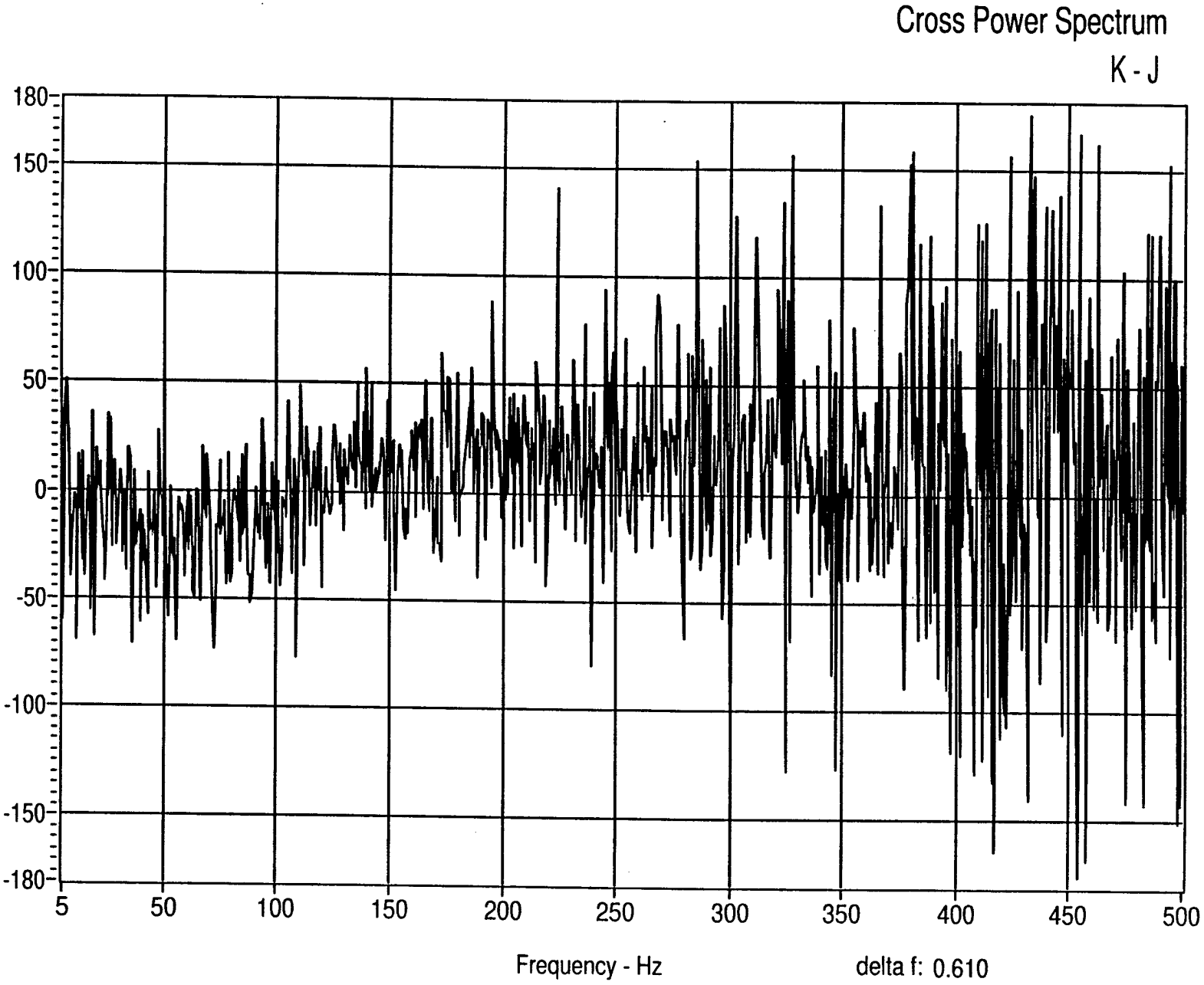
801

F-15 TPN_2926: alpha=24 beta=4 bp=0



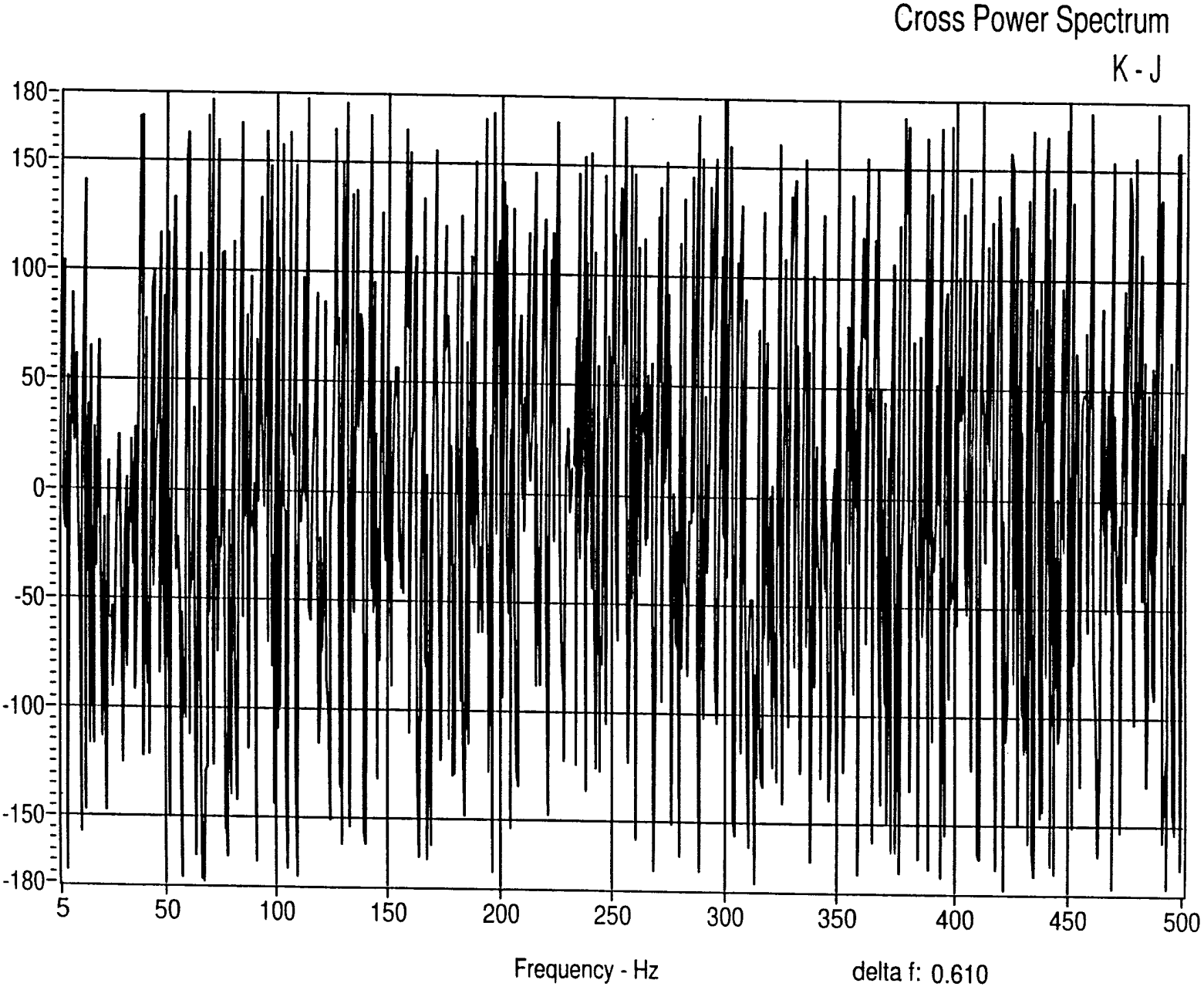
802

F-15 TPN_2928: alpha=32 beta=4 bp=0

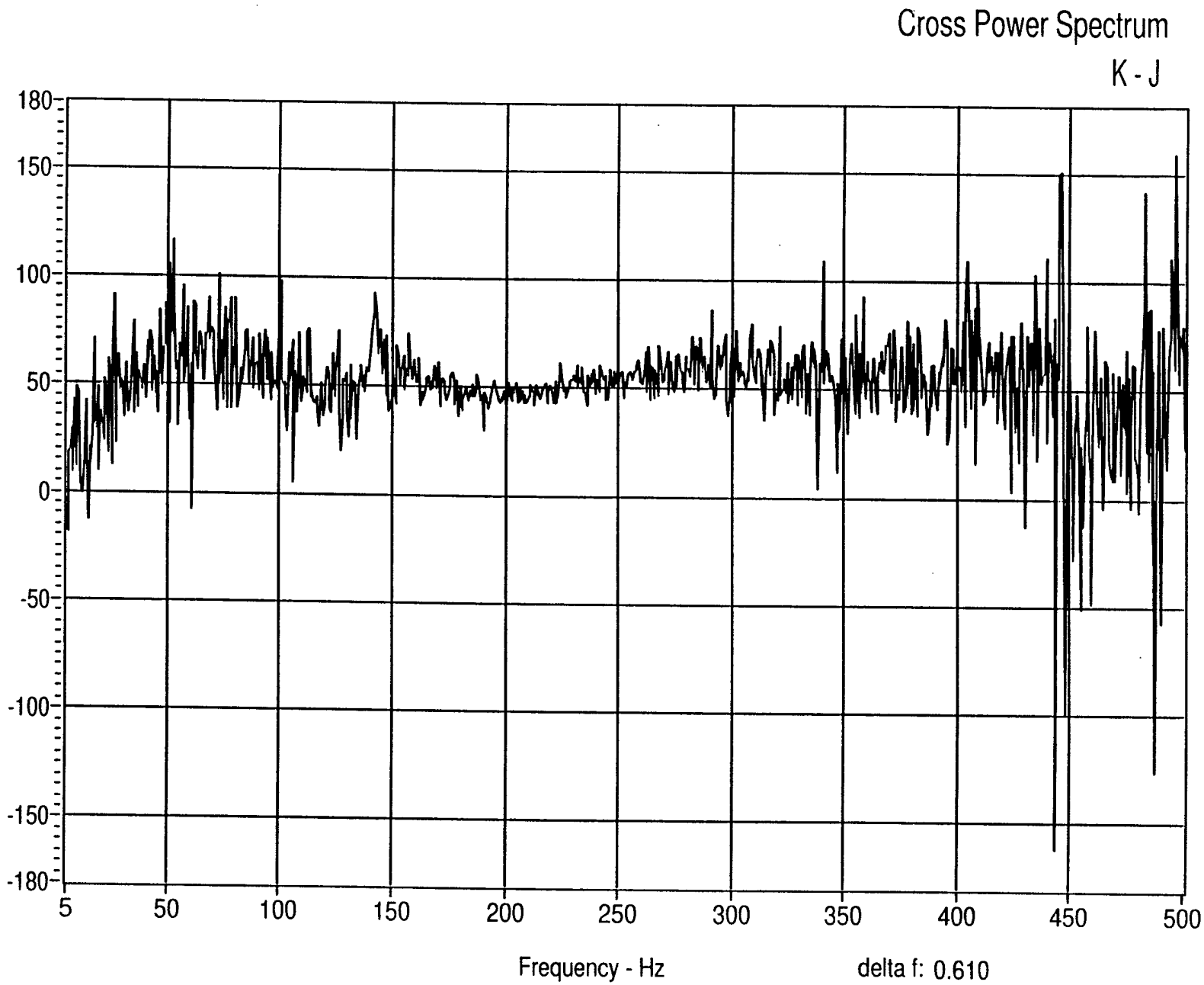


803

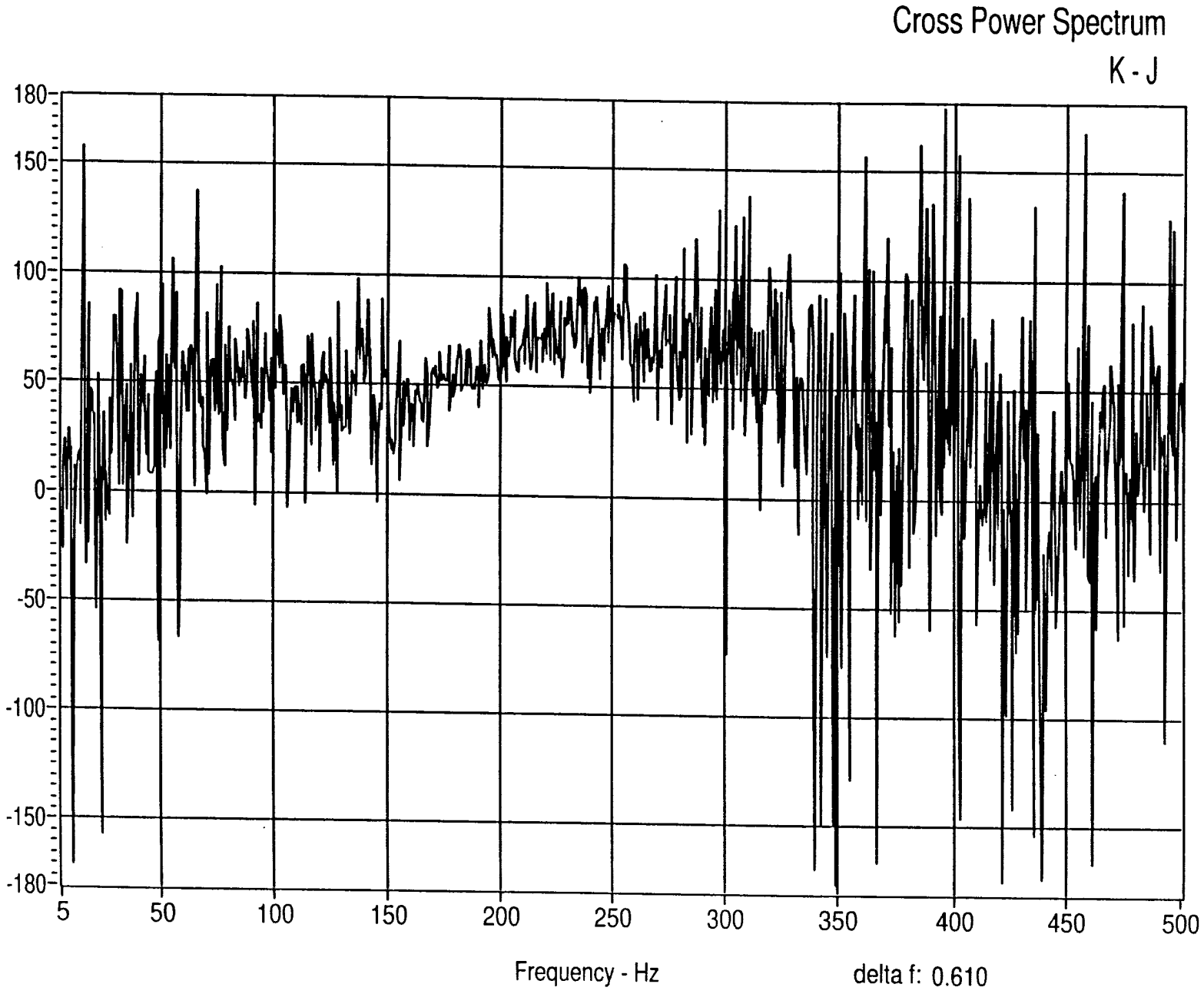
F-15 TPN_2844: alpha=8 beta=0 bp=0



F-15 TPN_2850: alpha=20 beta=0 bp=0

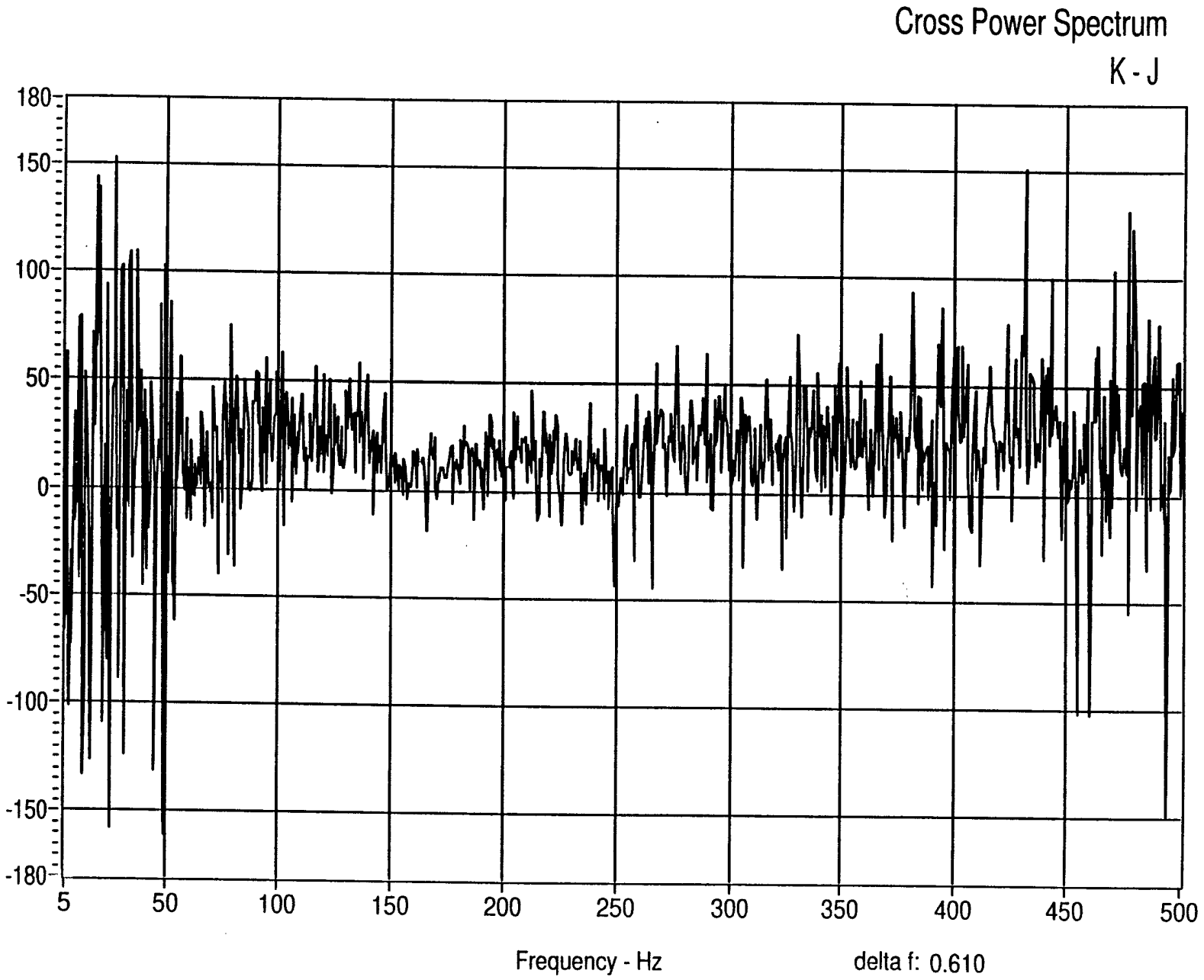


F-15 TPN_2852: alpha=24 beta=0 bp=0



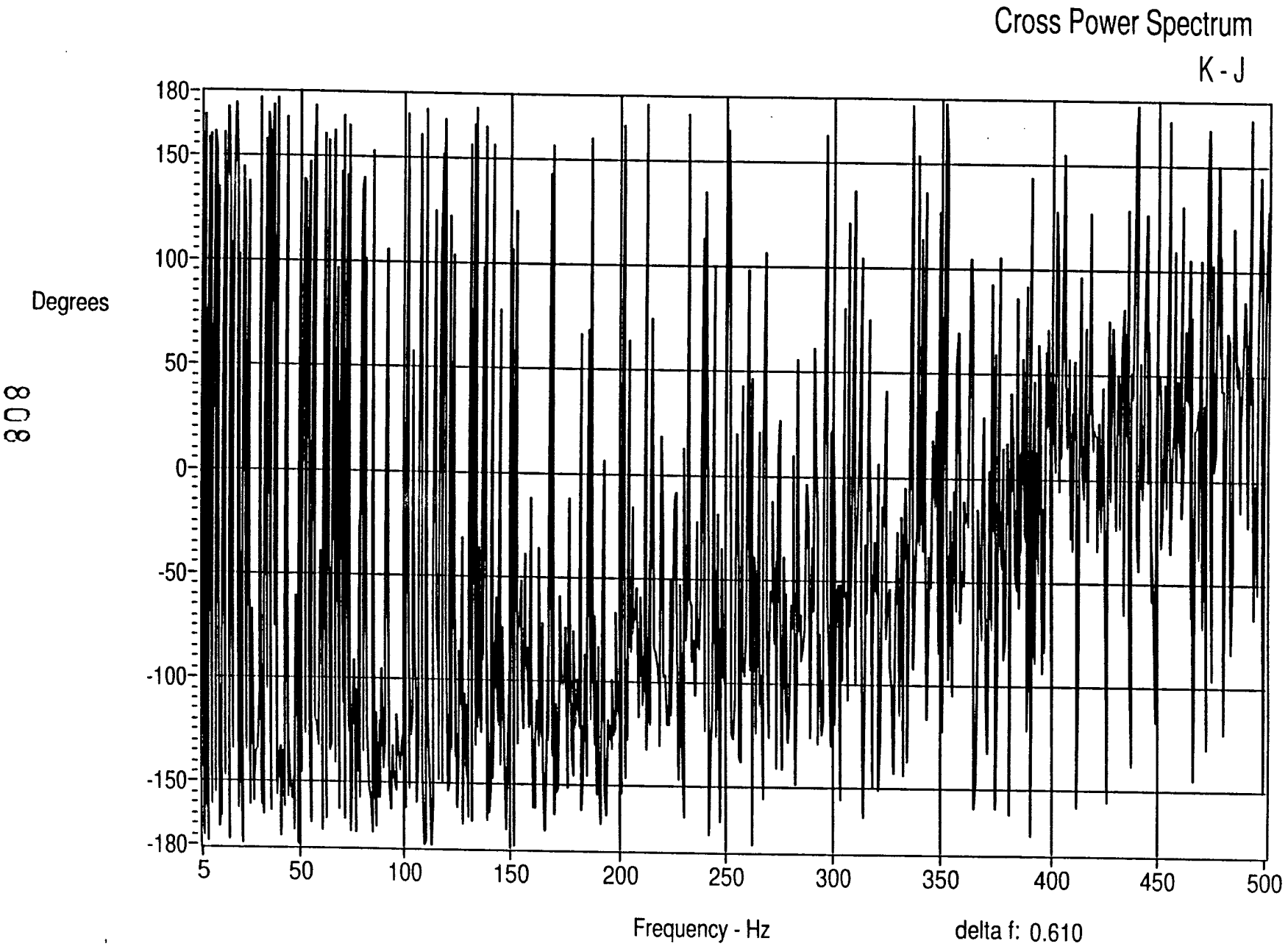
908

F-15 TPN_2854: alpha=32 beta=0 bp=0



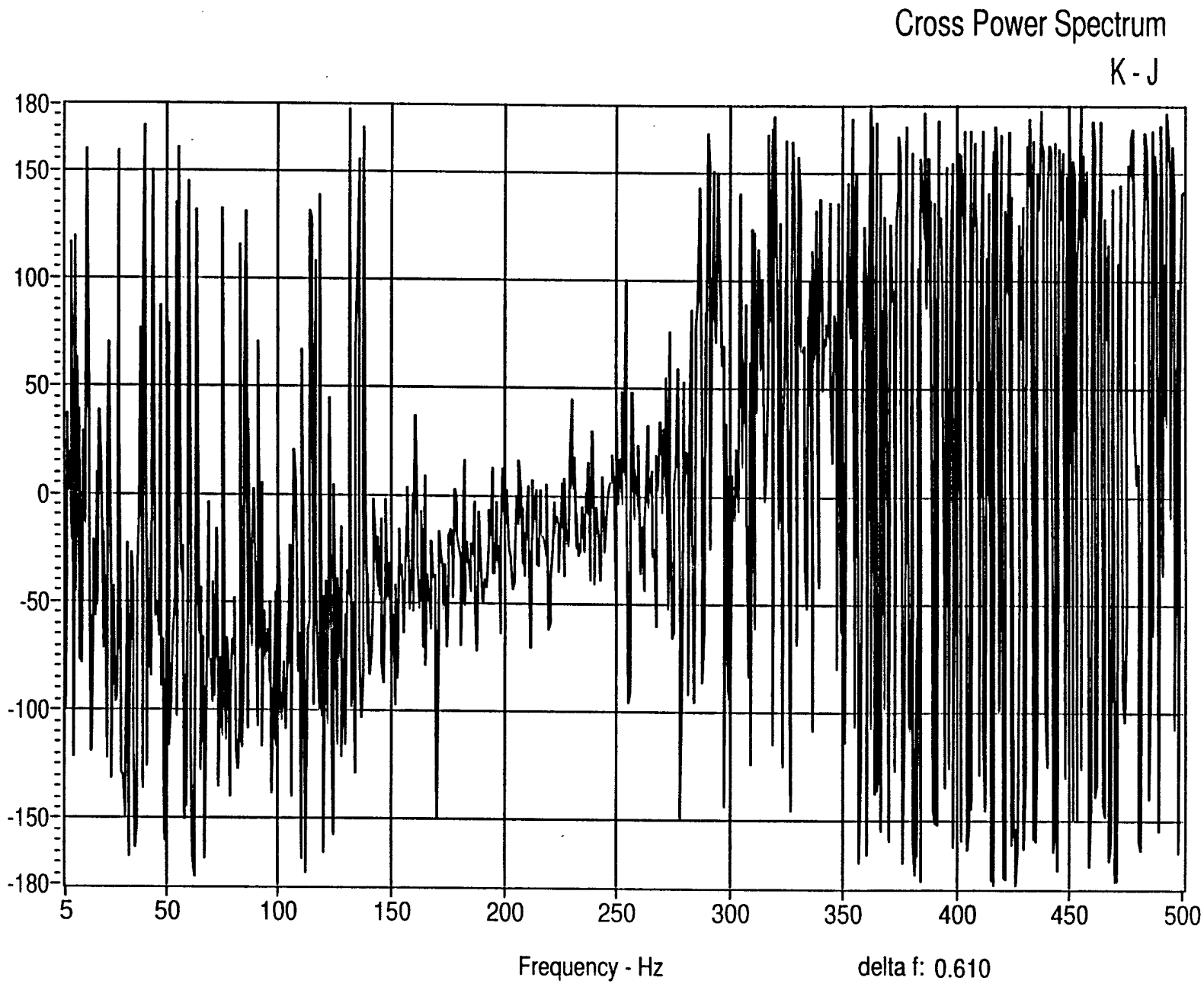
807

F-15 TPN_2864: alpha=8 beta=-4 bp=0



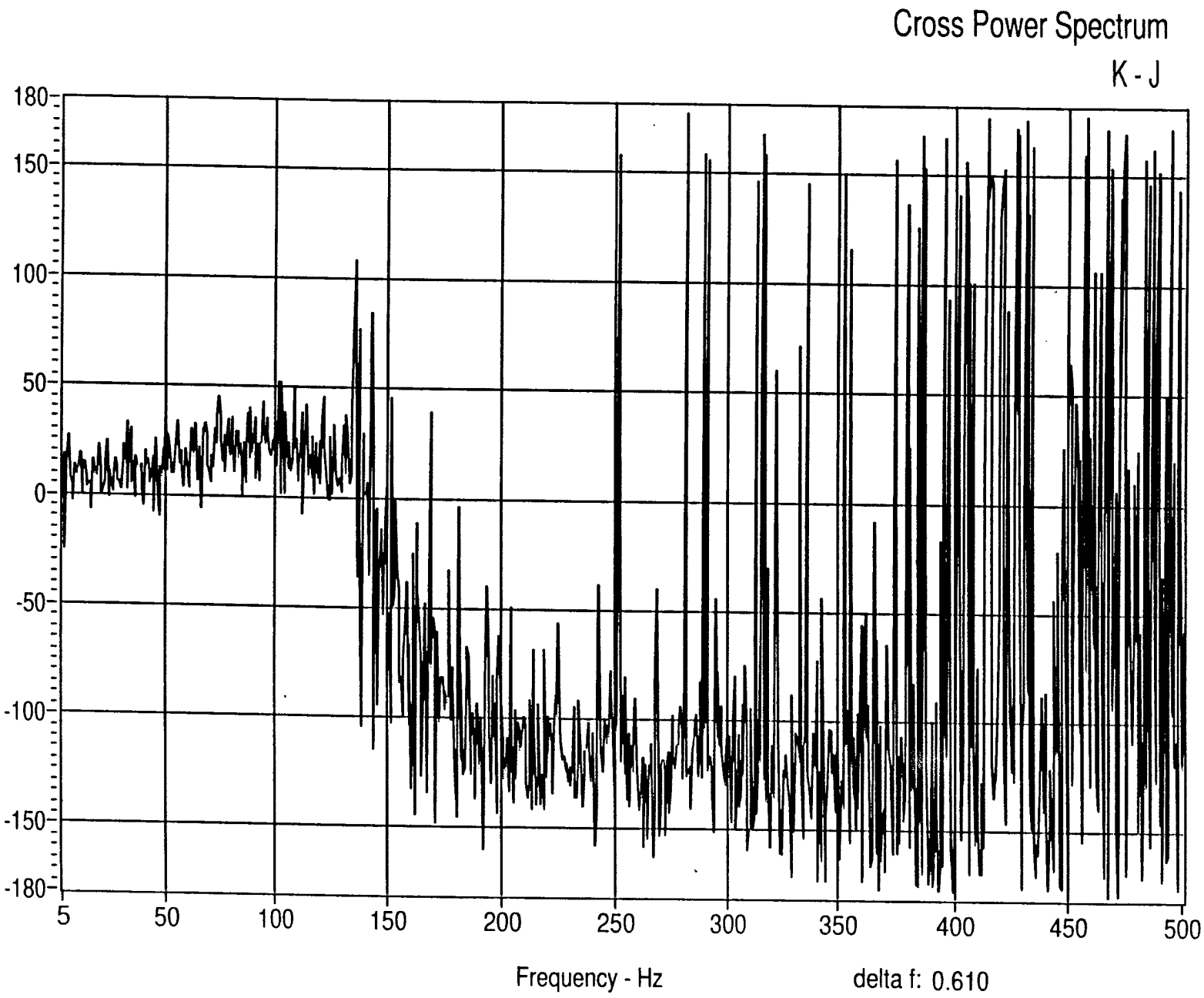
808

F-15 TPN_2870: alpha=20 beta=-4 bp=0



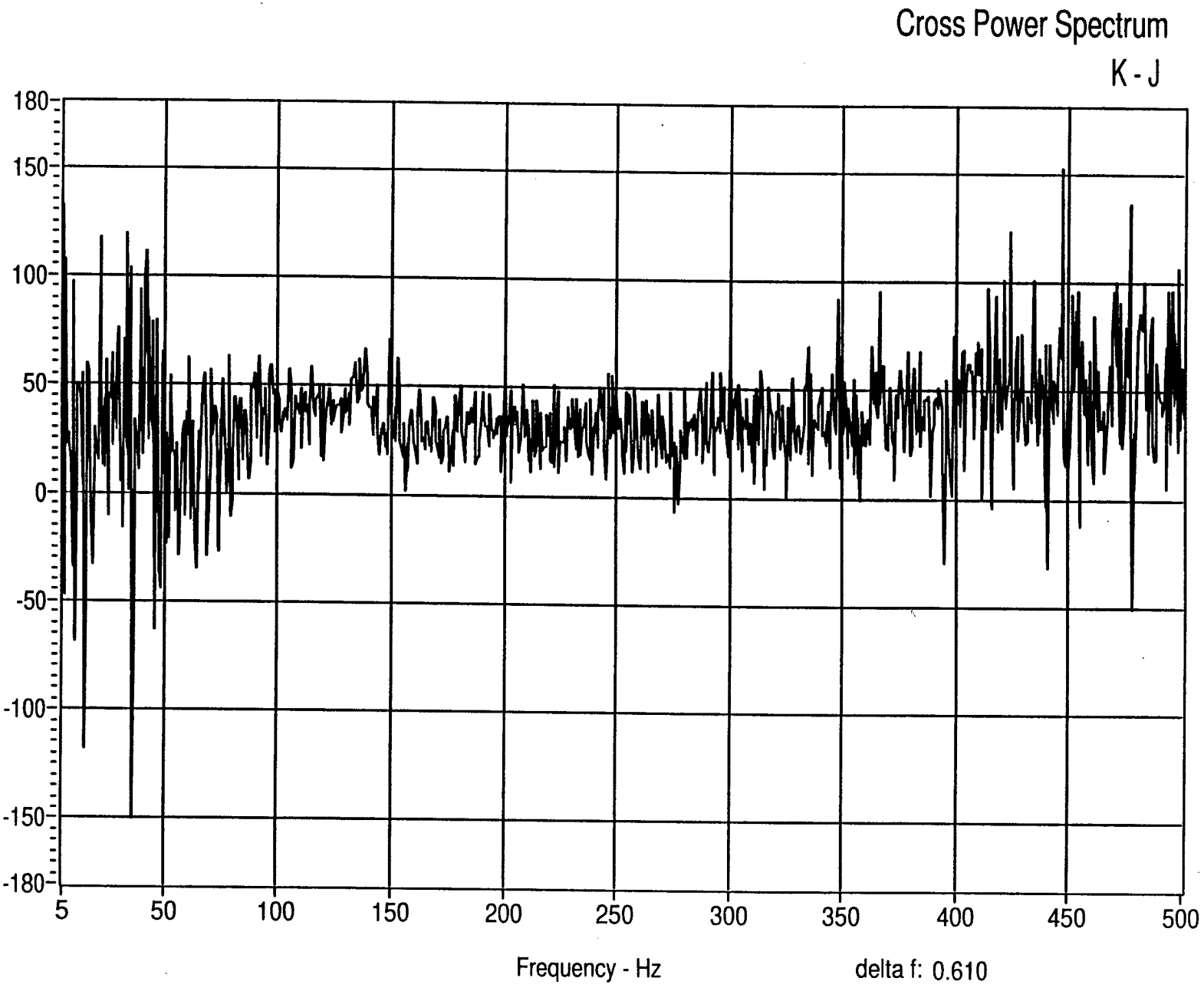
608

F-15 TPN_2872: alpha=24 beta=-4 bp=0



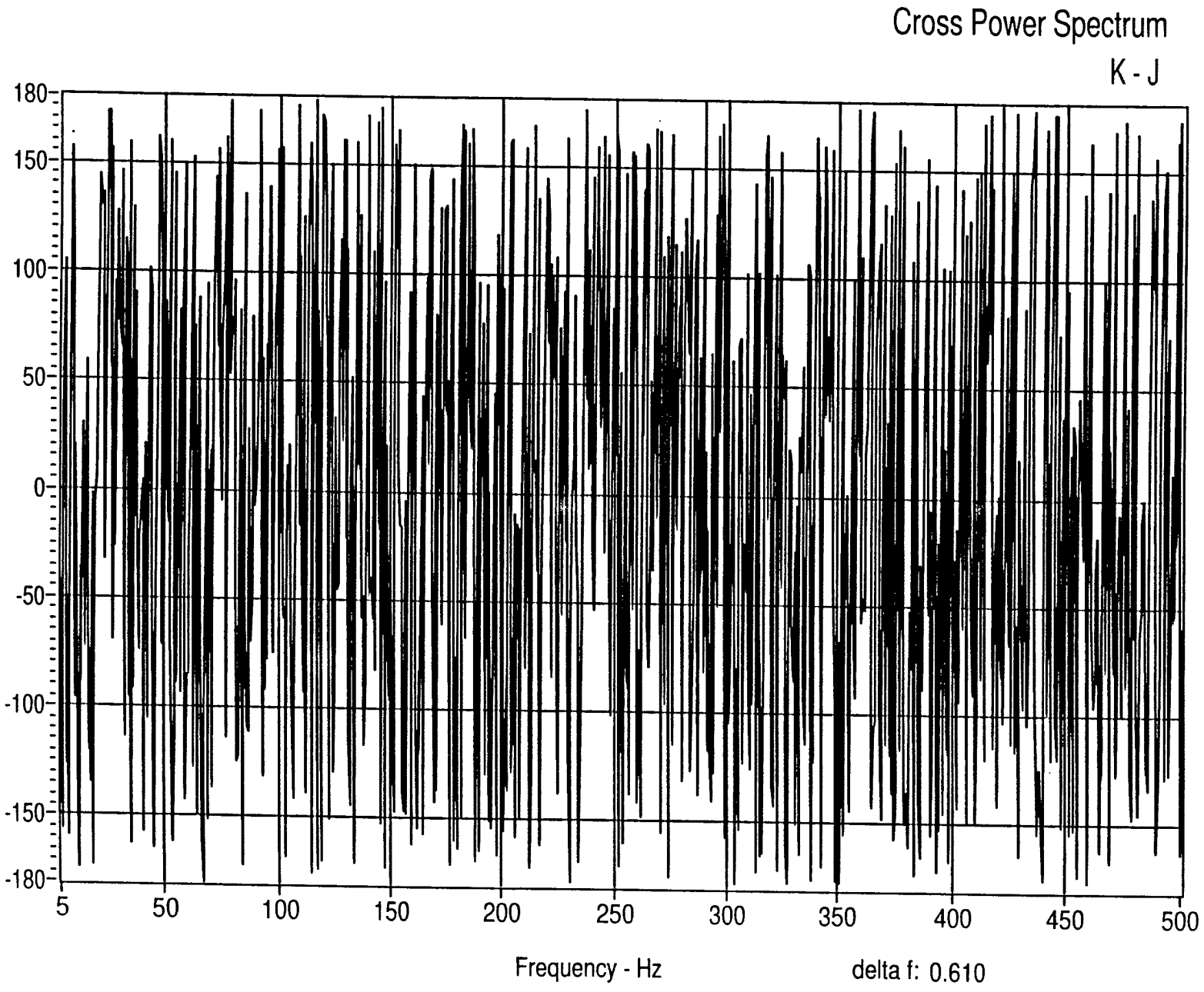
810

F-15 TPN_2874: alpha=32 beta=-4 bp=0

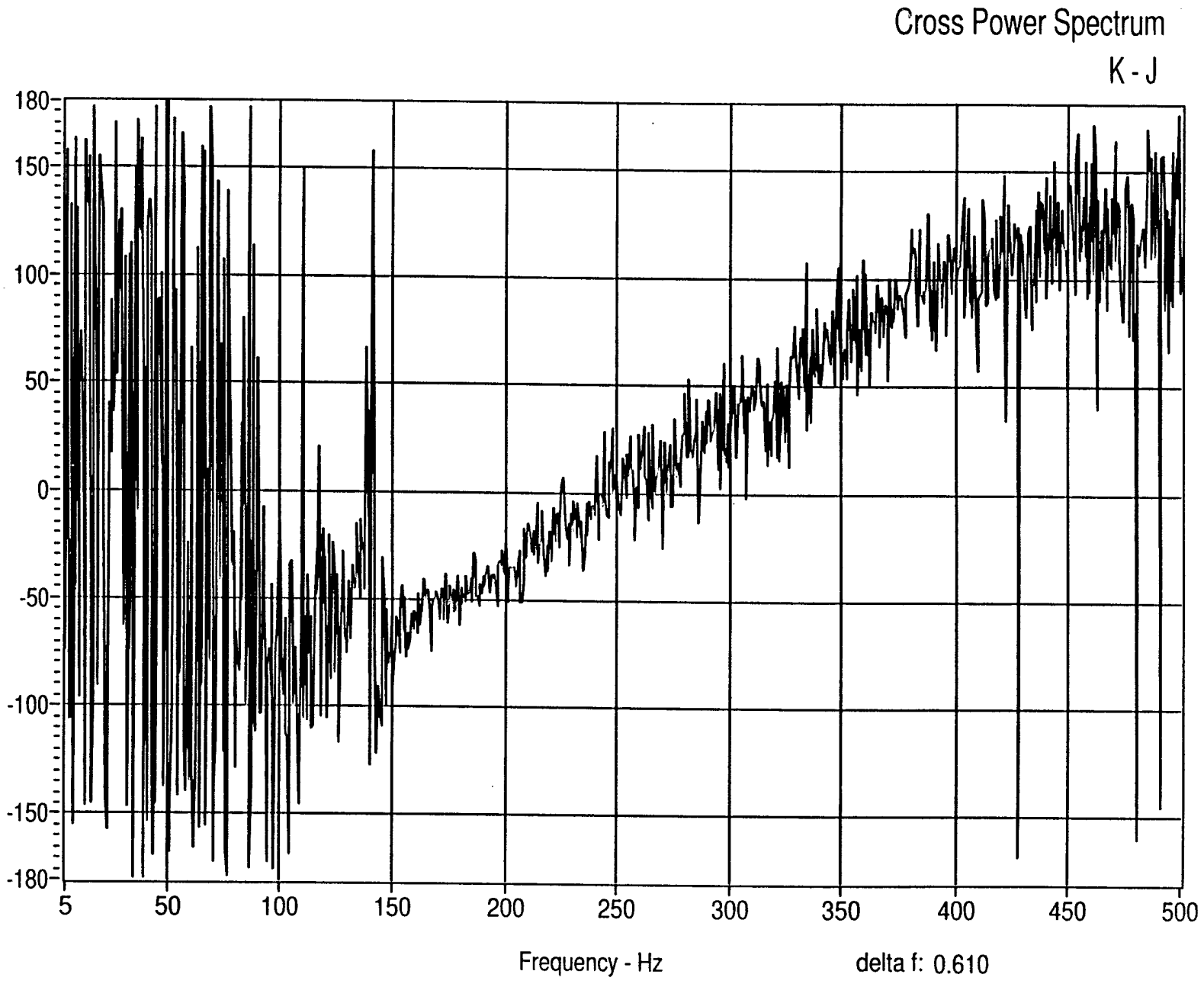


811

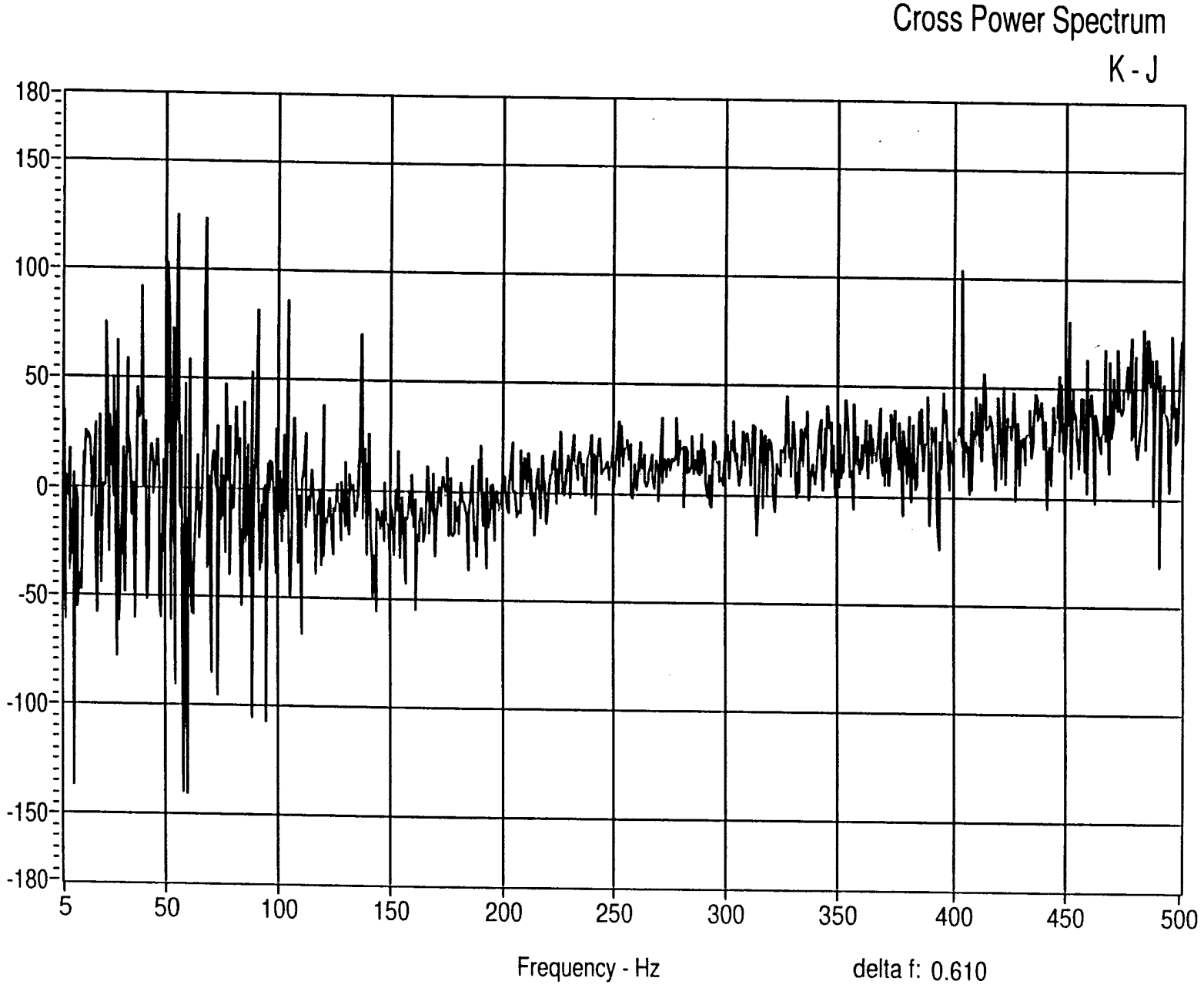
F-15 TPN_3351: alpha=8 beta=4 bp=45



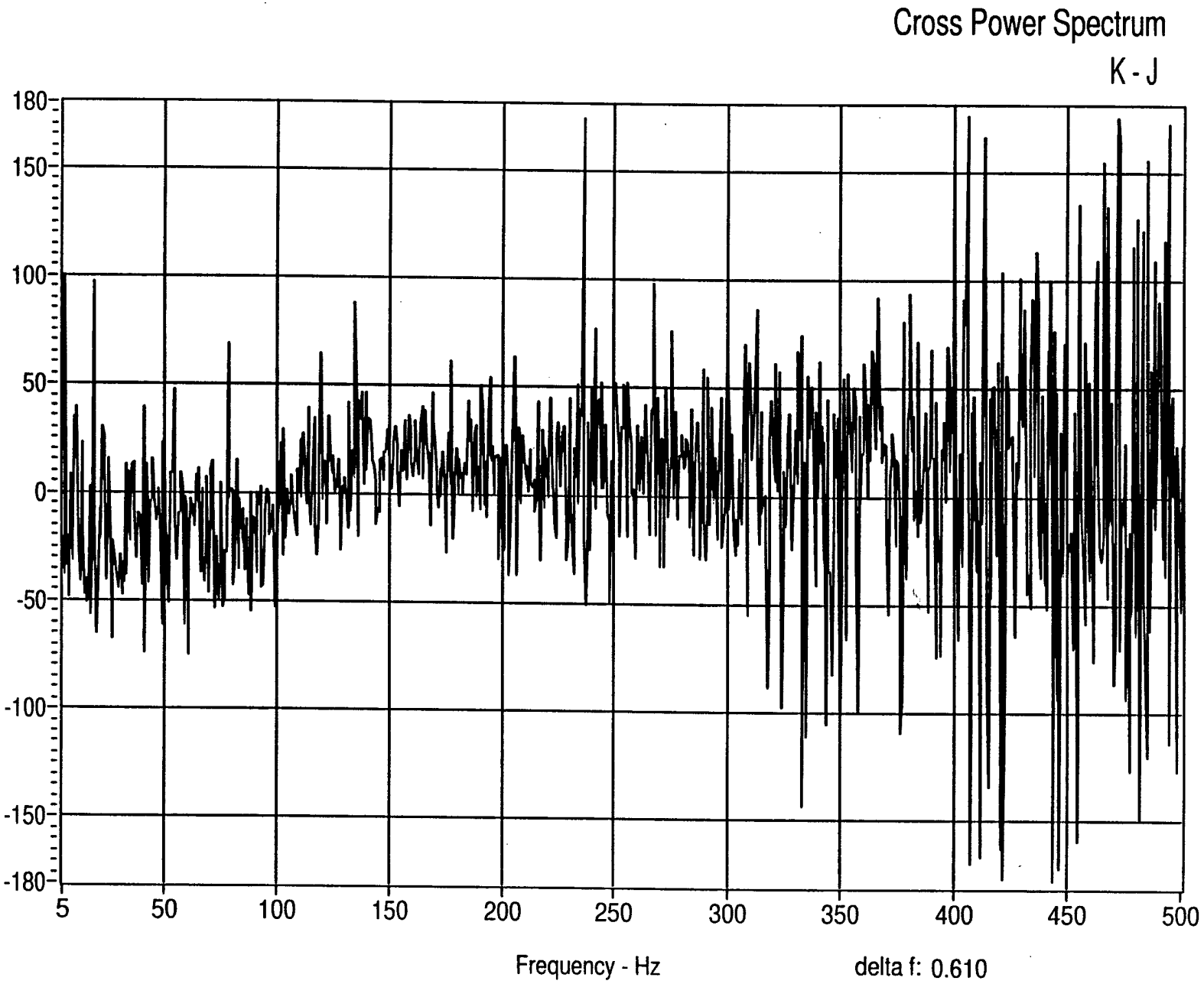
F-15 TPN_3357: alpha=20 beta=4 bp=45



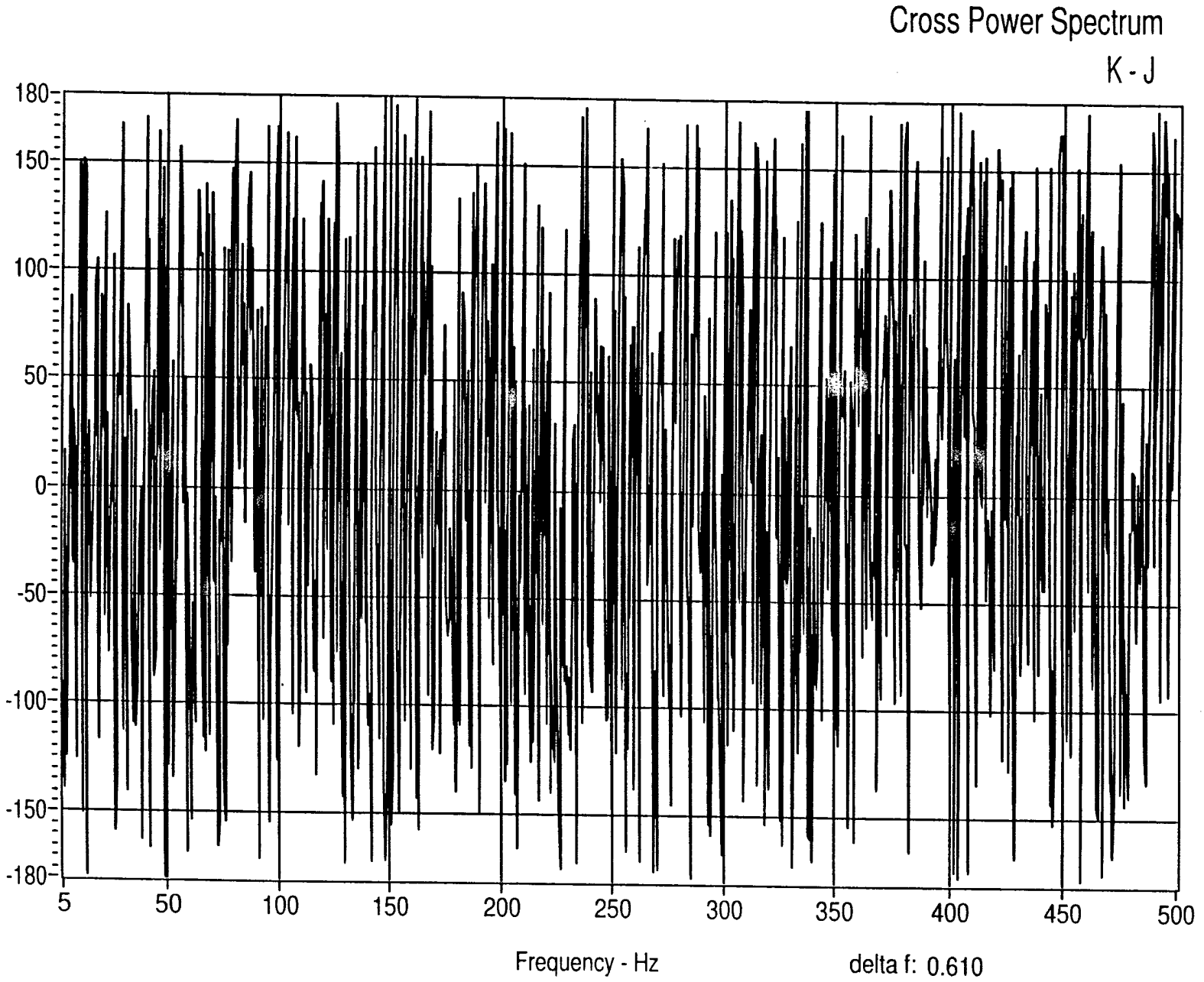
F-15 TPN_3359: alpha=24 beta=4 bp=45



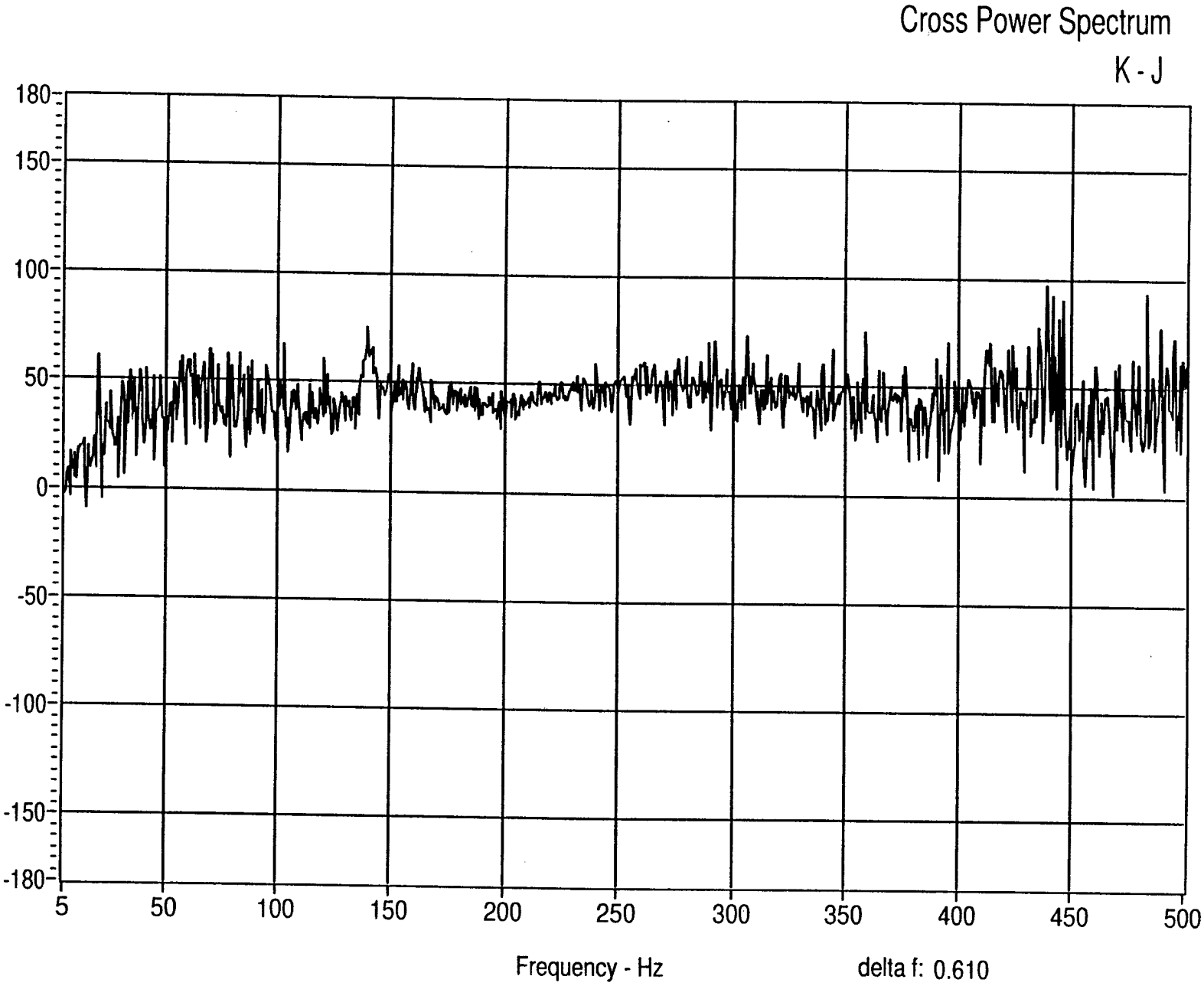
F-15 TPN_3361: alpha=32 beta=4 bp=45



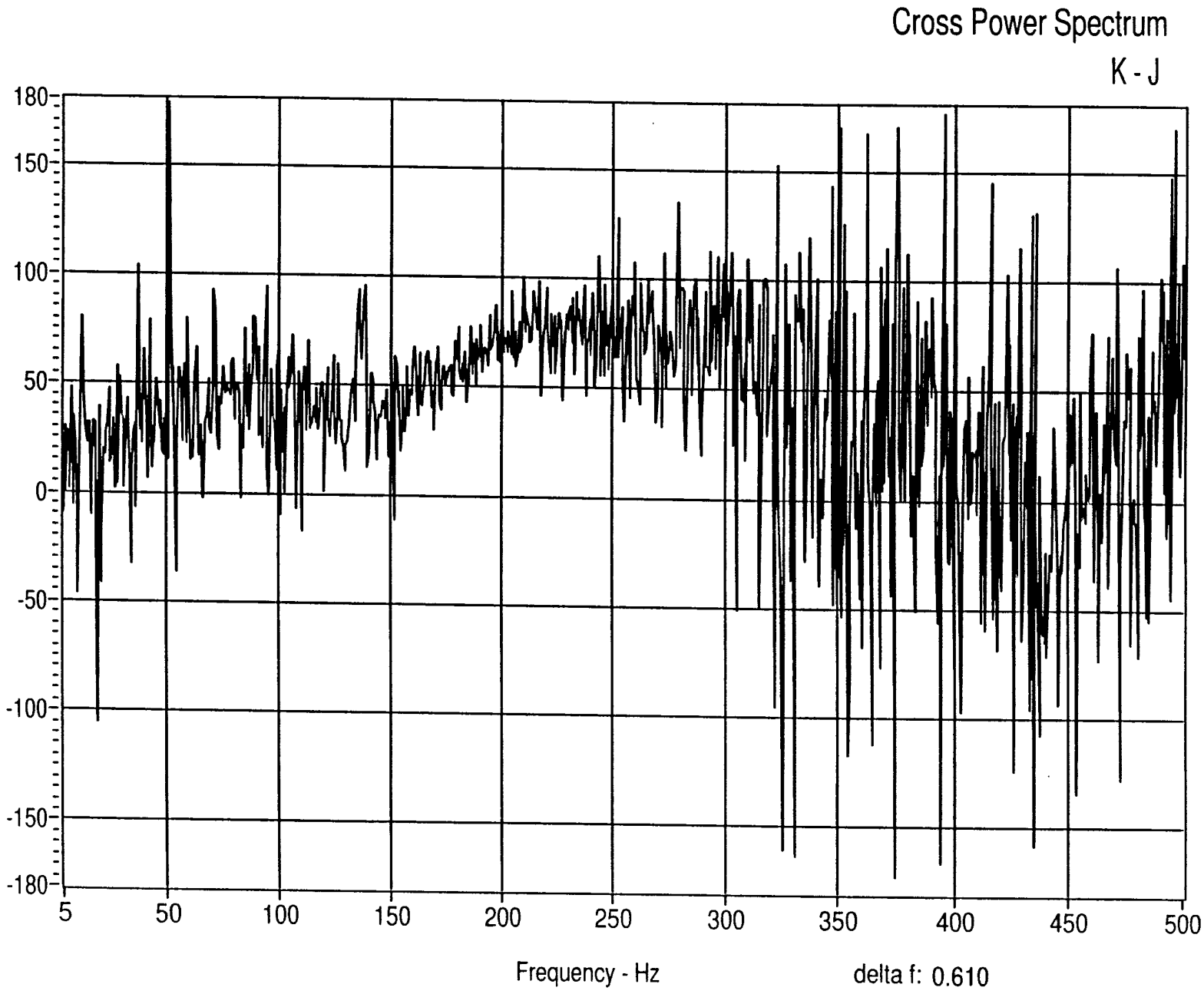
F-15 TPN_3333: alpha=8 beta=0 bp=45



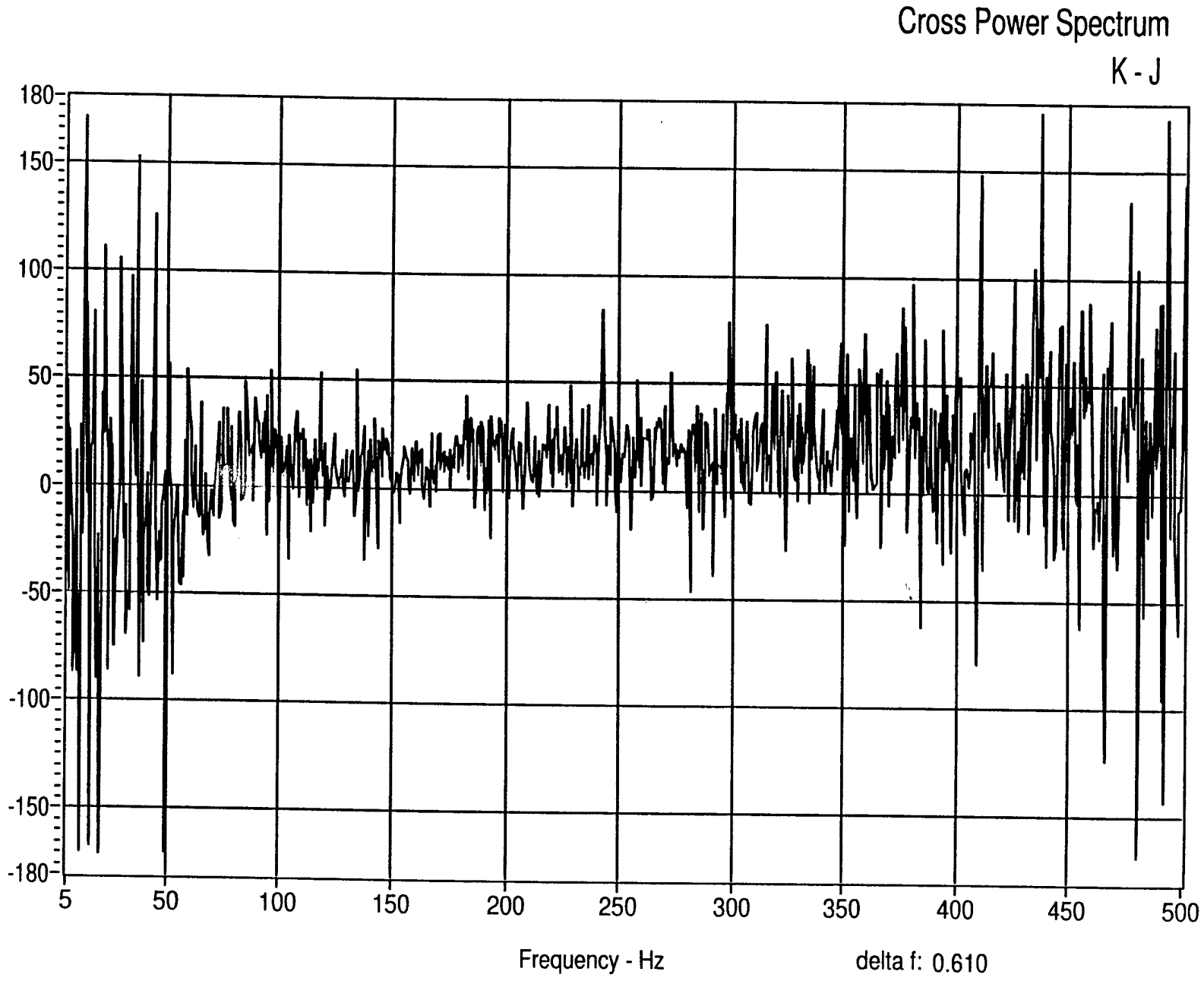
F-15 TPN_3339: alpha=20 beta=0 bp=45



F-15 TPN_3341: alpha=24 beta=0 bp=45

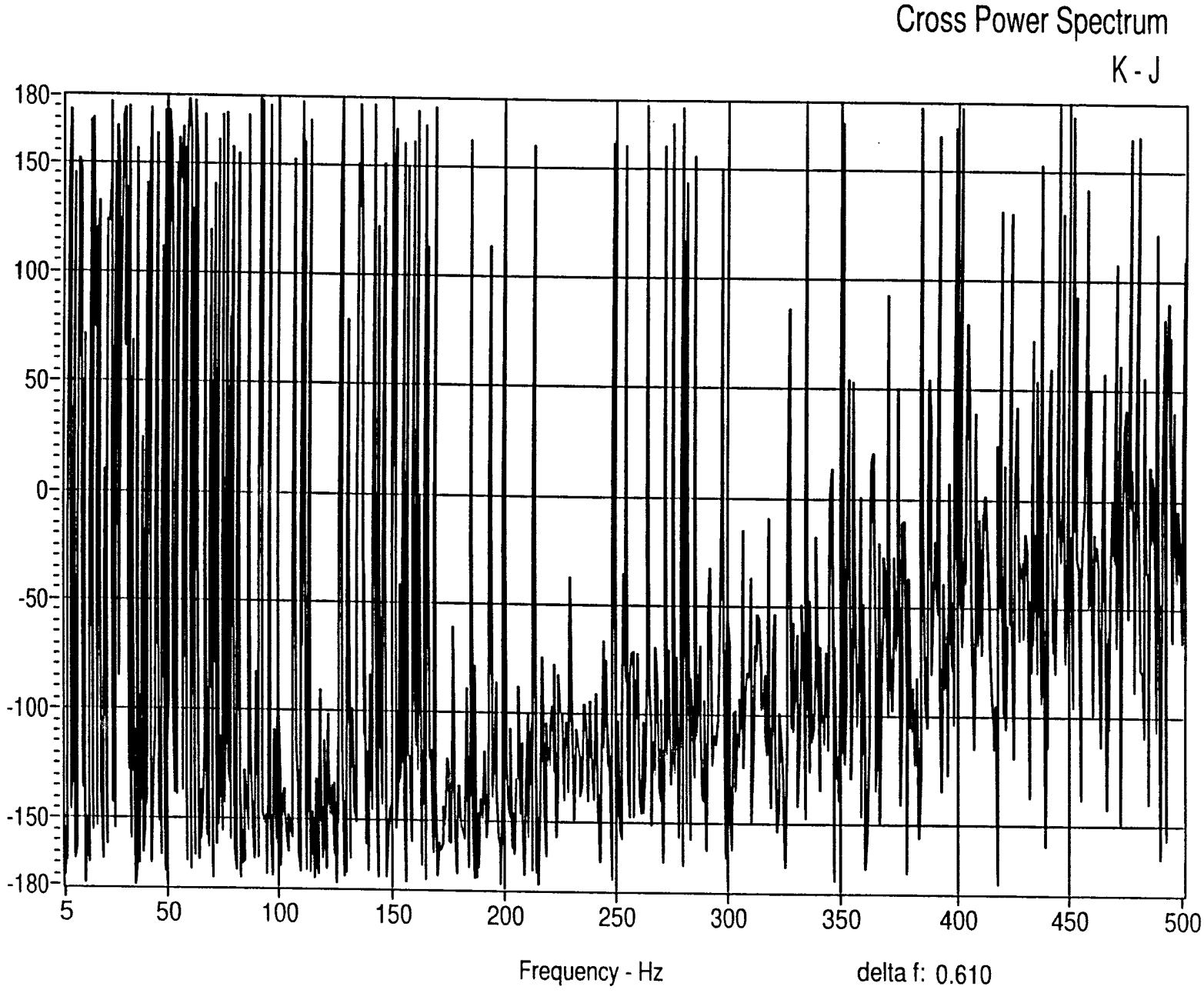


F-15 TPN_3343: alpha=32 beta=0 bp=45



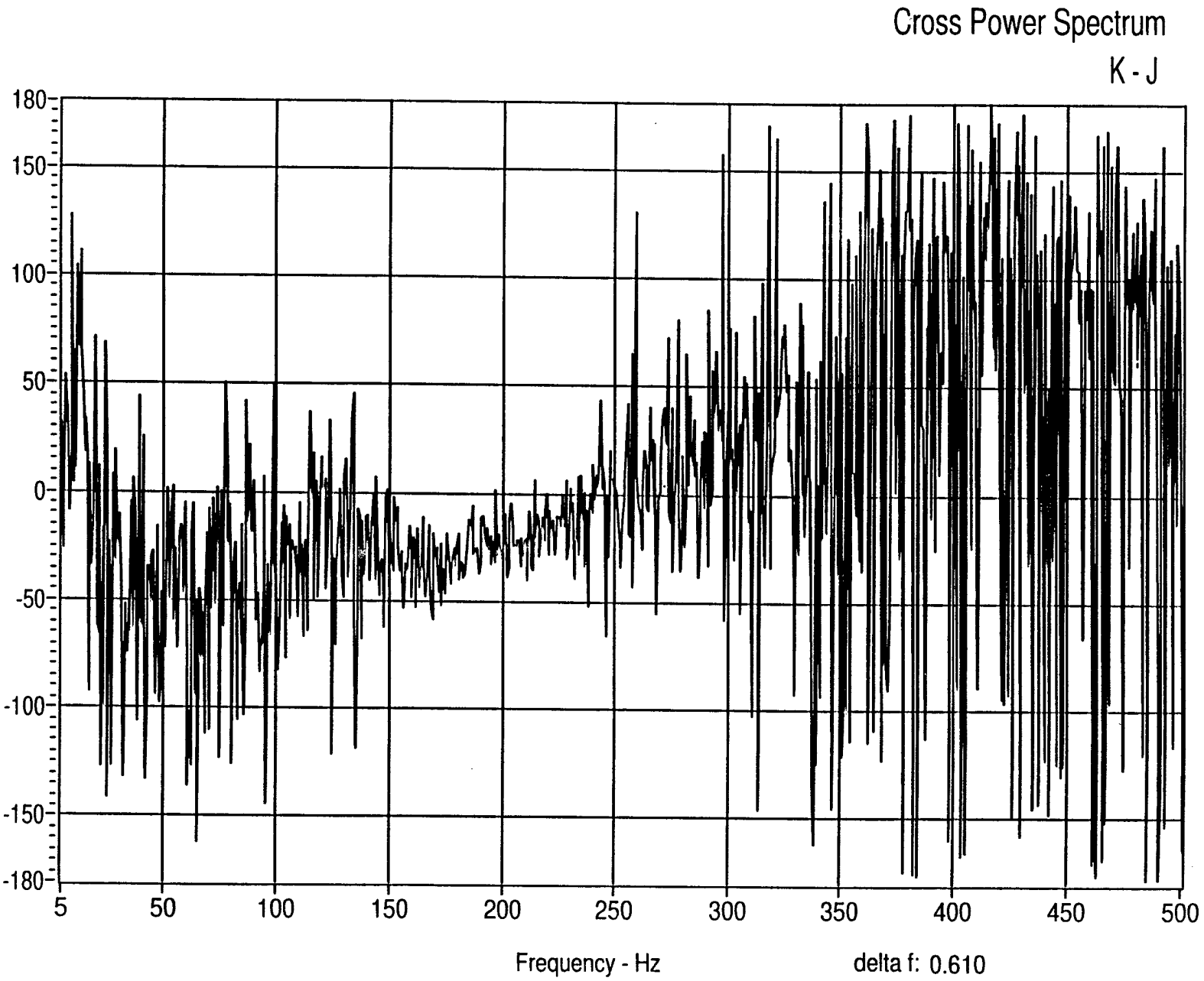
8 1 9

F-15 TPN_3369: alpha=8 beta=-4 bp=45

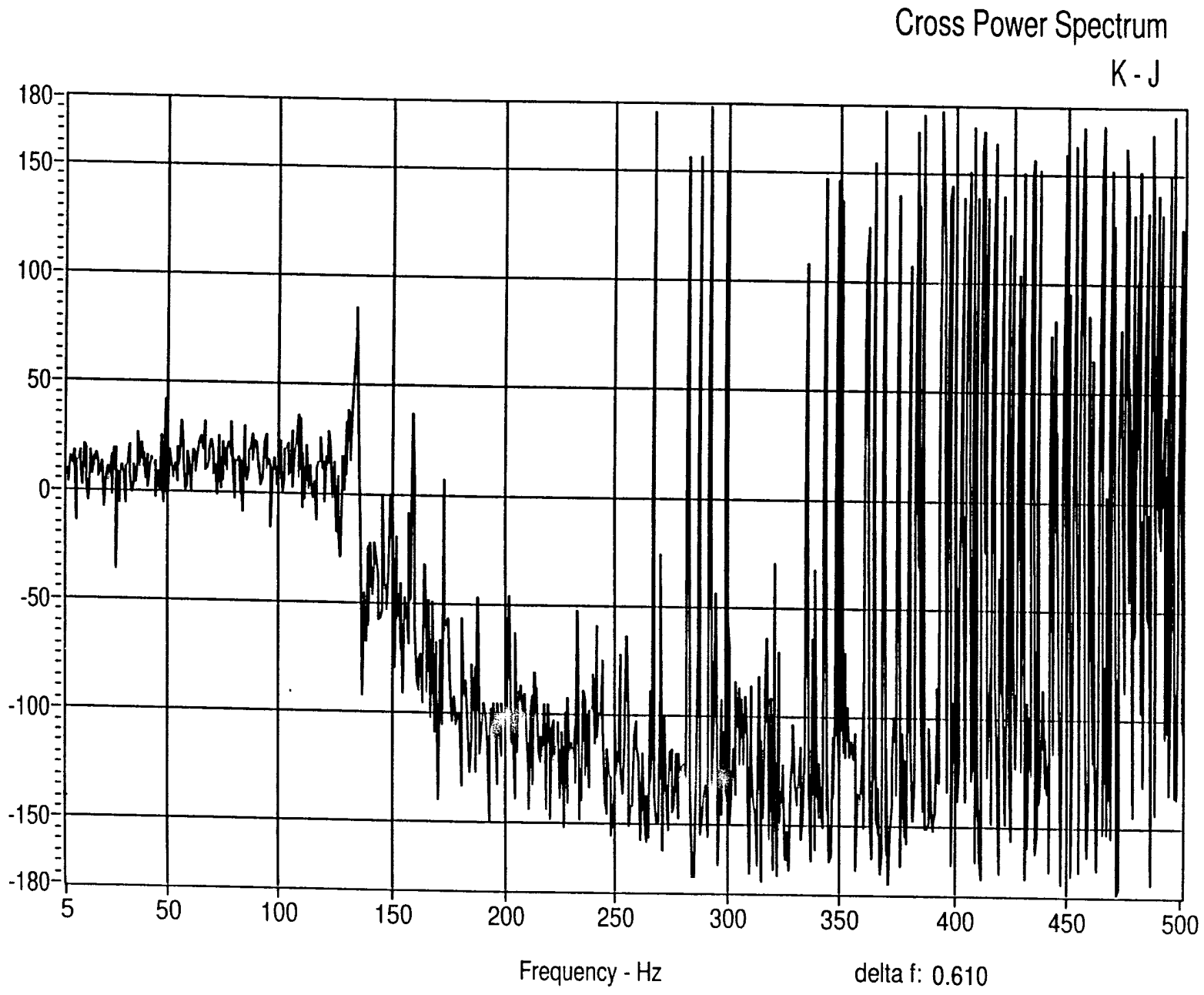


820

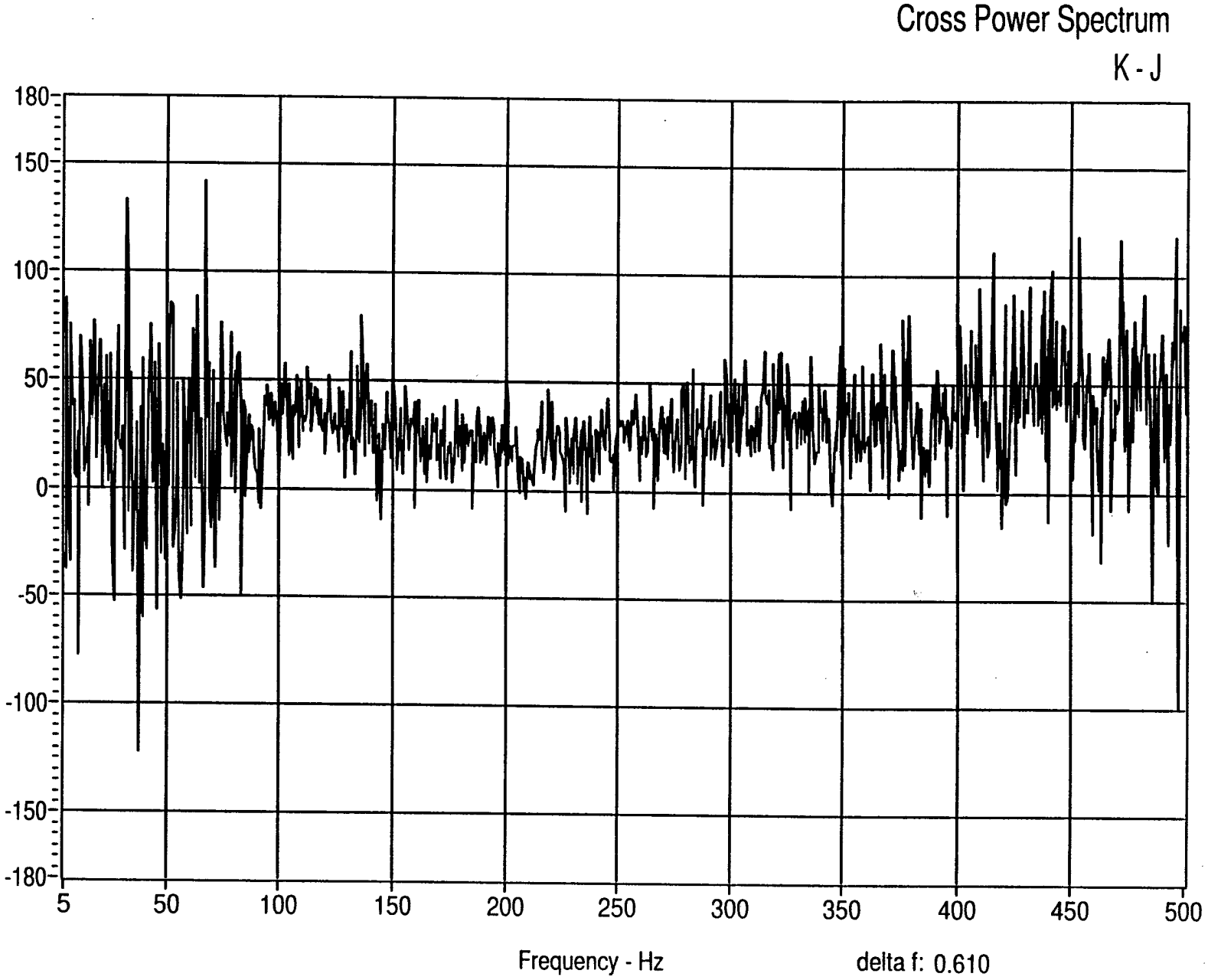
F-15 TPN_3375: alpha=20 beta=-4 bp=45



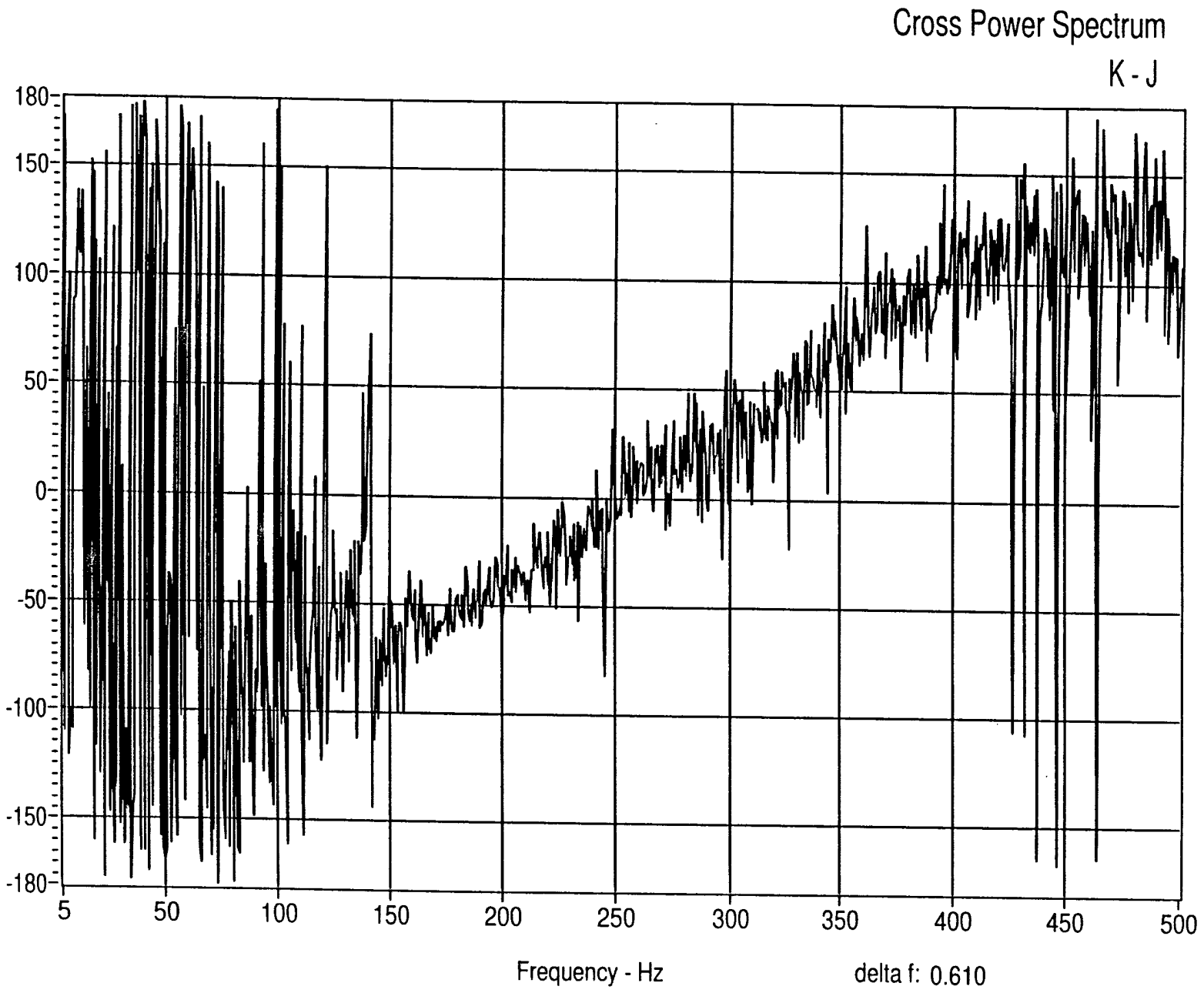
F-15 TPN_3377: alpha=24 beta=-4 bp=45



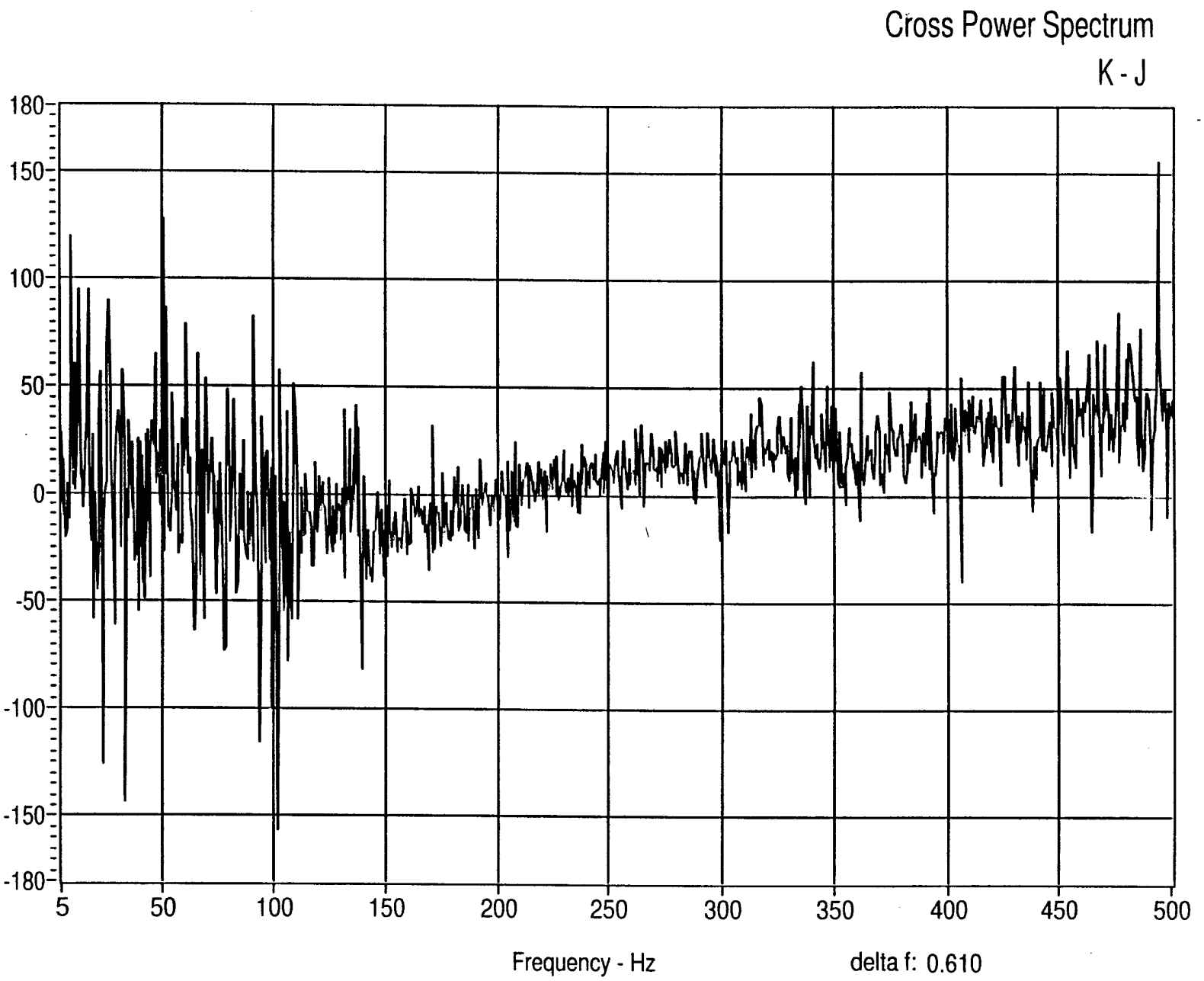
F-15 TPN_3379: alpha=32 beta=-4 bp=45



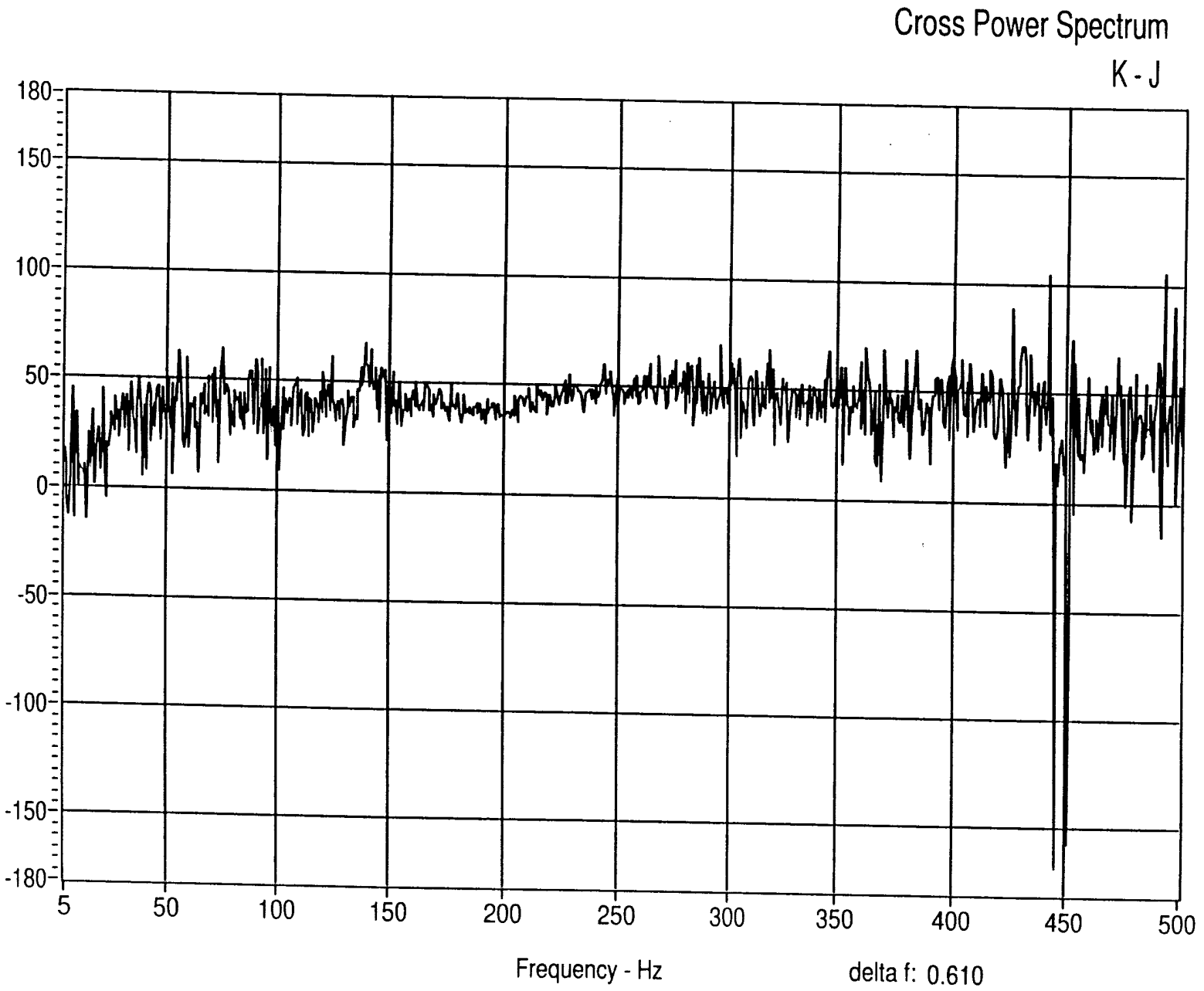
F-15 TPN_3046: alpha=20 beta=4 bp=65



F-15 TPN_3048: alpha=24 beta=4 bp=65

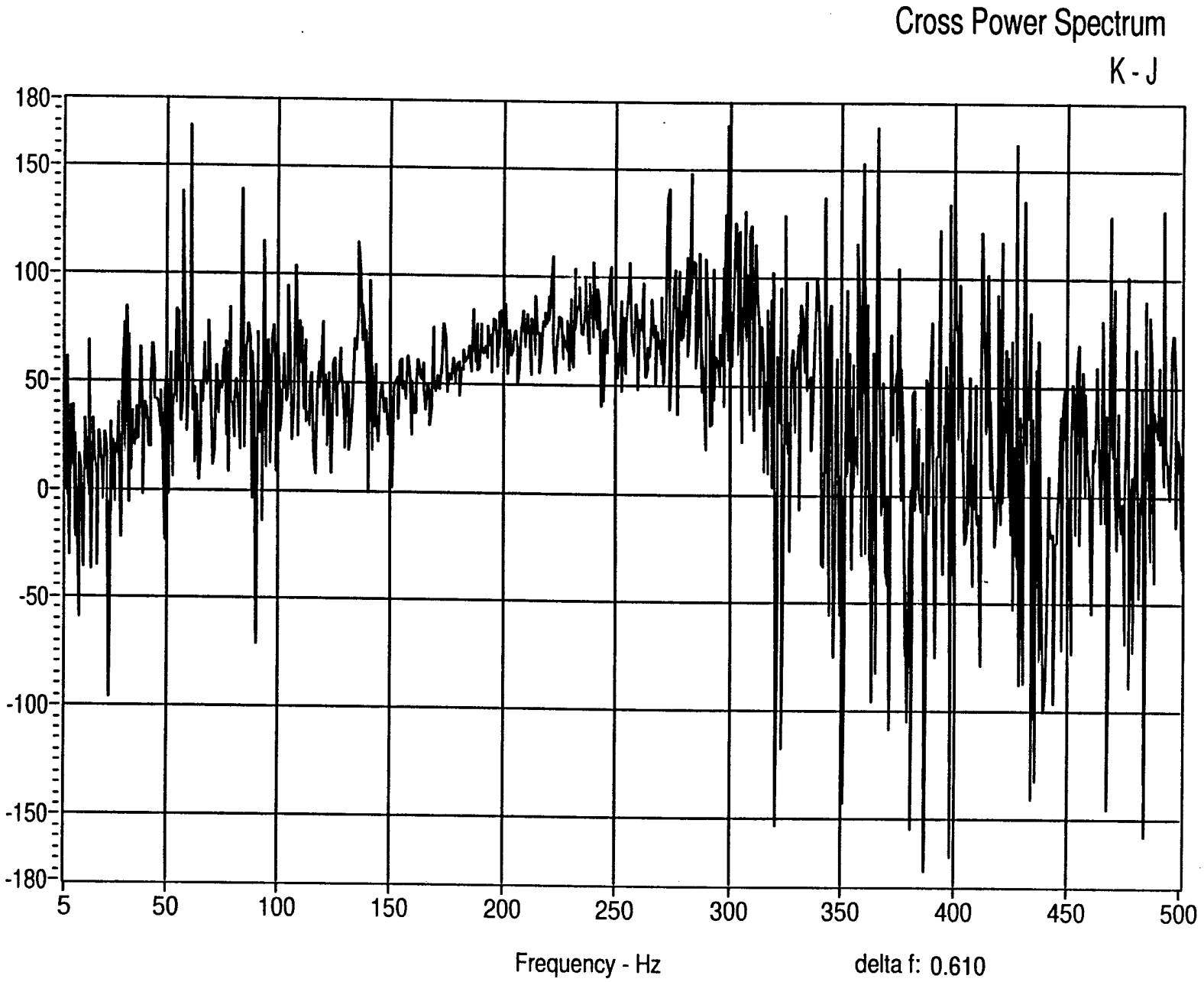


F-15 TPN_3040: alpha=20 beta=0 bp=65

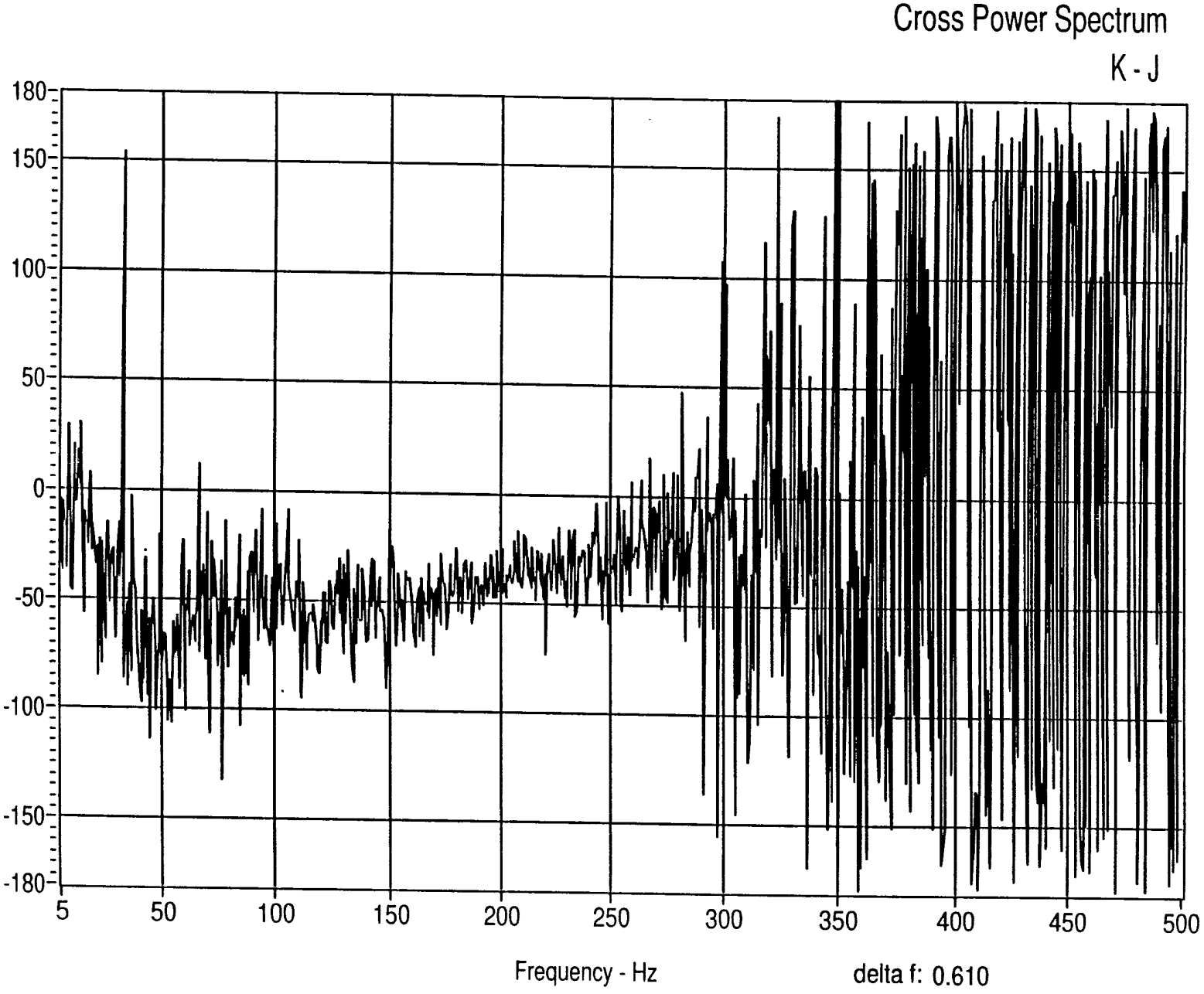


826

F-15 TPN_3042: alpha=24 beta=0 bp=65

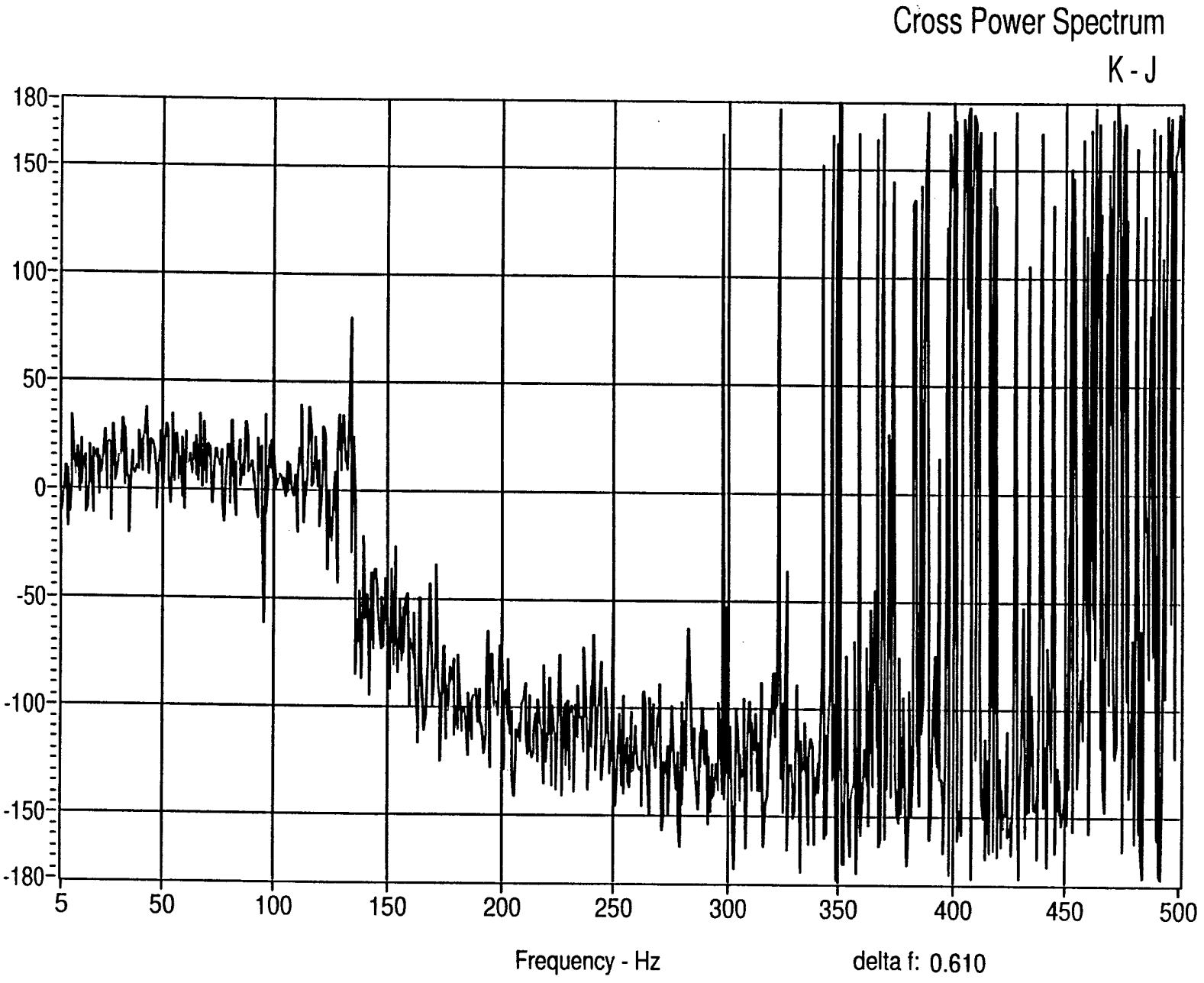


F-15 TPN_3034: alpha=20 beta=-4 bp=65



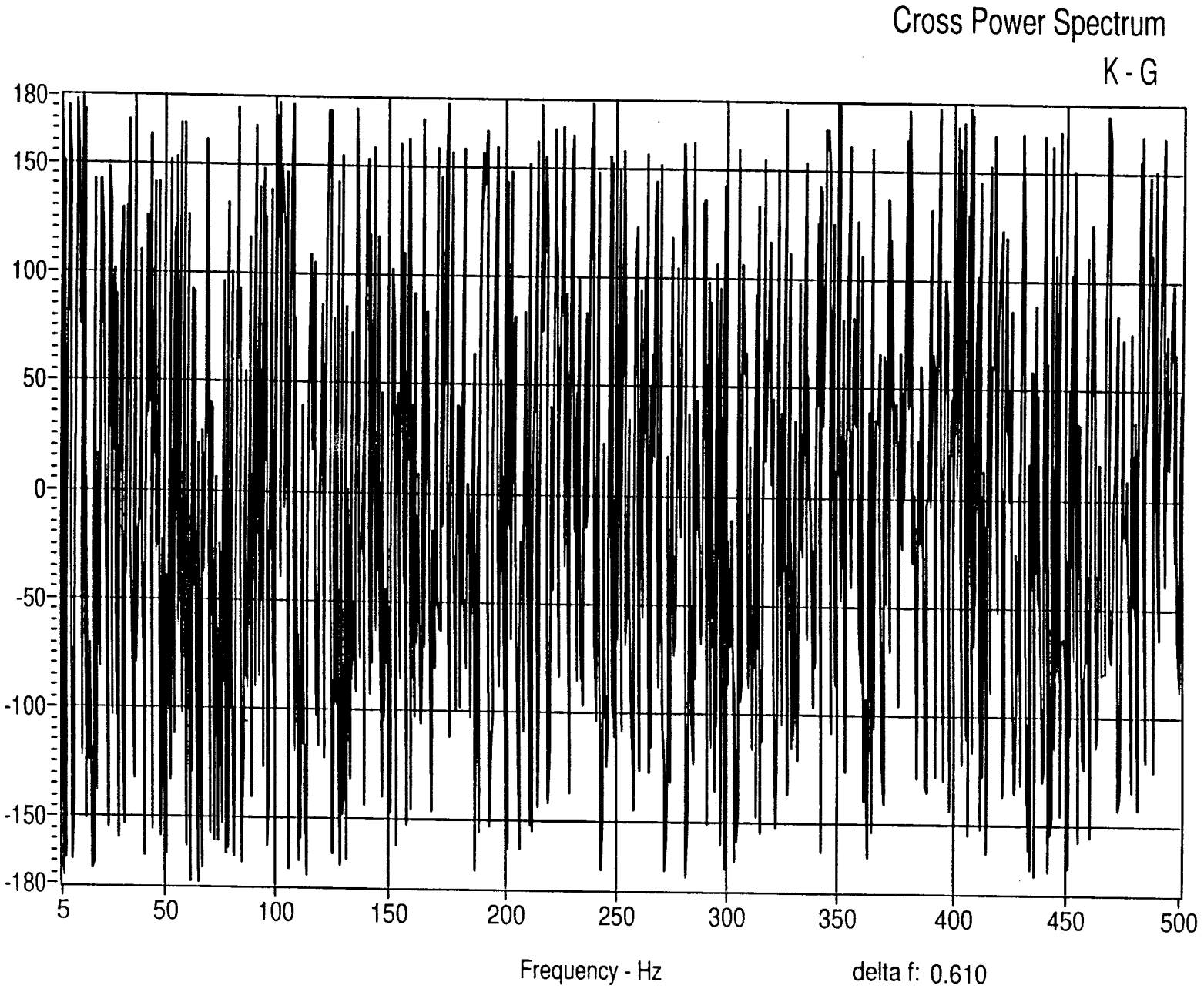
828

F-15 TPN_3036: alpha=24 beta=-4 bp=65

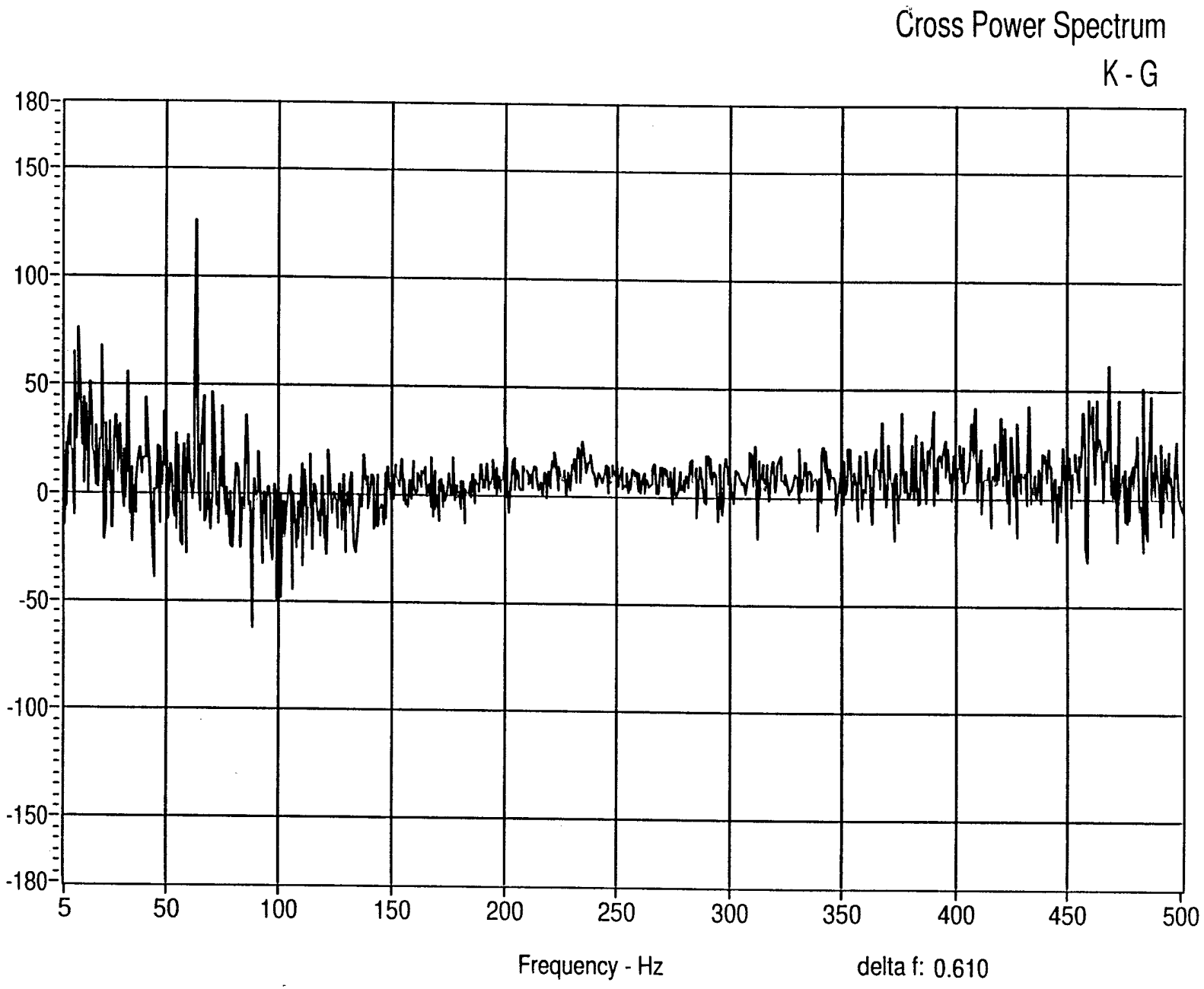


829

F-15 TPN_2918: alpha=8 beta=4 bp=0

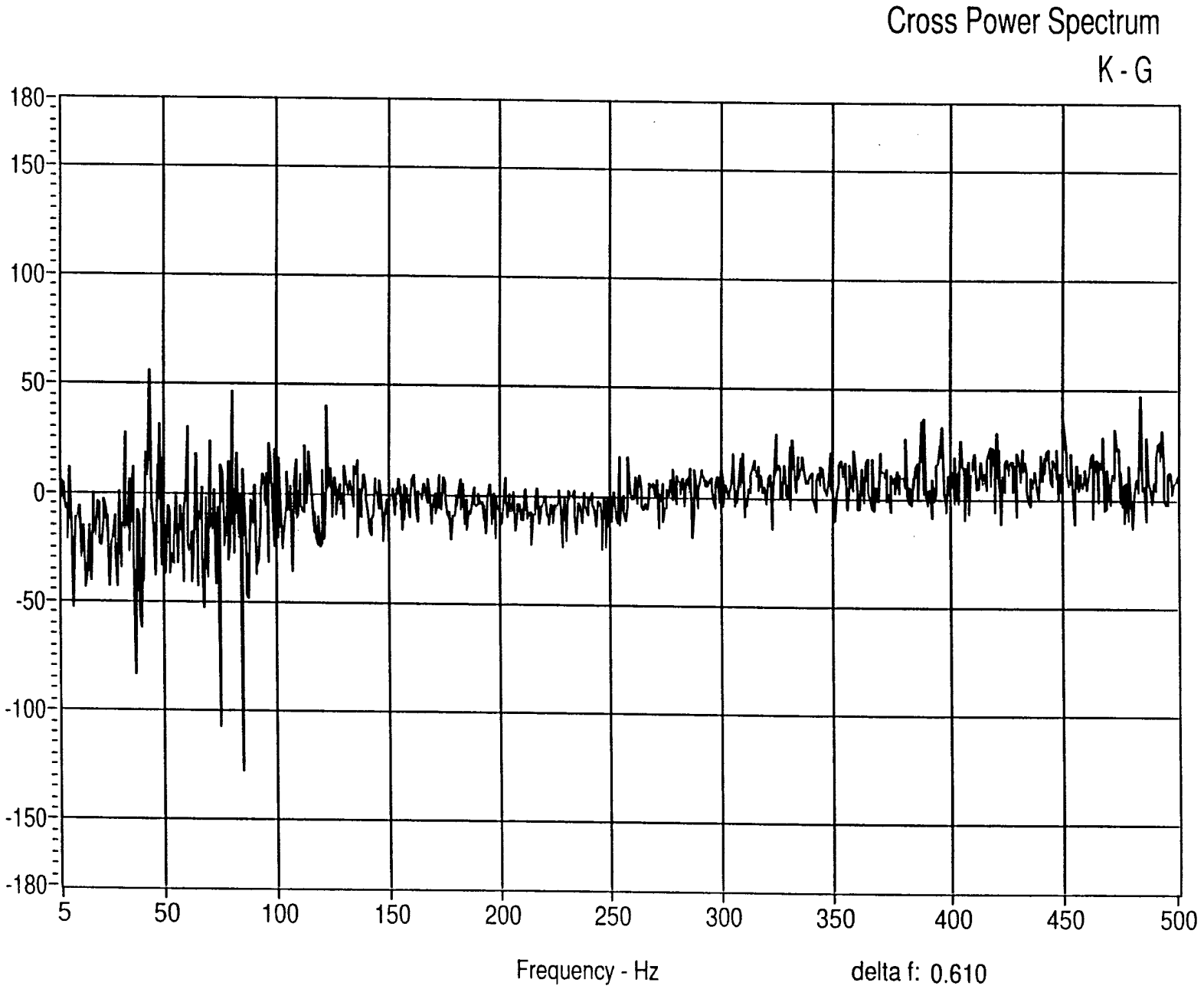


F-15 TPN_2924: alpha=20 beta=4 bp=0

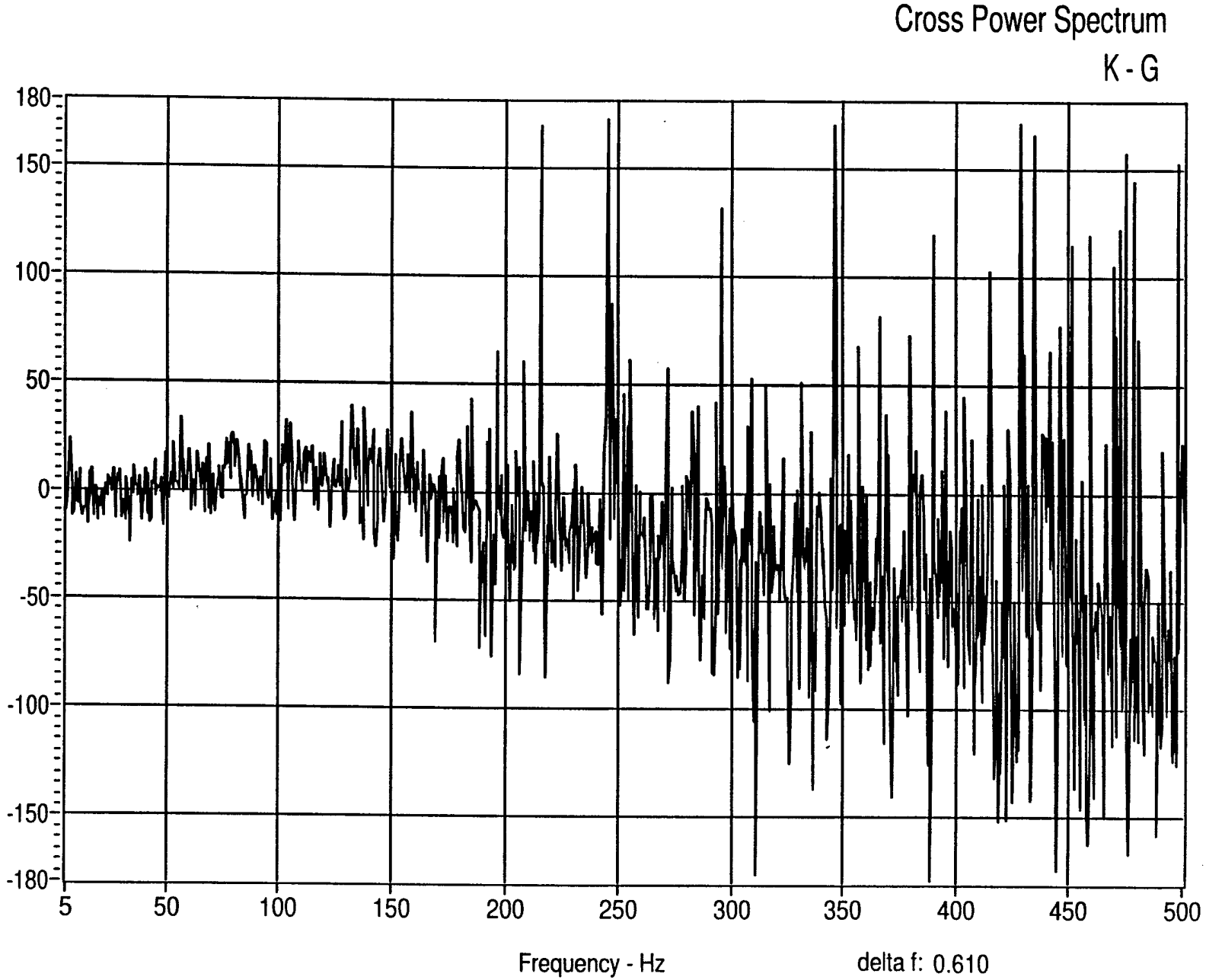


831

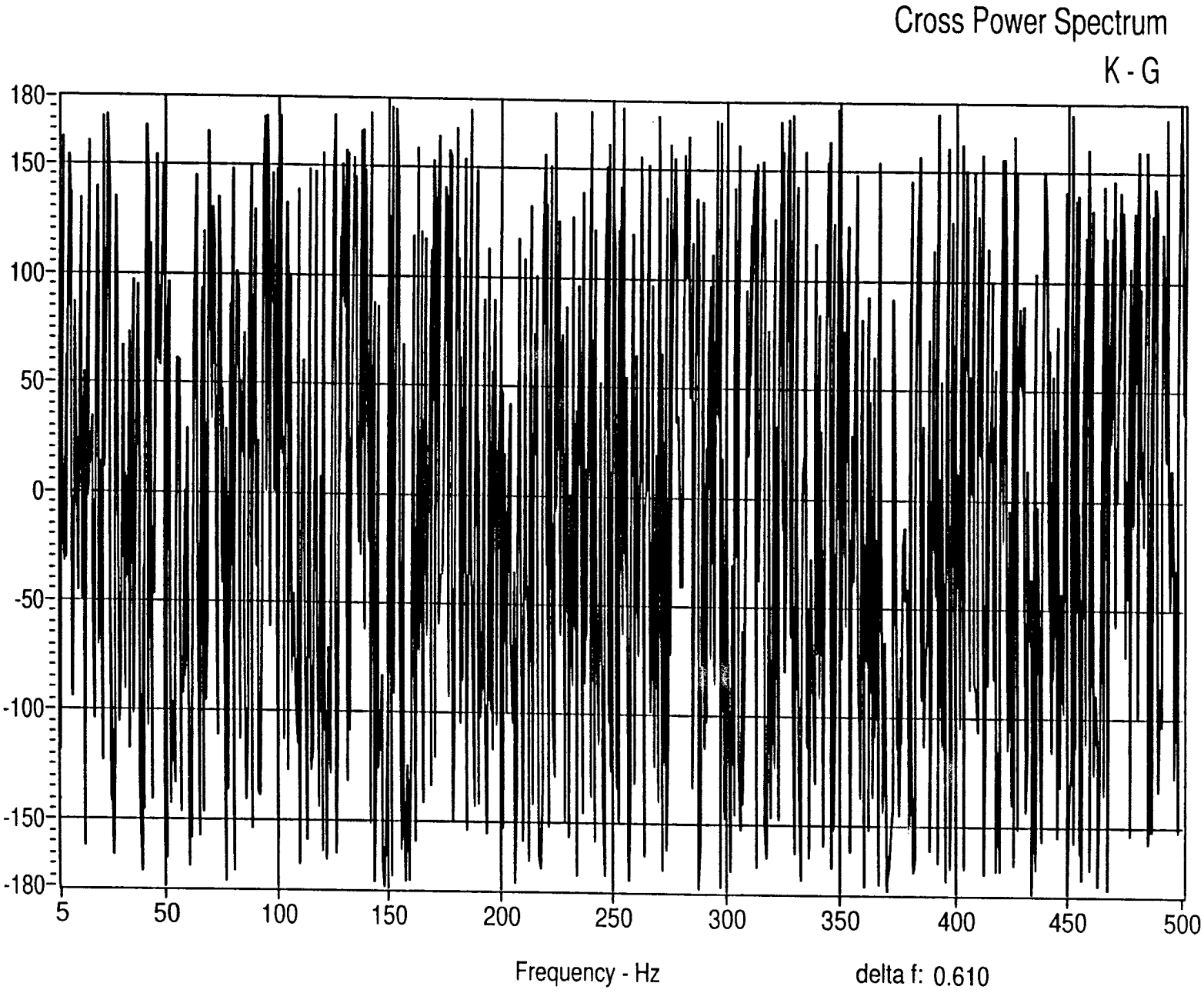
F-15 TPN_2926: alpha=24 beta=4 bp=0



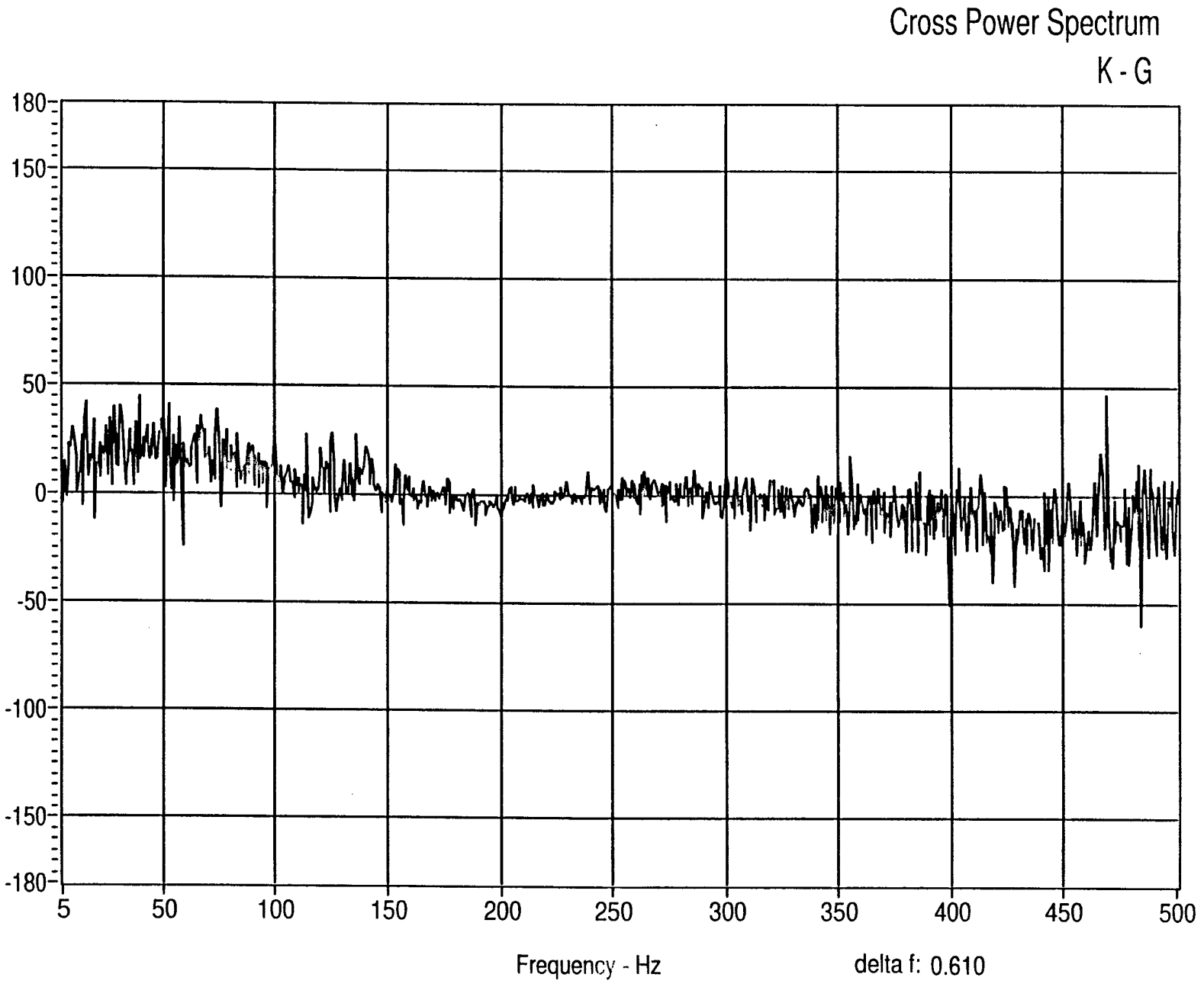
F-15 TPN_2928: alpha=32 beta=4 bp=0



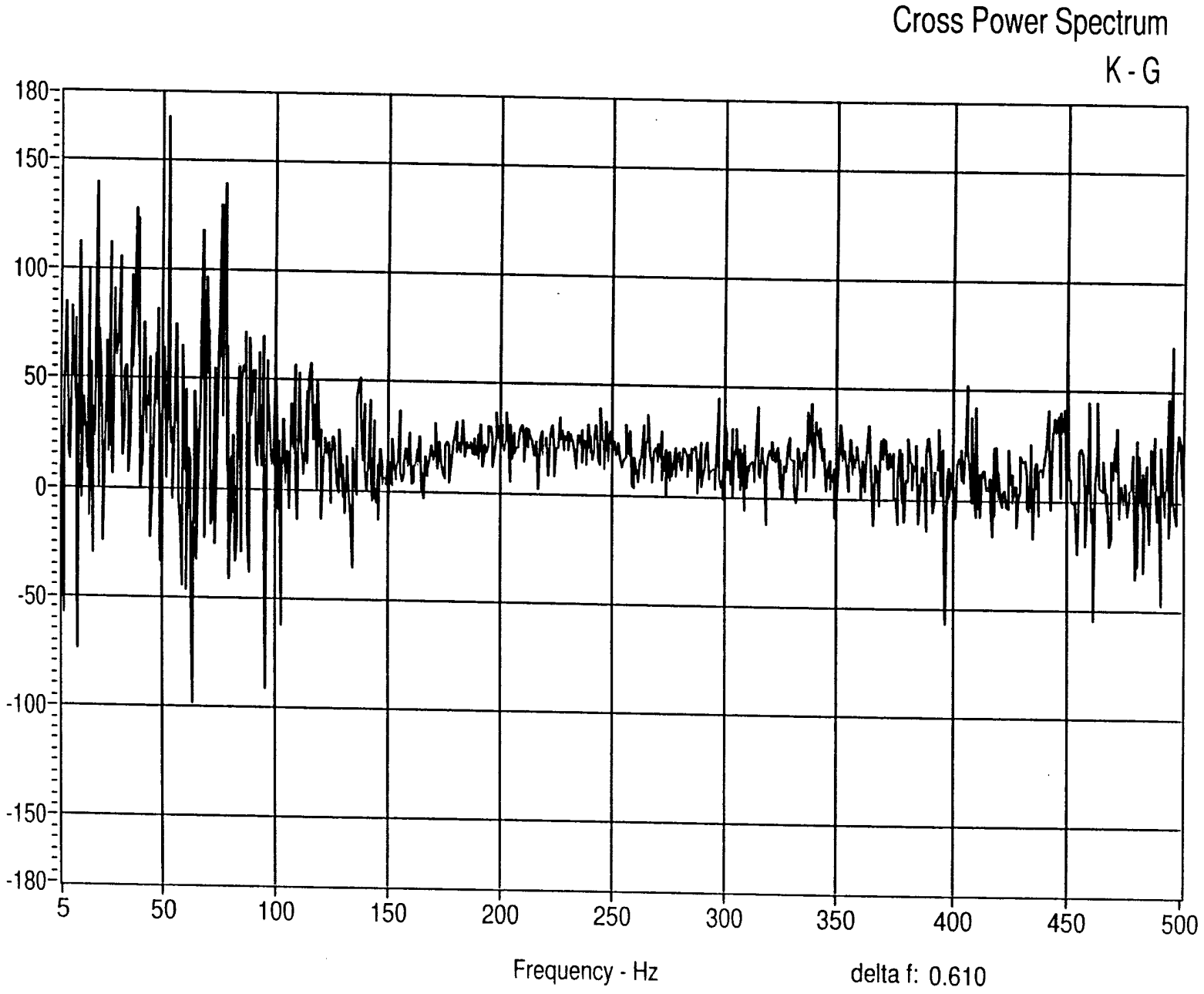
F-15 TPN_2844: alpha=8 beta=0 bp=0



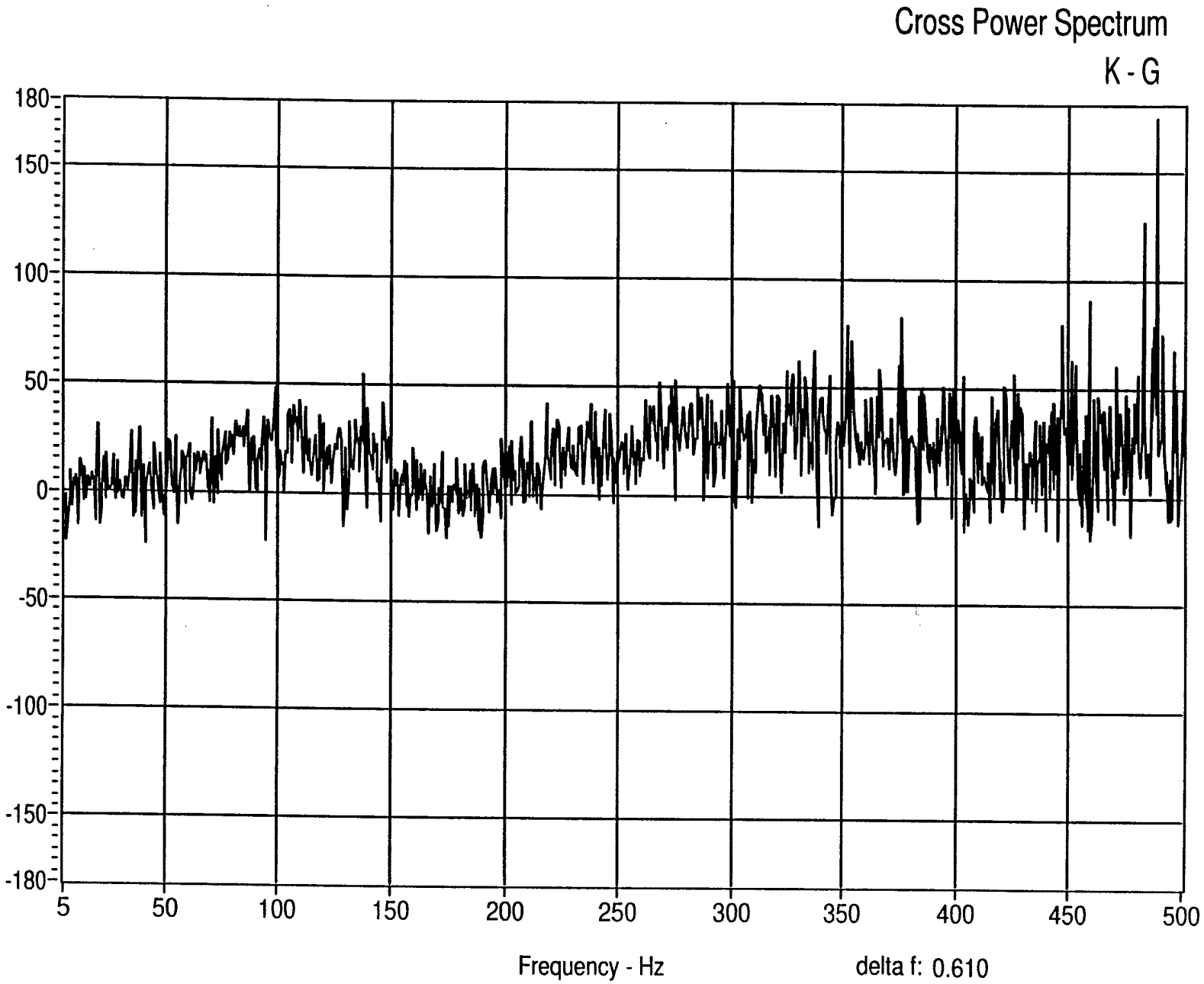
F-15 TPN_2850: alpha=20 beta=0 bp=0



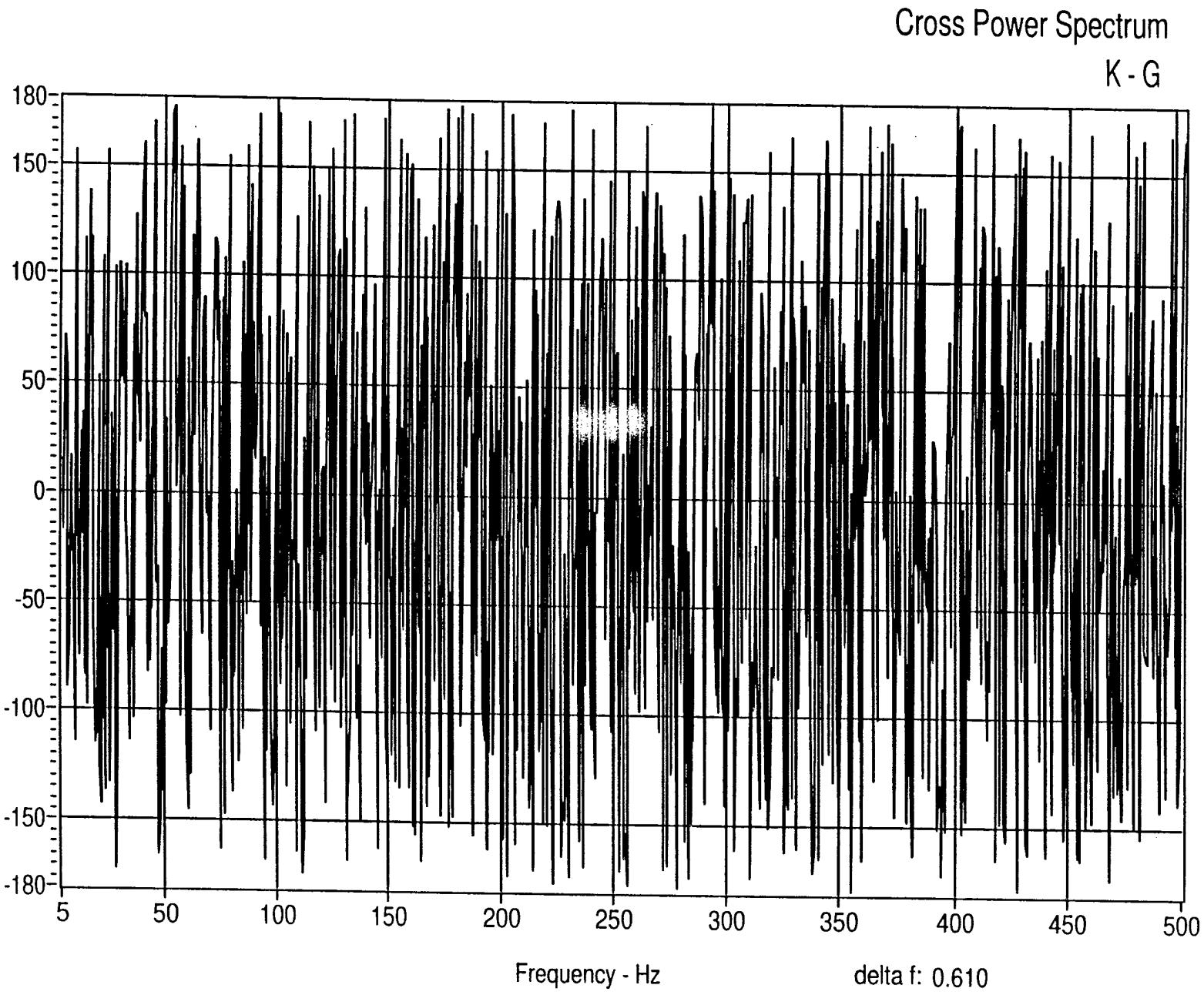
F-15 TPN_2852: alpha=24 beta=0 bp=0



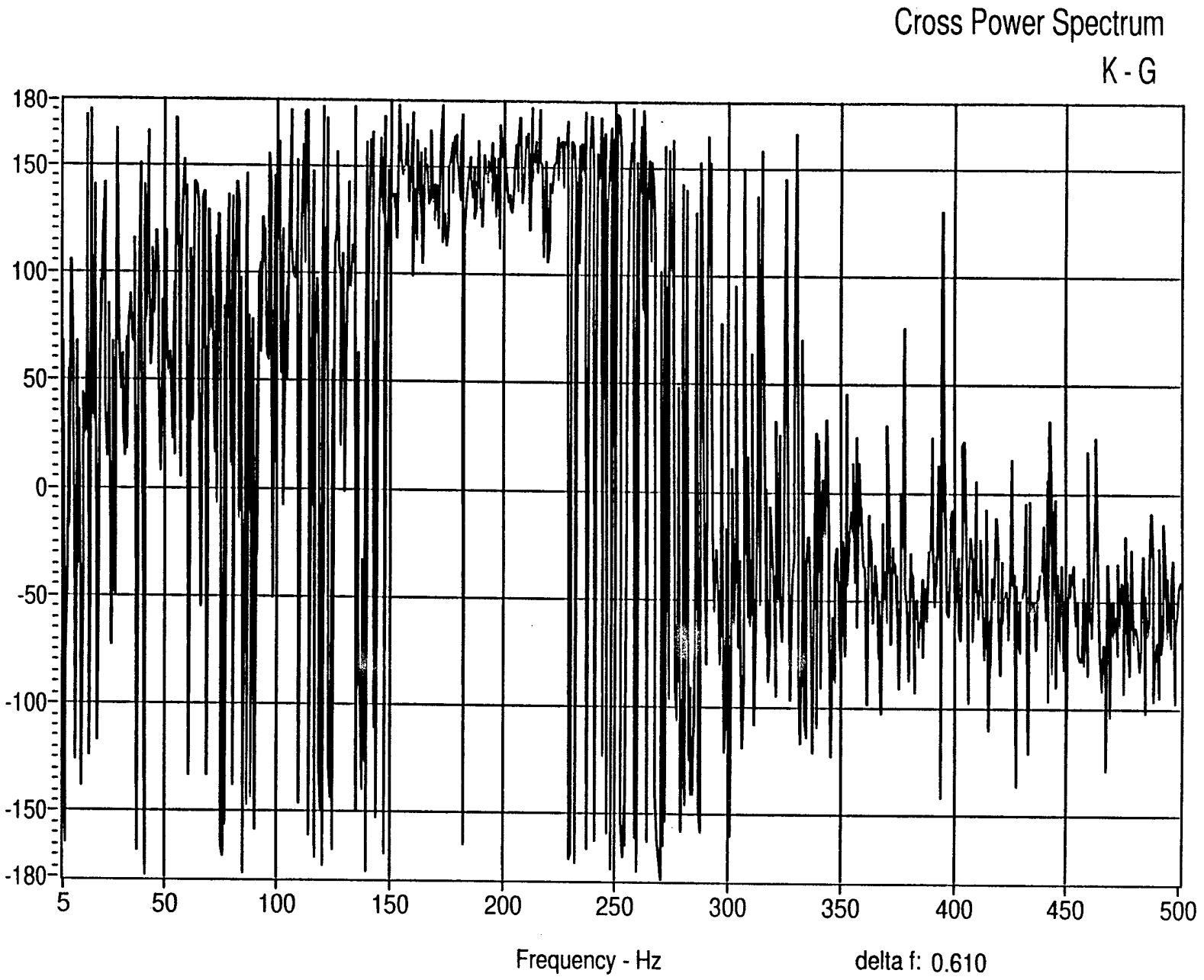
F-15 TPN_2854: alpha=32 beta=0 bp=0



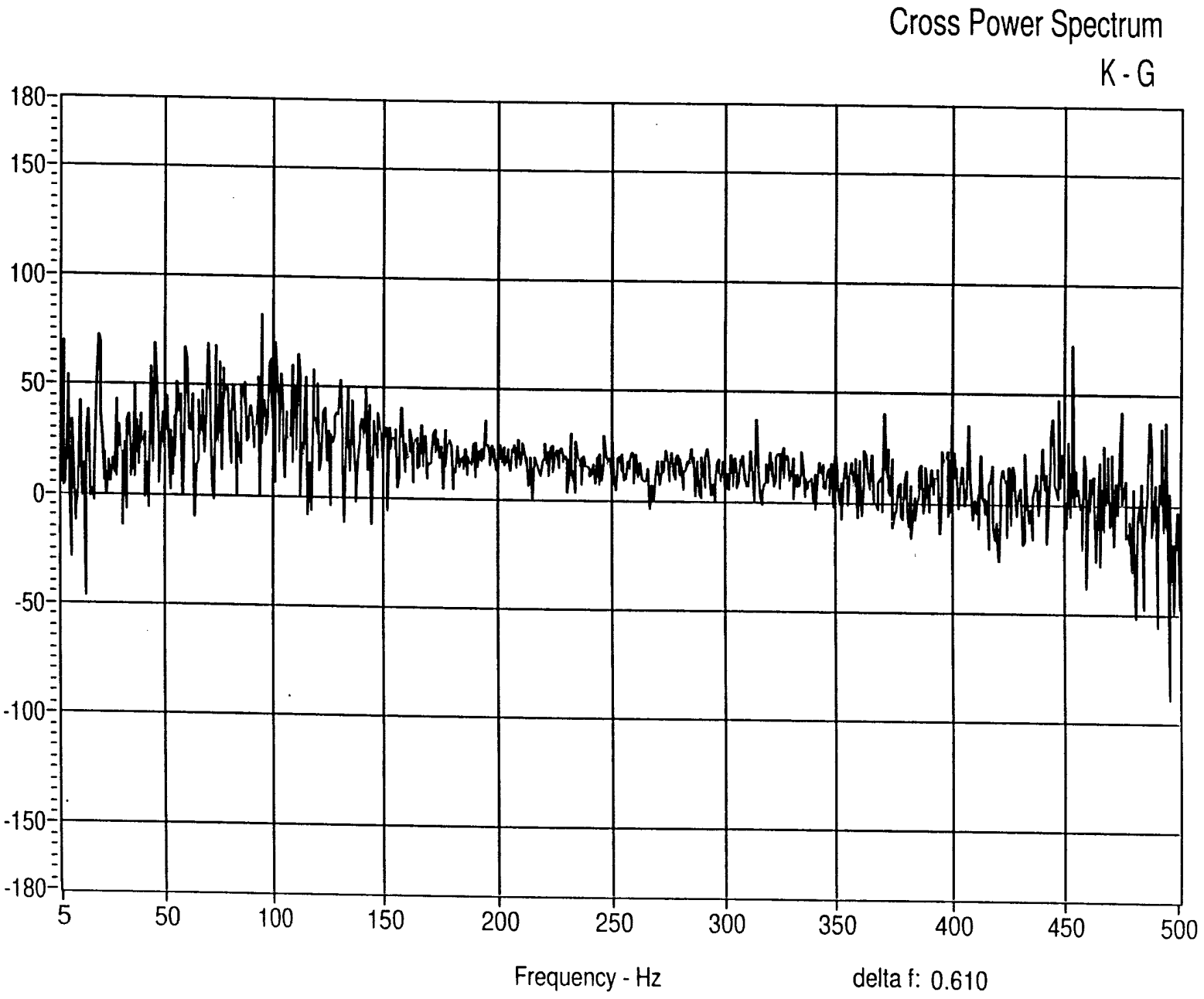
F-15 TPN_2864: alpha=8 beta=-4 bp=0



F-15 TPN_2870: alpha=20 beta=-4 bp=0

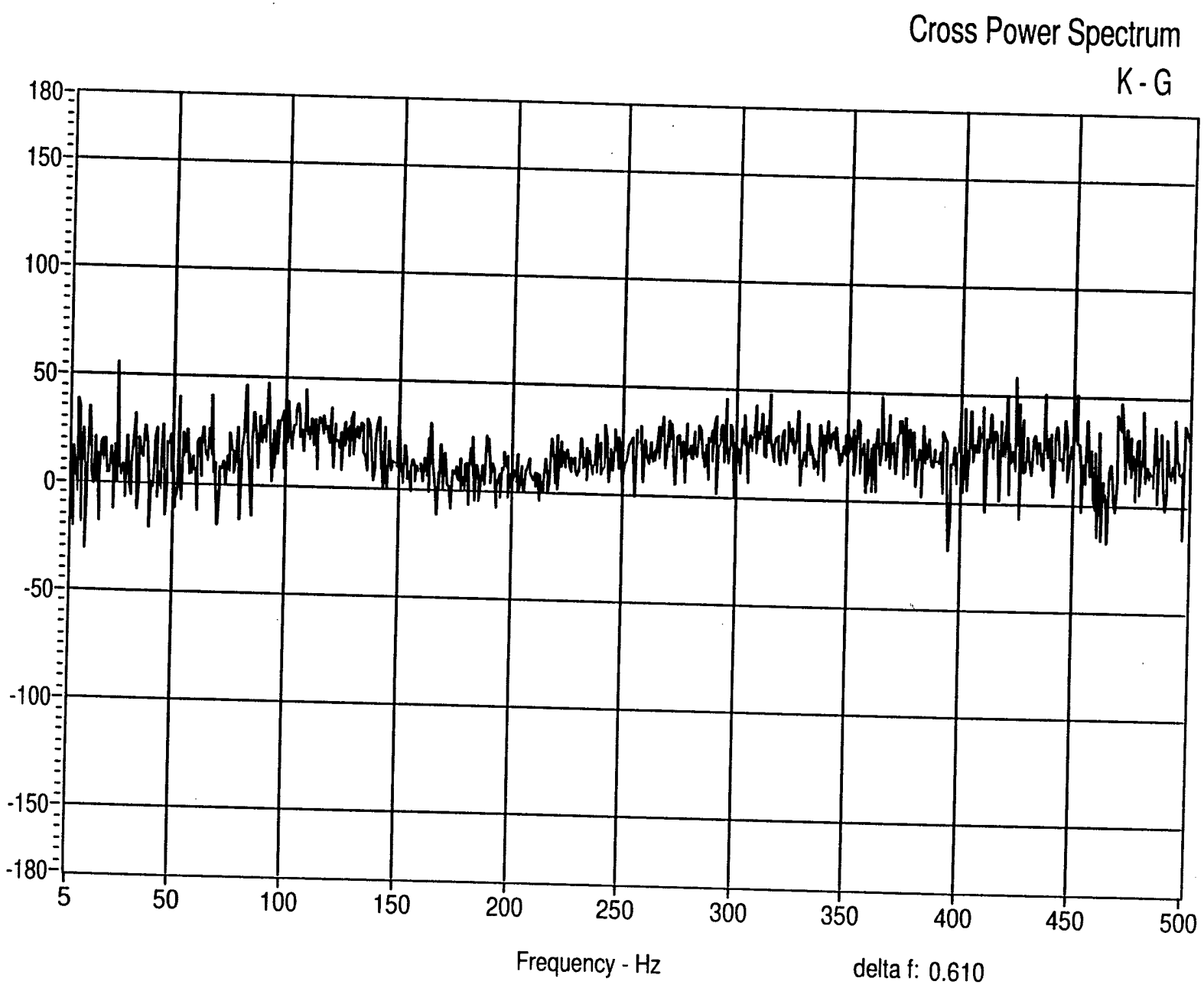


F-15 TPN_2872: alpha=24 beta=-4 bp=0

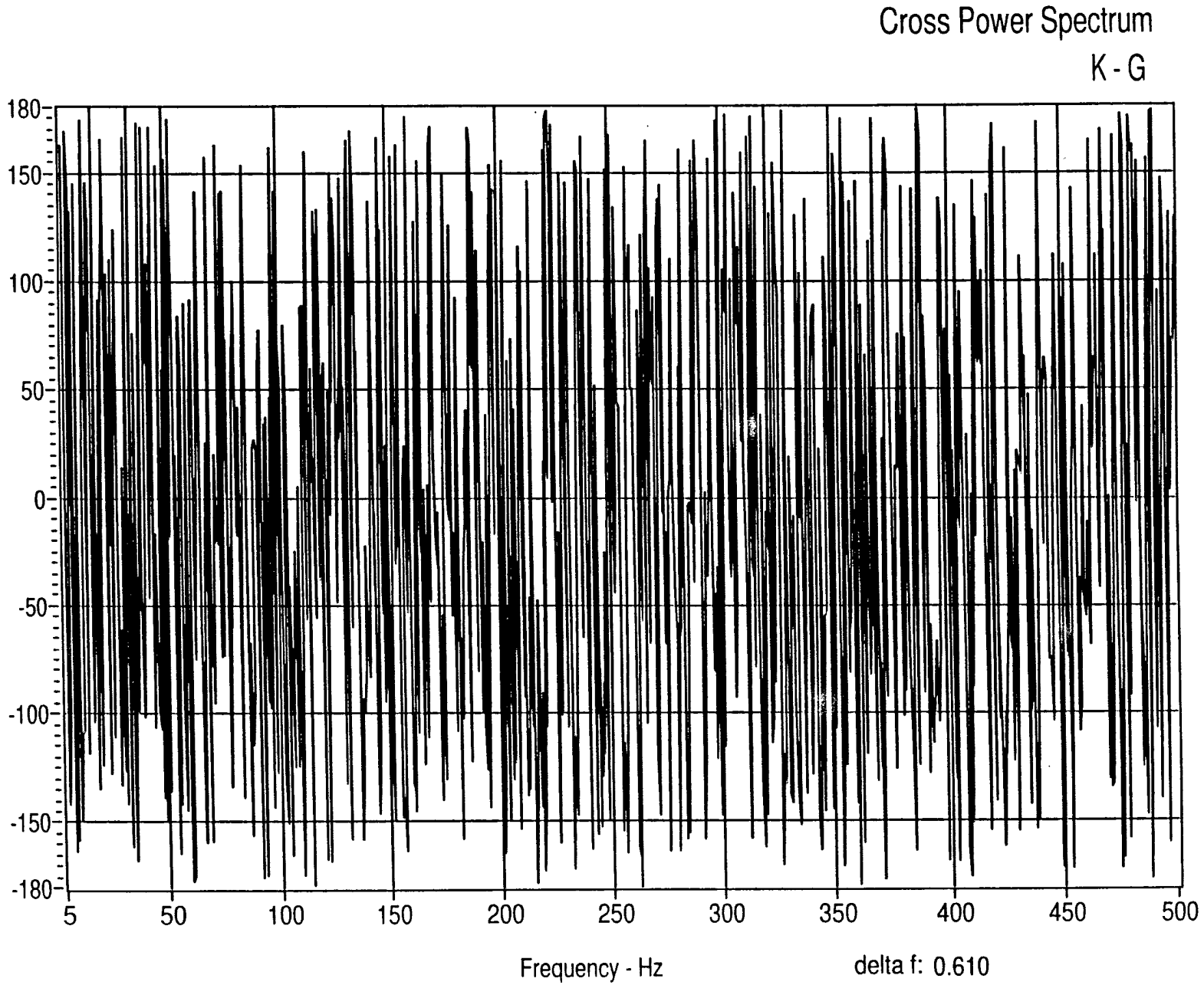


840

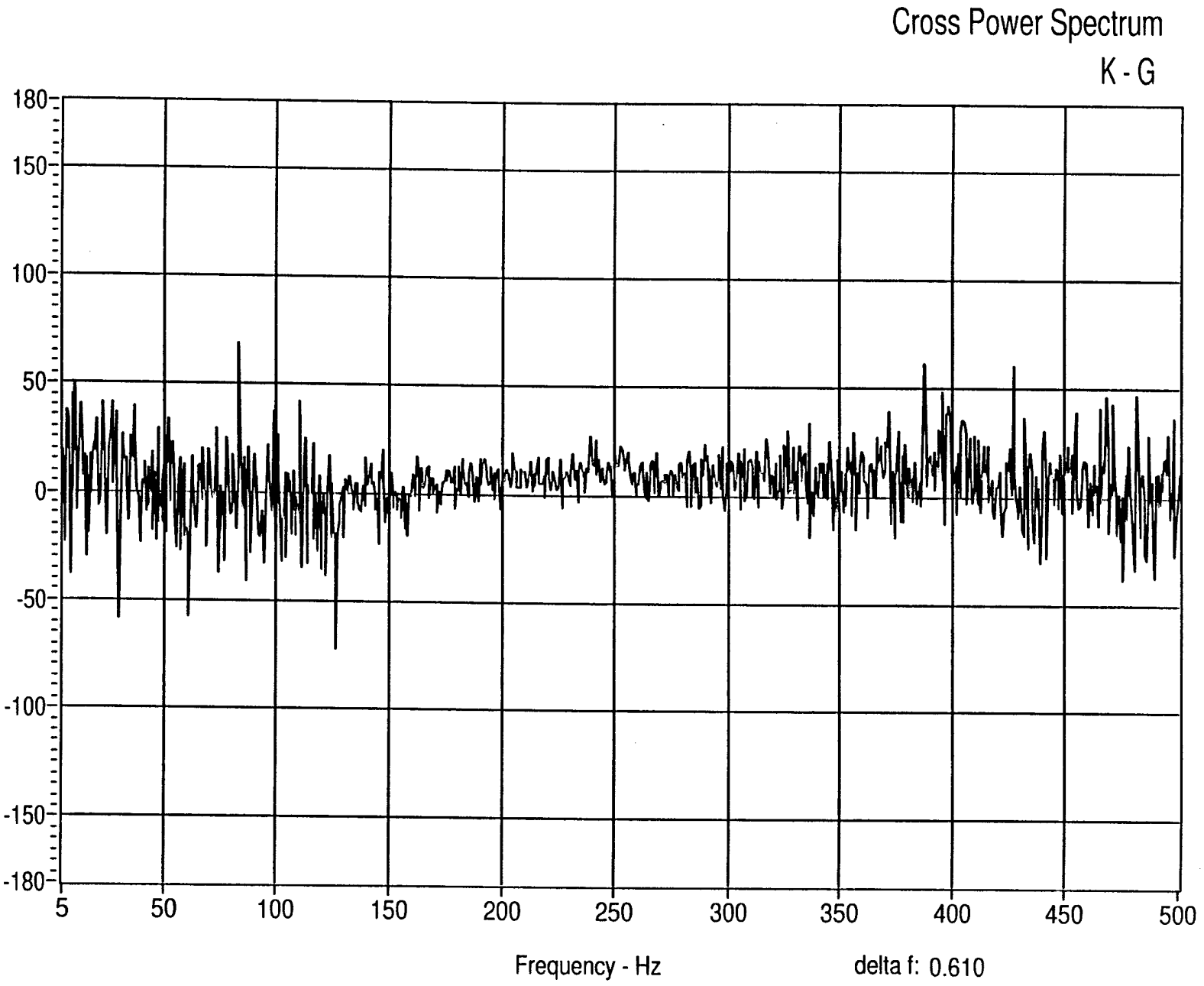
F-15 TPN_2874: alpha=32 beta=-4 bp=0



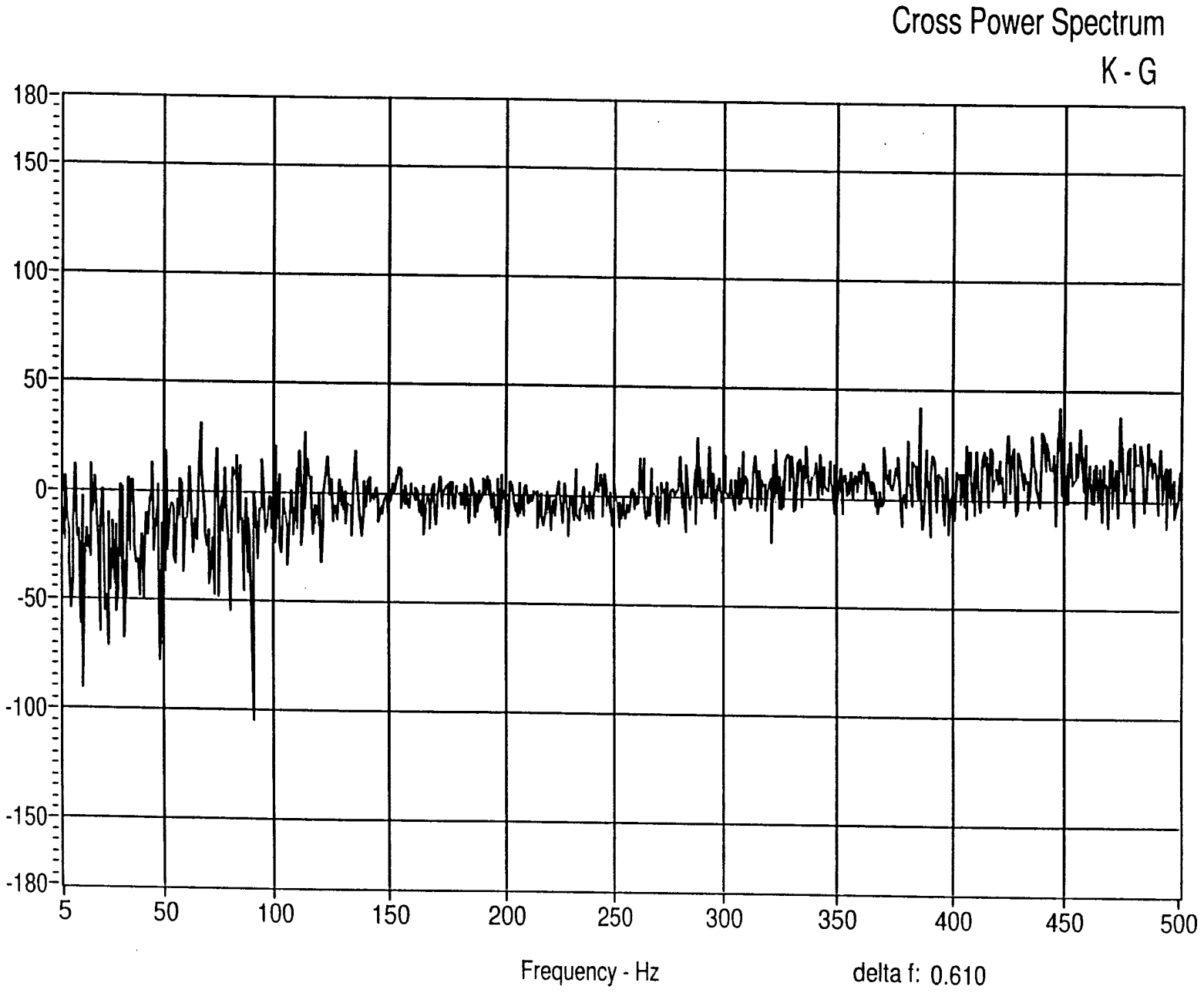
F-15 TPN_3351: alpha=8 beta=4 bp=45



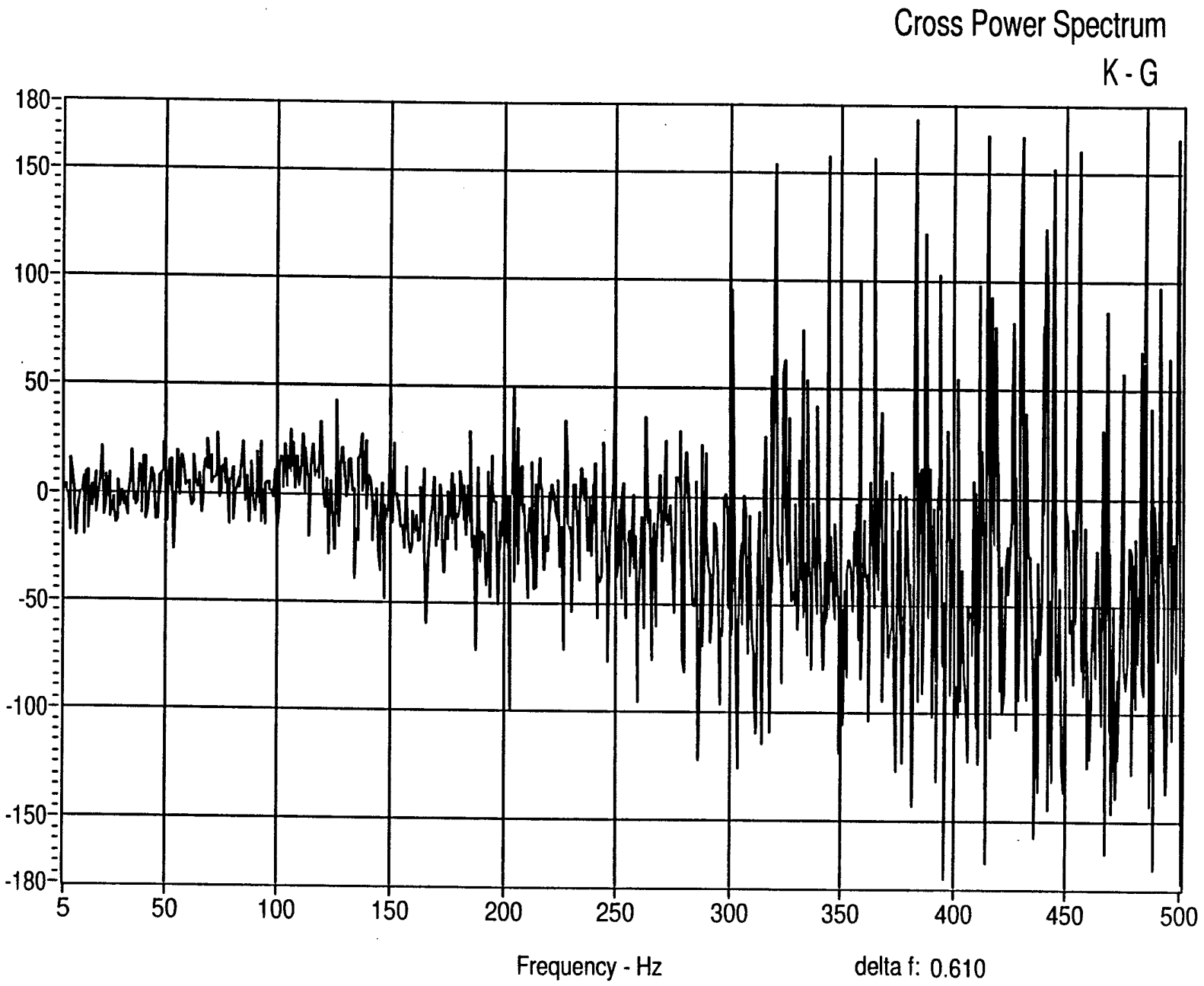
F-15 TPN_3357: alpha=20 beta=4 bp=45



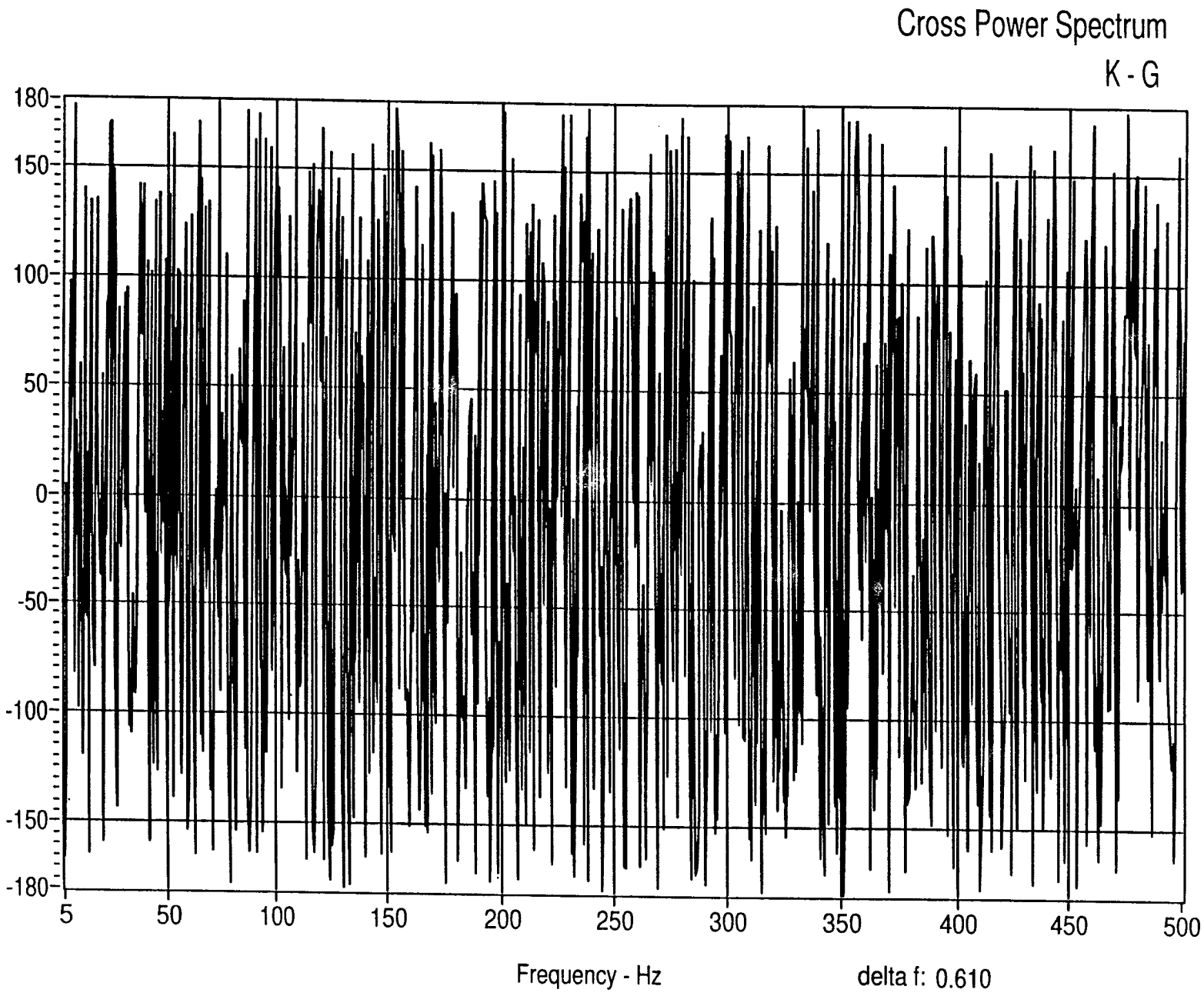
F-15 TPN_3359: alpha=24 beta=4 bp=45



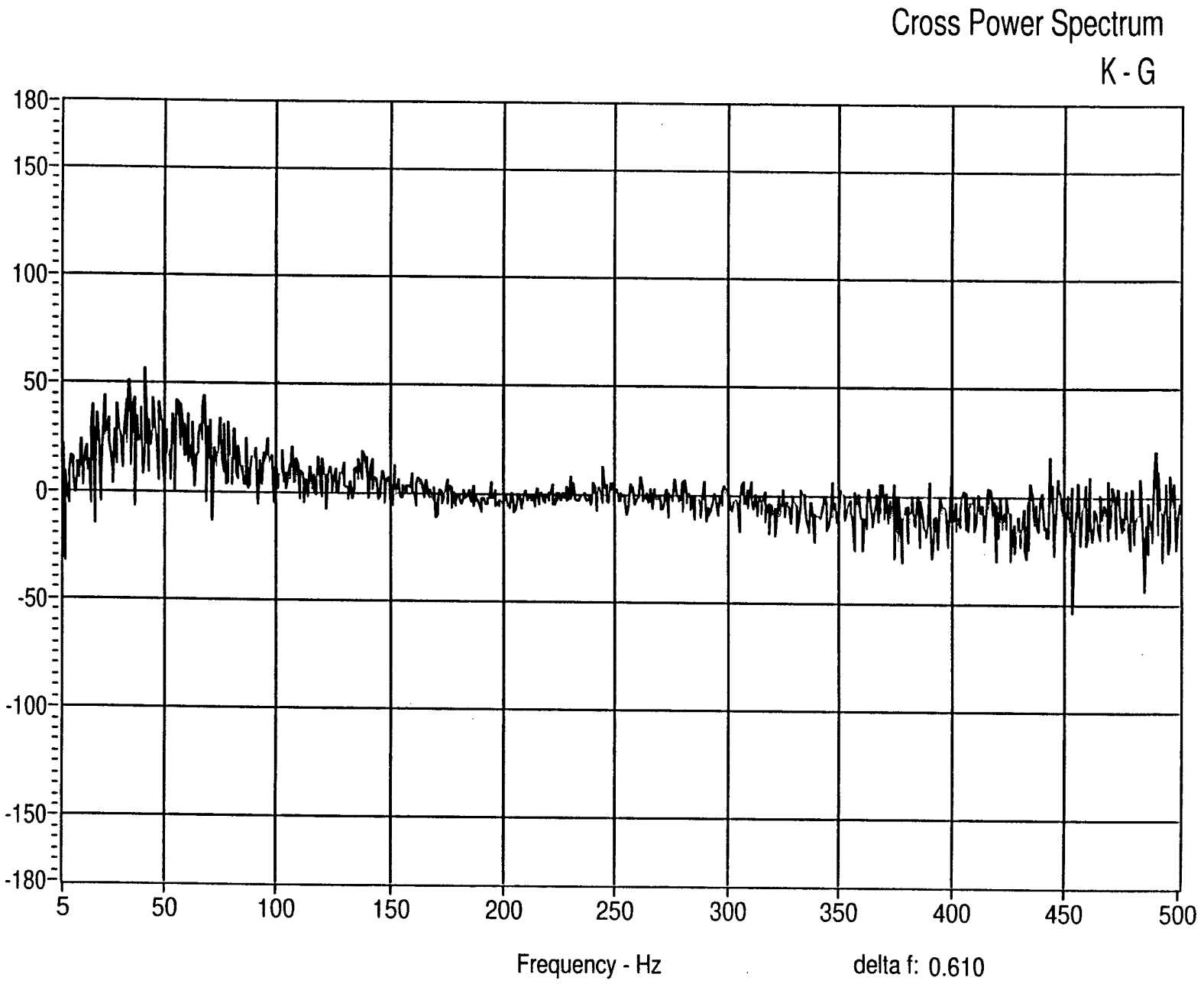
F-15 TPN_3361: alpha=32 beta=4 bp=45



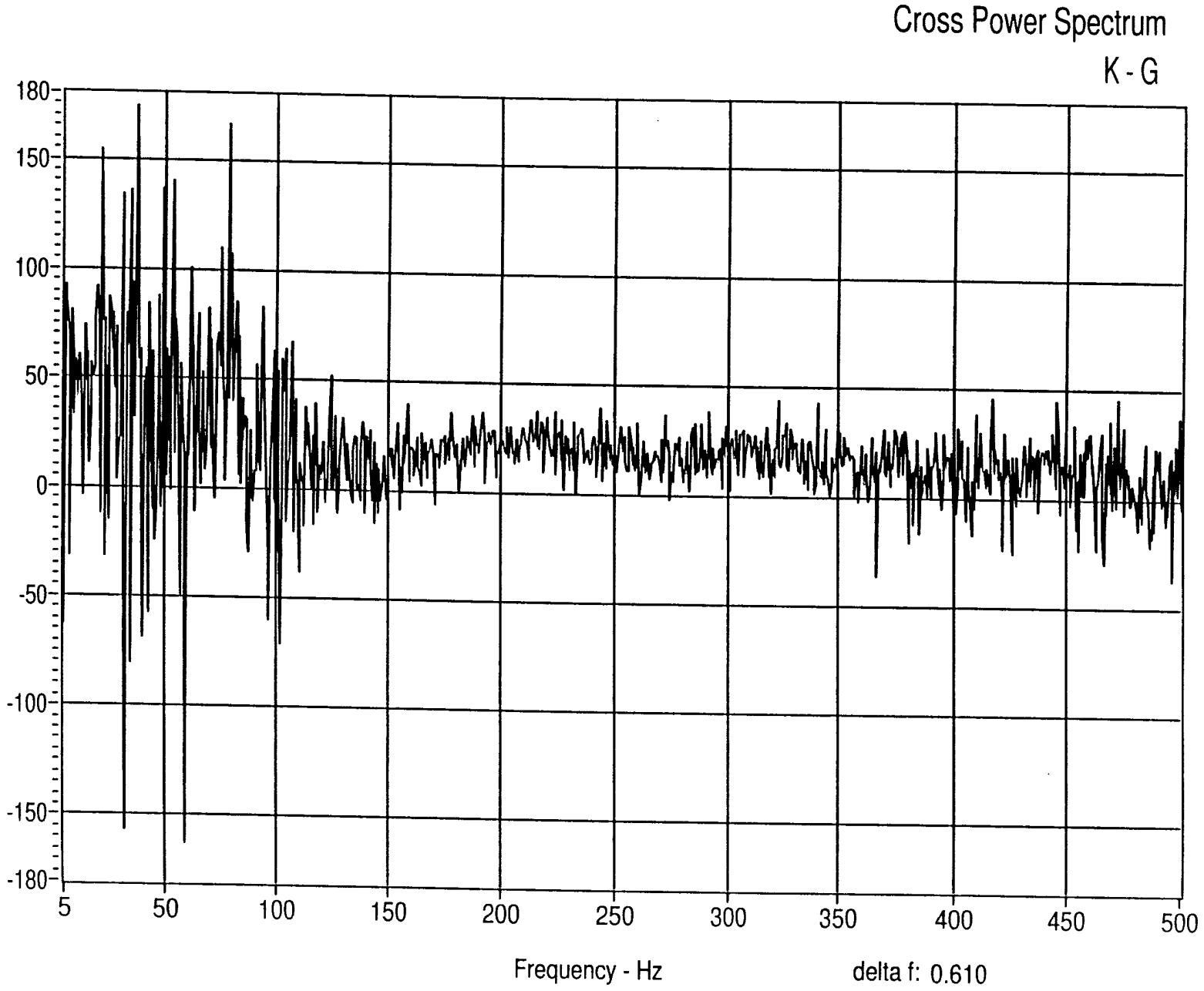
F-15 TPN_3333: alpha=8 beta=0 bp=45



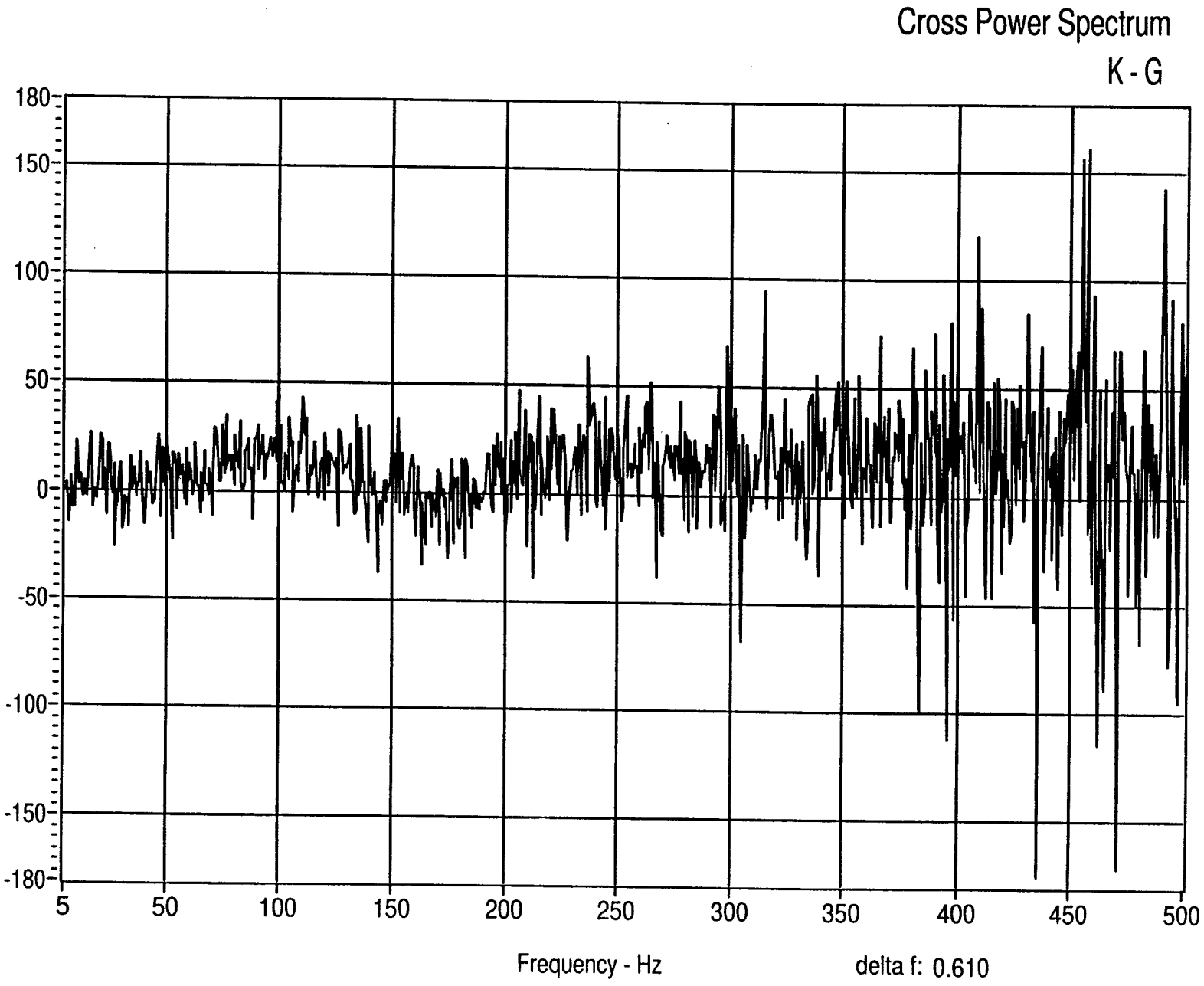
F-15 TPN_3339: alpha=20 beta=0 bp=45



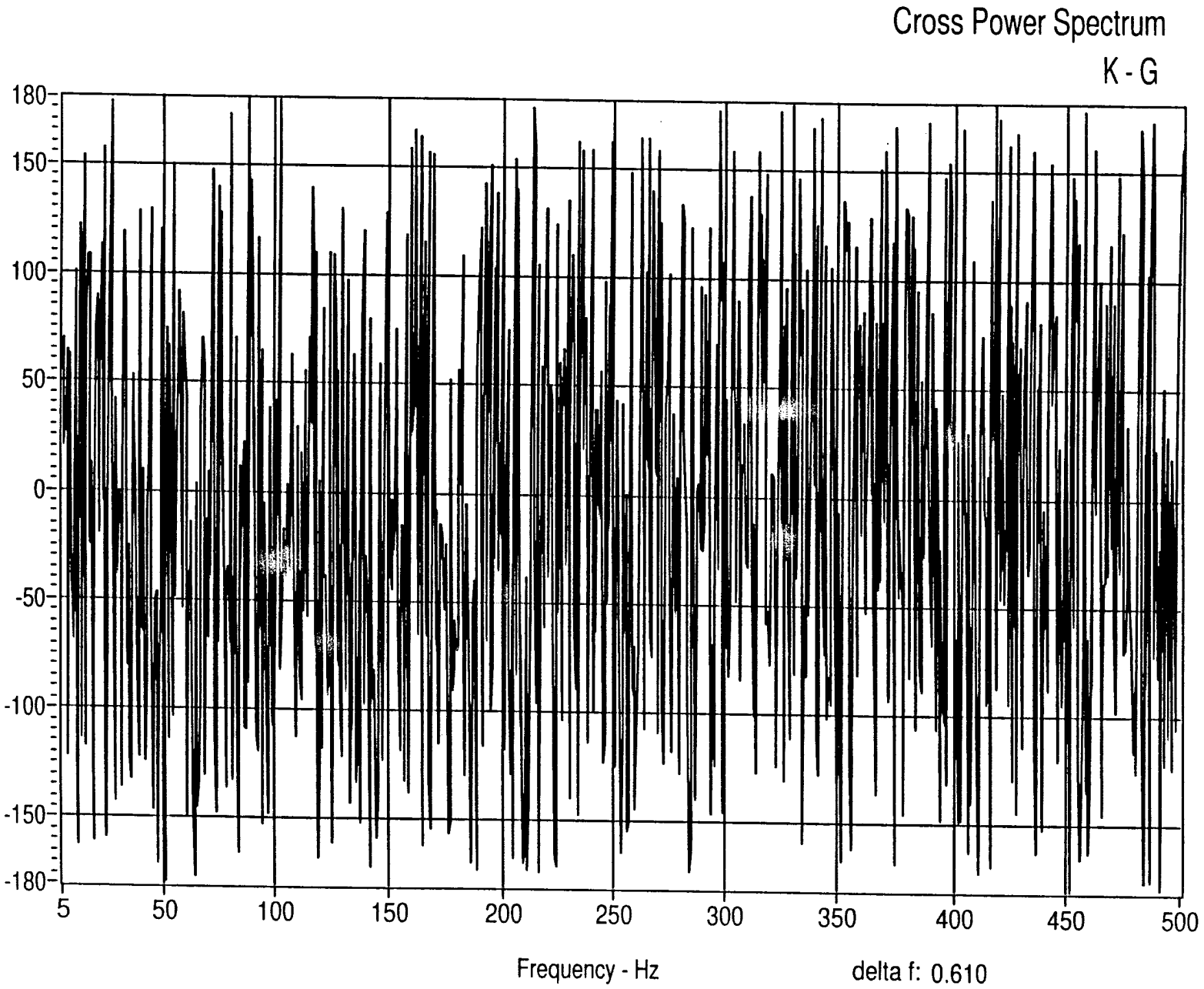
F-15 TPN_3341: alpha=24 beta=0 bp=45



F-15 TPN_3343: alpha=32 beta=0 bp=45

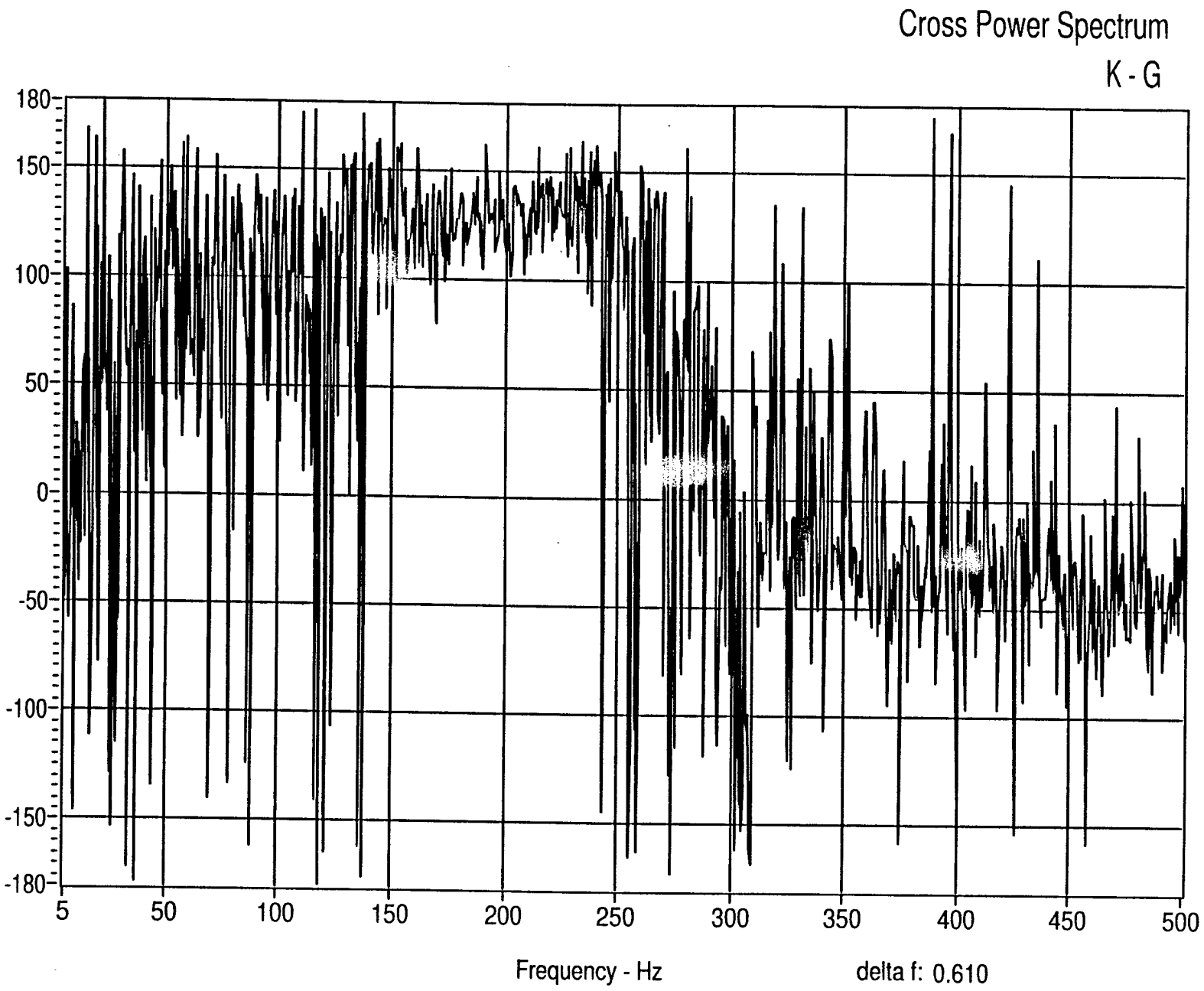


F-15 TPN_3369: alpha=8 beta=-4 bp=45

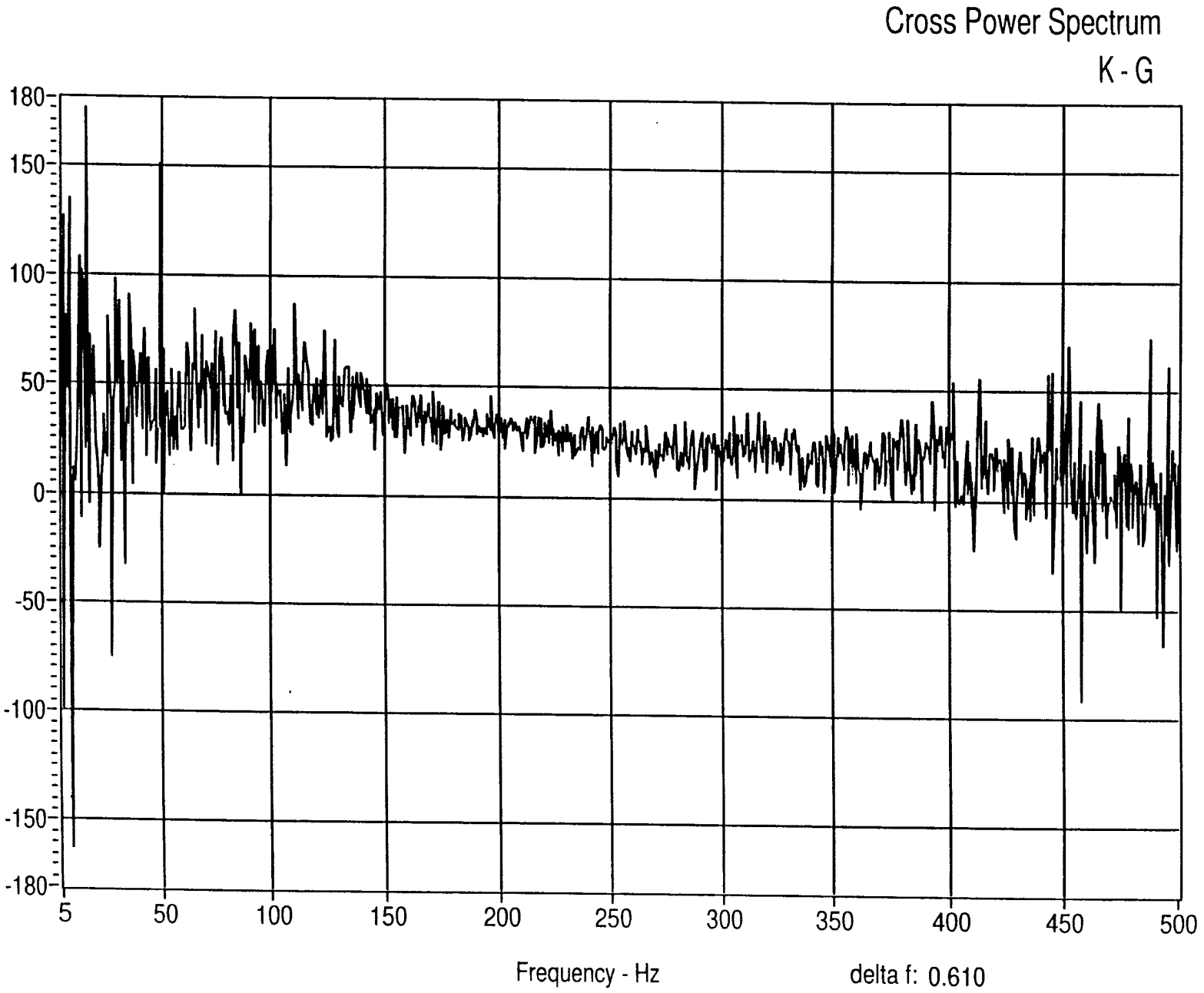


850

F-15 TPN_3375: alpha=20 beta=-4 bp=45

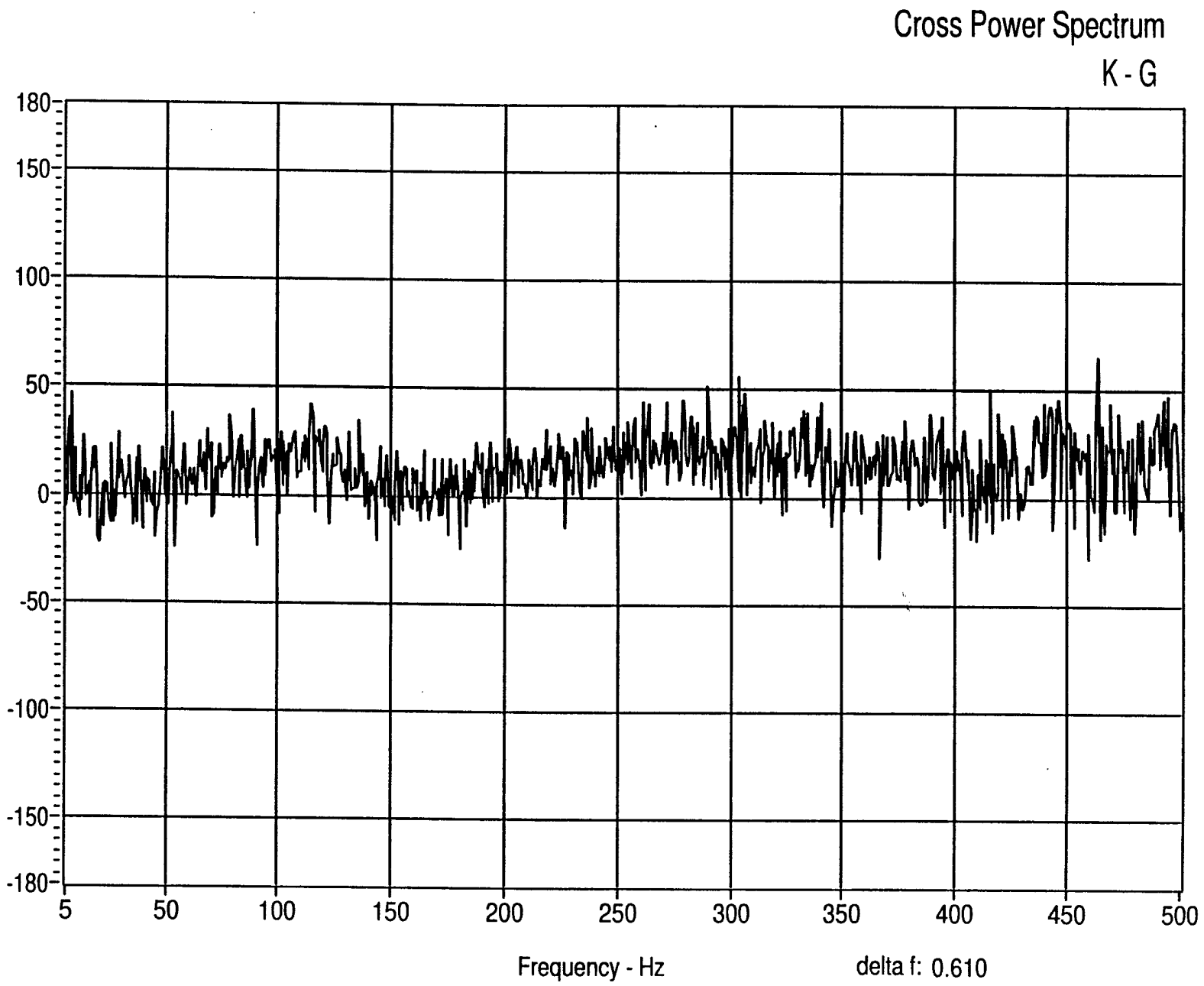


F-15 TPN_3377: alpha=24 beta=-4 bp=45

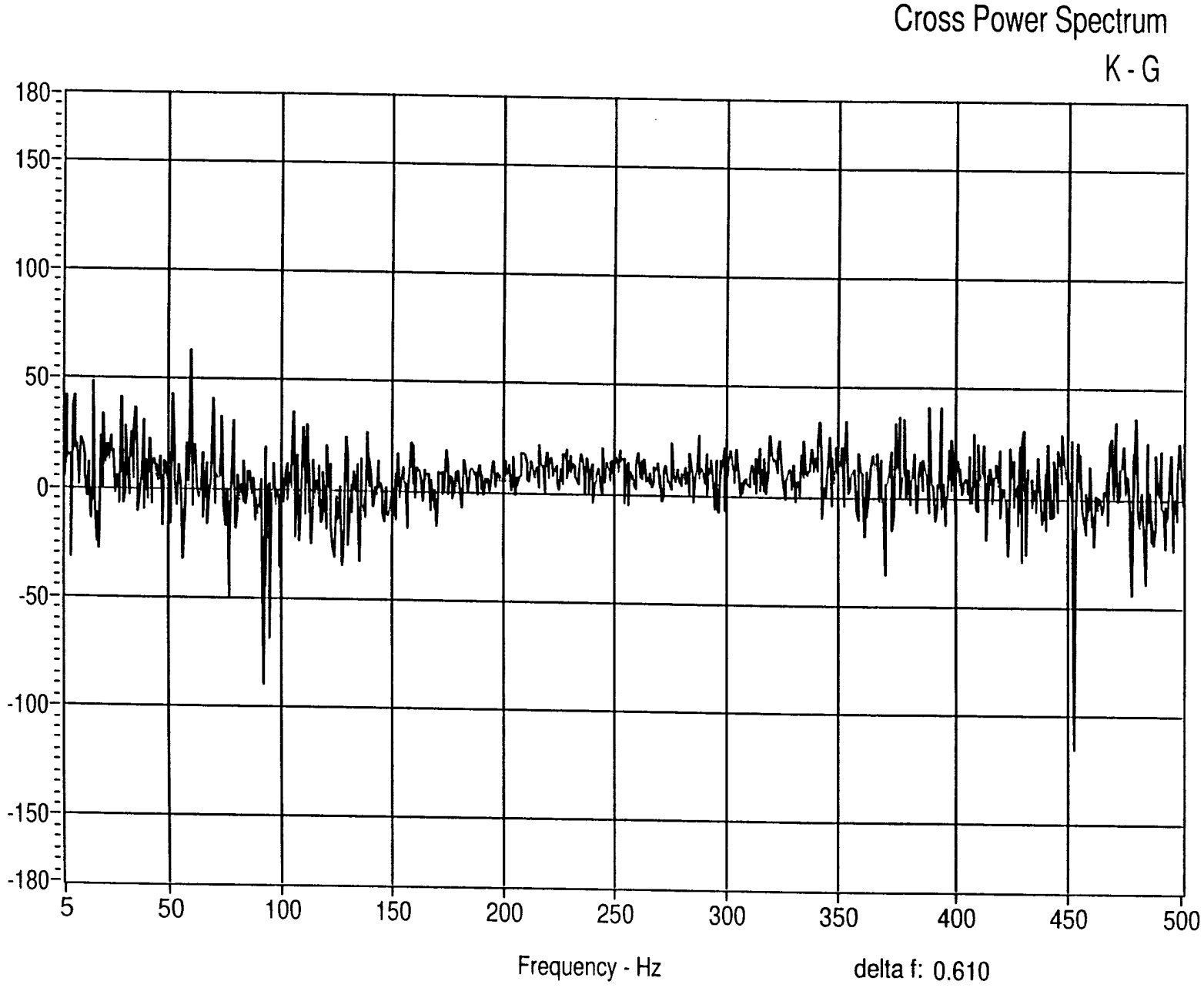


852

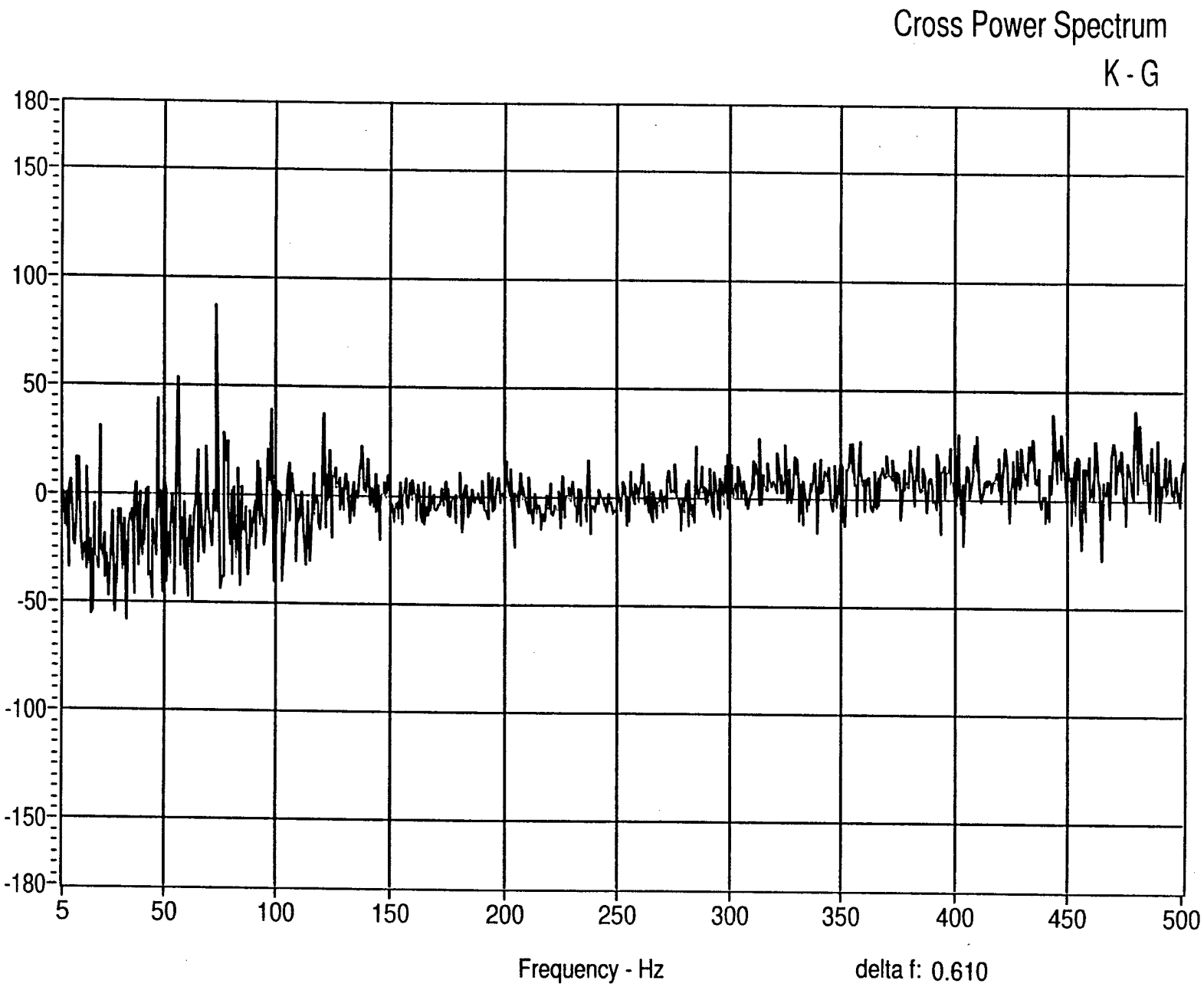
F-15 TPN_3379: alpha=32 beta=-4 bp=45



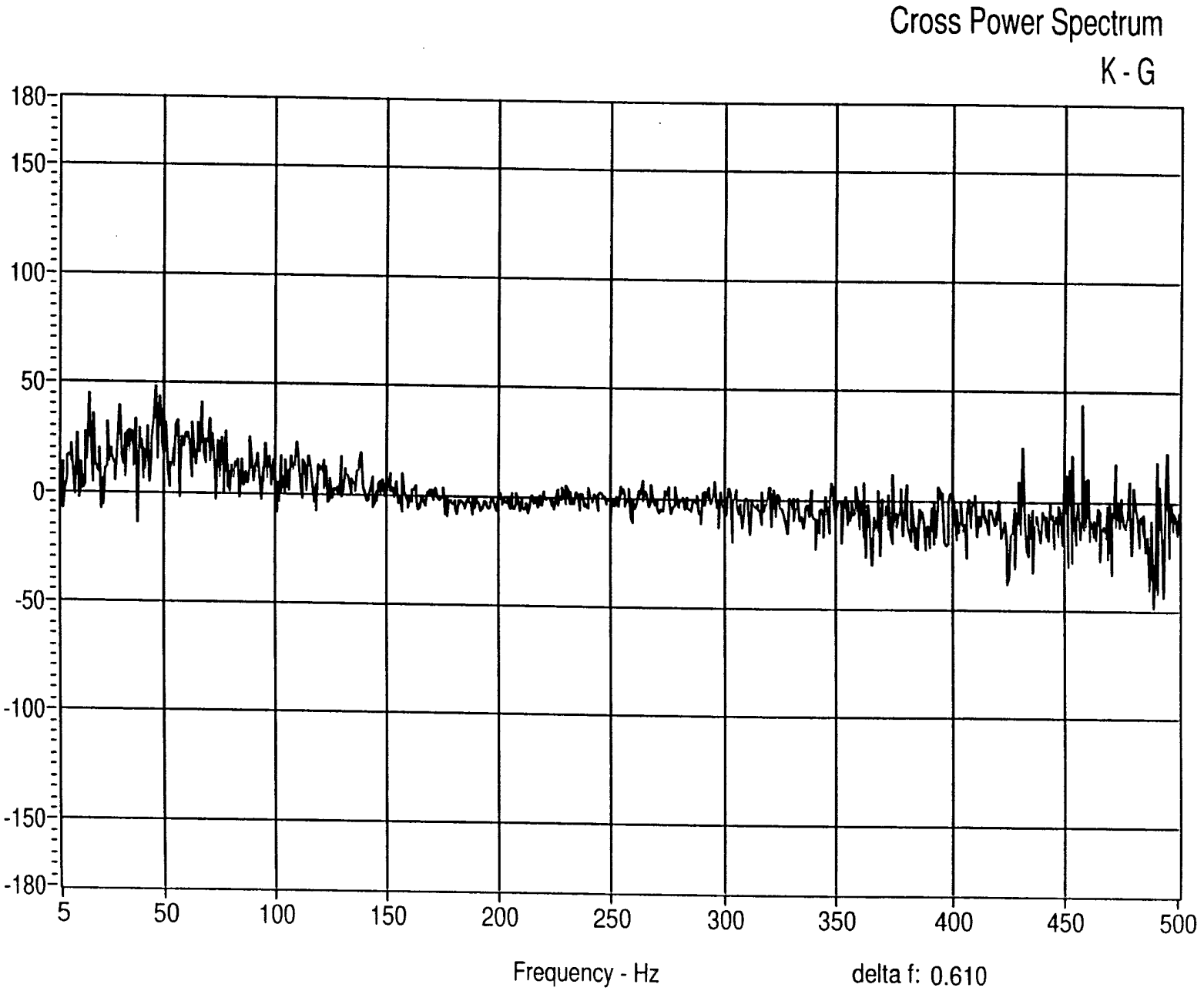
F-15 TPN_3046: alpha=20 beta=4 bp=65



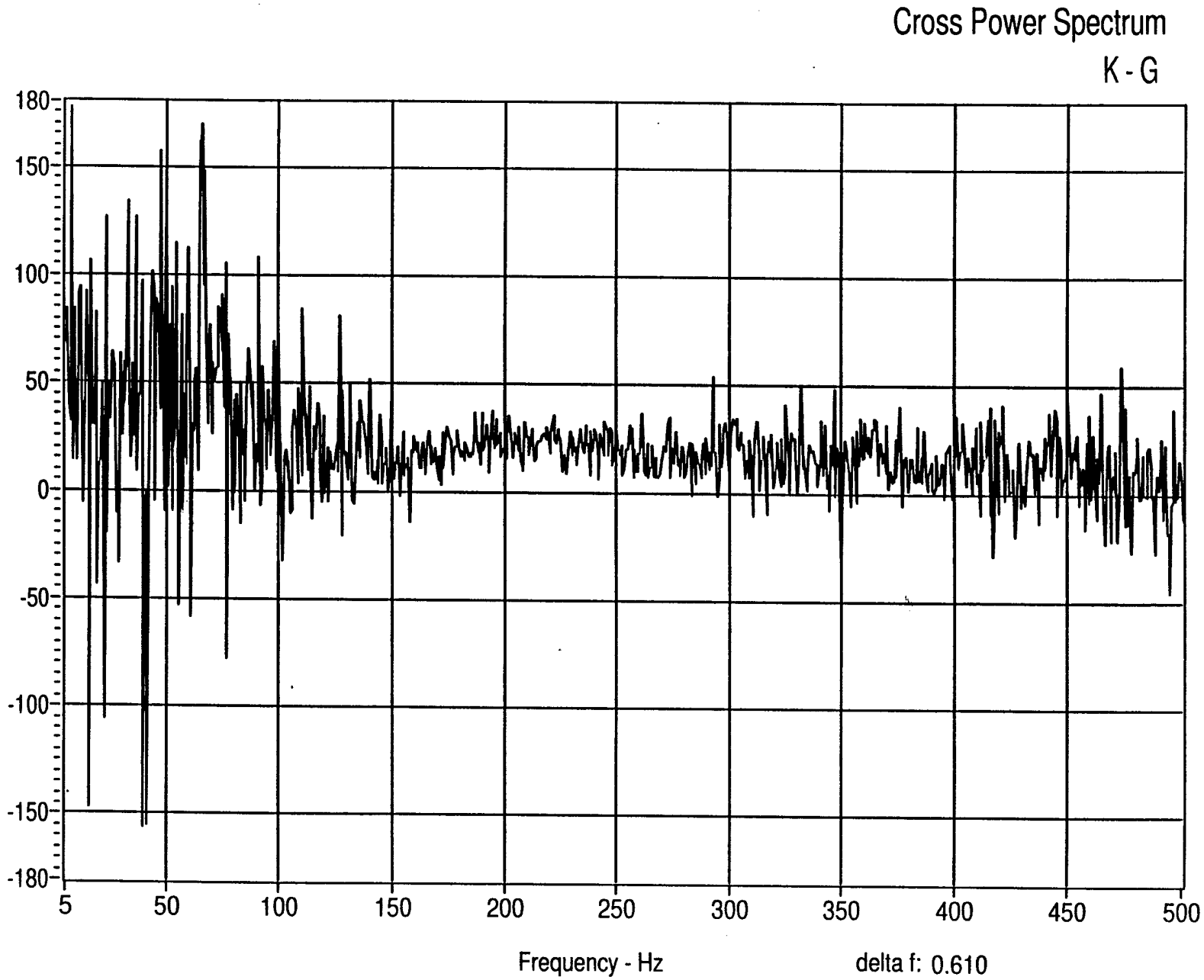
F-15 TPN_3048: alpha=24 beta=4 bp=65



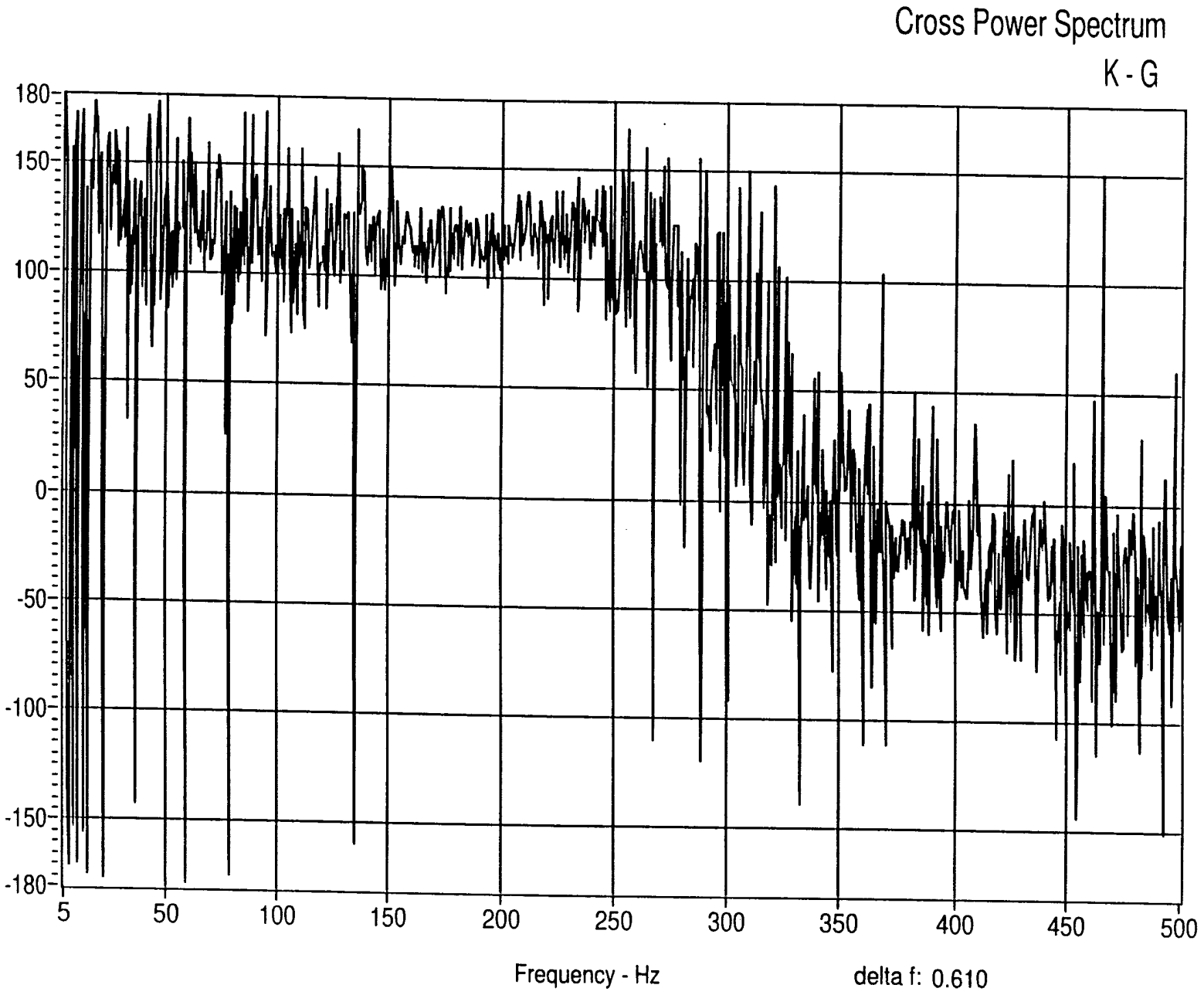
F-15 TPN_3040: alpha=20 beta=0 bp=65



F-15 TPN_3042: alpha=24 beta=0 bp=65

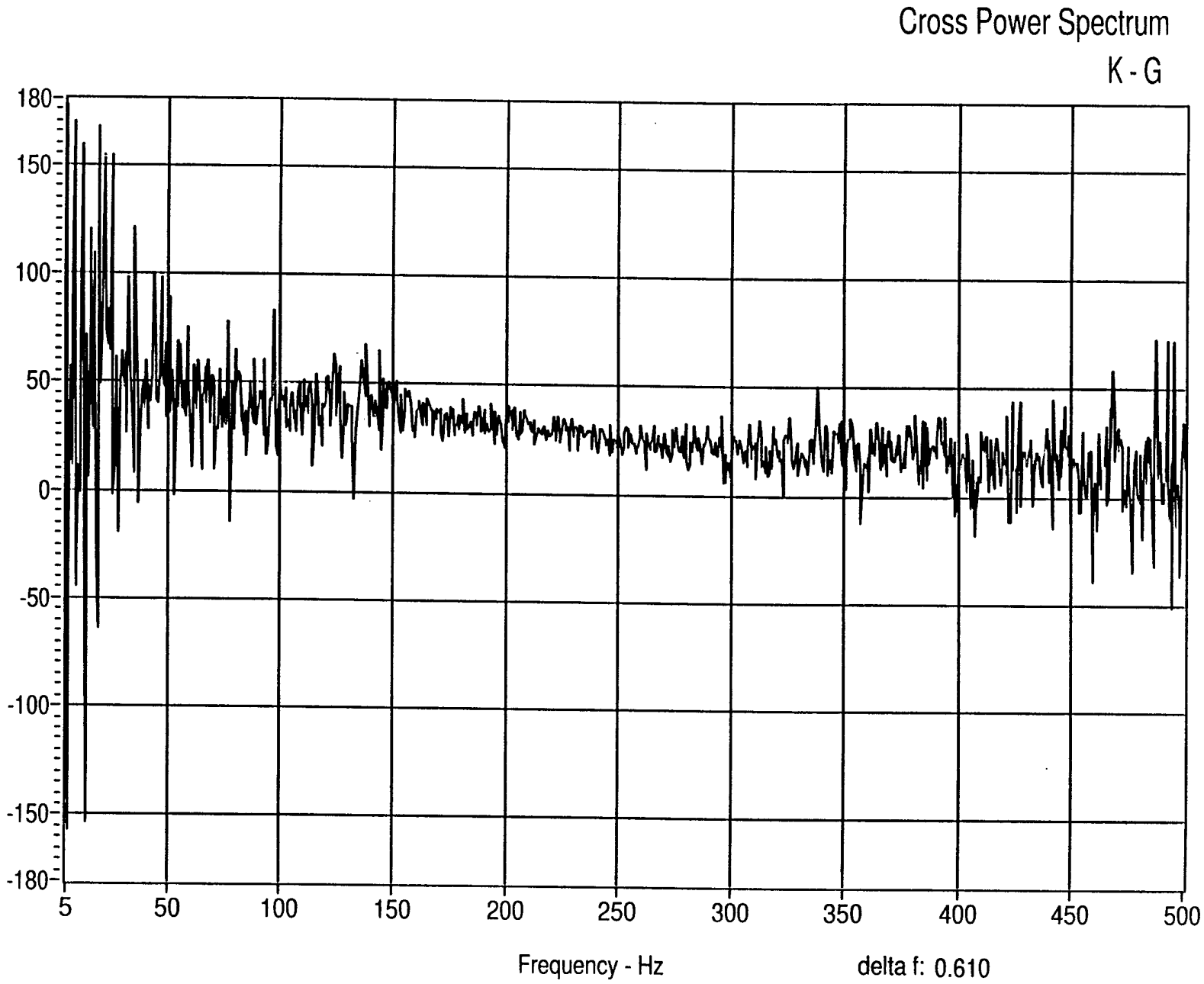


F-15 TPN_3034: alpha=20 beta=-4 bp=65

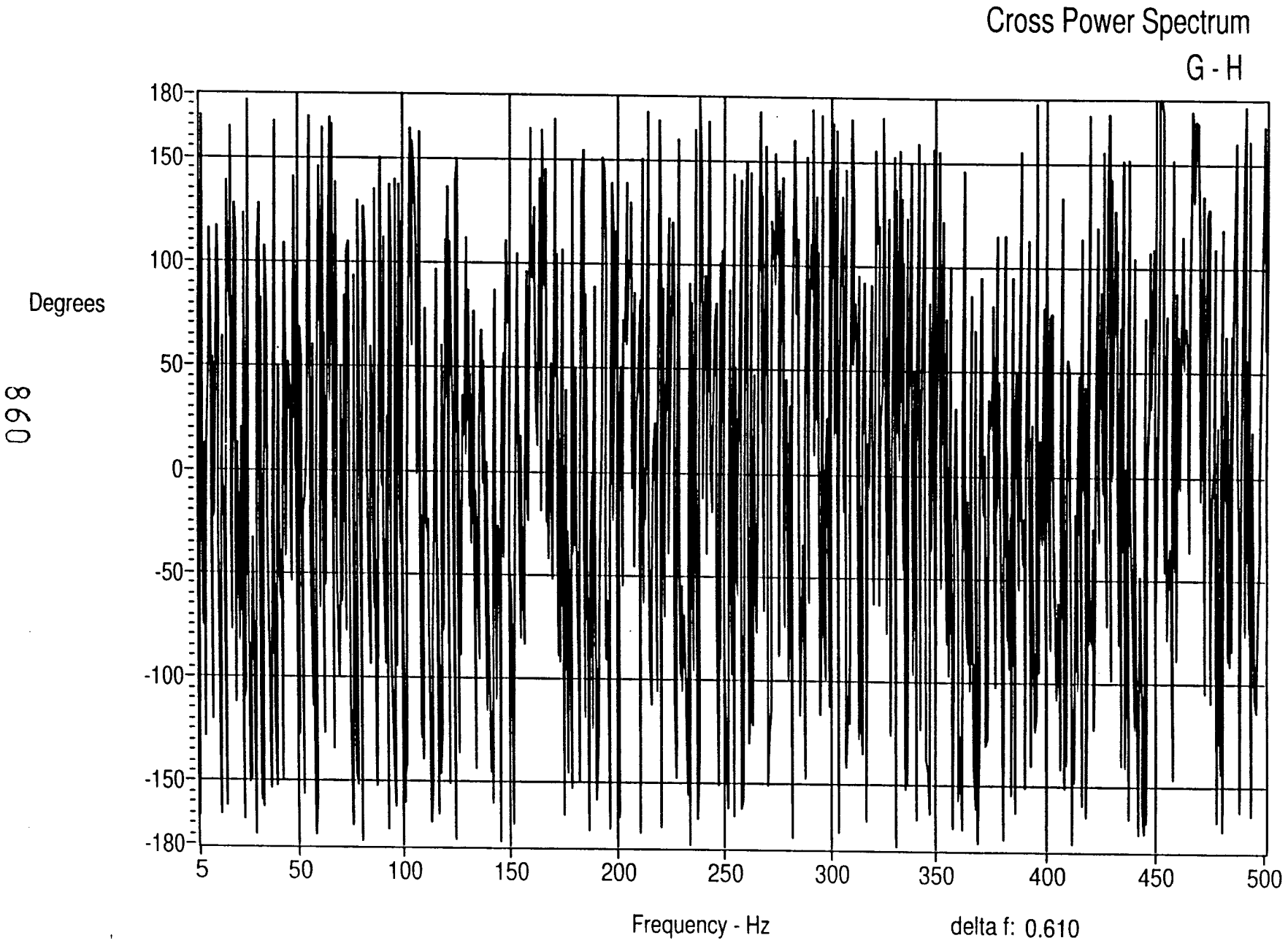


858

F-15 TPN_3036: alpha=24 beta=-4 bp=65

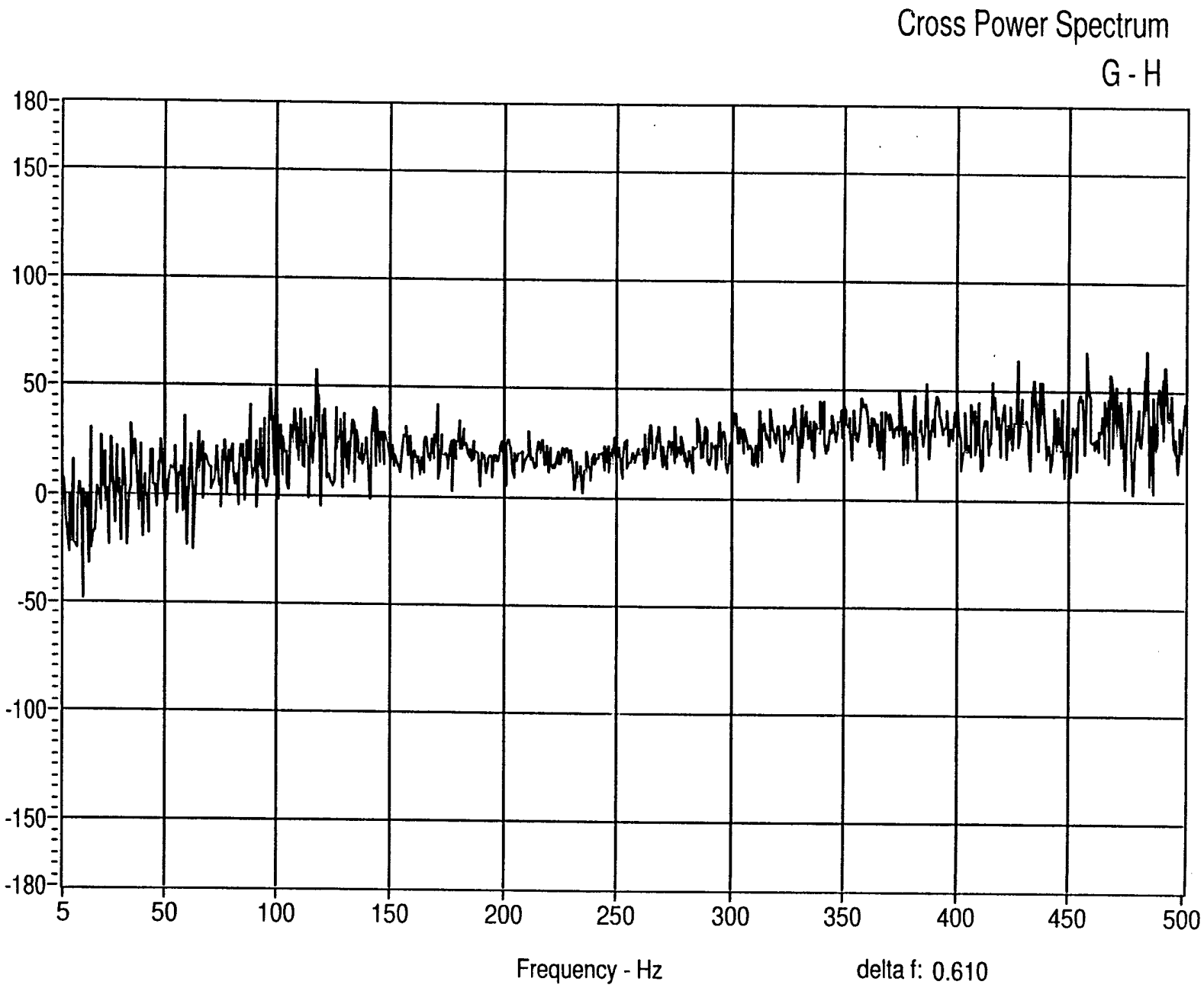


F-15 TPN_2918: alpha=8 beta=4 bp=0

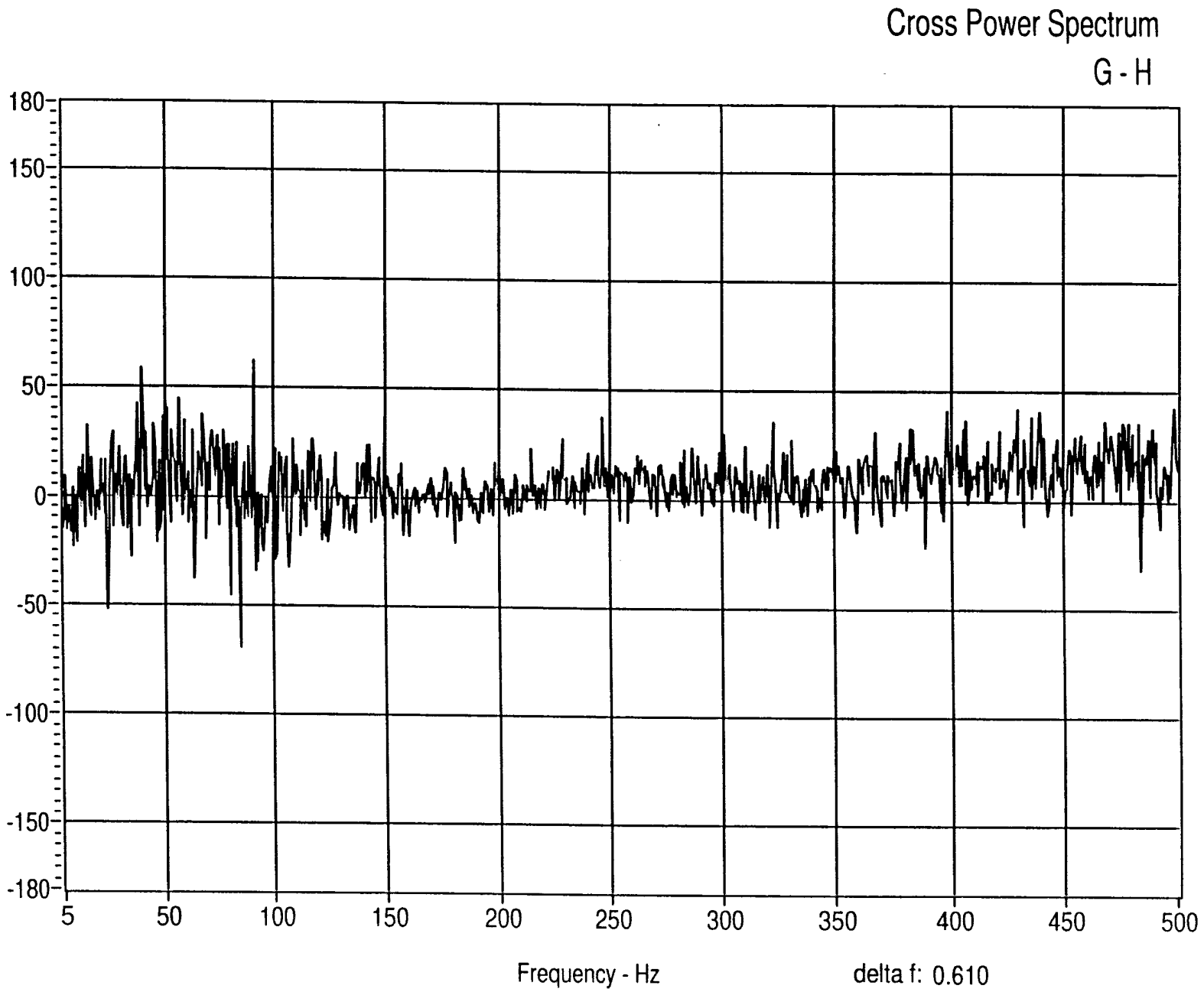


098

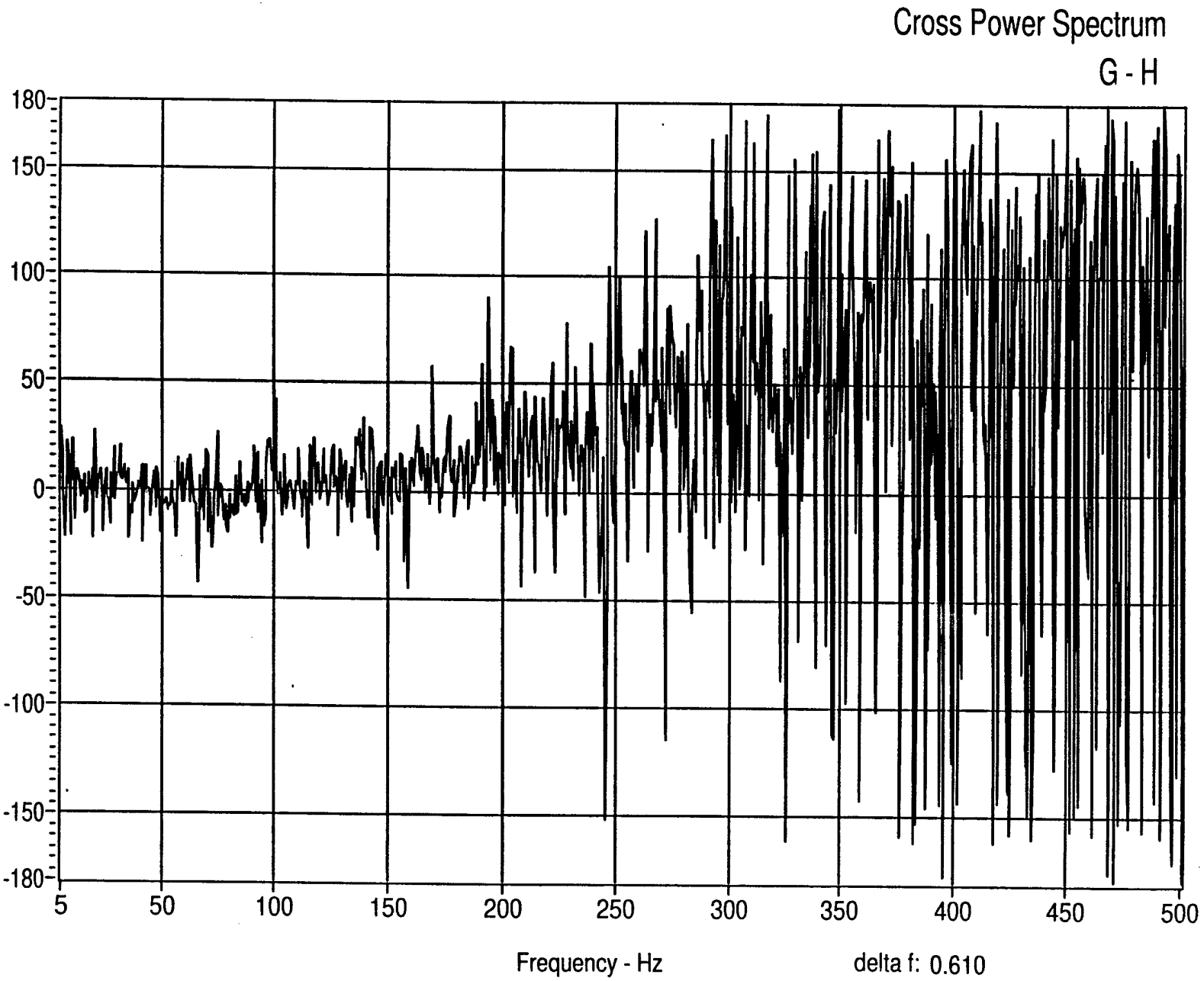
F-15 TPN_2924: alpha=20 beta=4 bp=0



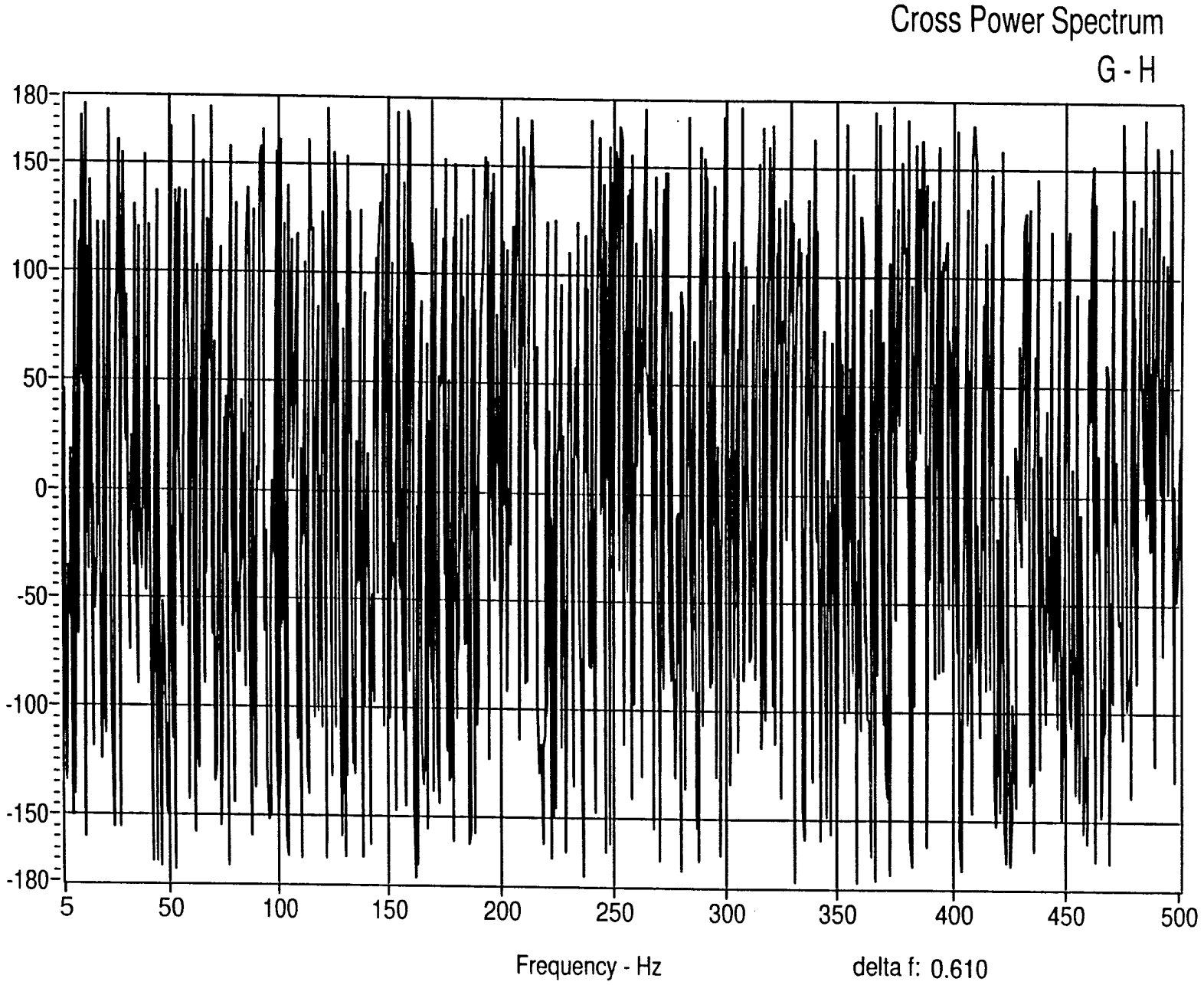
F-15 TPN_2926: alpha=24 beta=4 bp=0



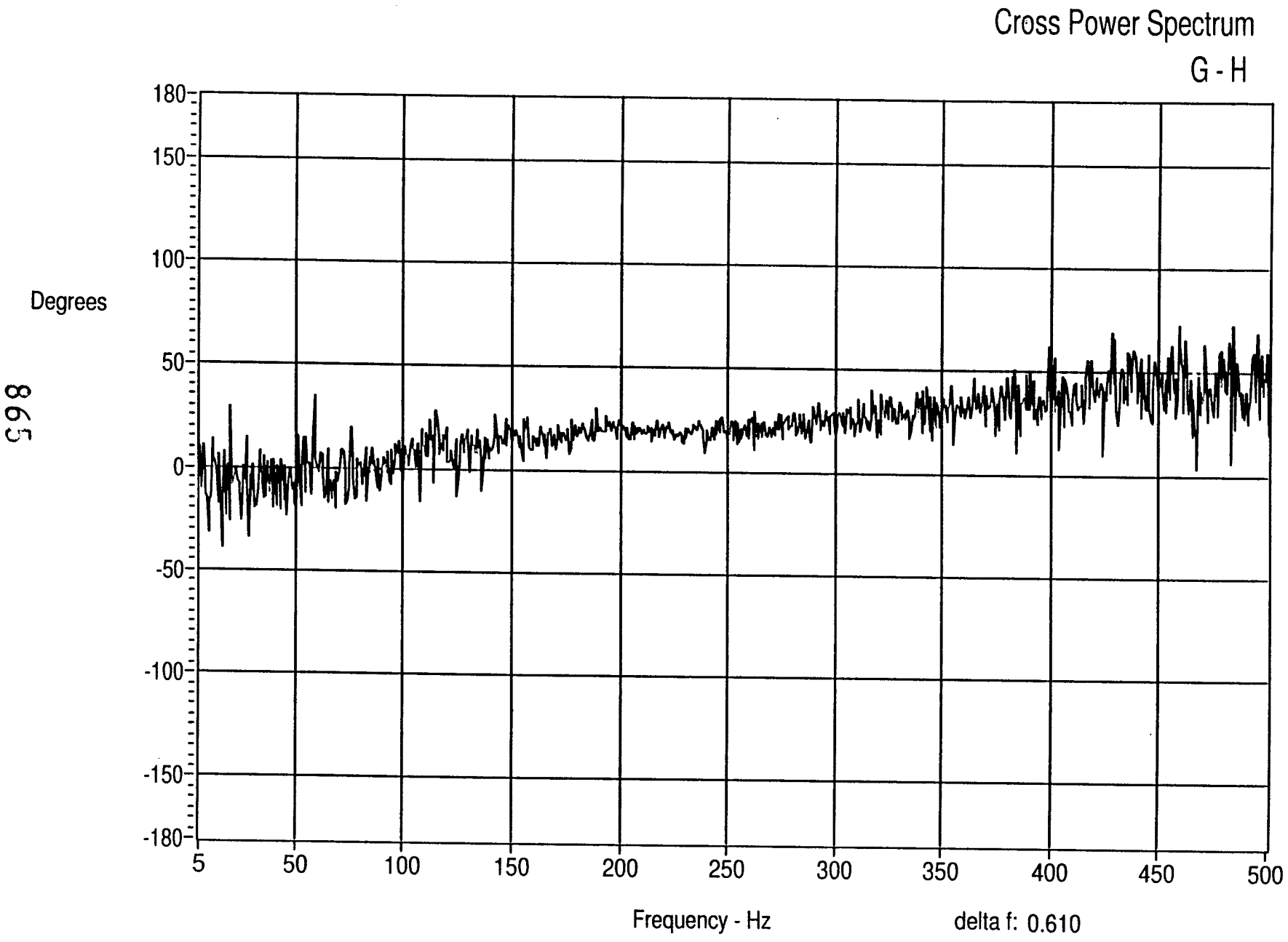
F-15 TPN_2928: alpha=32 beta=4 bp=0



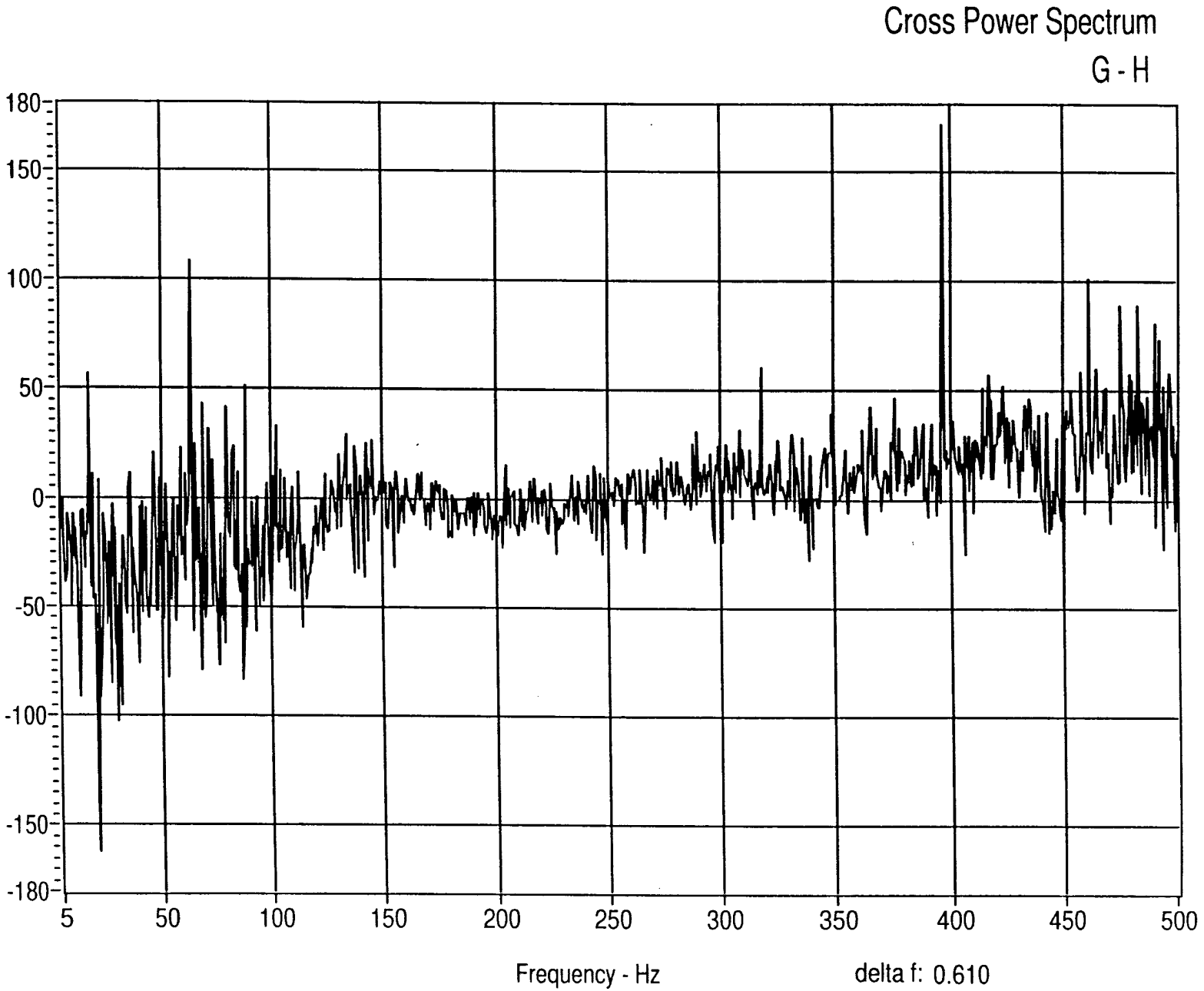
F-15 TPN_2844: alpha=8 beta=0 bp=0



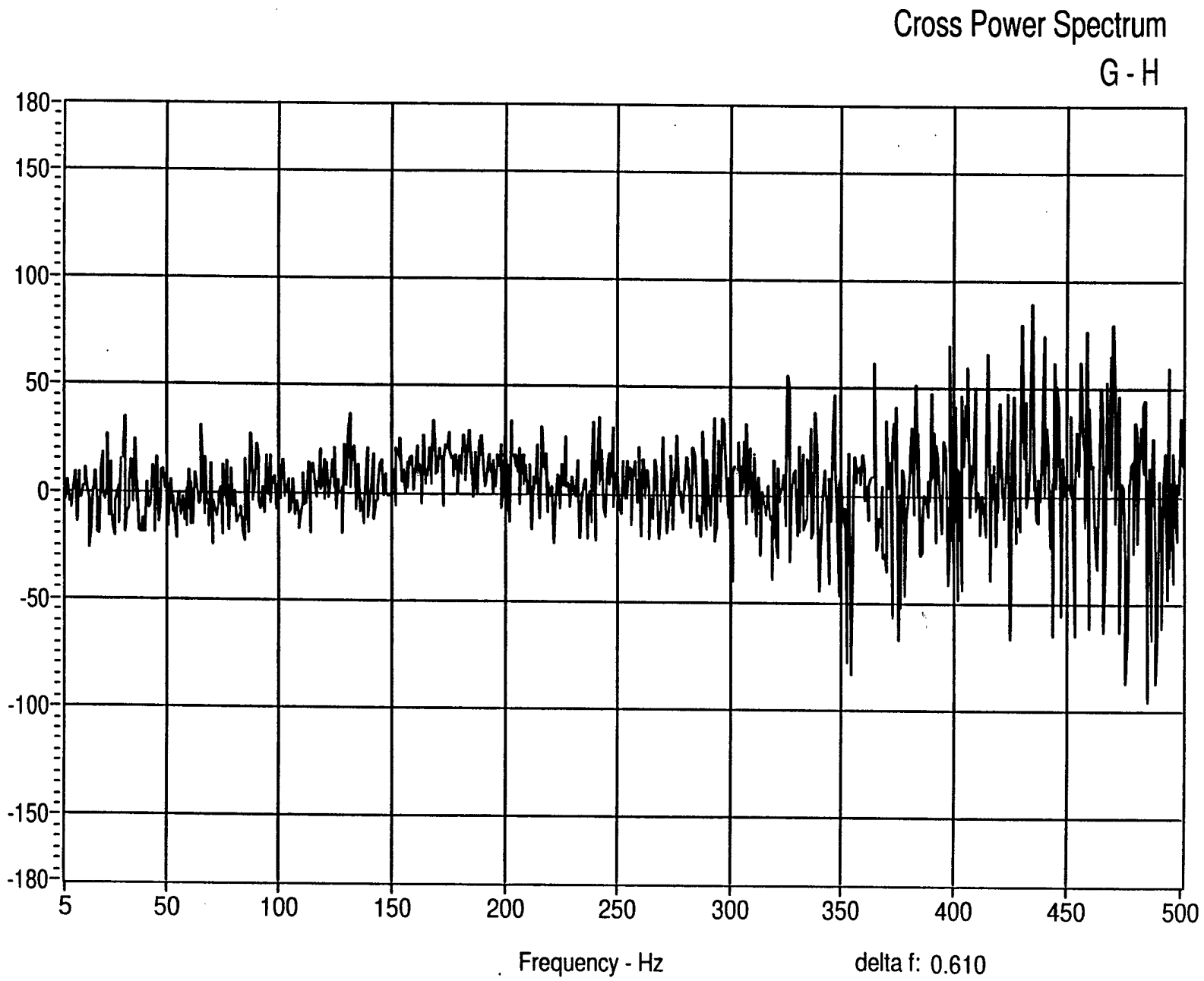
F-15 TPN_2850: alpha=20 beta=0 bp=0



F-15 TPN_2852: alpha=24 beta=0 bp=0

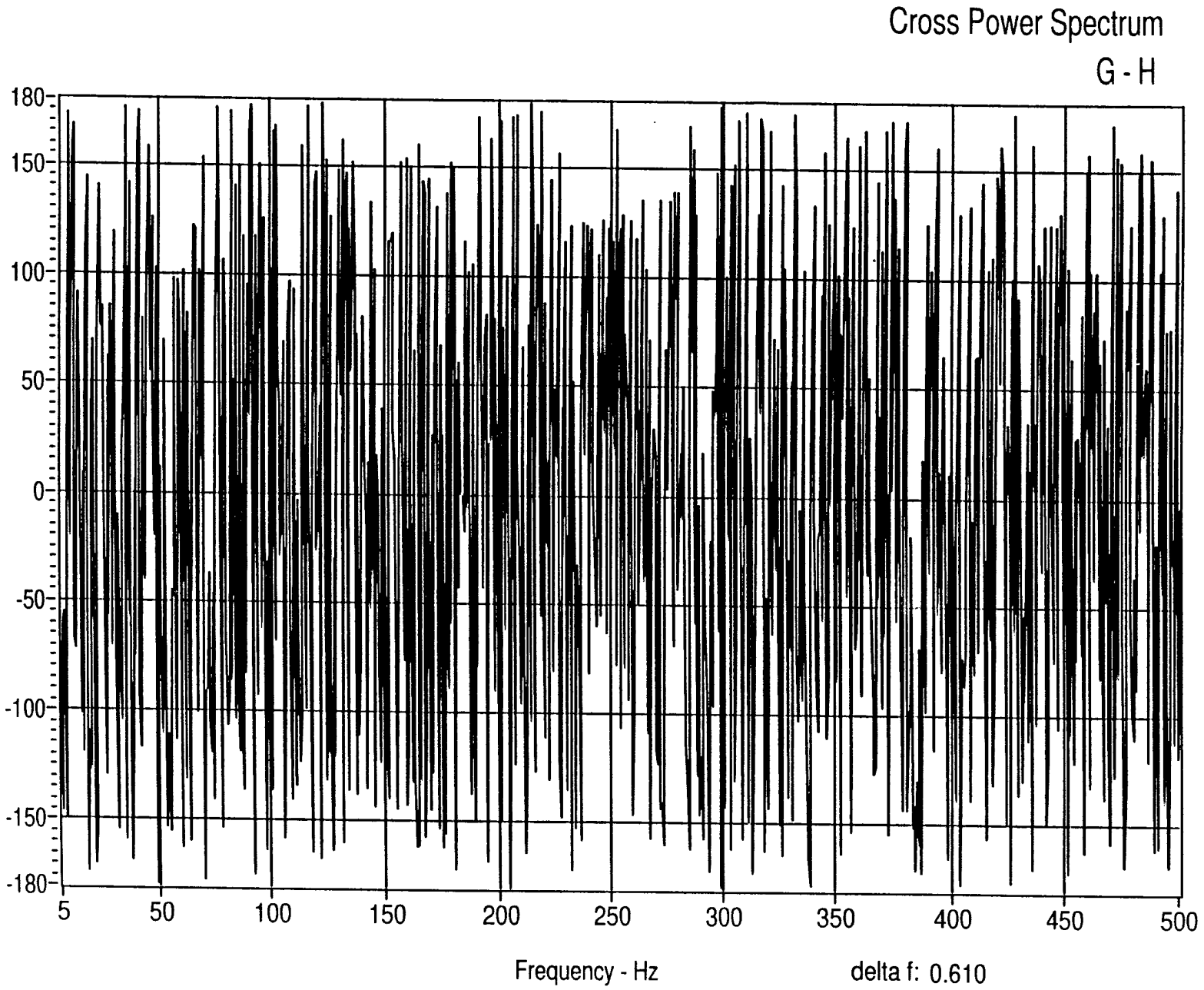


F-15 TPN_2854: alpha=32 beta=0 bp=0



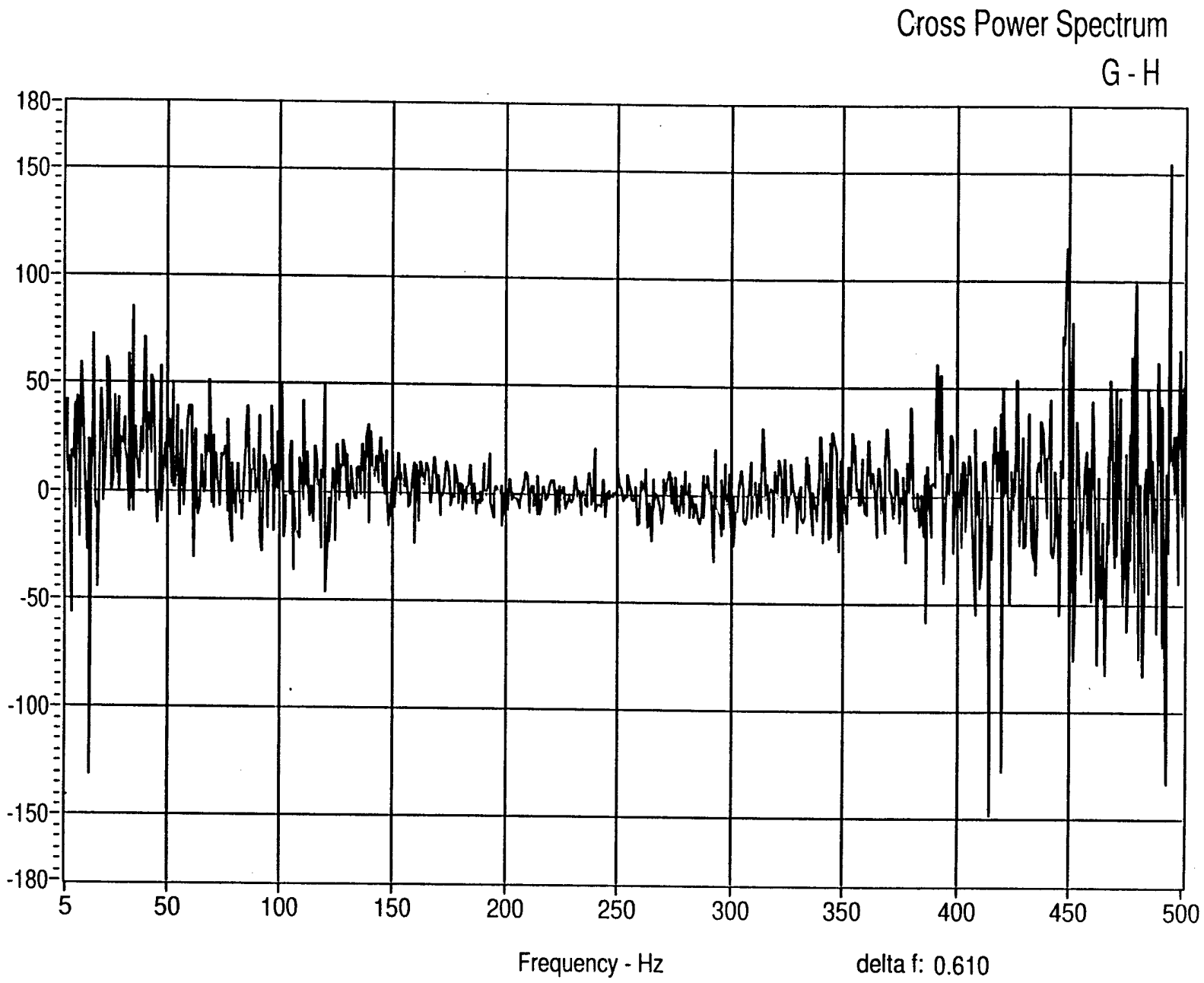
867

F-15 TPN_2864: alpha=8 beta=-4 bp=0

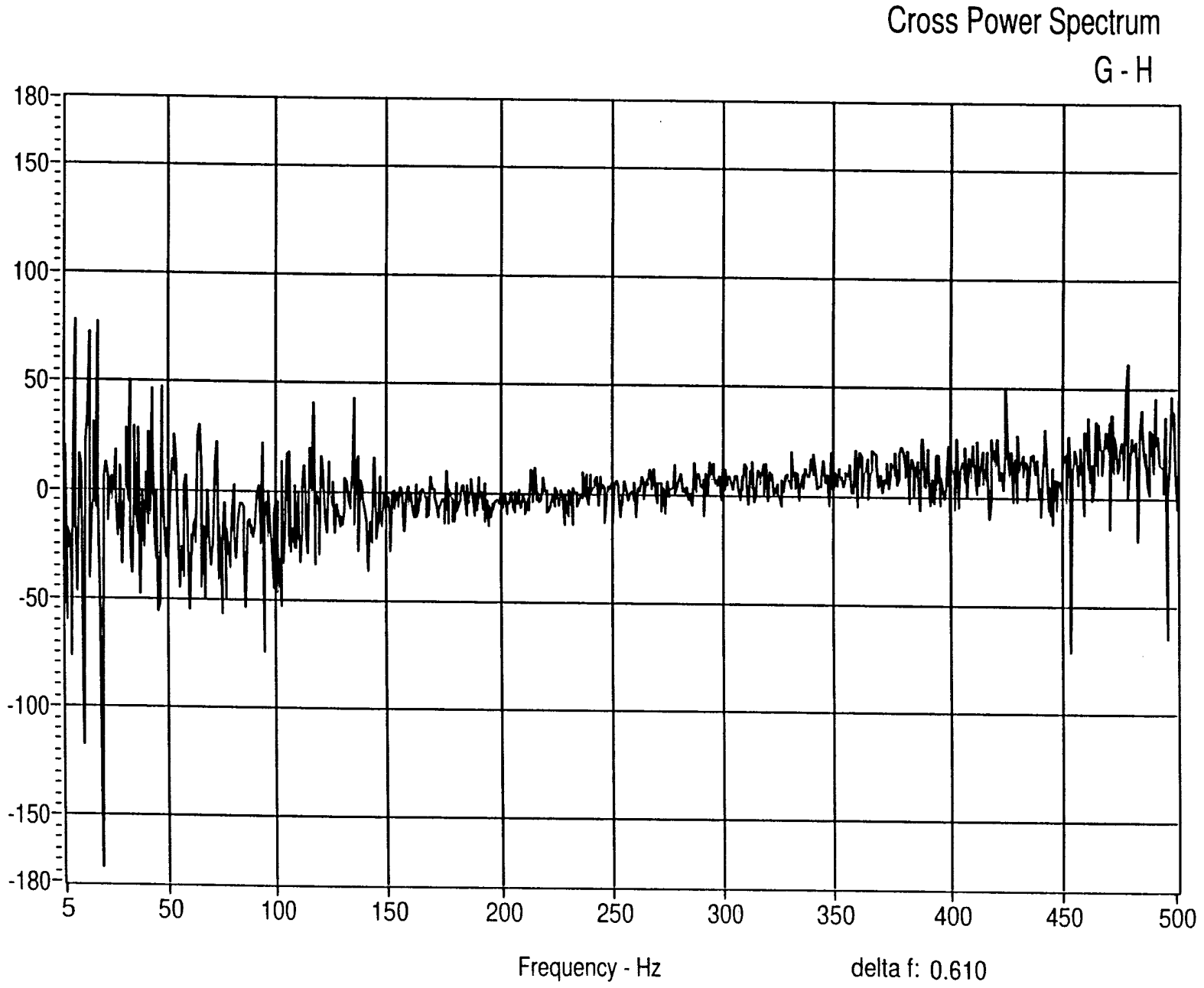


868

F-15 TPN_2870: alpha=20 beta=-4 bp=0

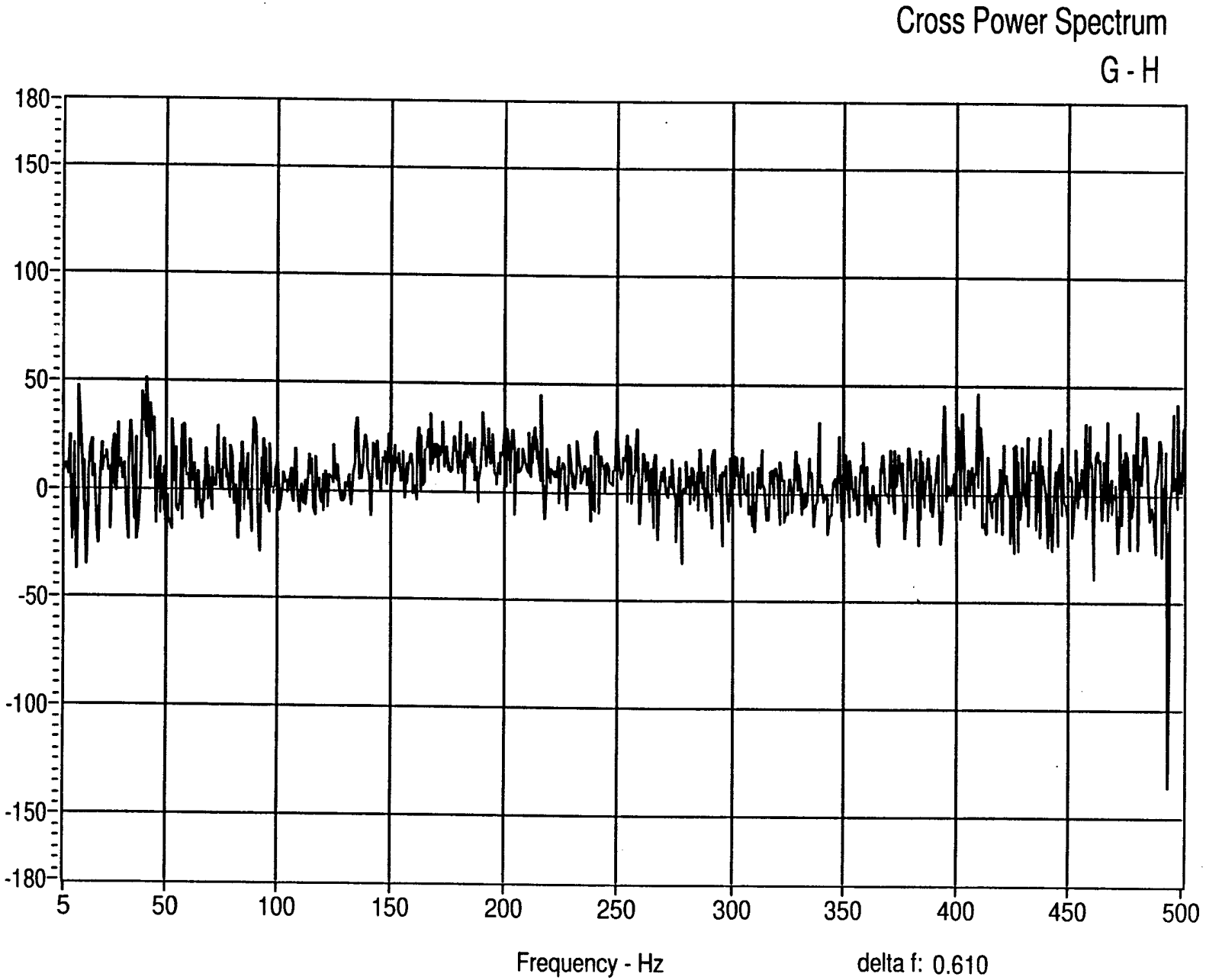


F-15 TPN_2872: alpha=24 beta=-4 bp=0

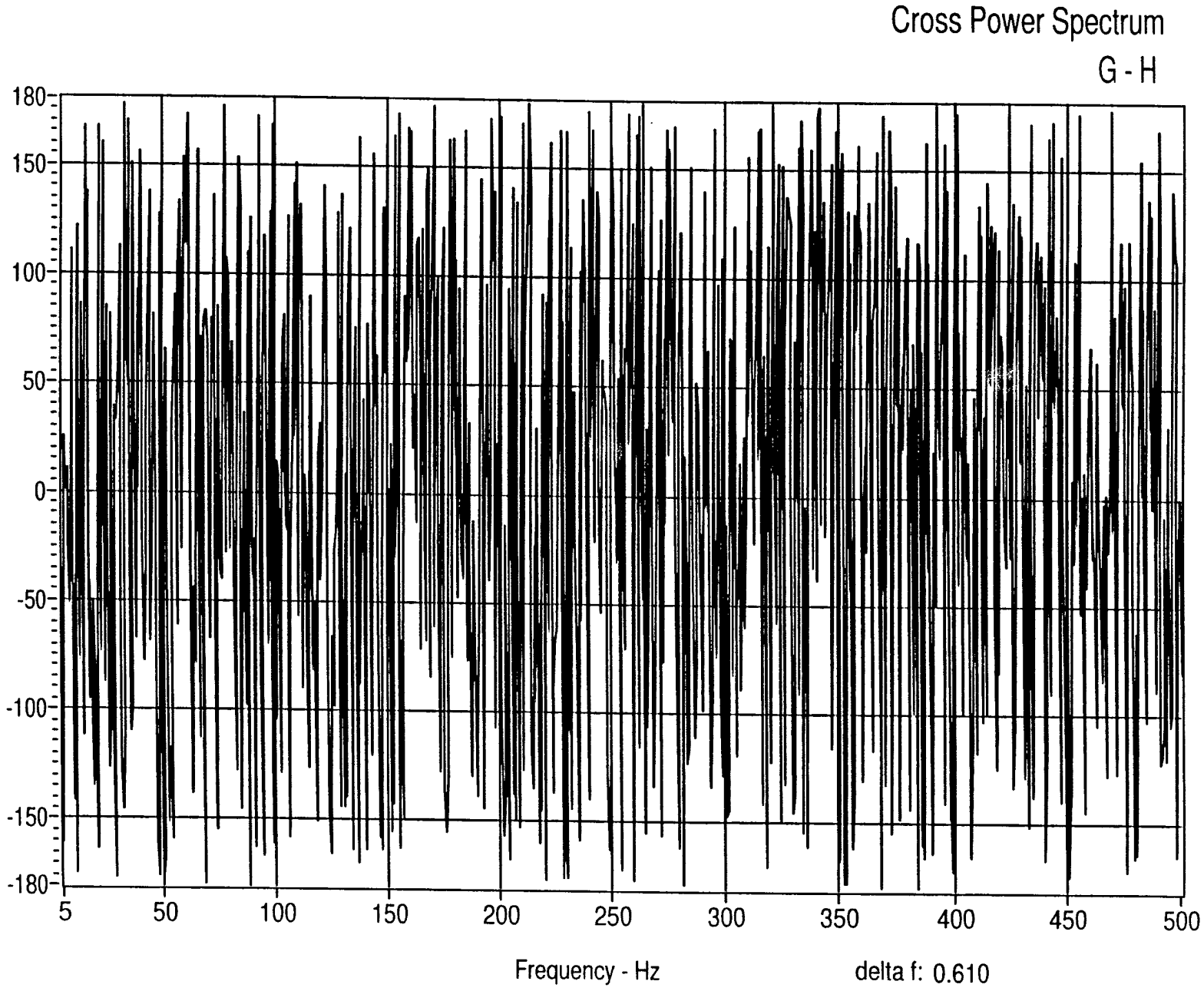


870

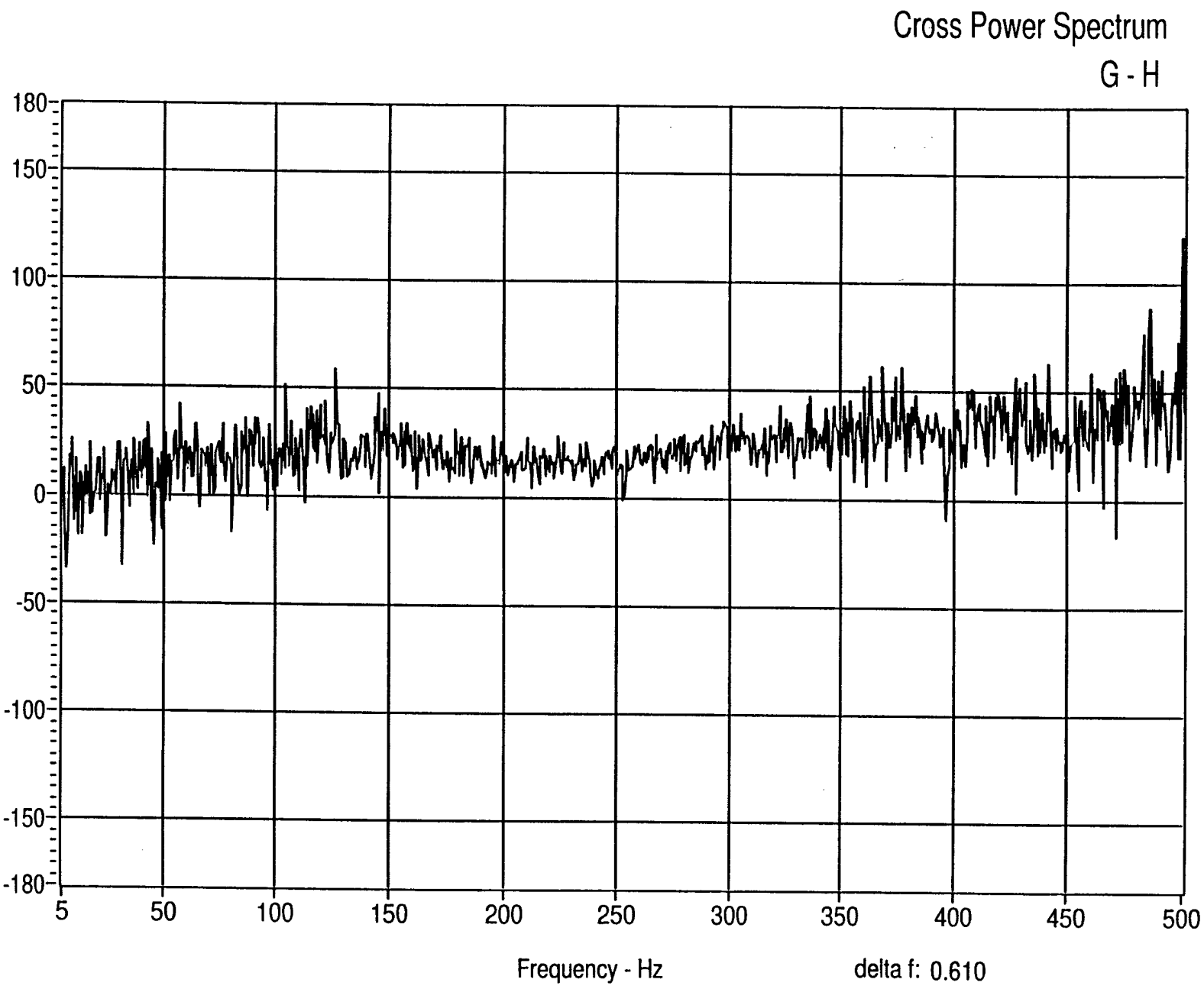
F-15 TPN_2874: alpha=32 beta=-4 bp=0



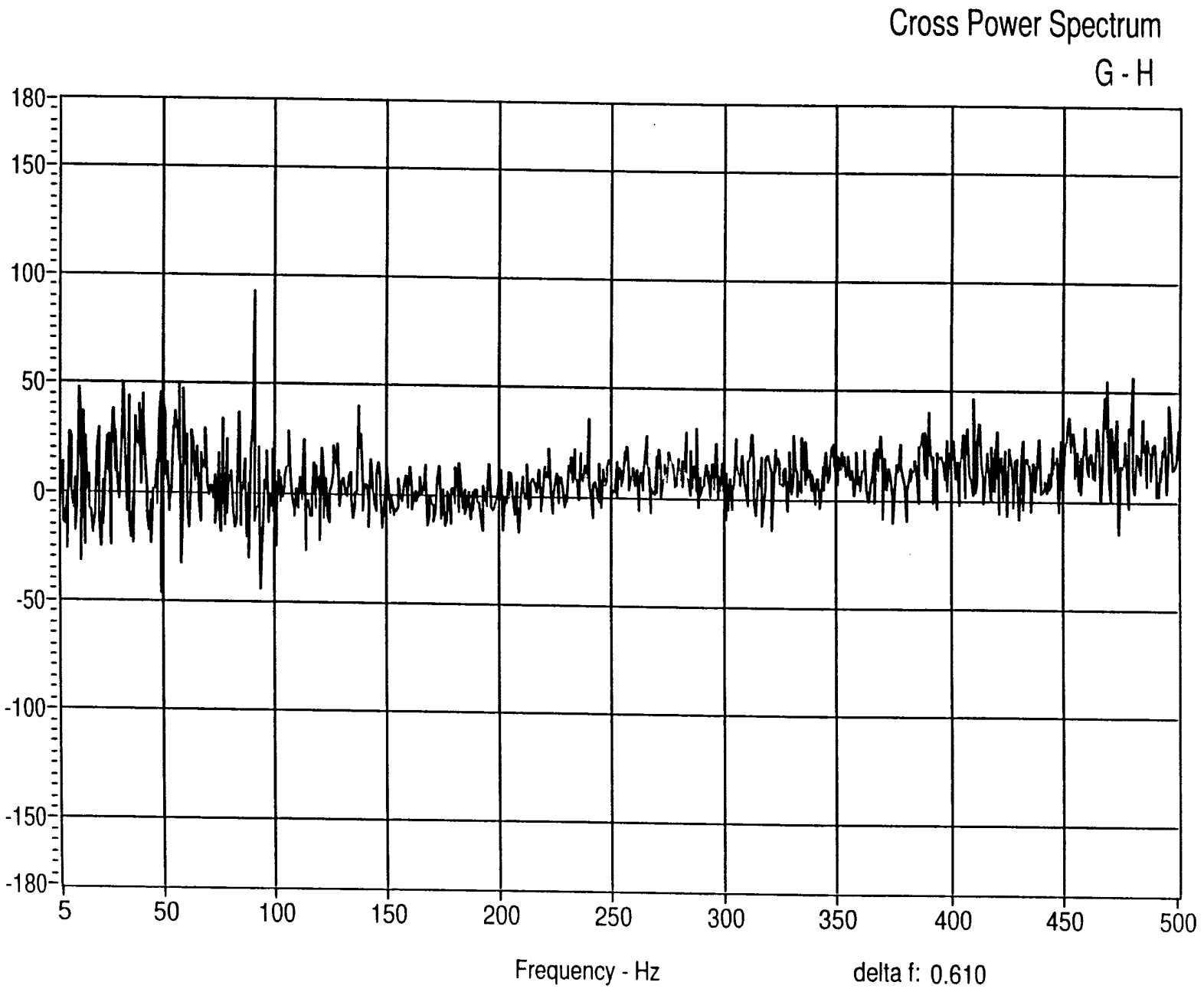
F-15 TPN_3351: alpha=8 beta=4 bp=45



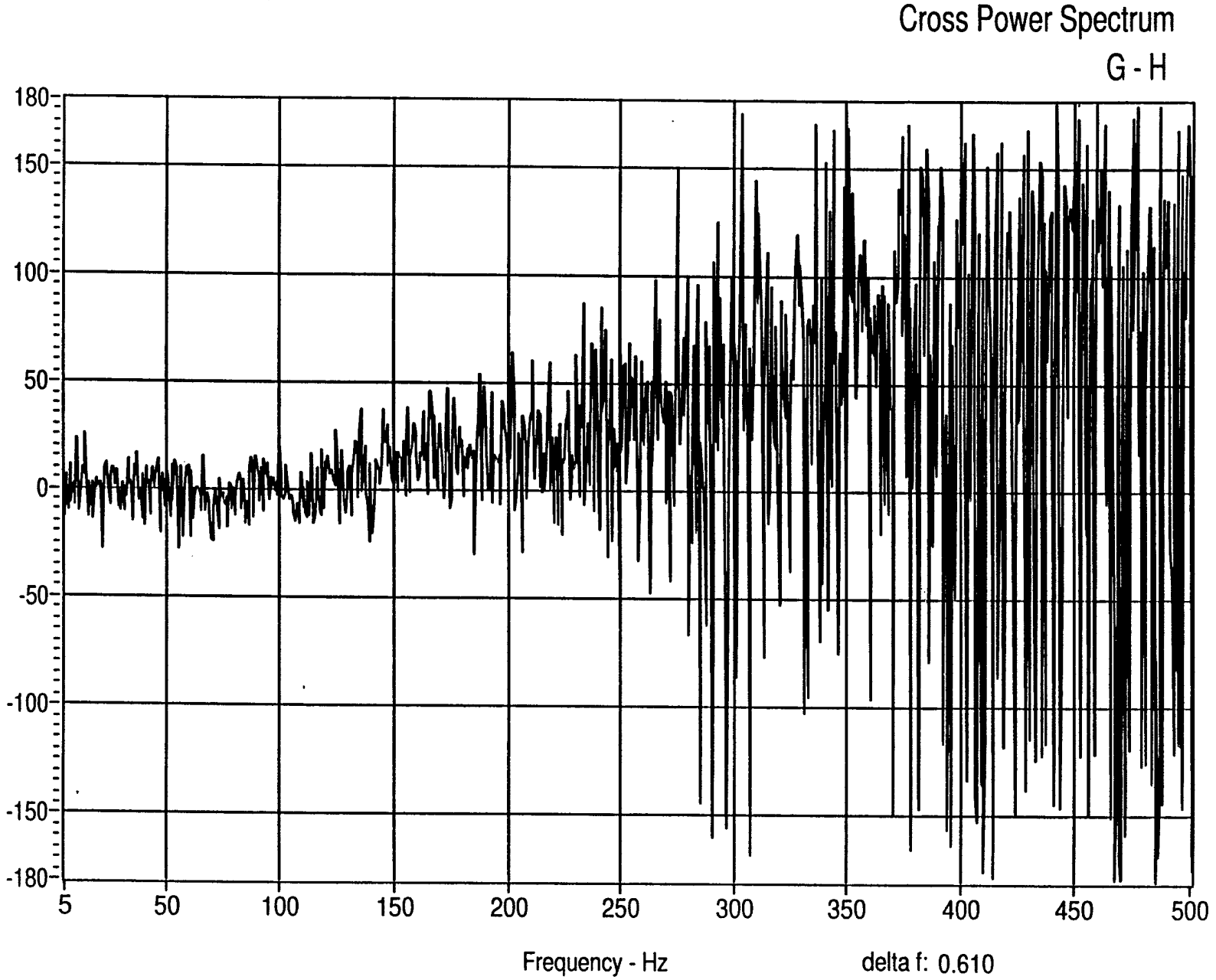
F-15 TPN_3357: alpha=20 beta=4 bp=45



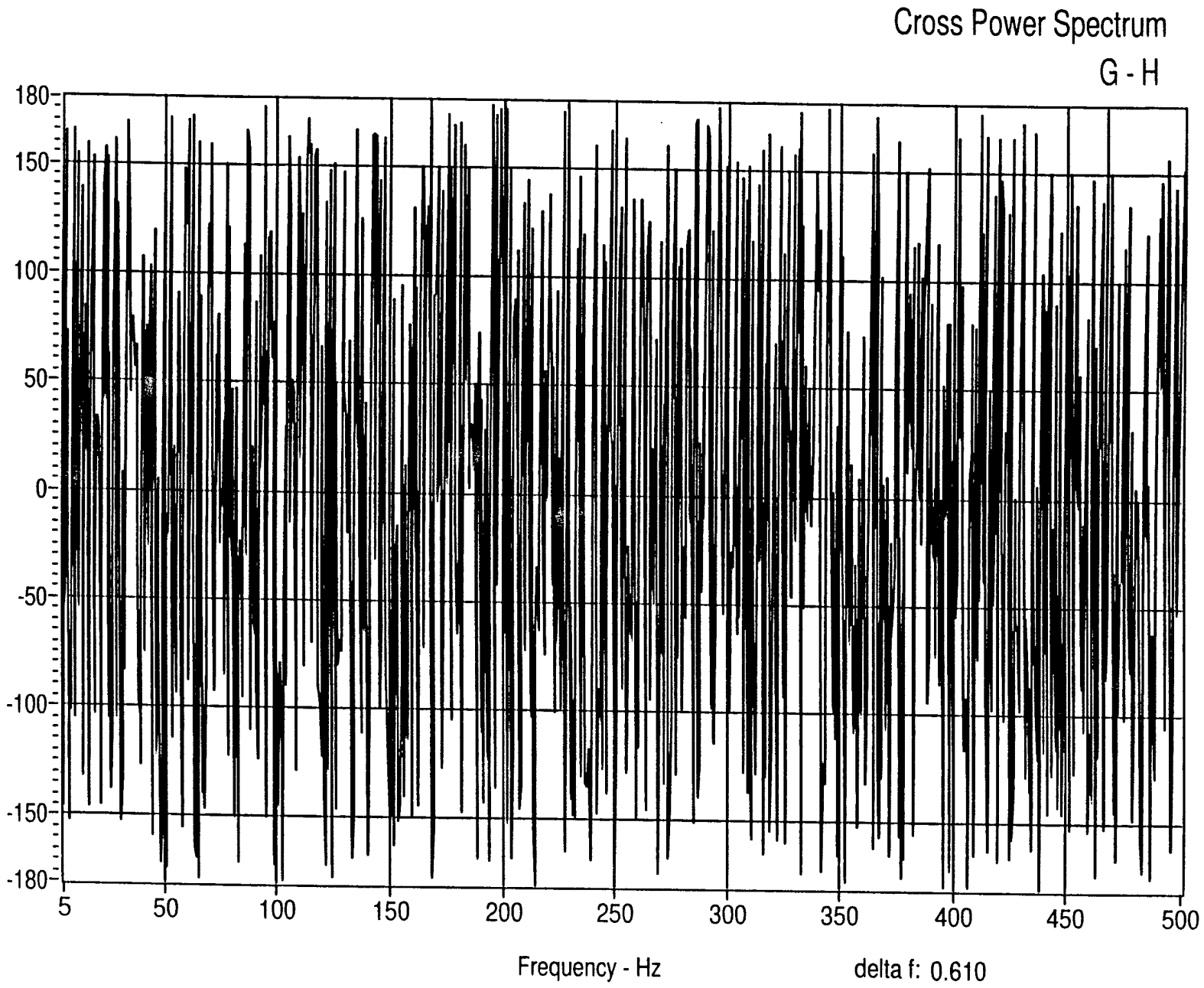
F-15 TPN_3359: alpha=24 beta=4 bp=45



F-15 TPN_3361: alpha=32 beta=4 bp=45

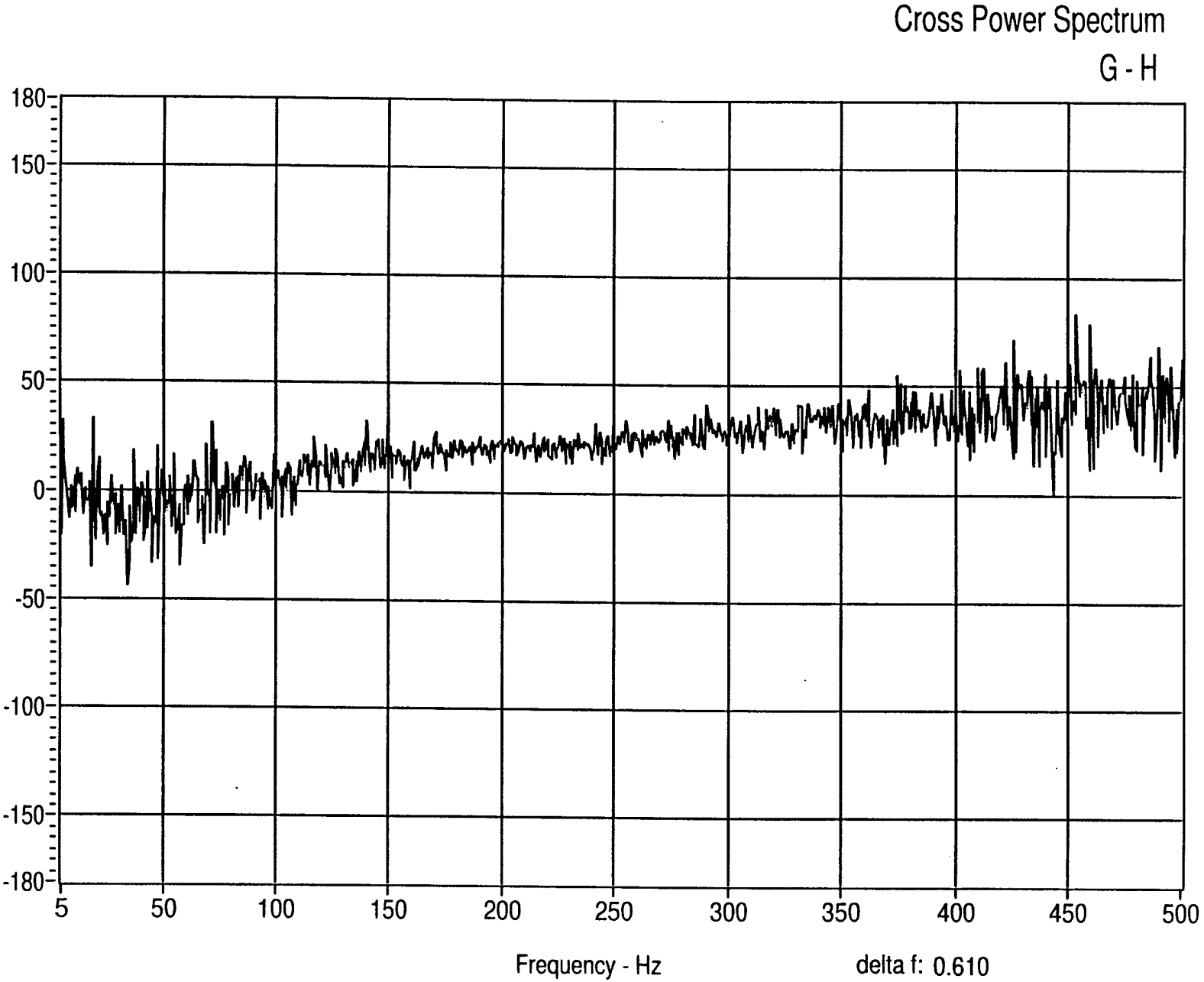


F-15 TPN_3333: alpha=8 beta=0 bp=45



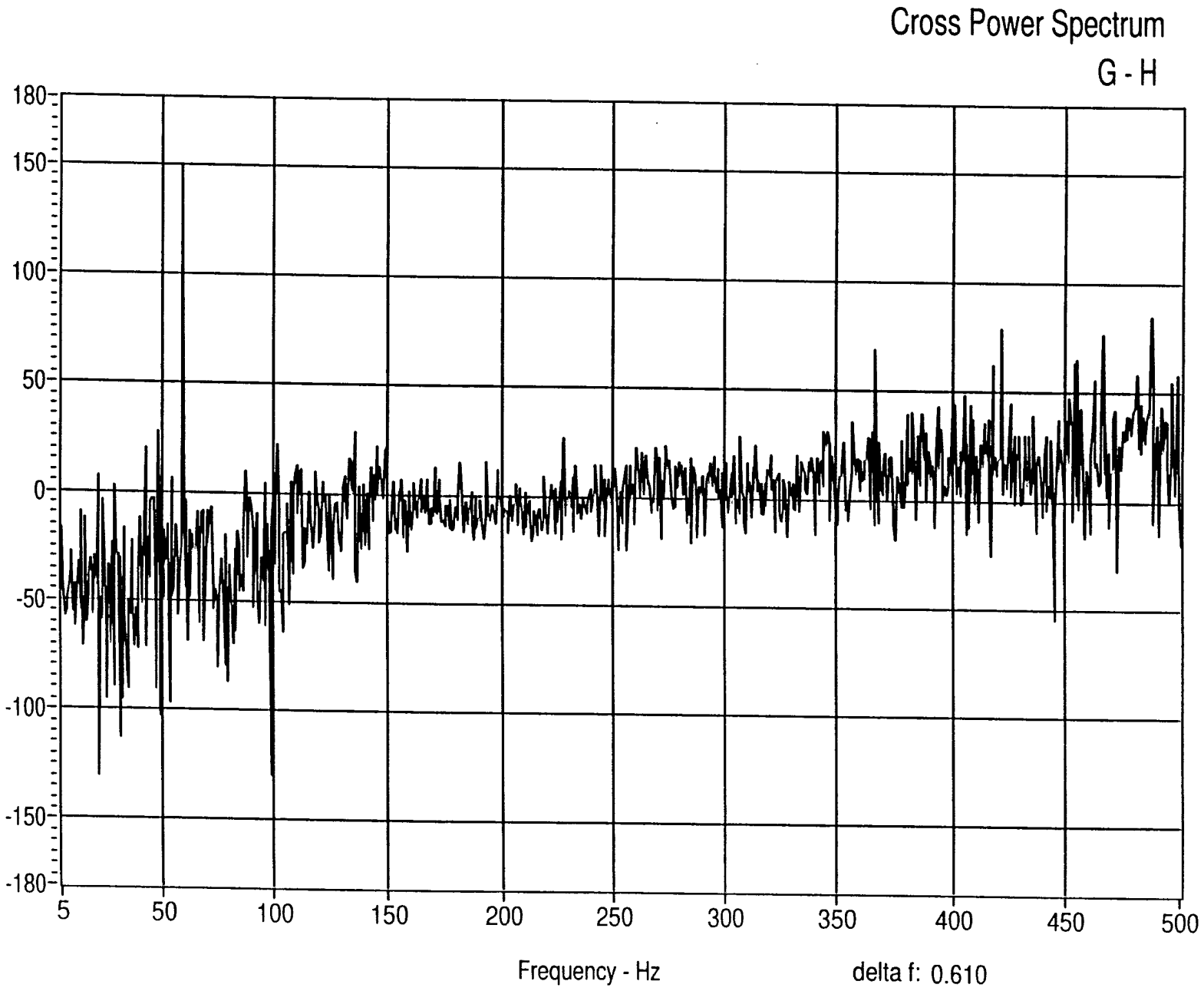
876

F-15 TPN_3339: alpha=20 beta=0 bp=45

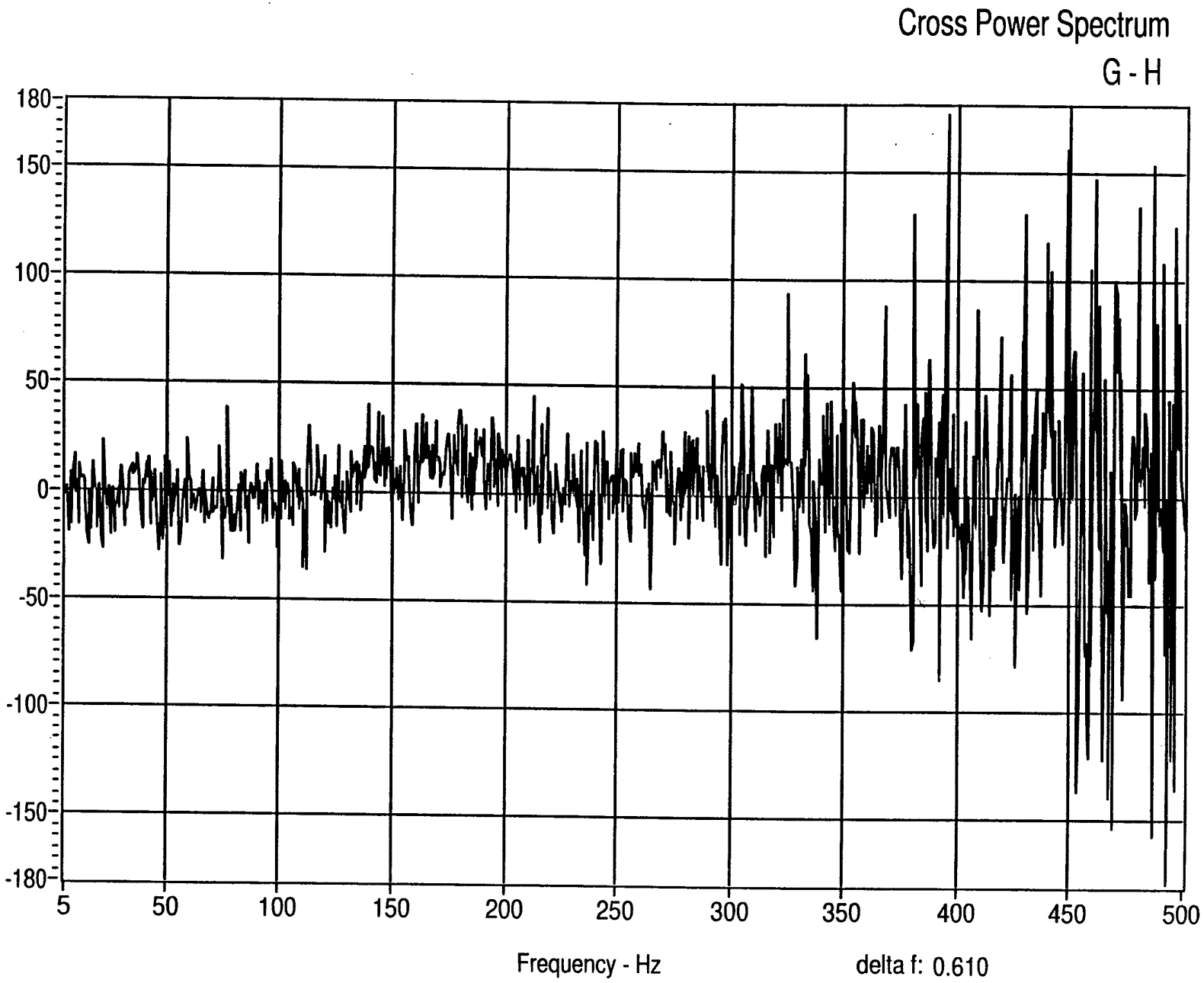


877

F-15 TPN_3341: alpha=24 beta=0 bp=45

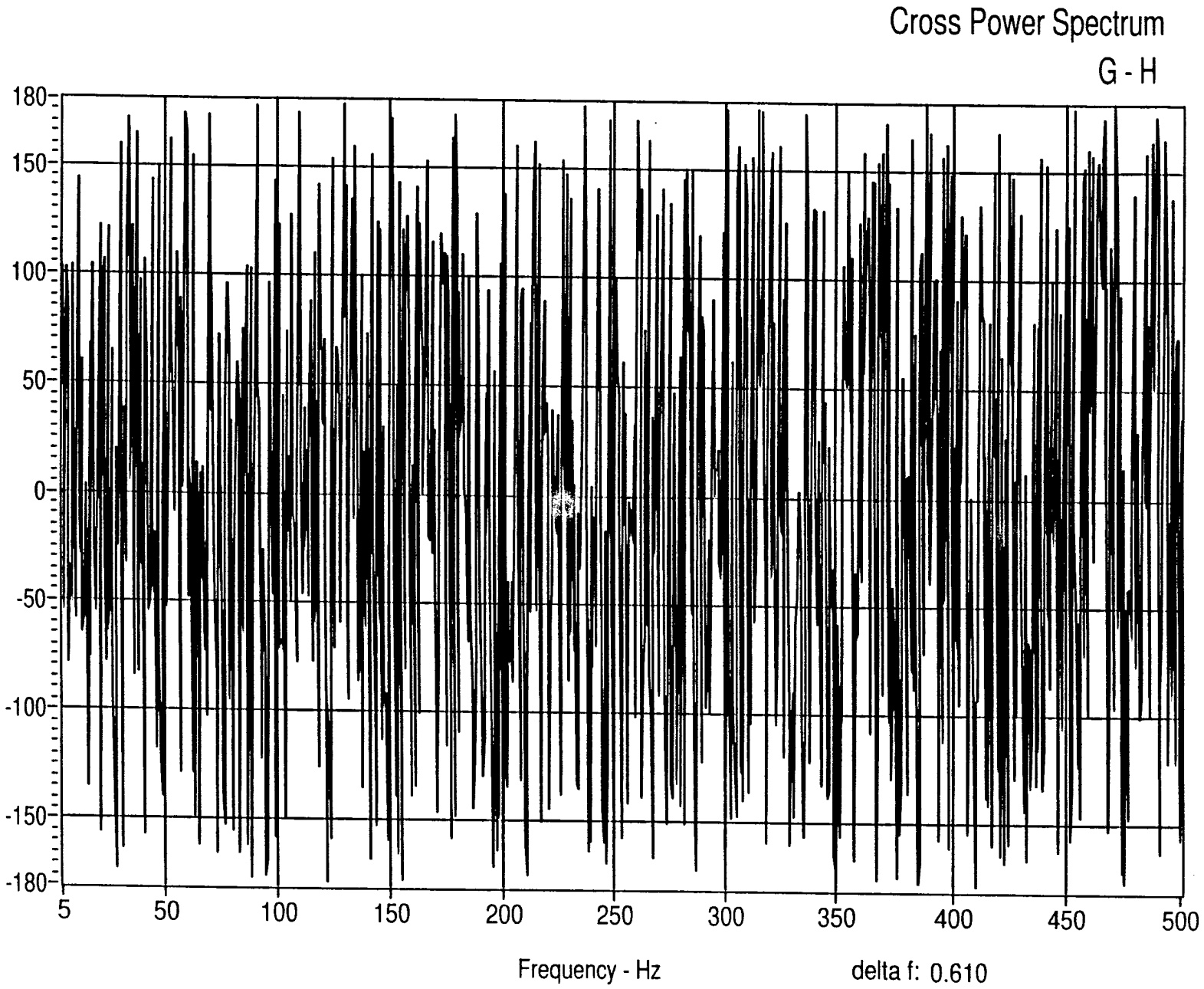


F-15 TPN_3343: alpha=32 beta=0 bp=45



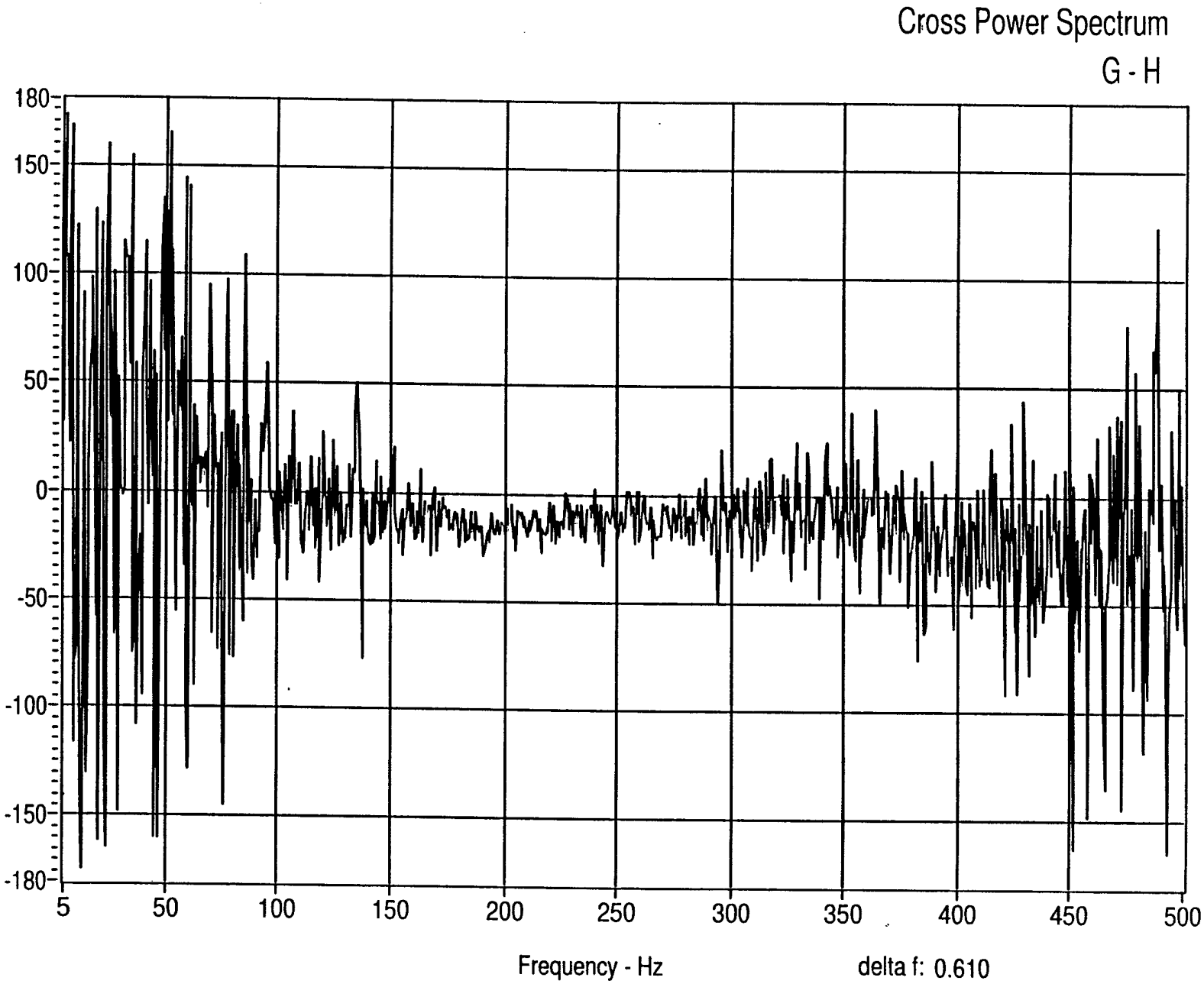
879

F-15 TPN_3369: alpha=8 beta=-4 bp=45



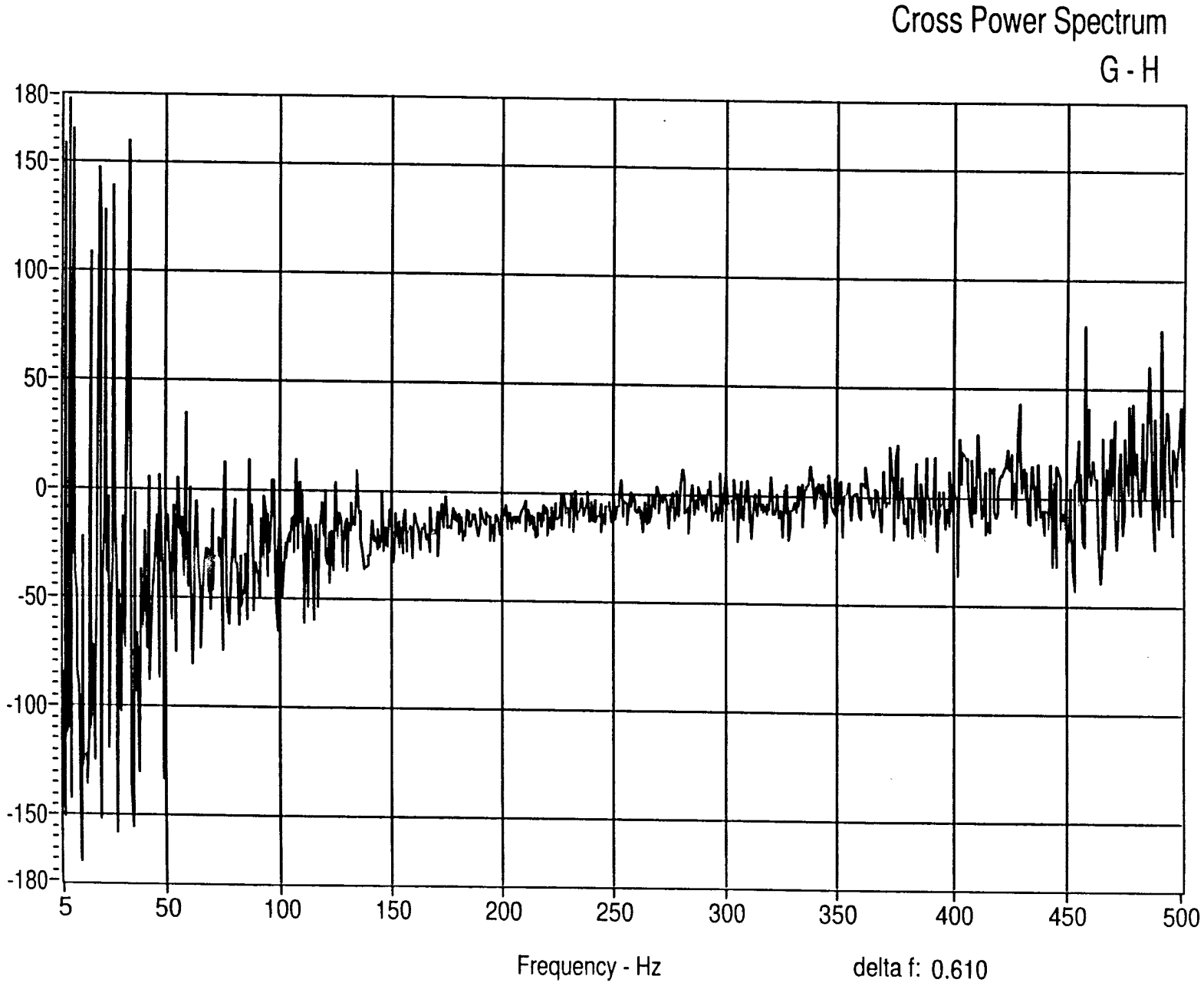
088

F-15 TPN_3375: alpha=20 beta=-4 bp=45



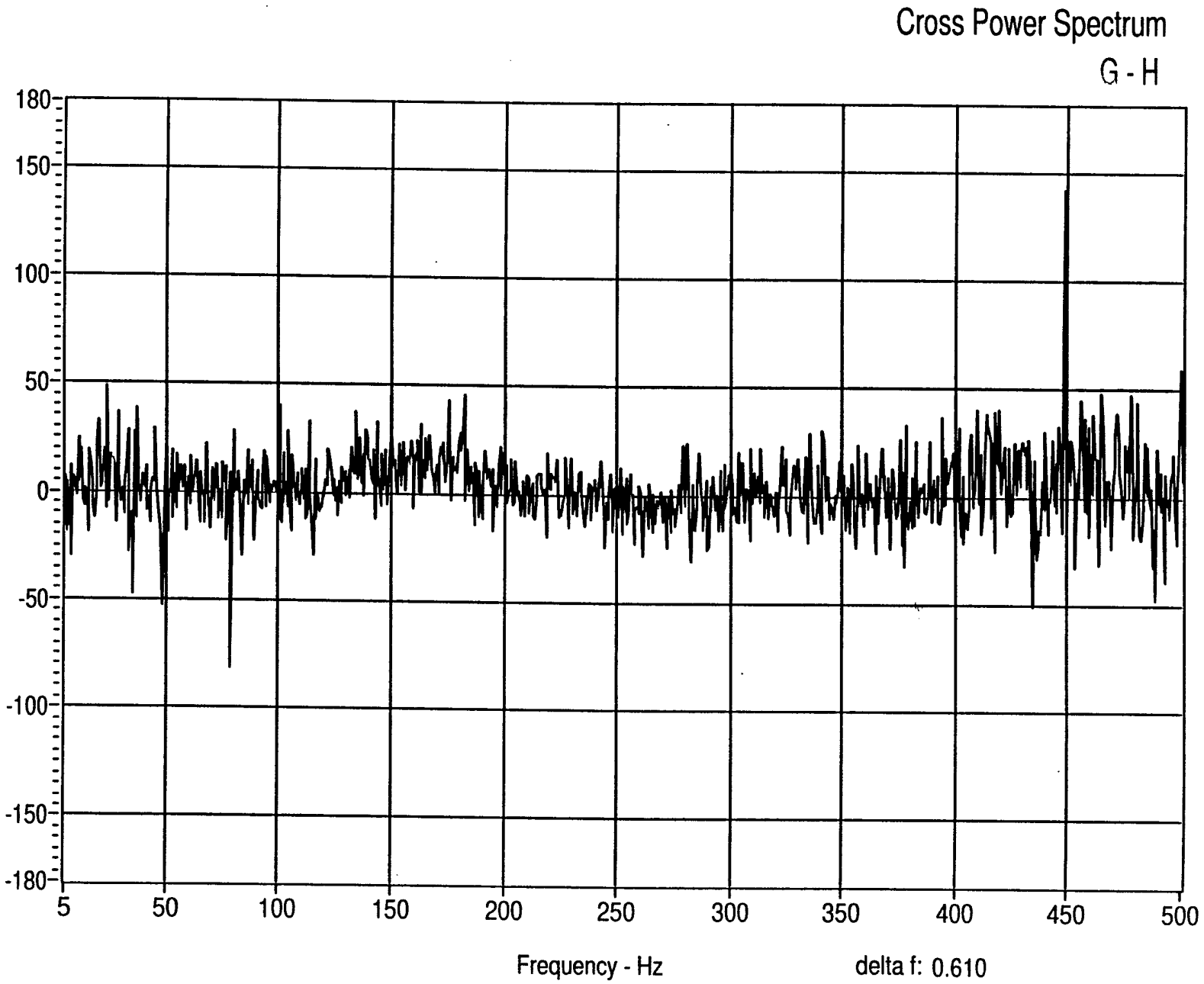
881

F-15 TPN_3377: alpha=24 beta=-4 bp=45



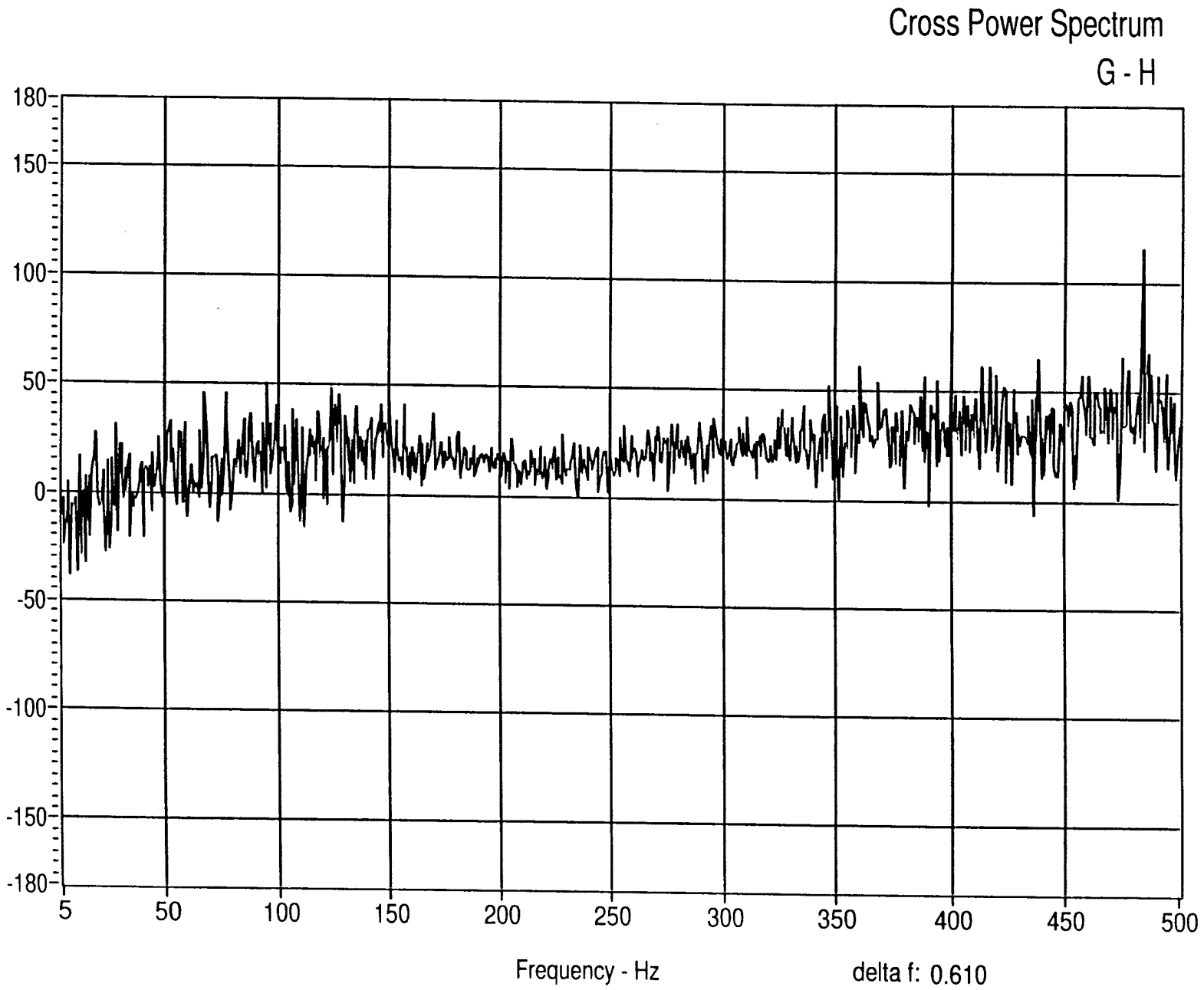
882

F-15 TPN_3379: alpha=32 beta=-4 bp=45

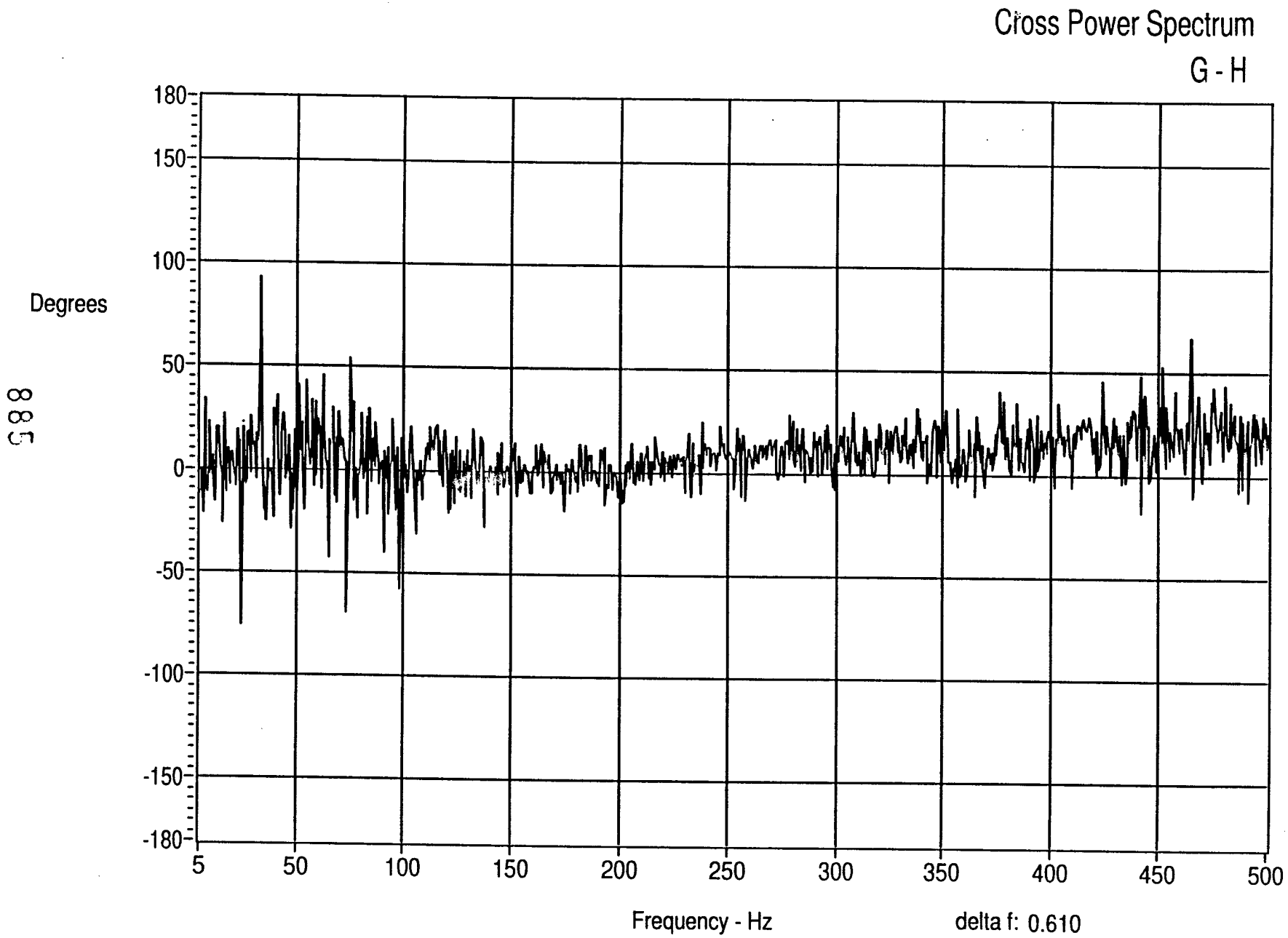


883

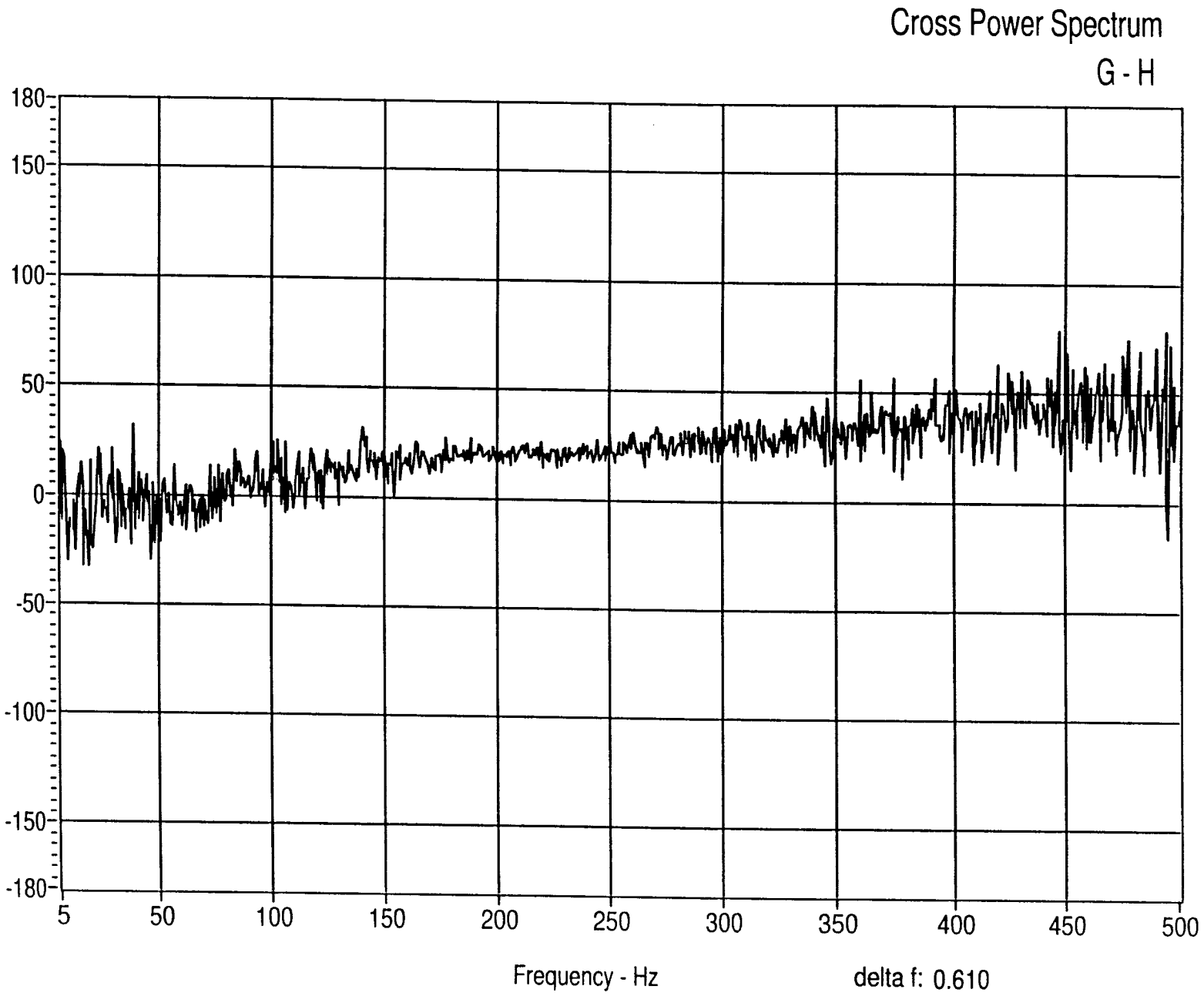
F-15 TPN_3046: alpha=20 beta=4 bp=65



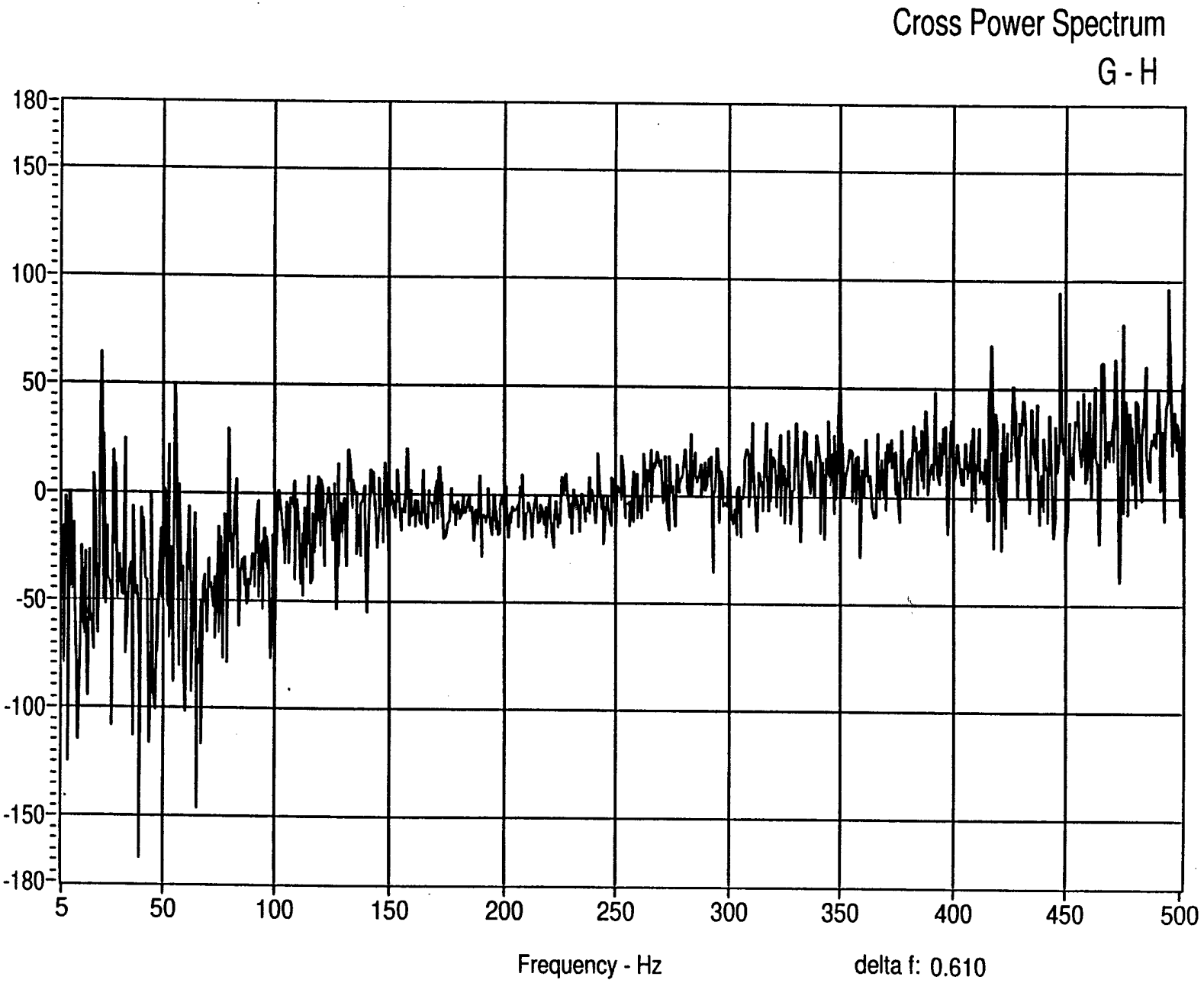
F-15 TPN_3048: alpha=24 beta=4 bp=65



F-15 TPN_3040: alpha=20 beta=0 bp=65

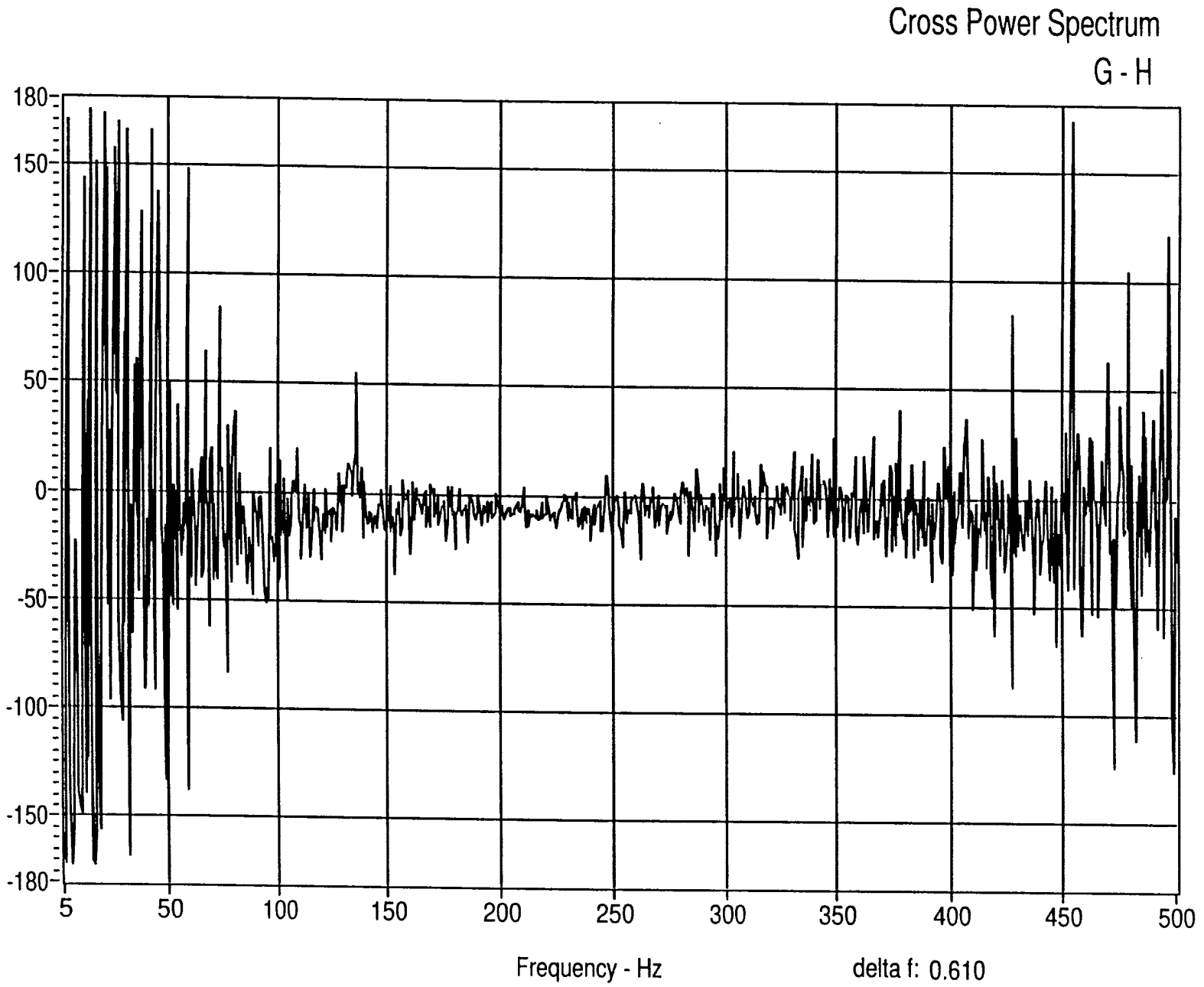


F-15 TPN_3042: alpha=24 beta=0 bp=65



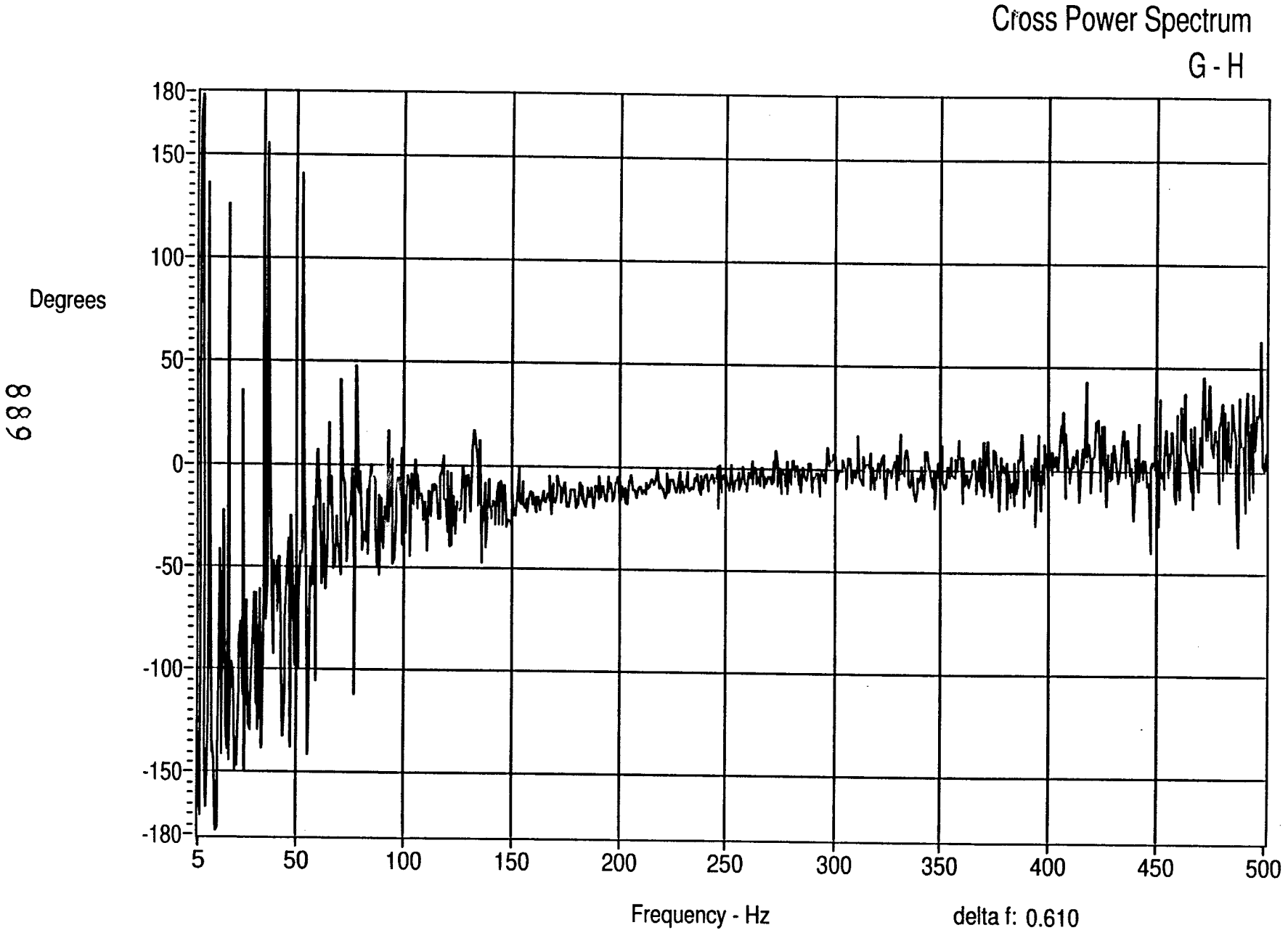
887

F-15 TPN_3034: alpha=20 beta=-4 bp=65



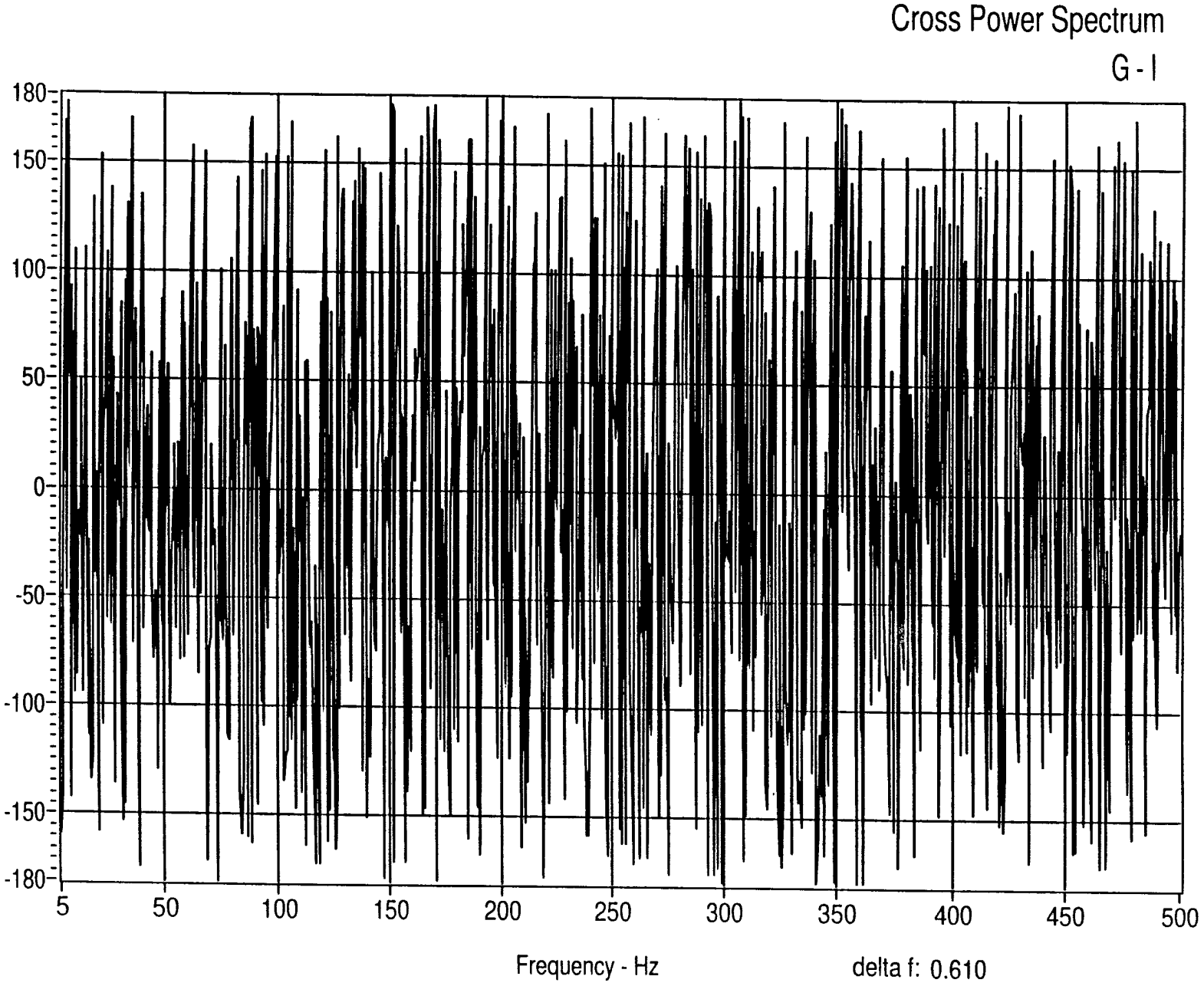
888

F-15 TPN_3036: alpha=24 beta=-4 bp=65



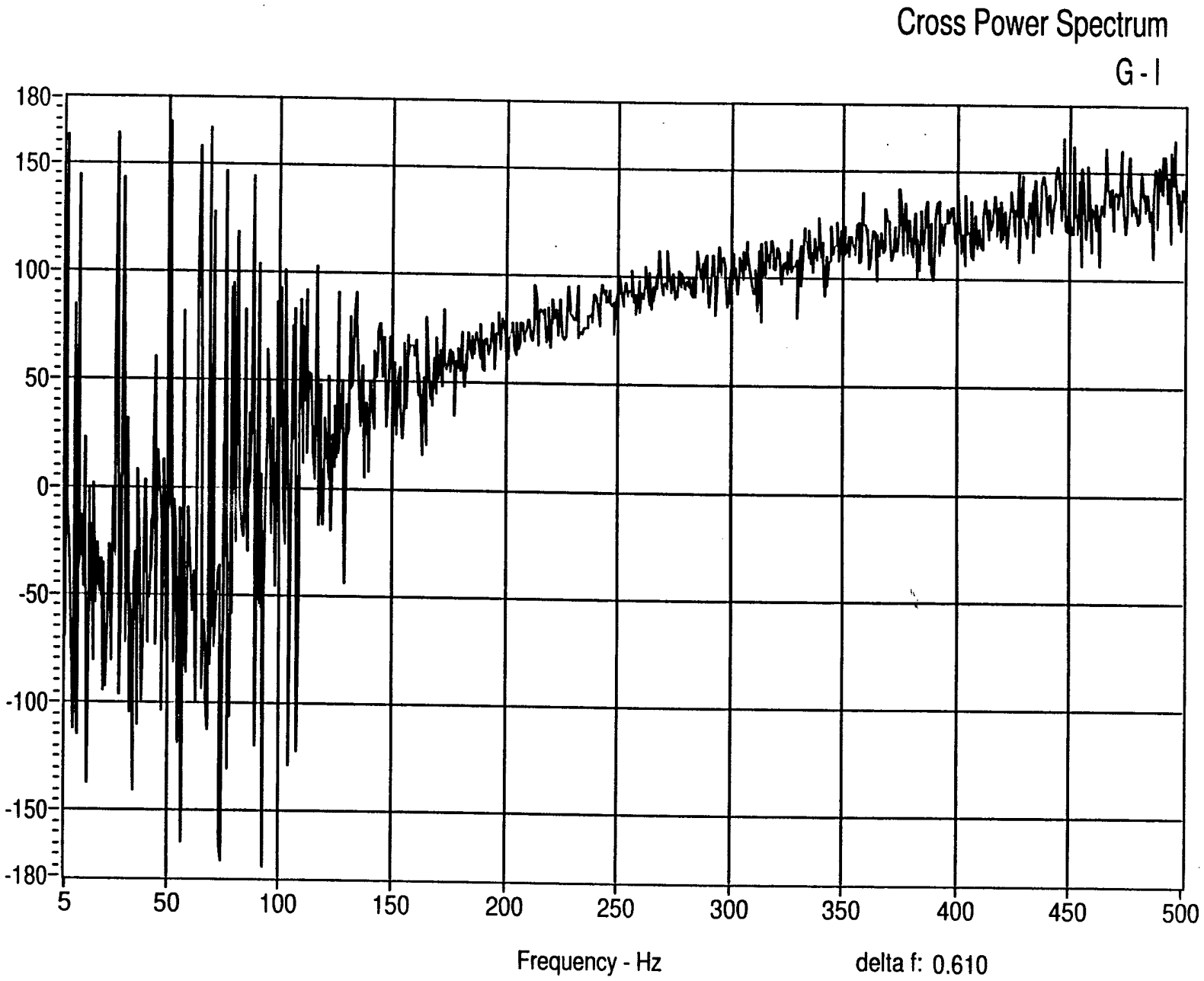
688

F-15 TPN_2918: alpha=8 beta=4 bp=0

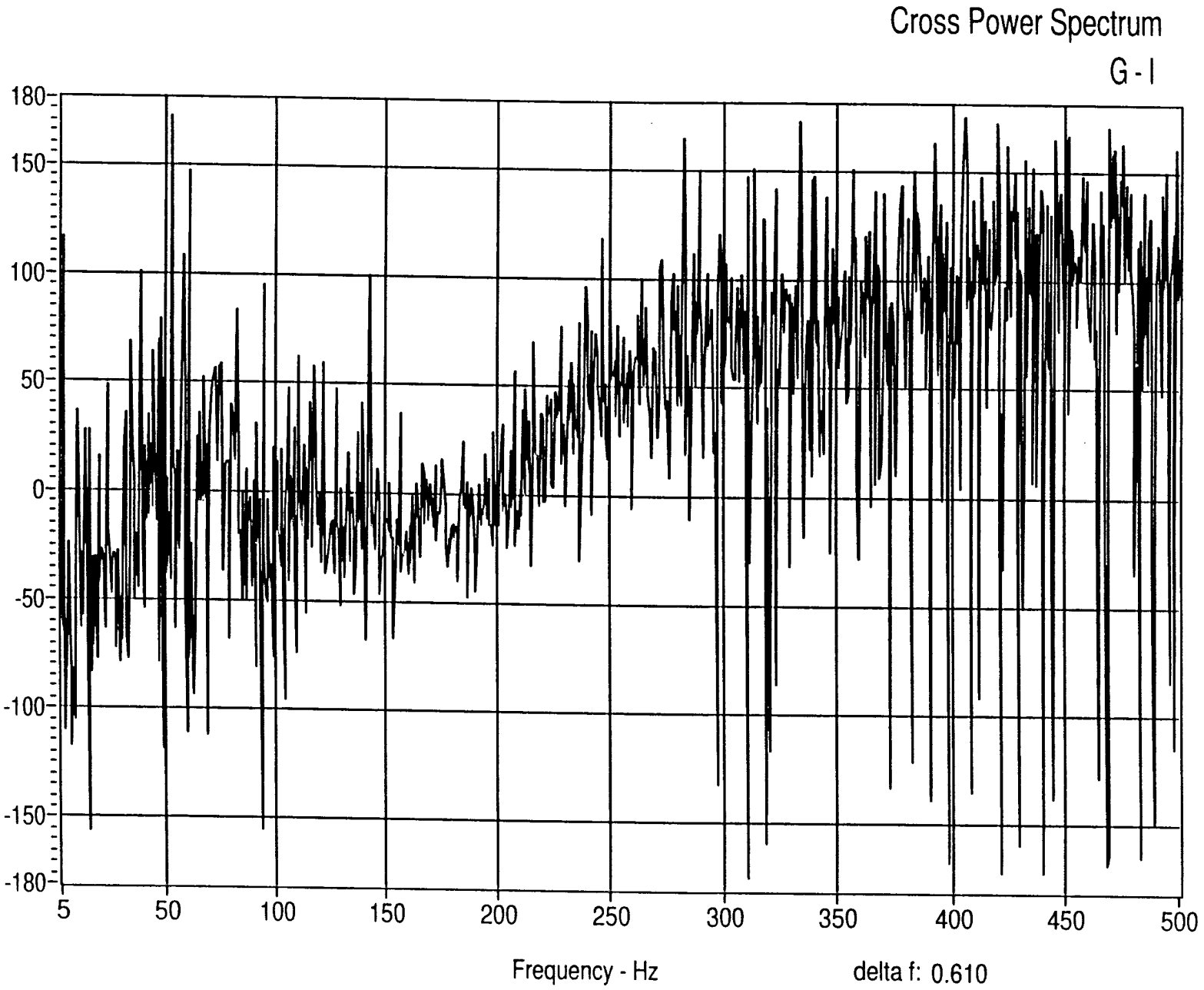


068

F-15 TPN_2924: alpha=20 beta=4 bp=0

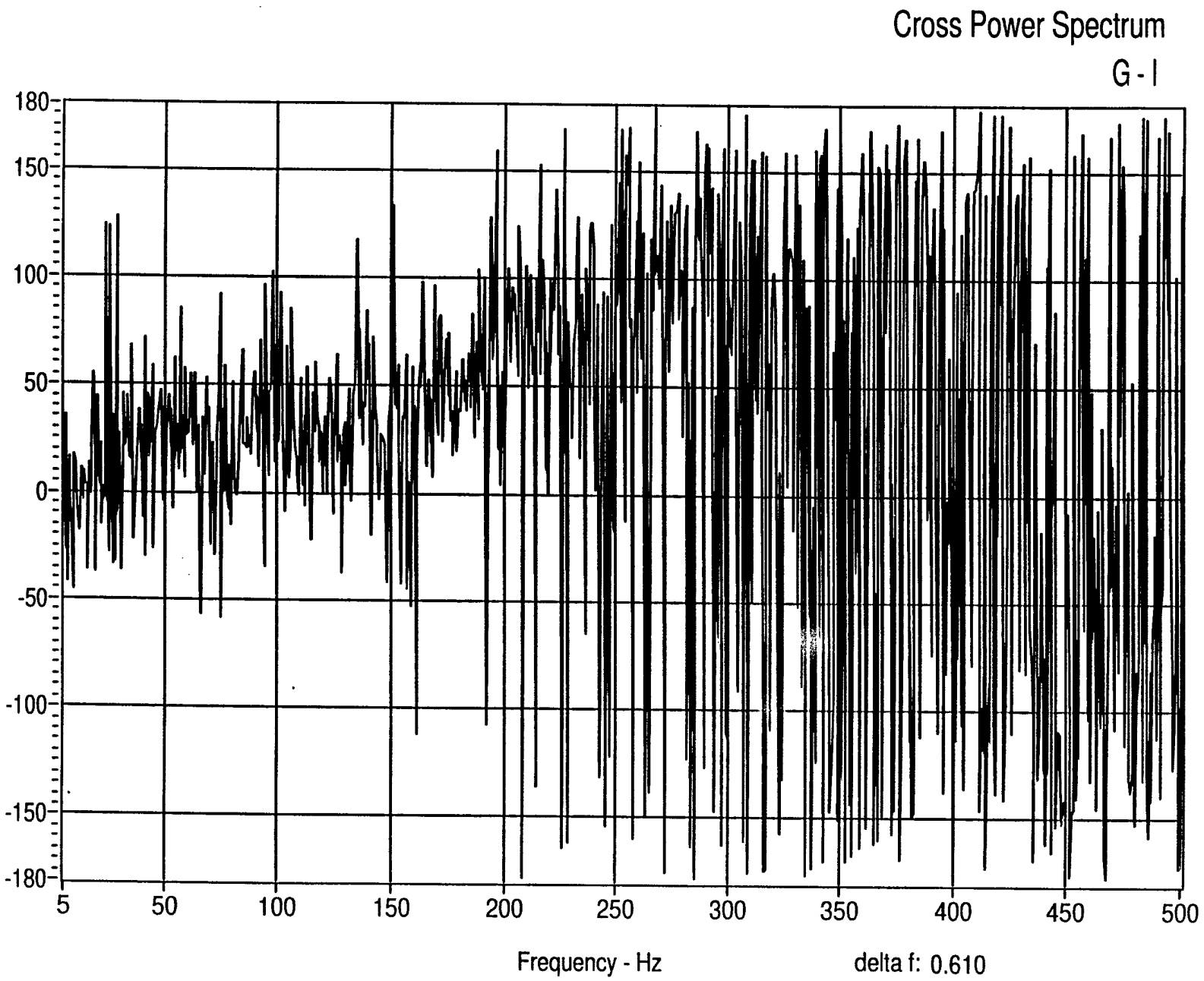


F-15 TPN_2926: alpha=24 beta=4 bp=0



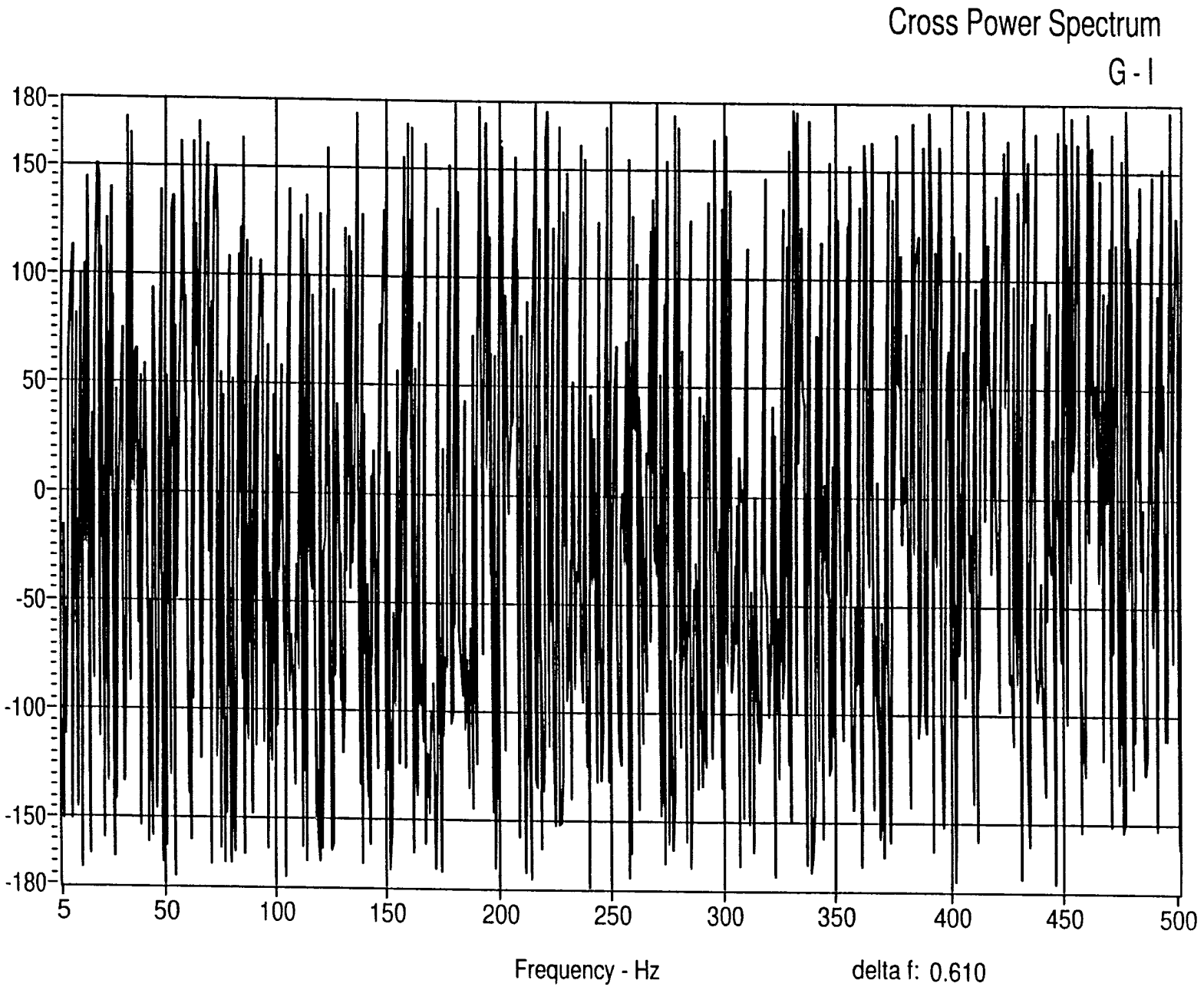
892

F-15 TPN_2928: alpha=32 beta=4 bp=0

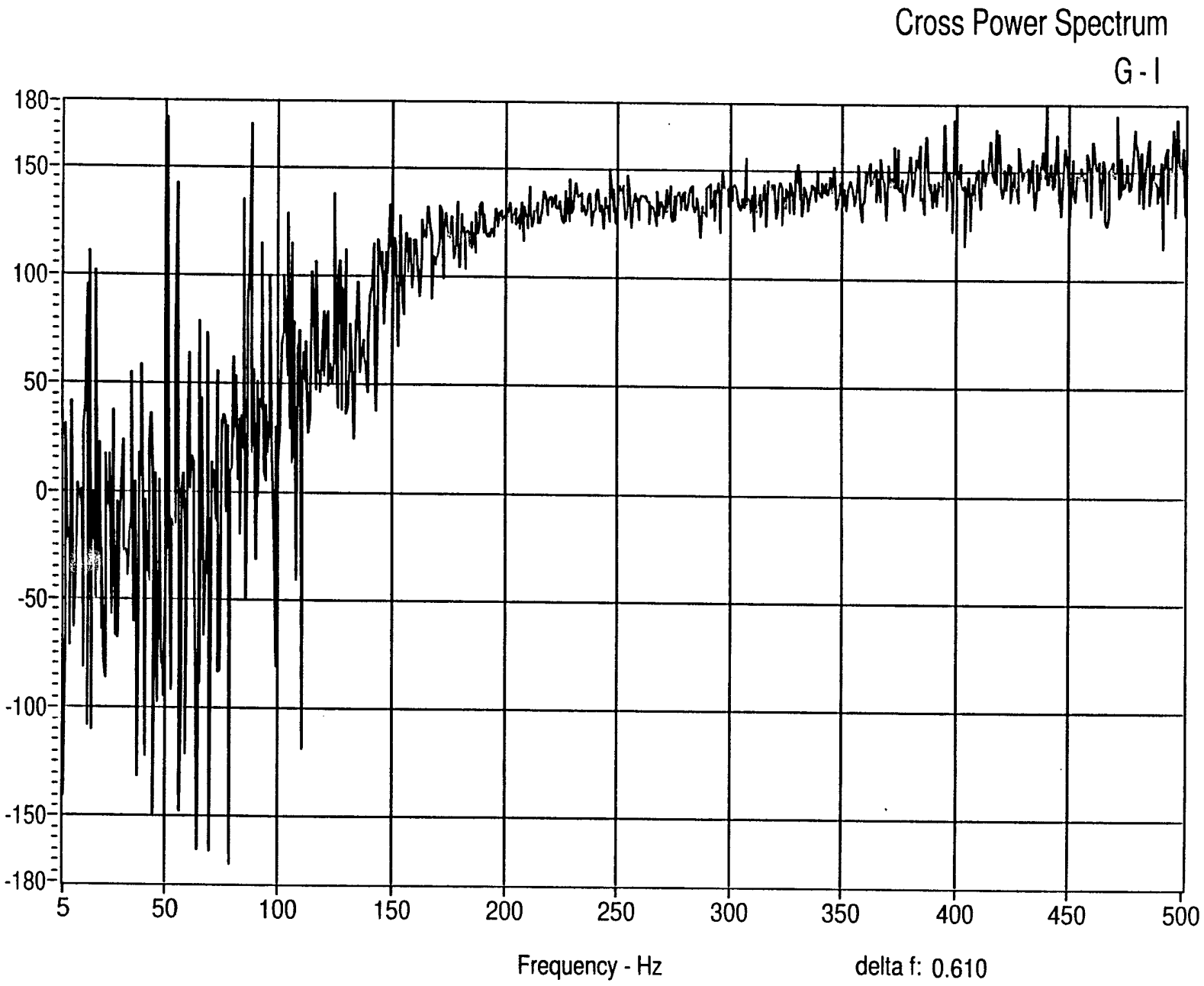


893

F-15 TPN_2844: alpha=8 beta=0 bp=0

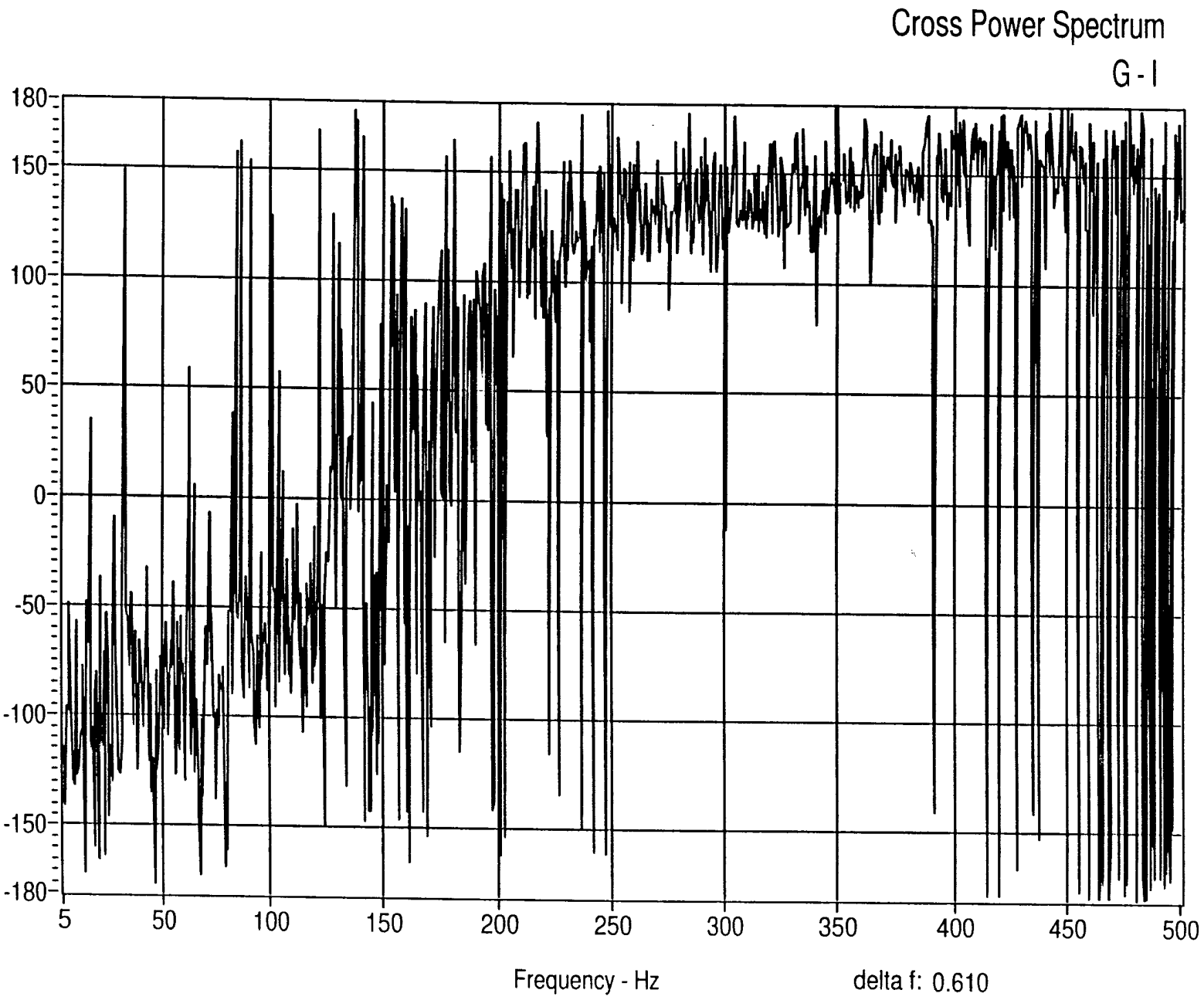


F-15 TPN_2850: alpha=20 beta=0 bp=0



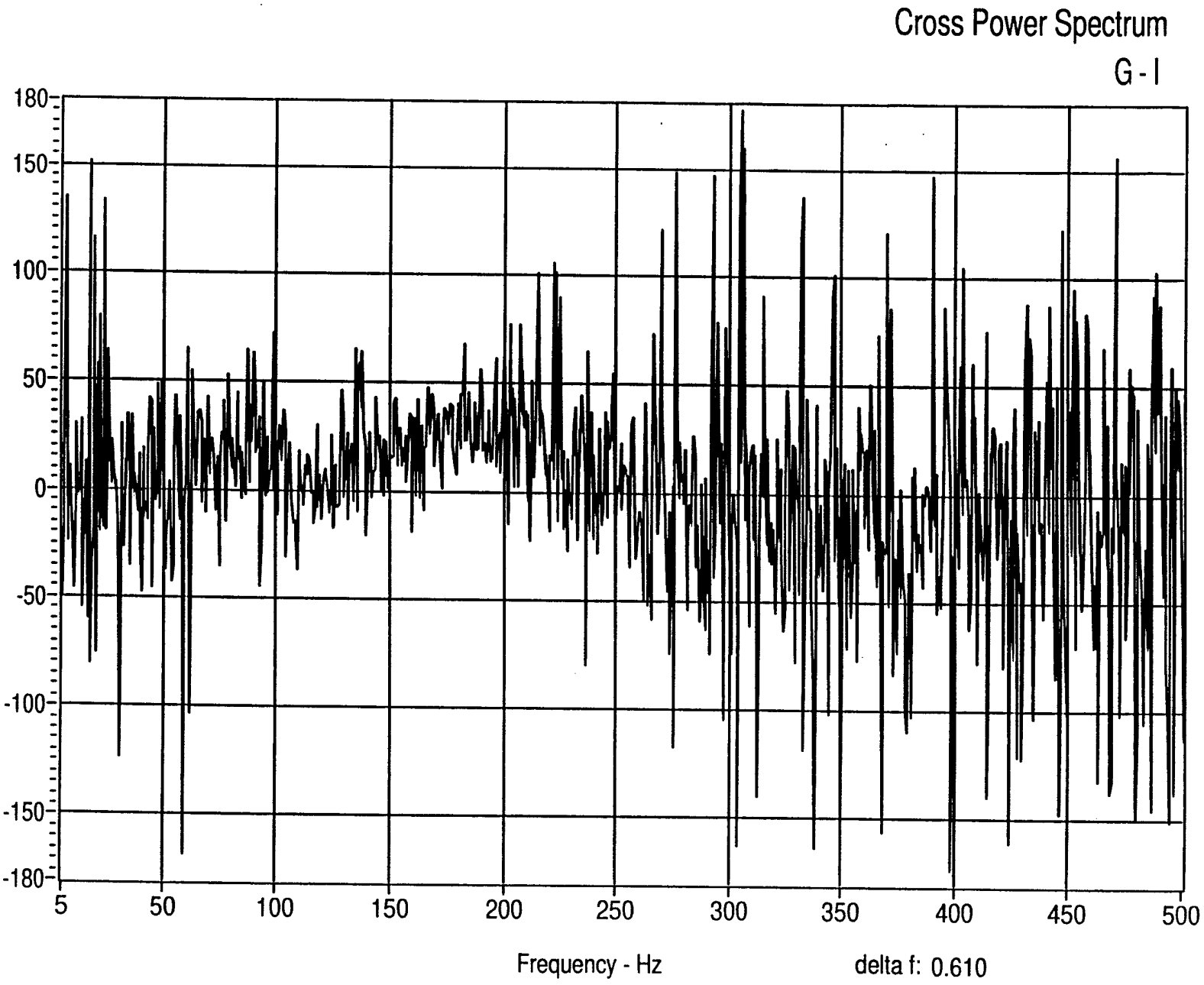
895

F-15 TPN_2852: alpha=24 beta=0 bp=0



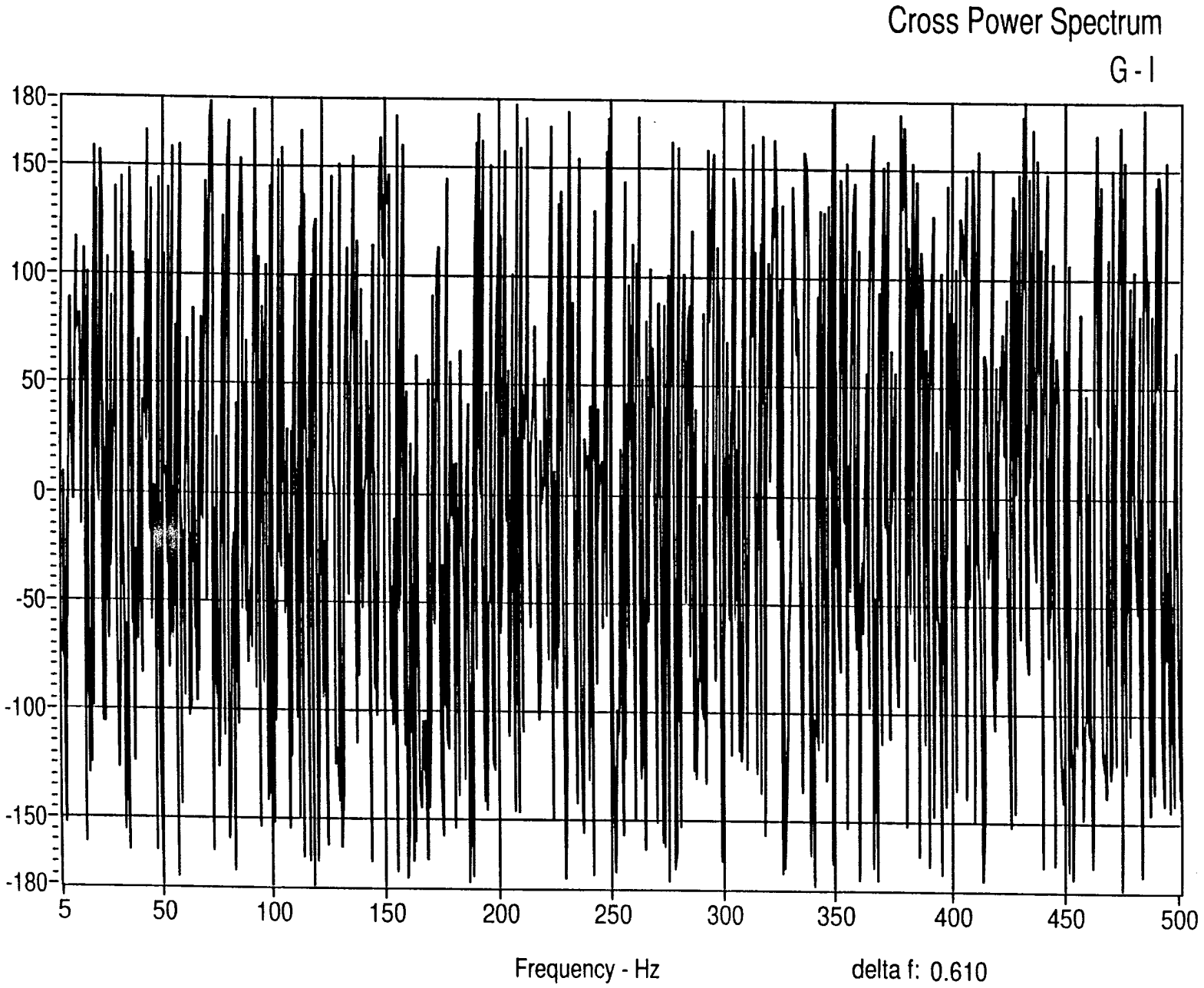
968

F-15 TPN_2854: alpha=32 beta=0 bp=0



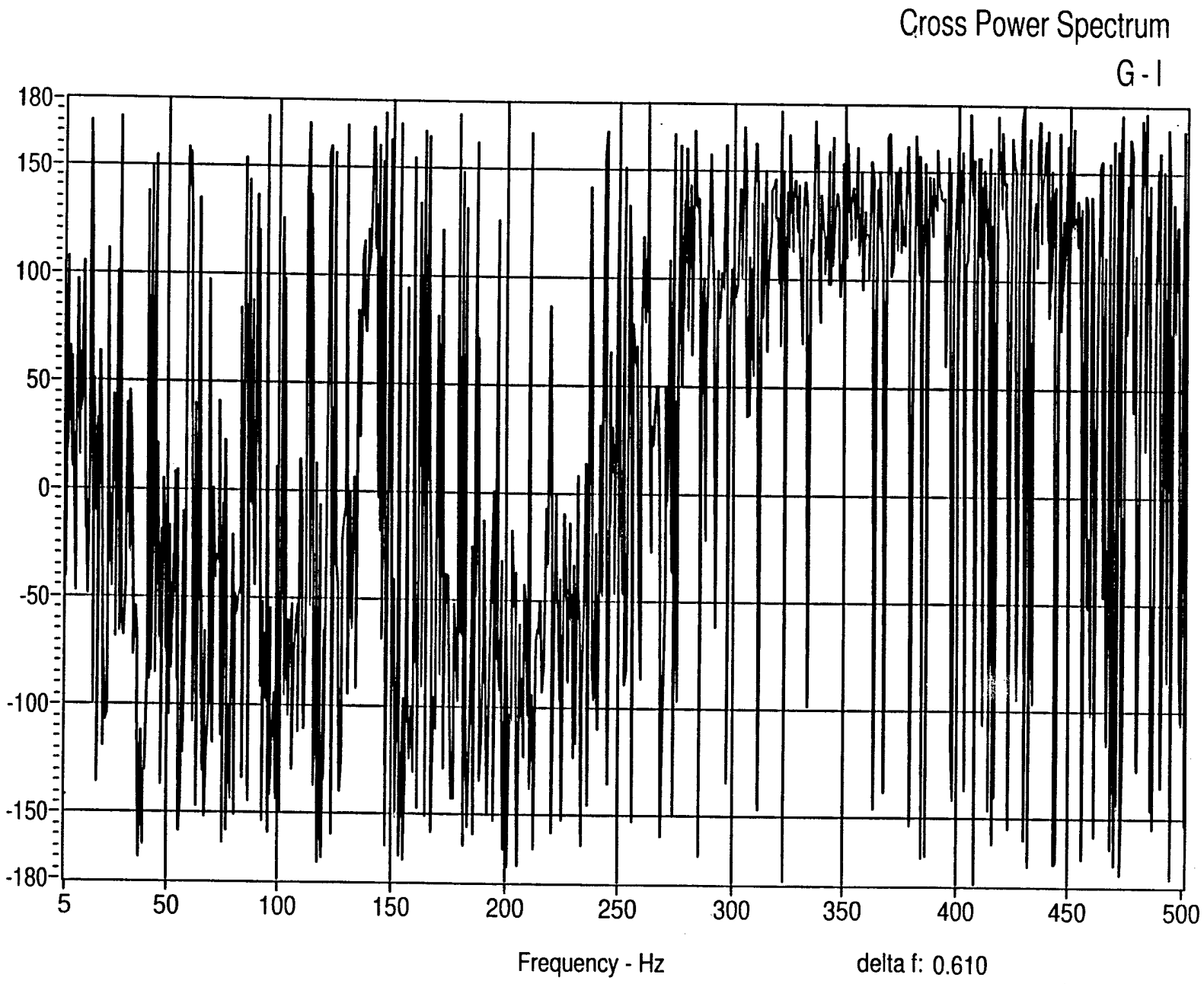
897

F-15 TPN_2864: alpha=8 beta=-4 bp=0



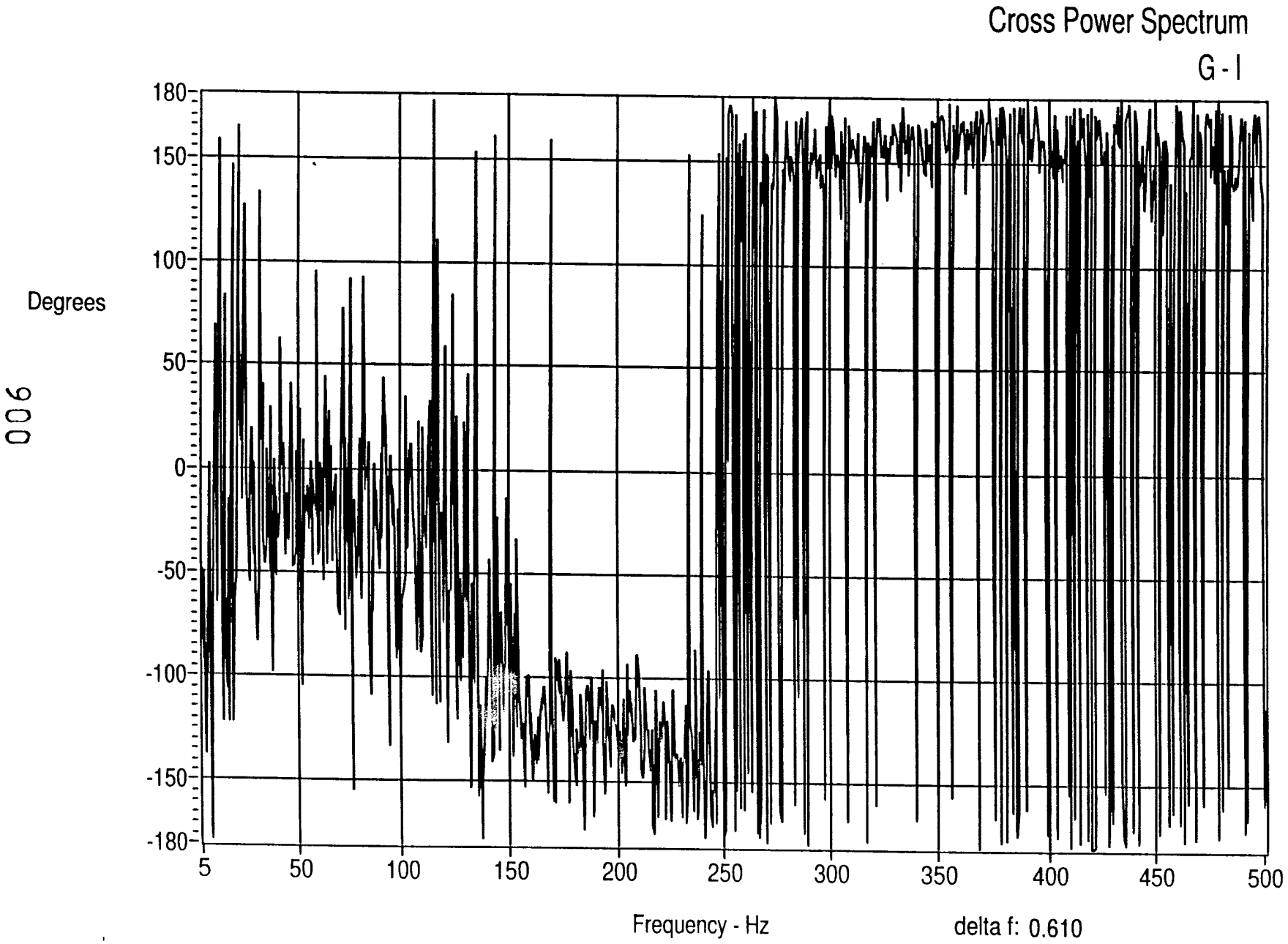
898

F-15 TPN_2870: alpha=20 beta=-4 bp=0



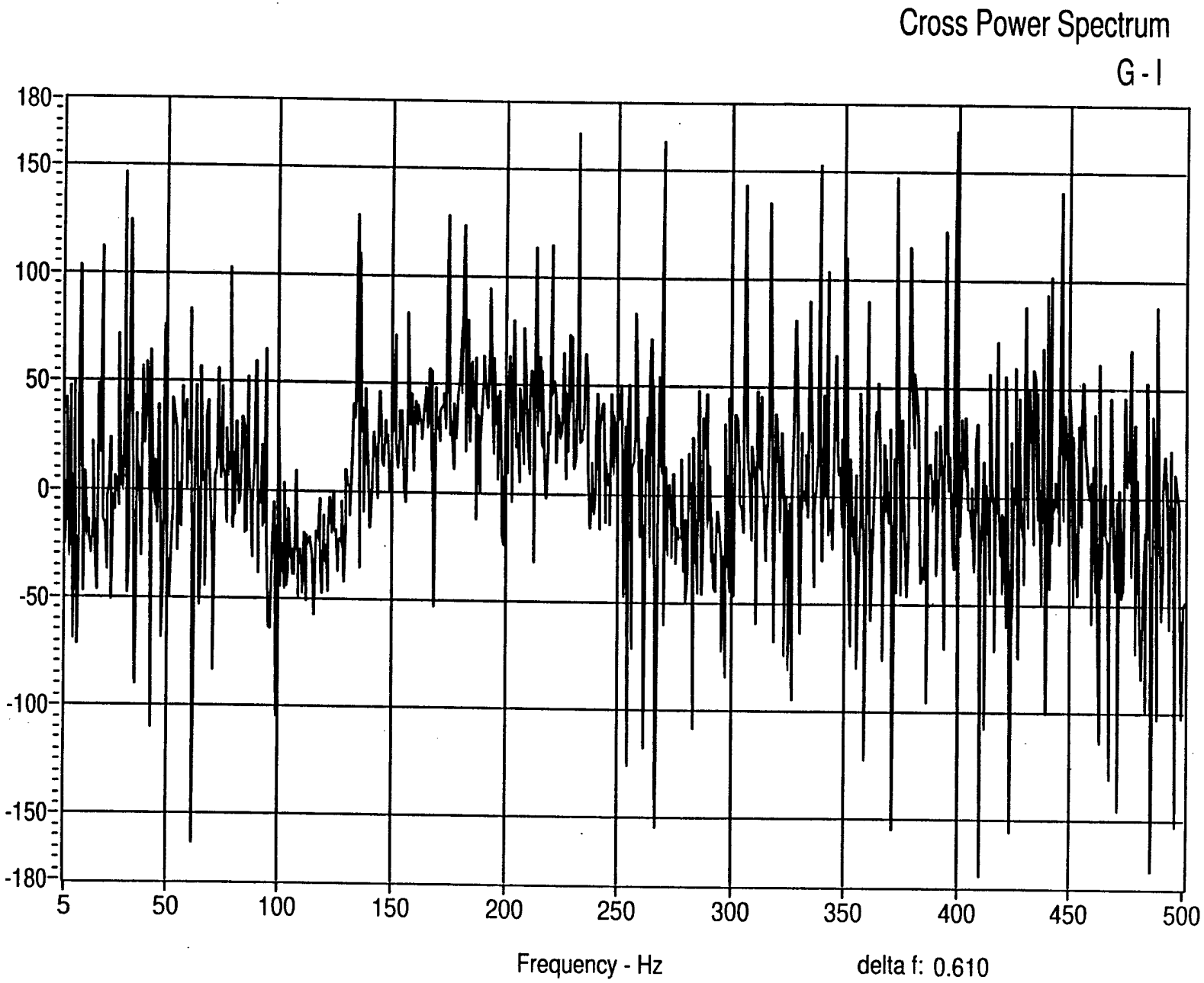
668

F-15 TPN_2872: alpha=24 beta=-4 bp=0



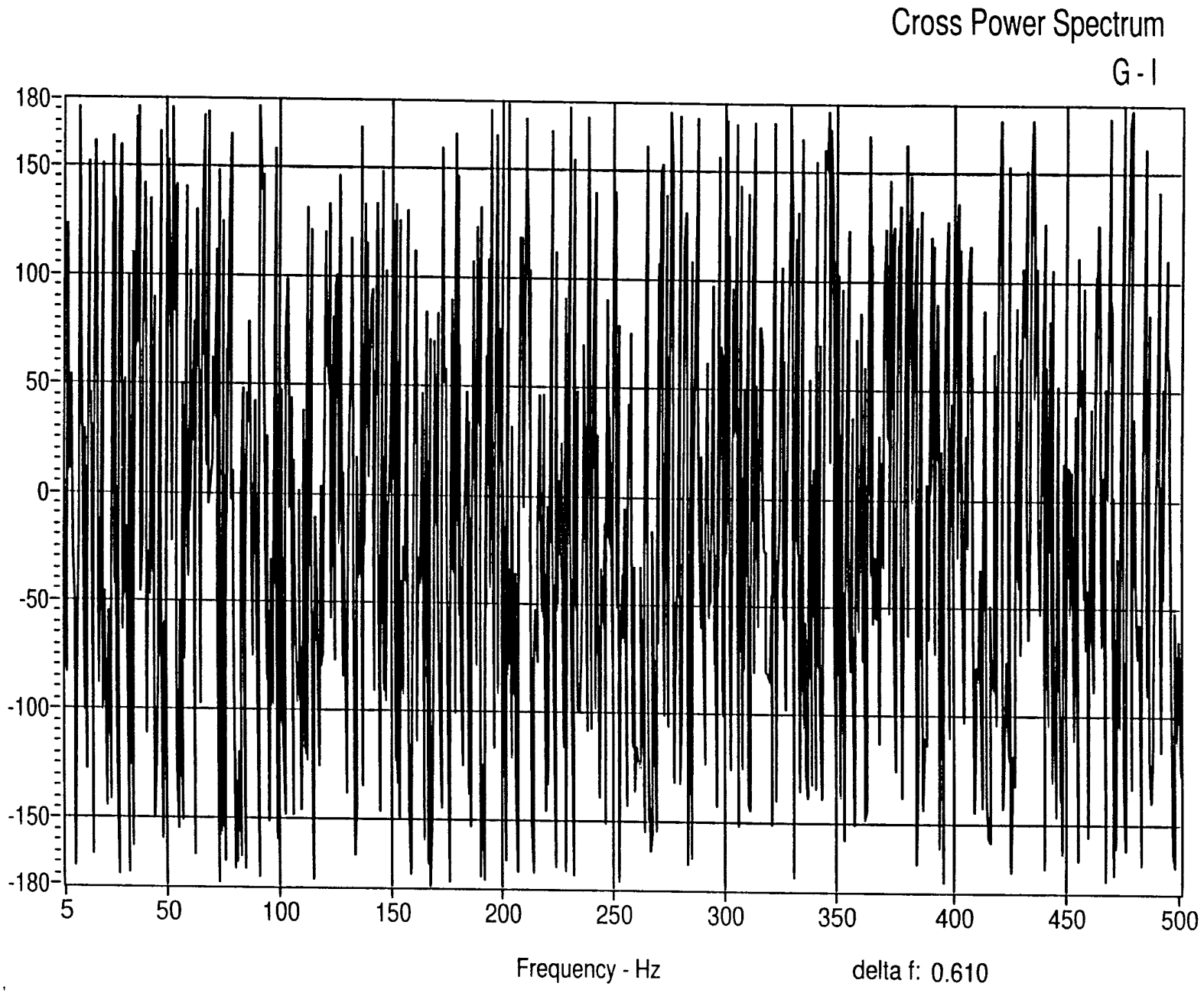
006

F-15 TPN_2874: alpha=32 beta=-4 bp=0

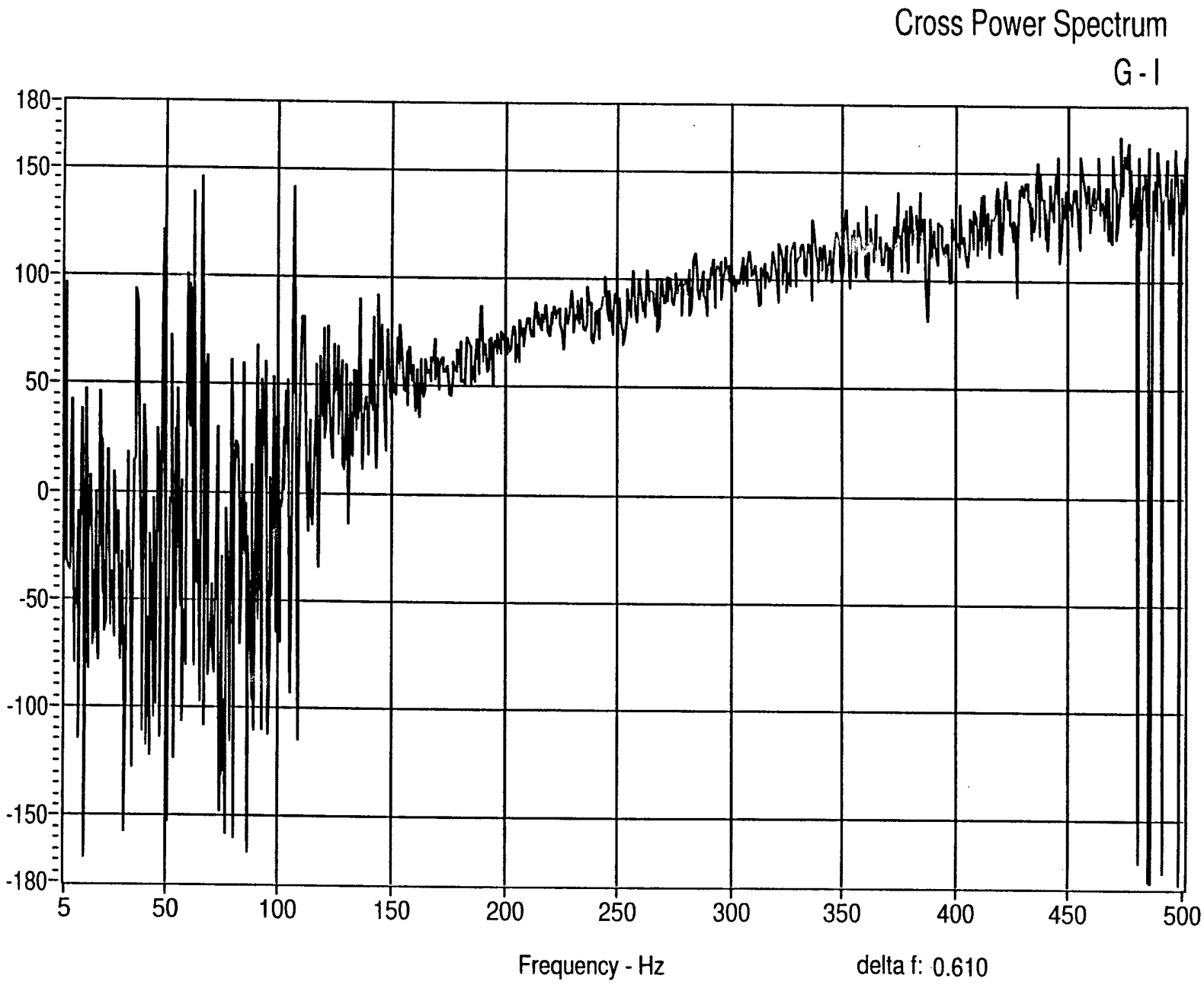


901

F-15 TPN_3351: alpha=8 beta=4 bp=45

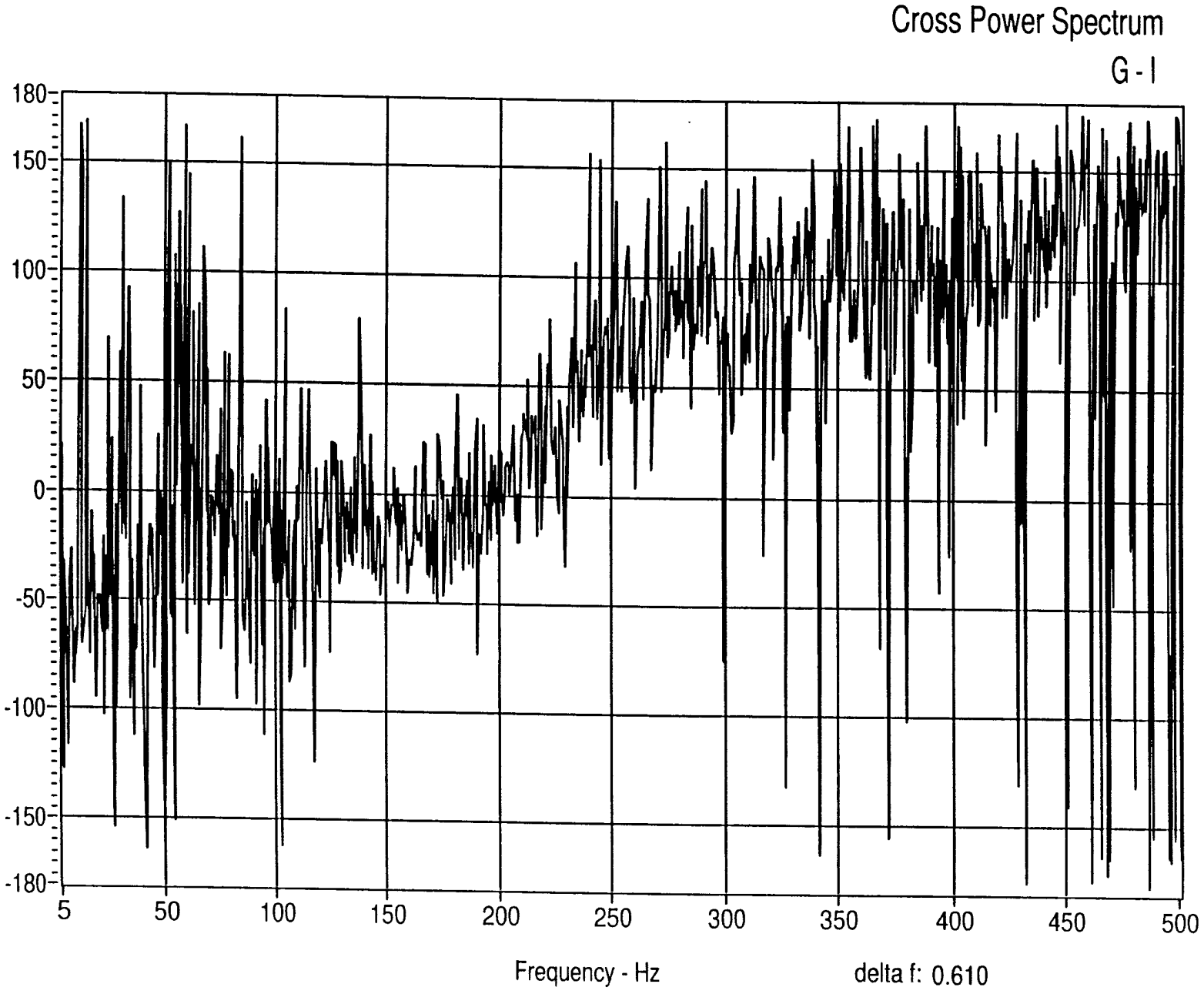


F-15 TPN_3357: alpha=20 beta=4 bp=45

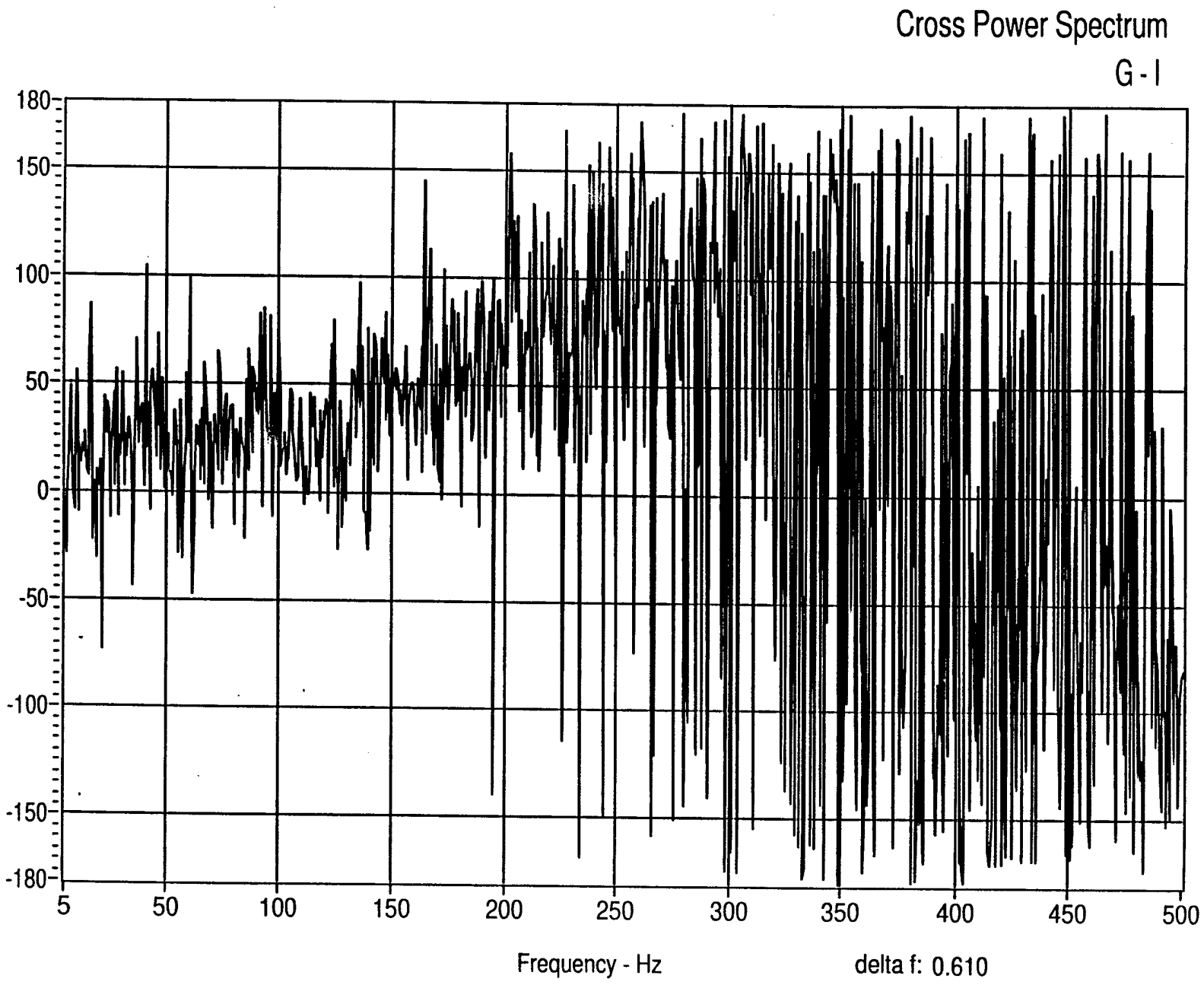


903

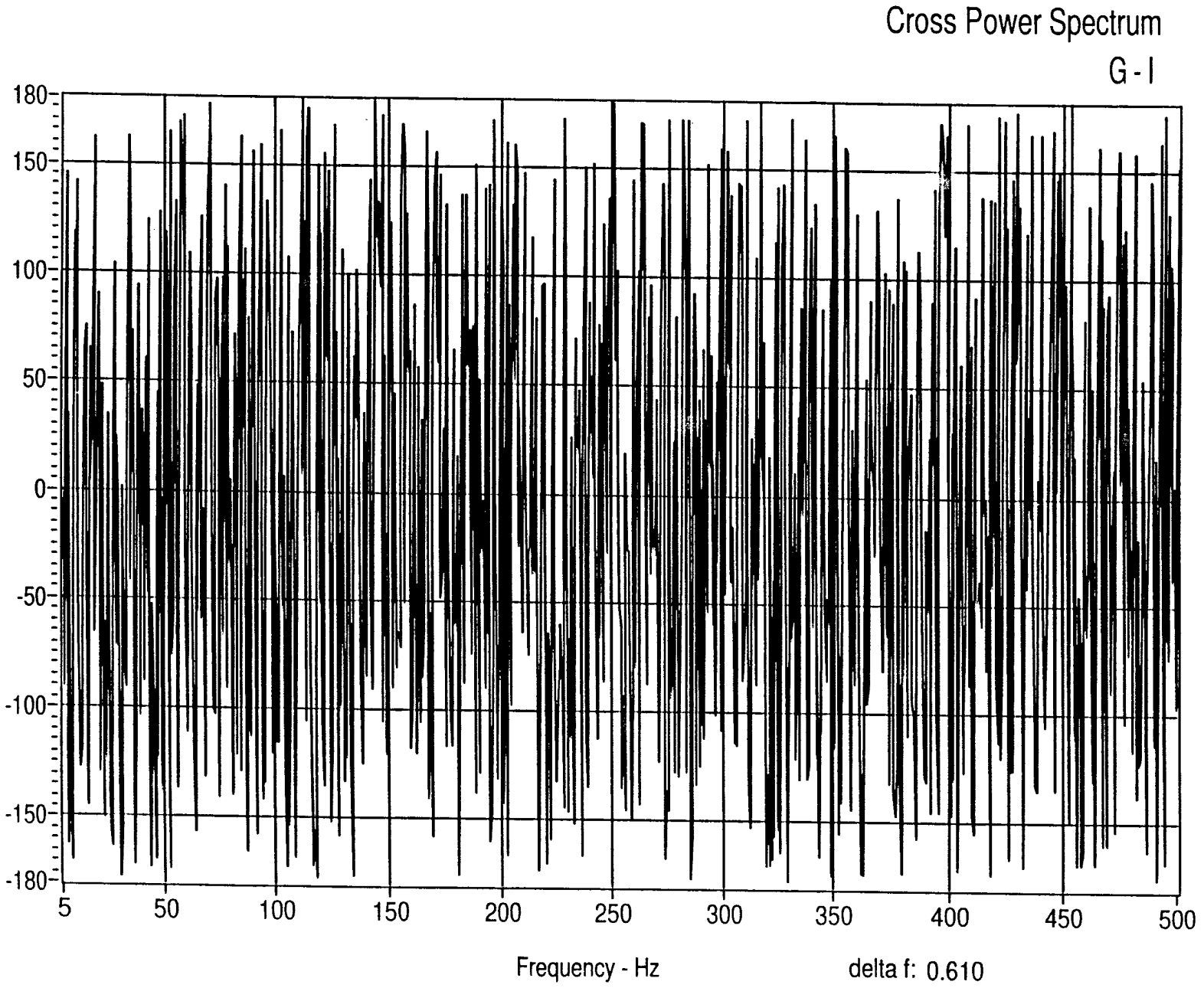
F-15 TPN_3359: alpha=24 beta=4 bp=45



F-15 TPN_3361: alpha=32 beta=4 bp=45

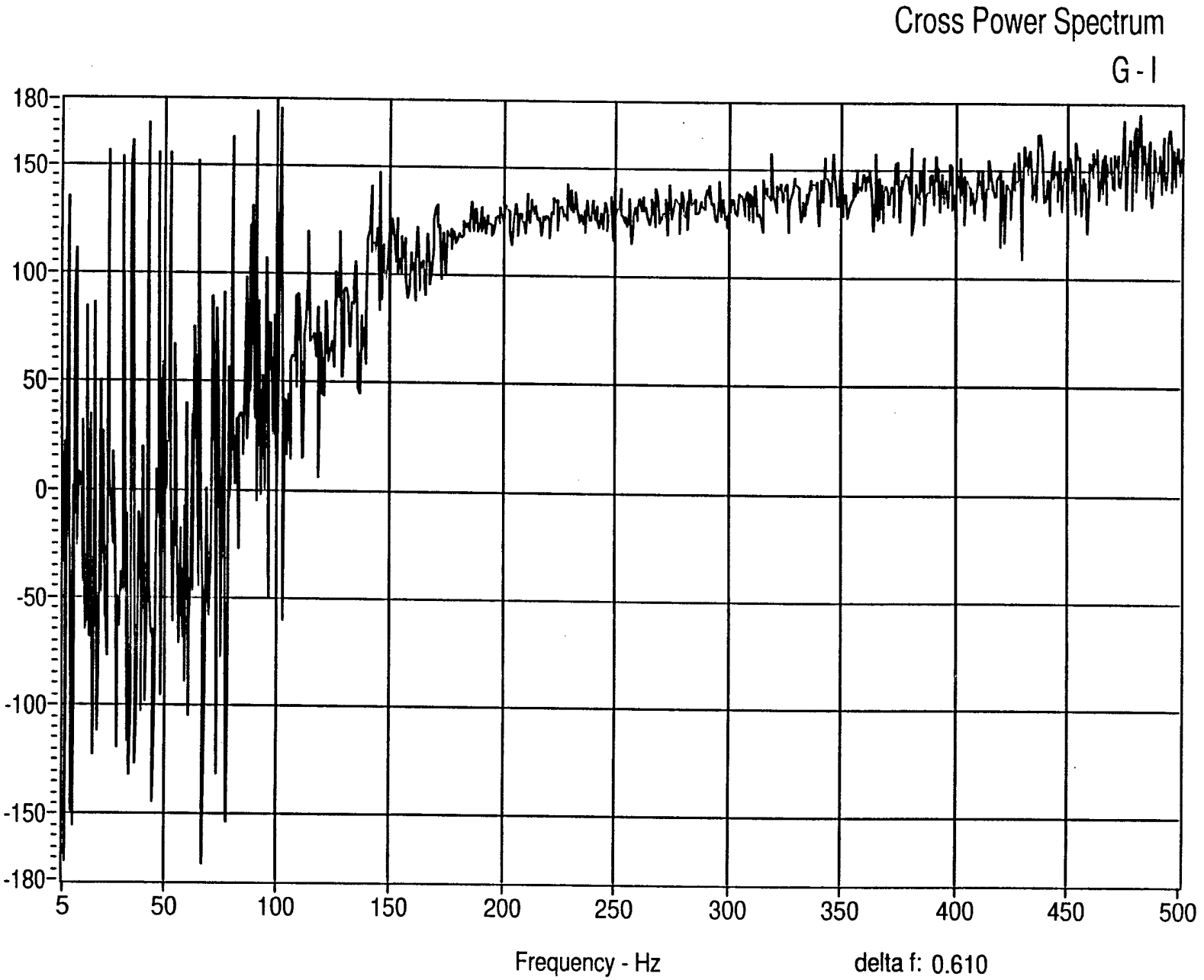


F-15 TPN_3333: alpha=8 beta=0 bp=45



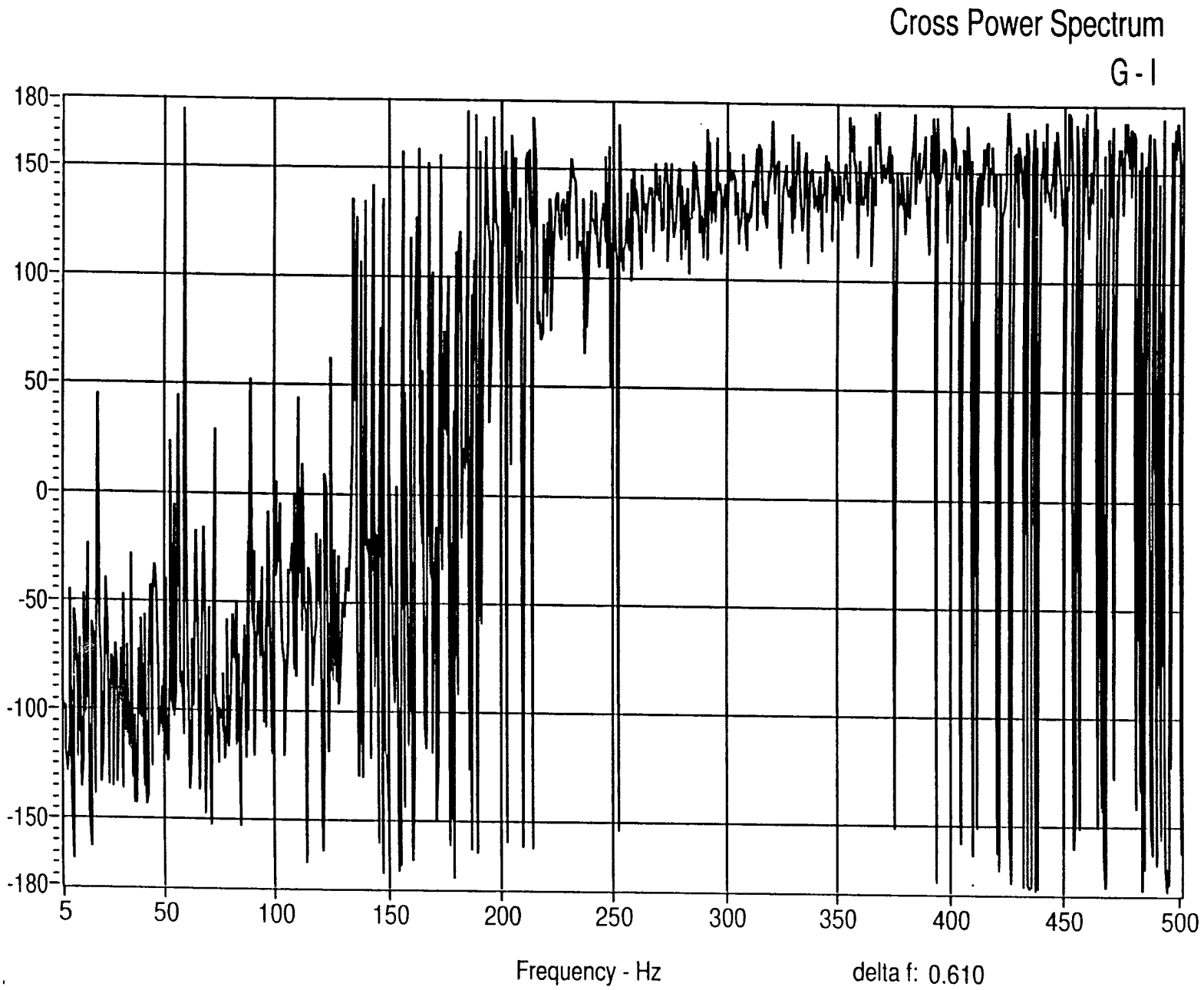
906

F-15 TPN_3339: alpha=20 beta=0 bp=45

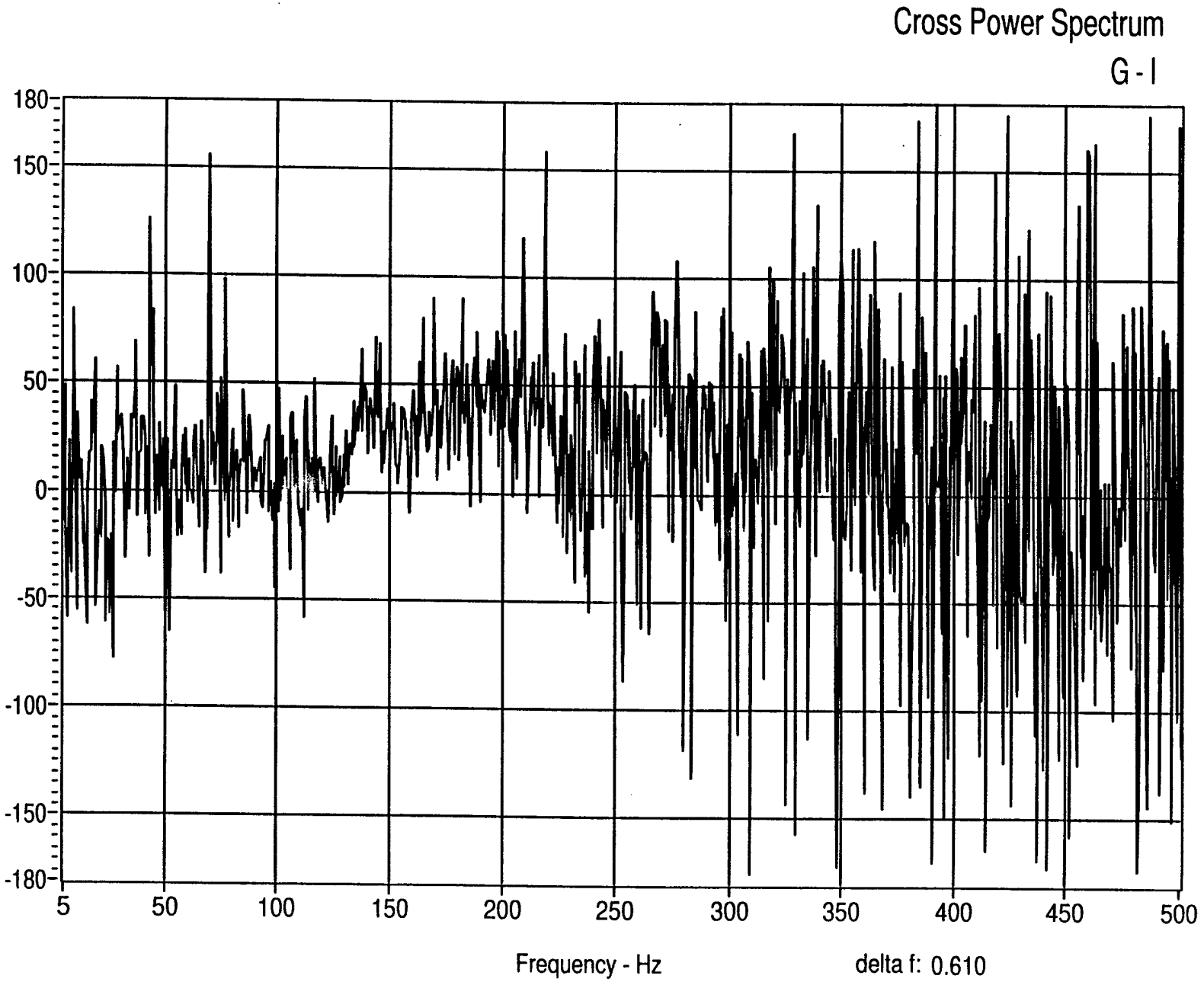


907

F-15 TPN_3341: alpha=24 beta=0 bp=45

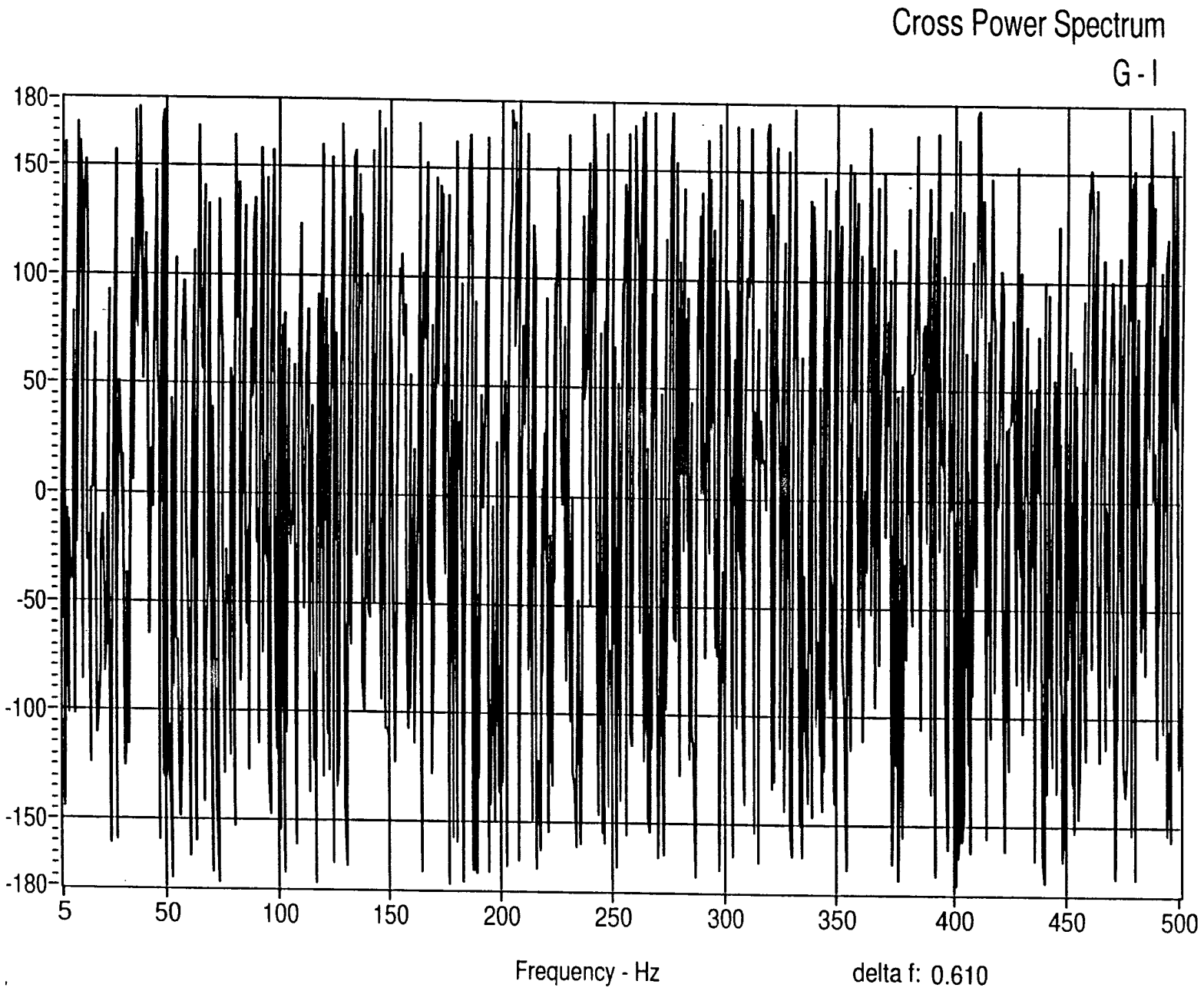


F-15 TPN_3343: alpha=32 beta=0 bp=45

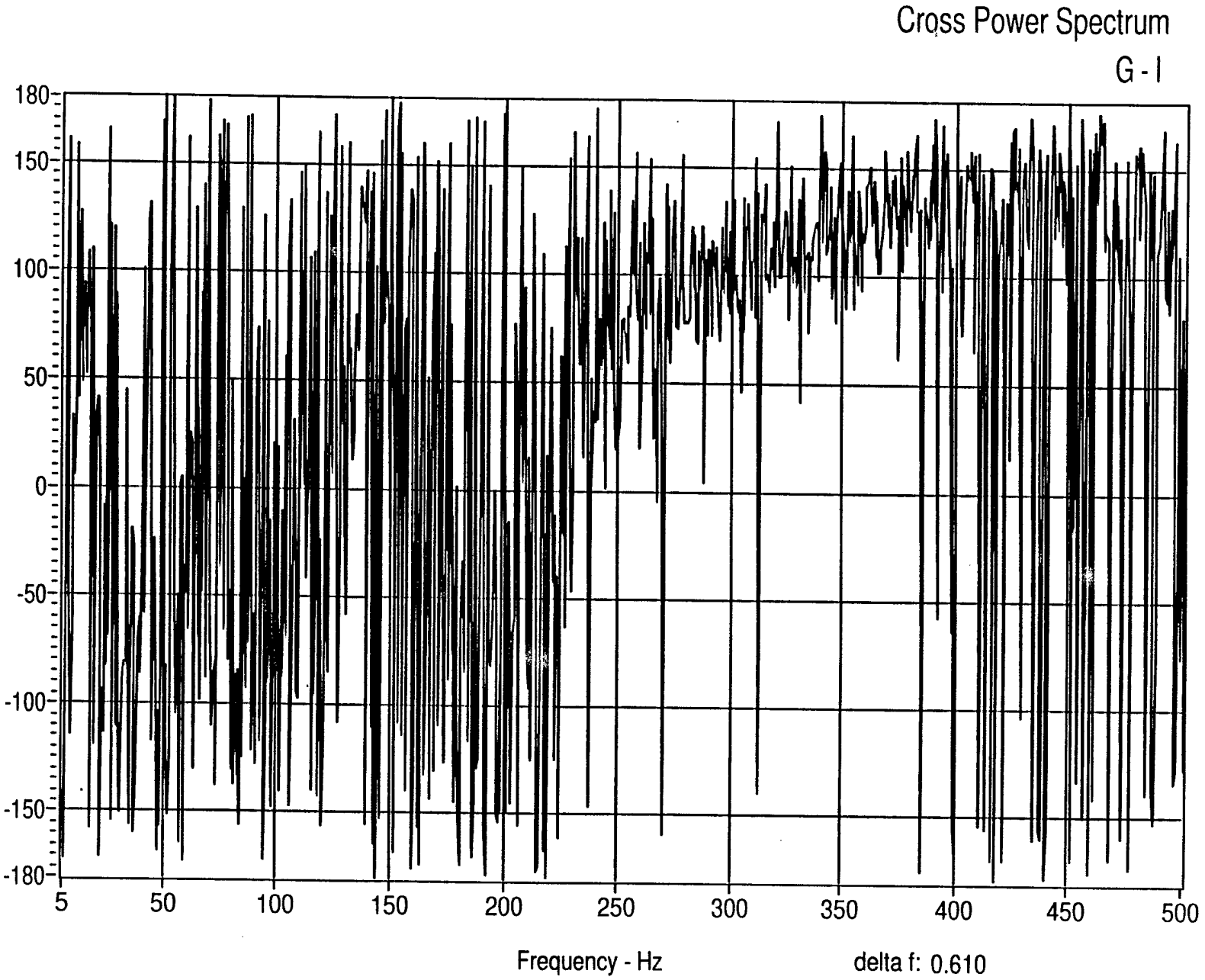


606

F-15 TPN_3369: alpha=8 beta=-4 bp=45

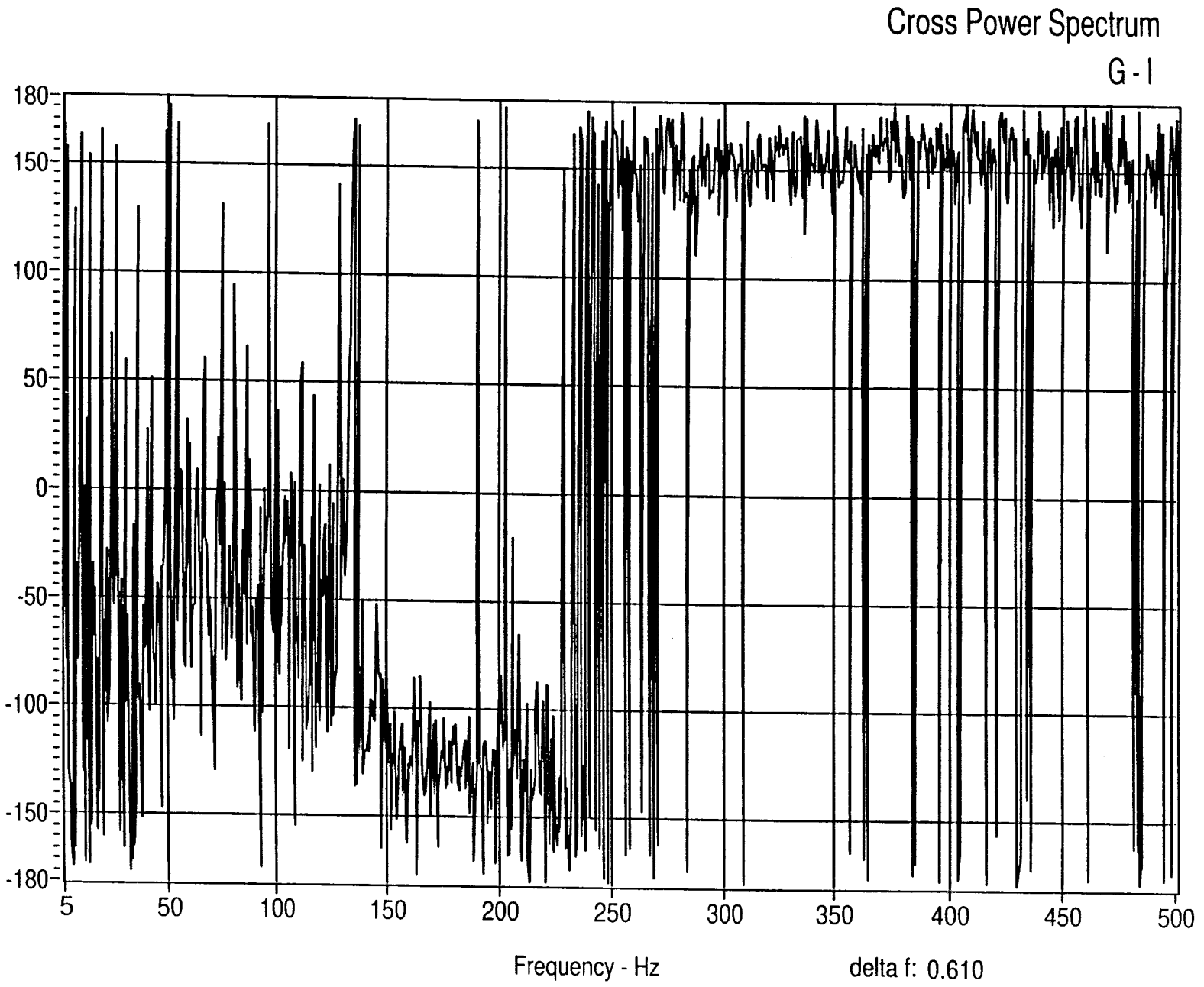


F-15 TPN_3375: alpha=20 beta=-4 bp=45



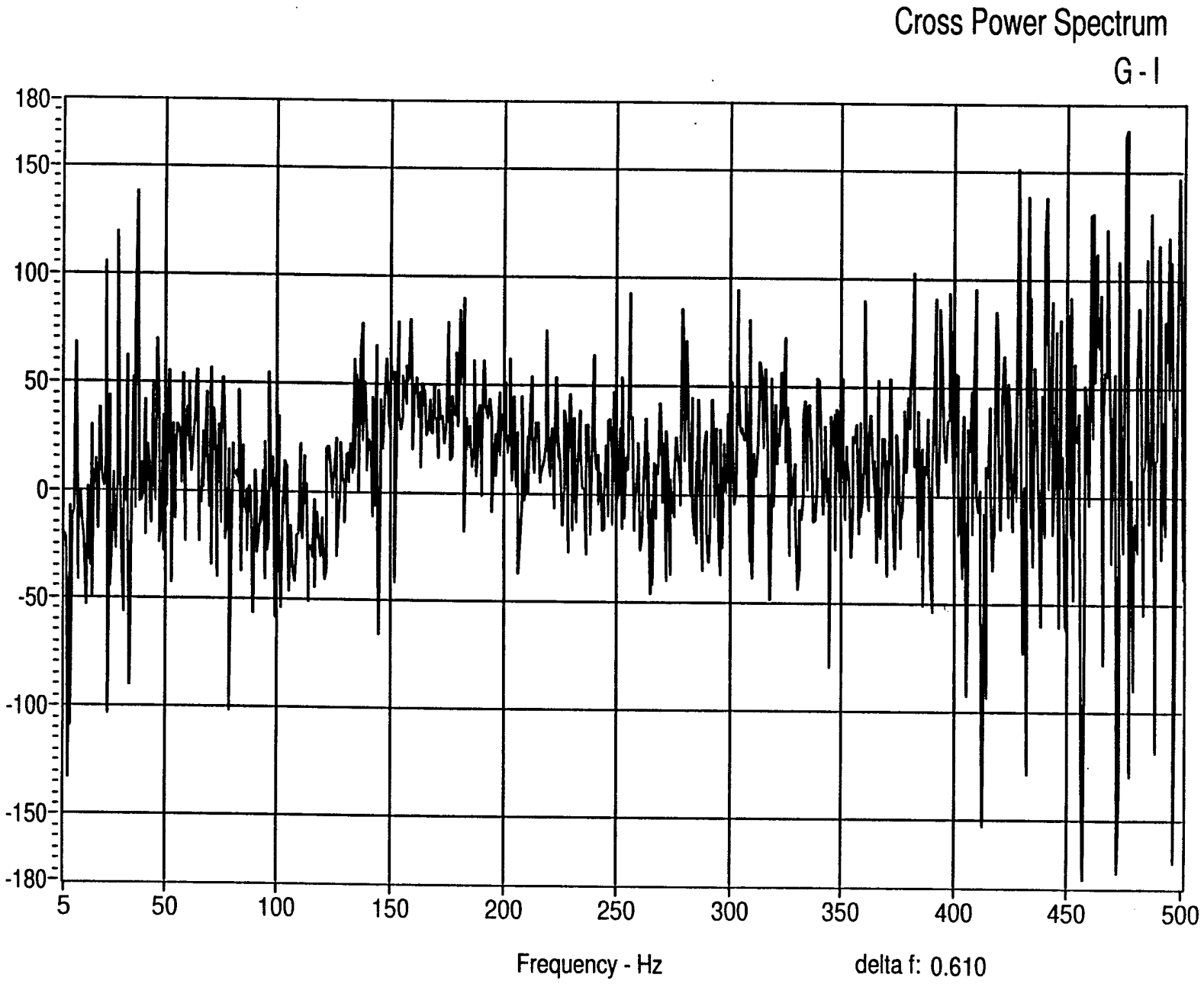
911

F-15 TPN_3377: alpha=24 beta=-4 bp=45

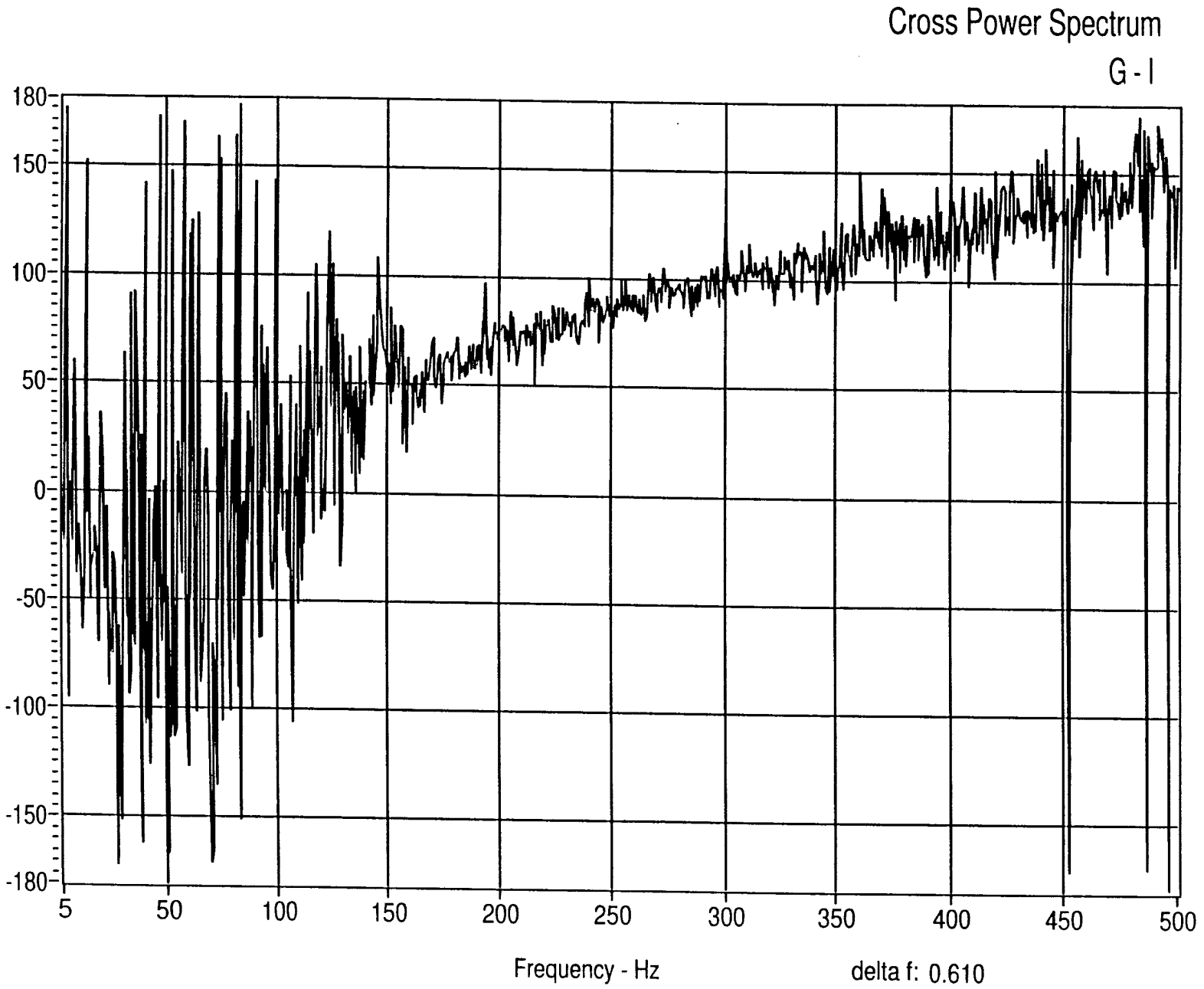


716

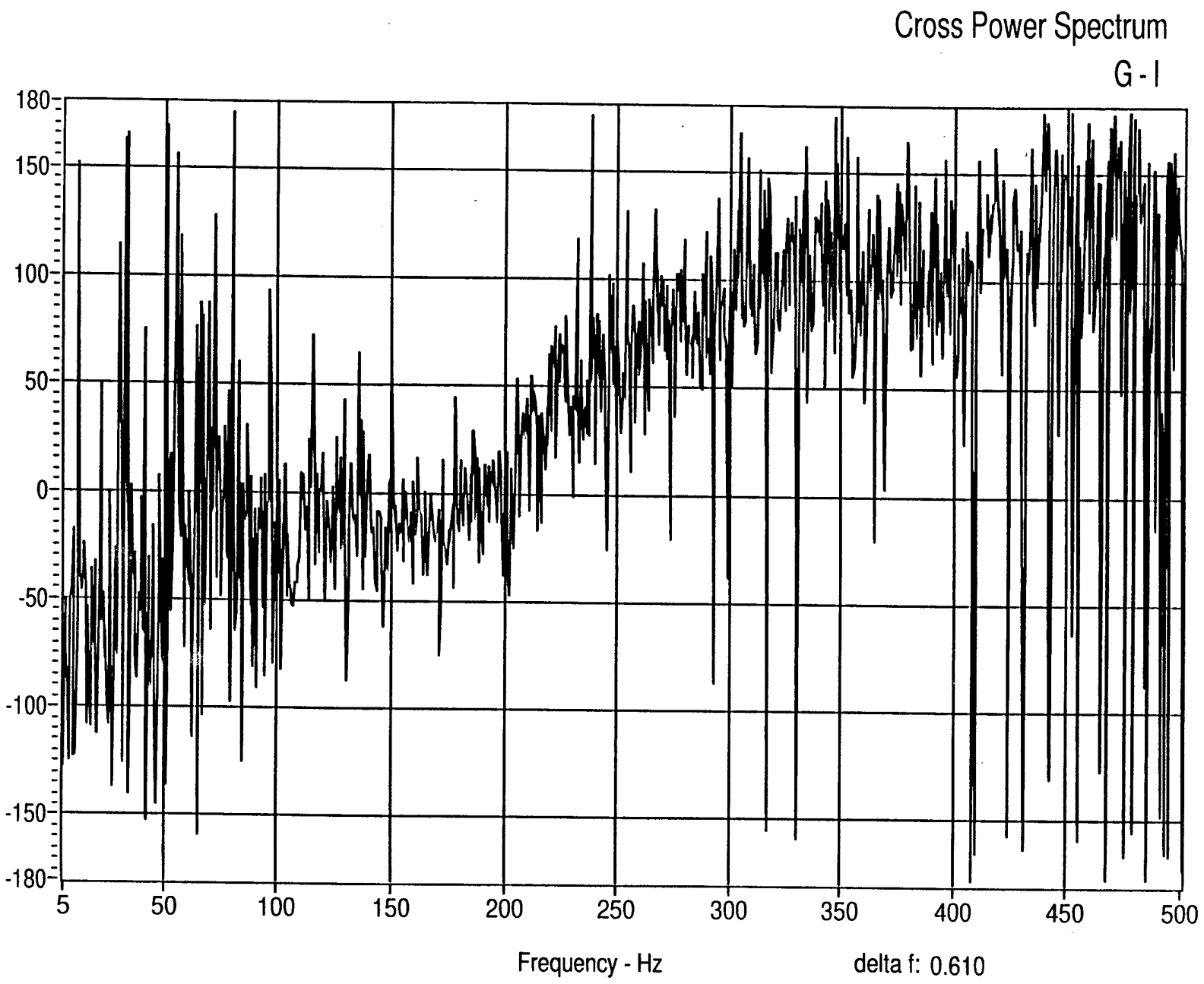
F-15 TPN_3379: alpha=32 beta=-4 bp=45



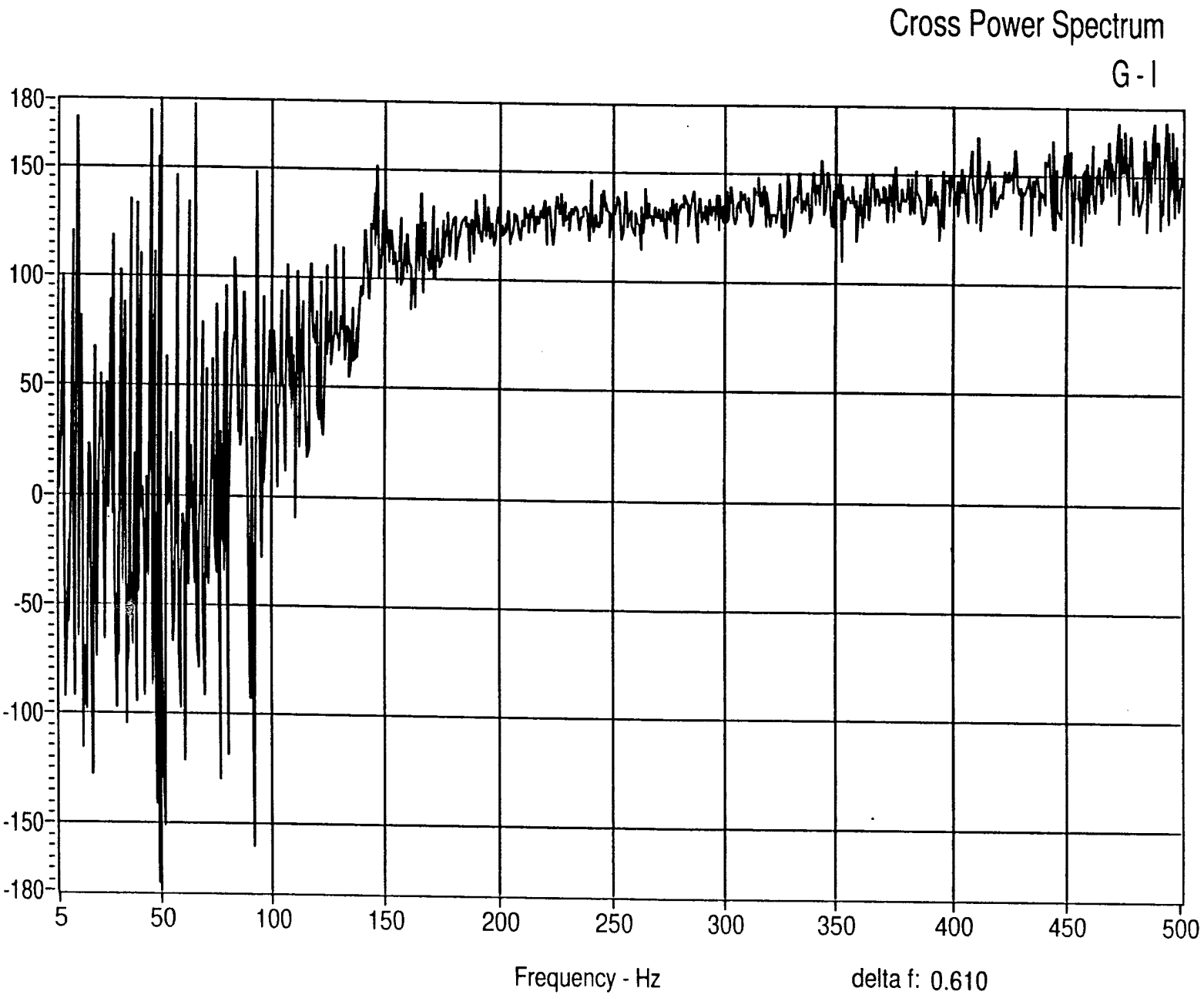
F-15 TPN_3046: alpha=20 beta=4 bp=65



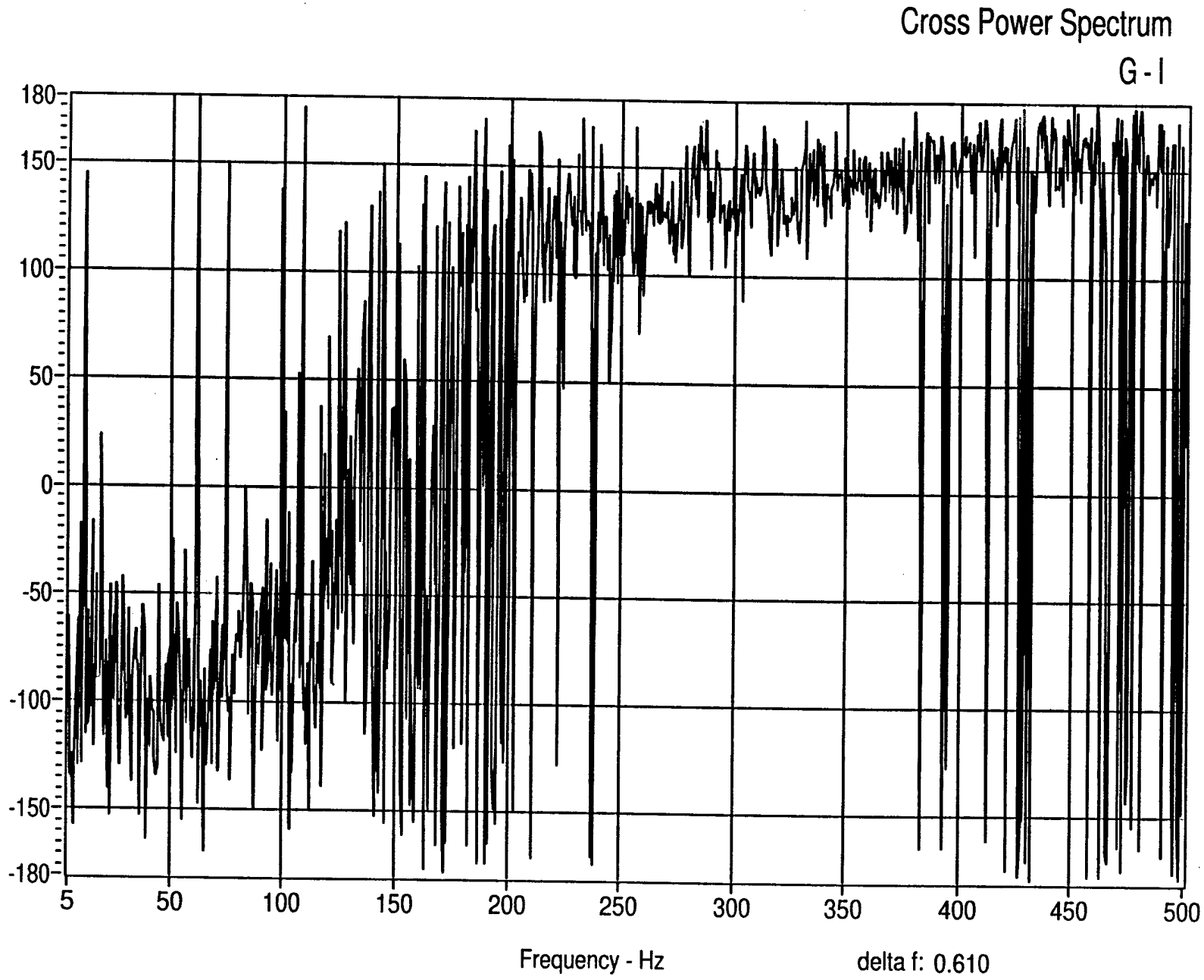
F-15 TPN_3048: alpha=24 beta=4 bp=65



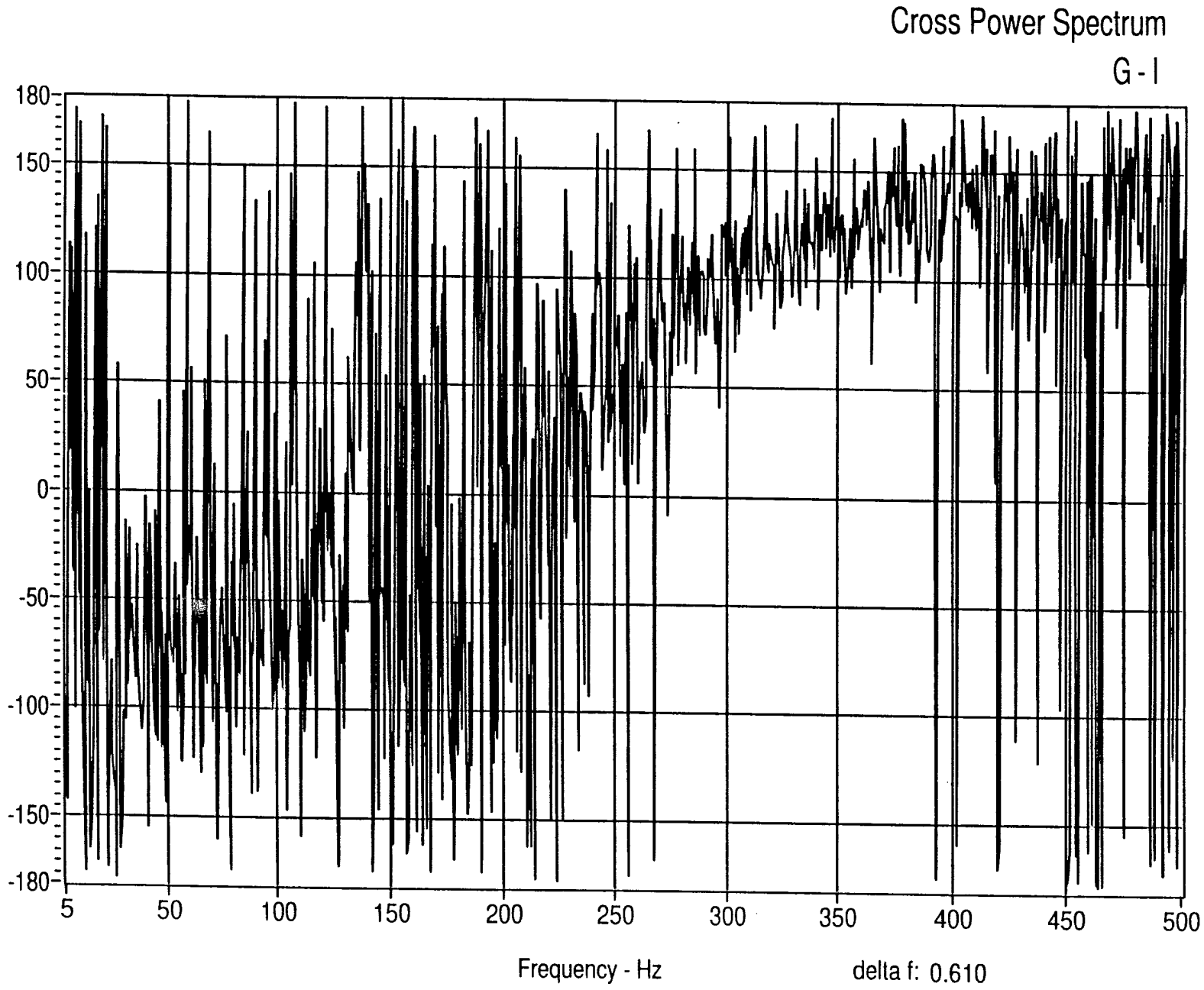
F-15 TPN_3040: alpha=20 beta=0 bp=65



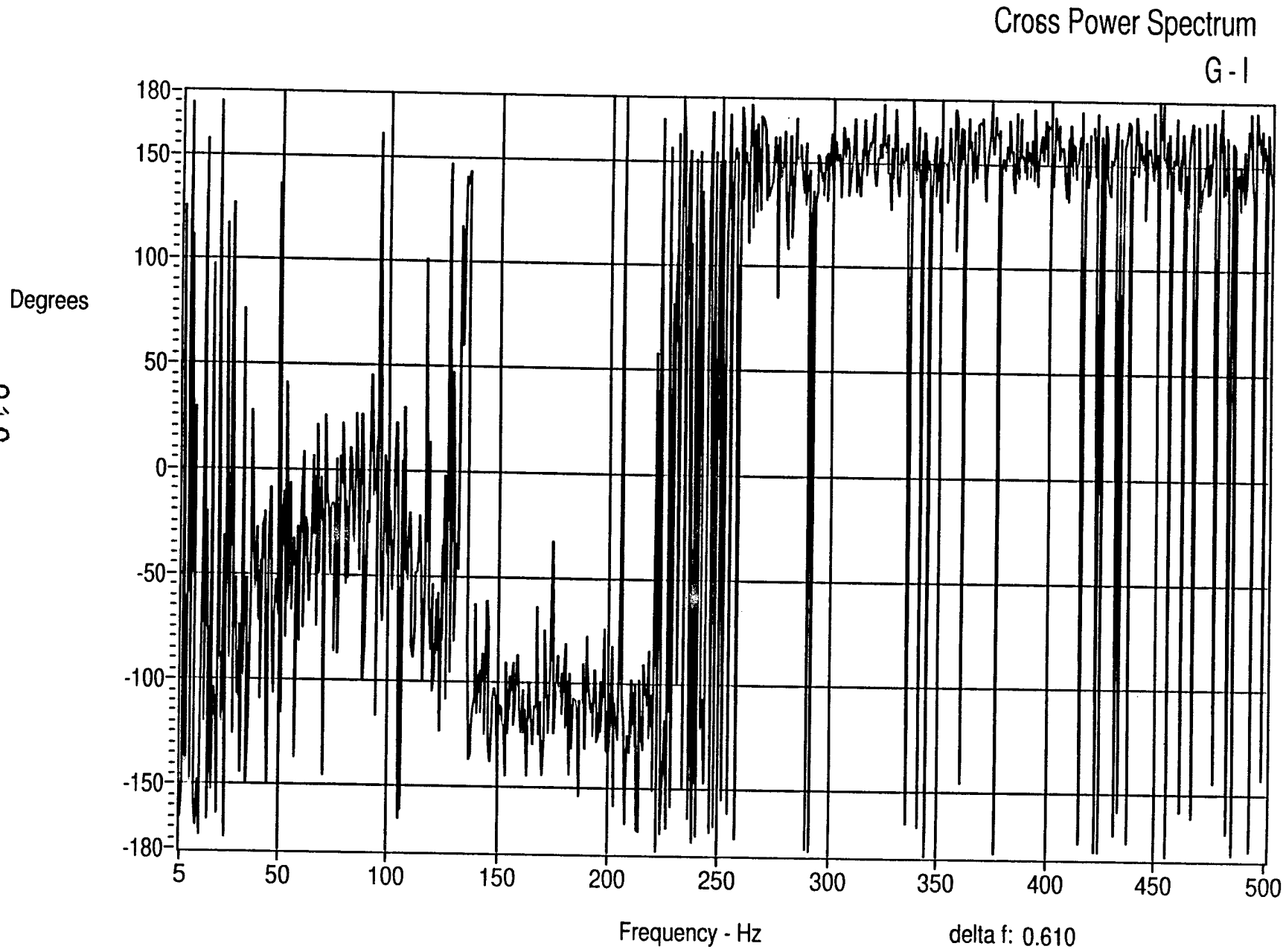
F-15 TPN_3042: alpha=24 beta=0 bp=65



F-15 TPN_3034: alpha=20 beta=-4 bp=65

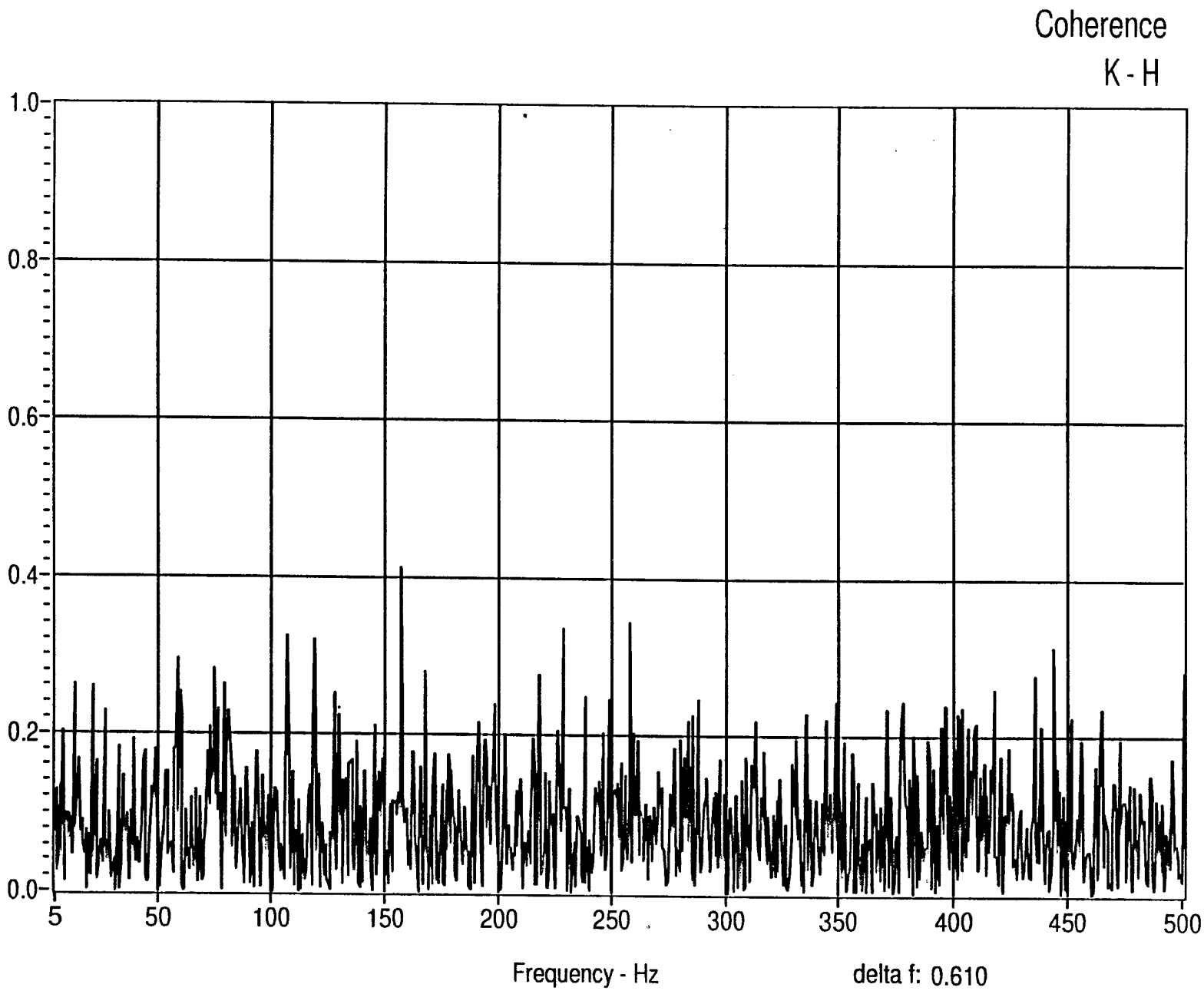


F-15 TPN_3036: alpha=24 beta=-4 bp=65

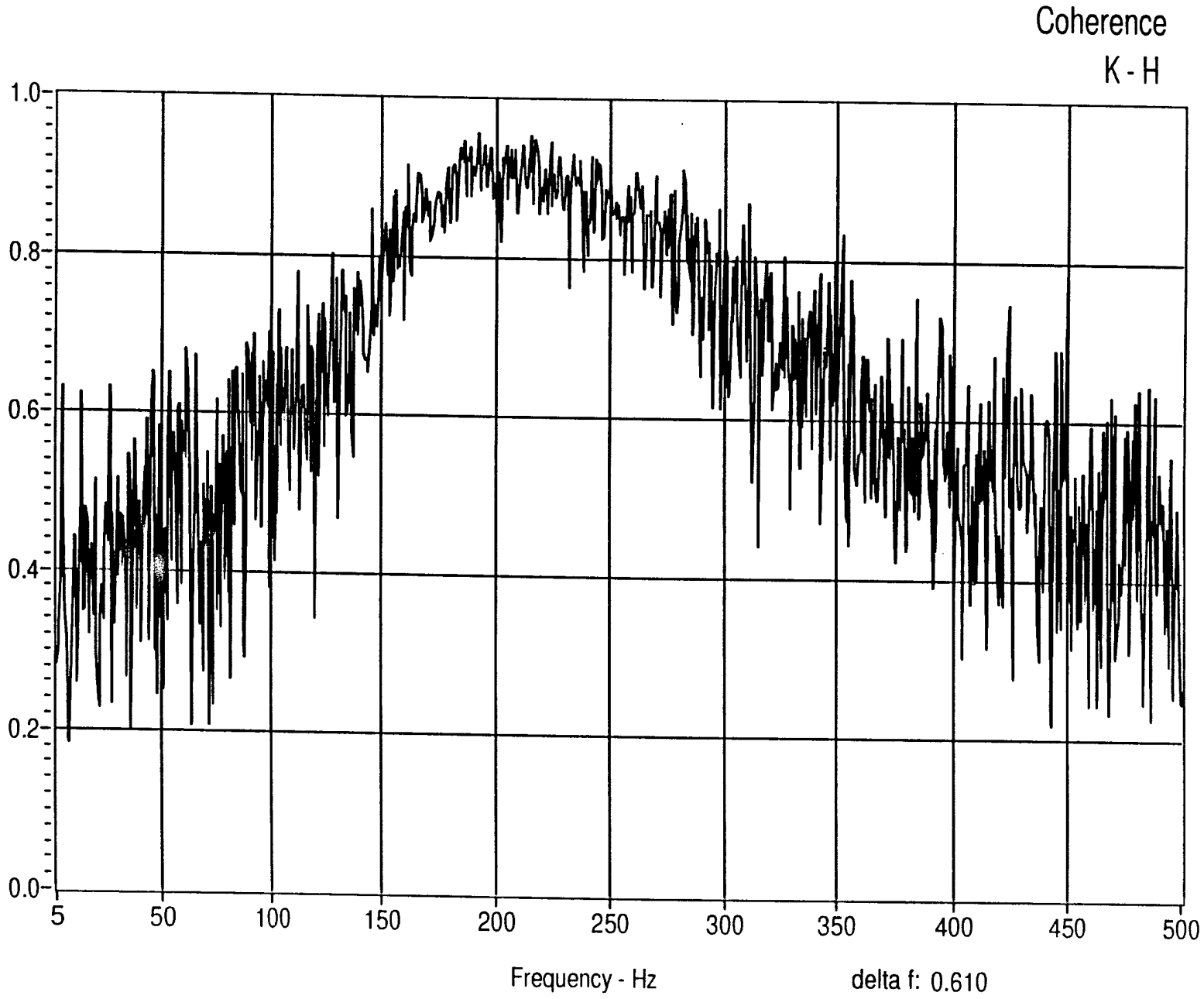


2.4 COHERENCE GRAPHS, Q= 56 PSF

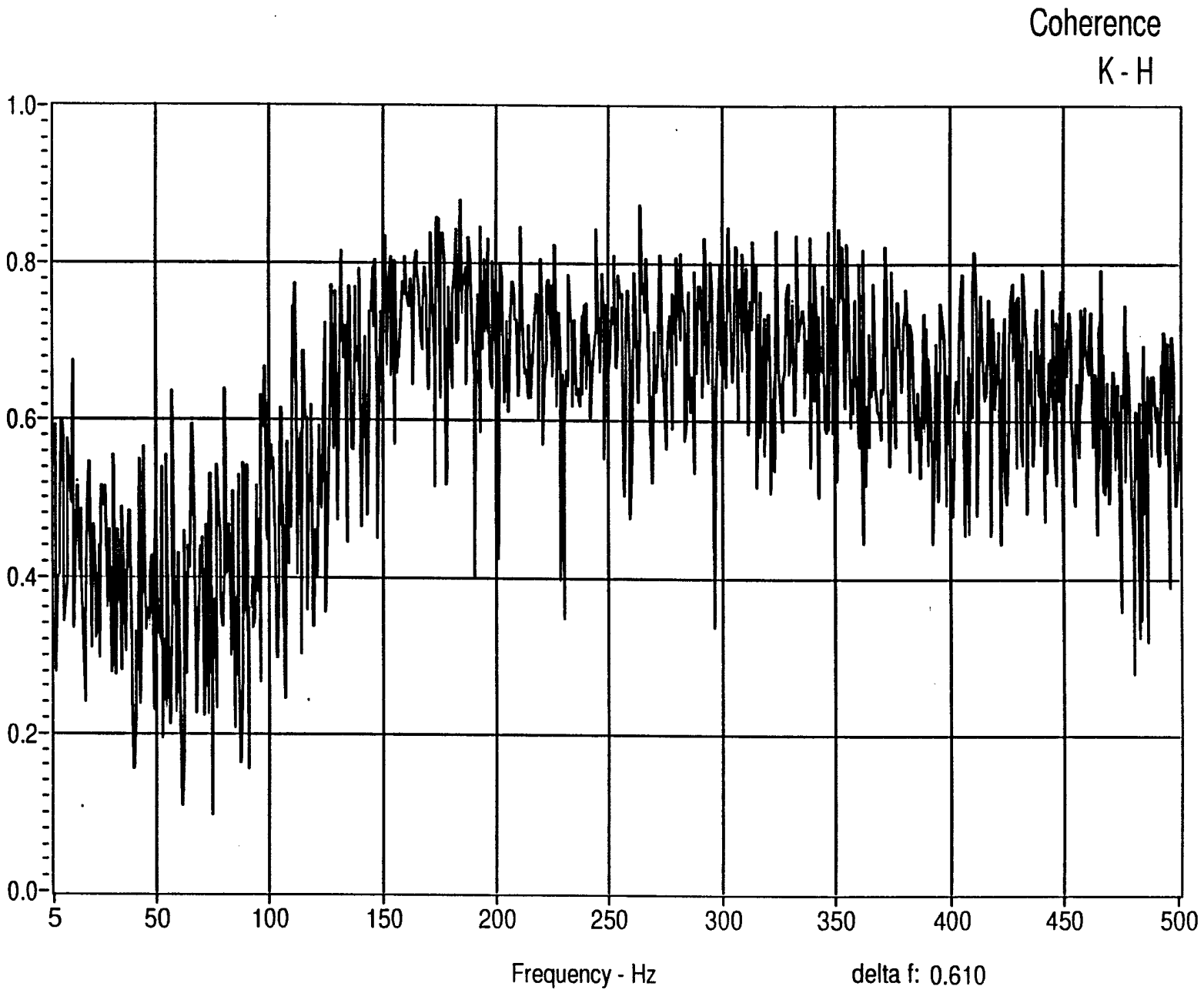
F-15 TPN_2918: alpha=8 beta=4 bp=0



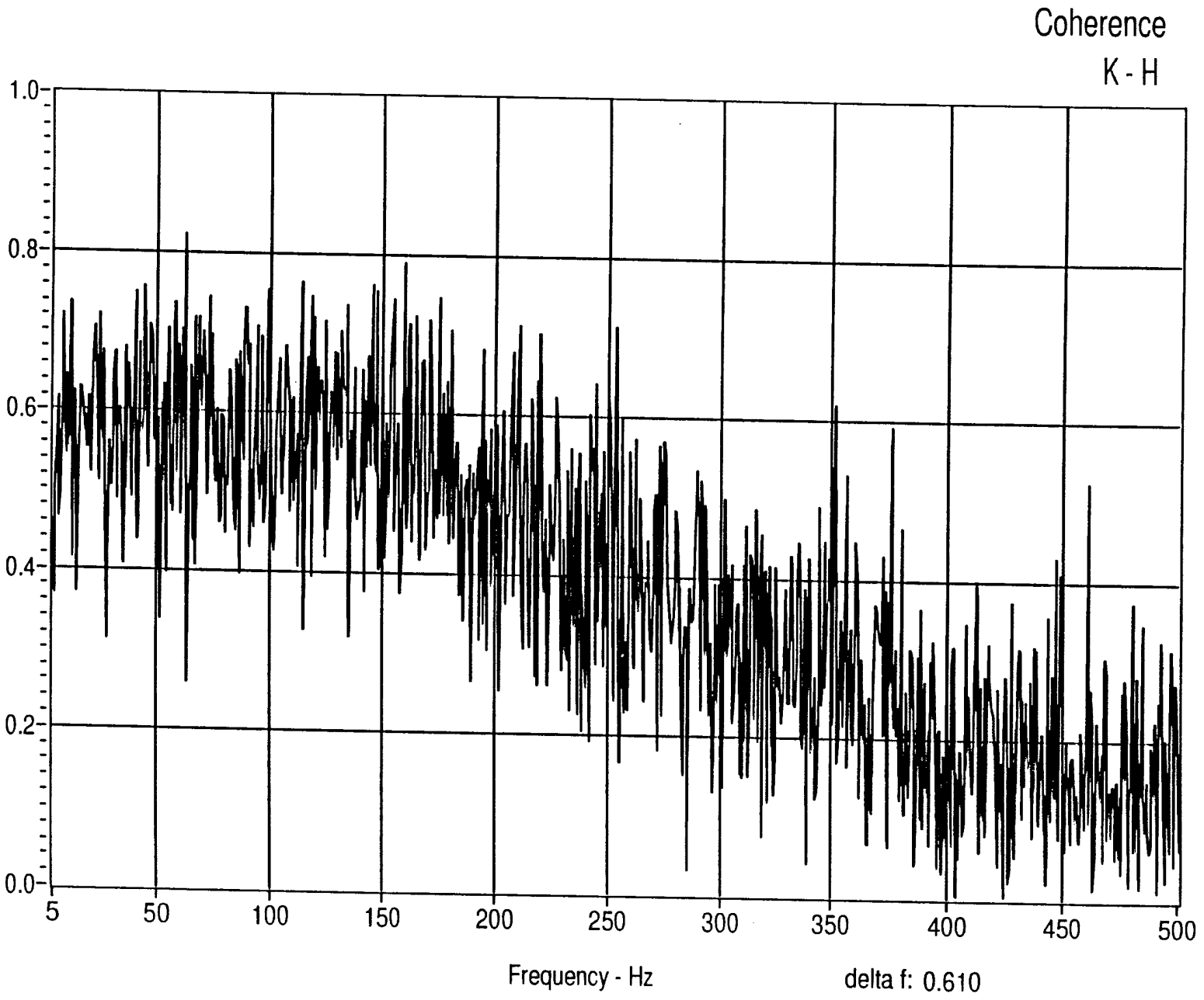
F-15 TPN_2924: alpha=20 beta=4 bp=0



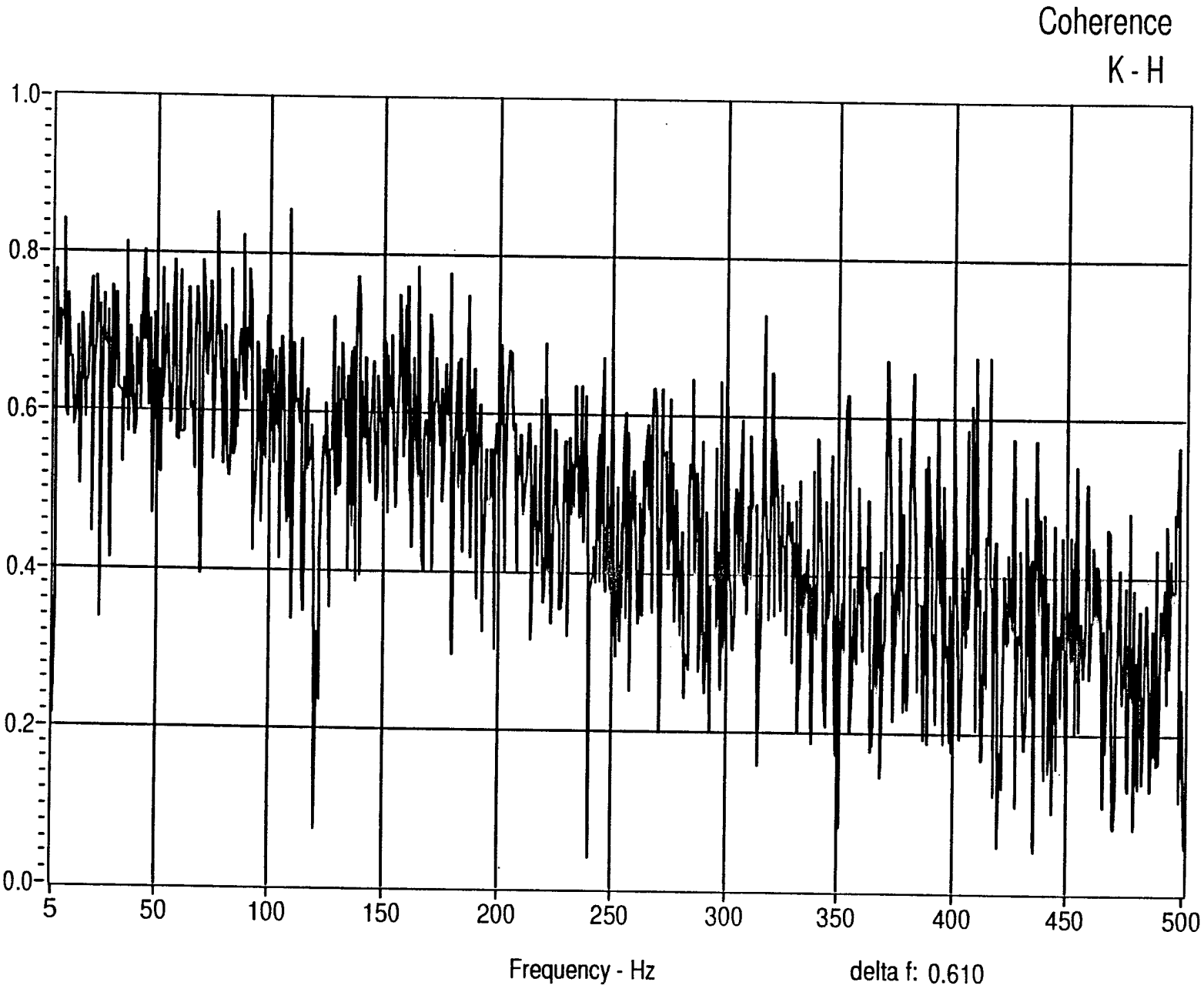
F-15 TPN_2926: alpha=24 beta=4 bp=0



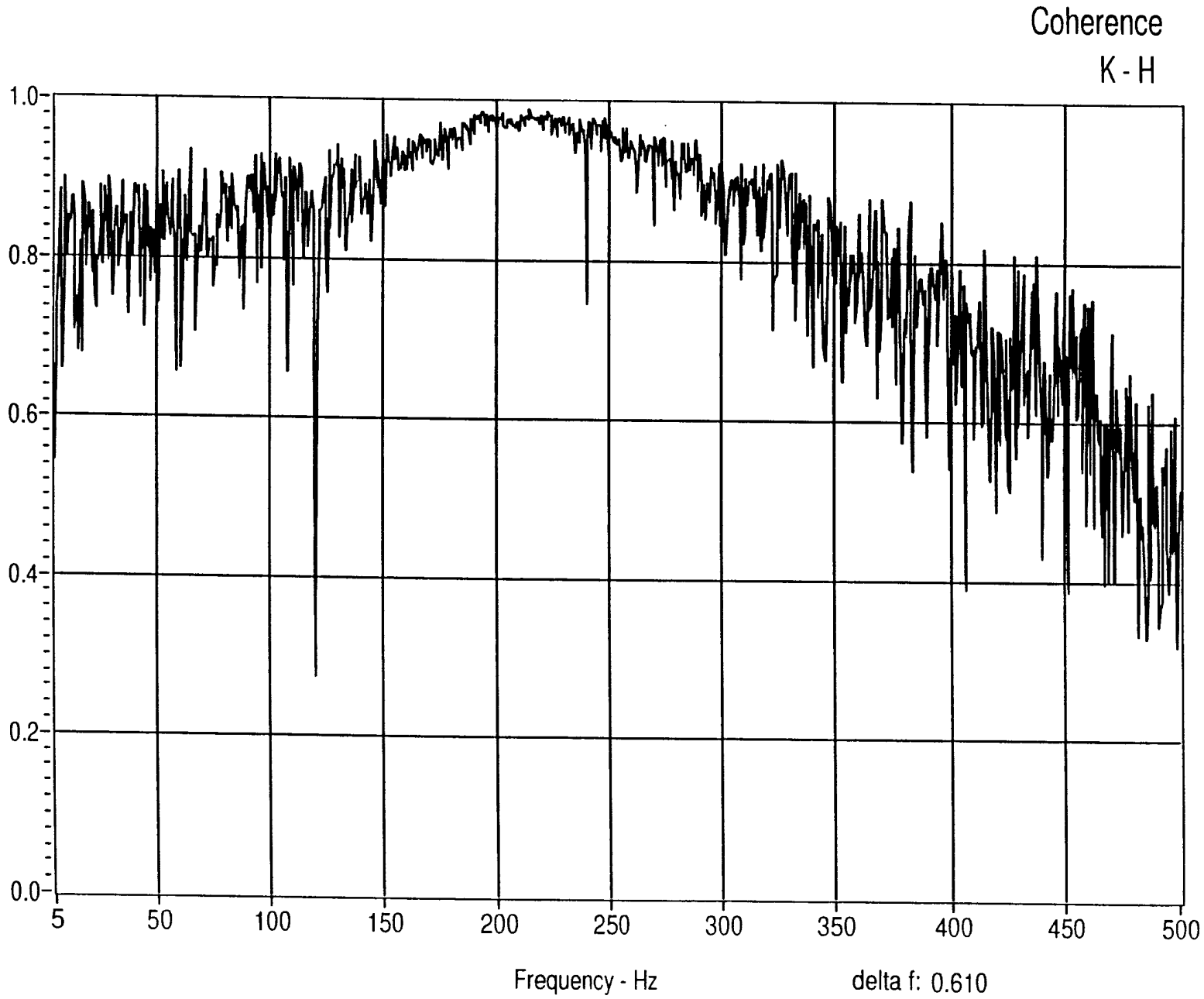
F-15 TPN_2928: alpha=32 beta=4 bp=0



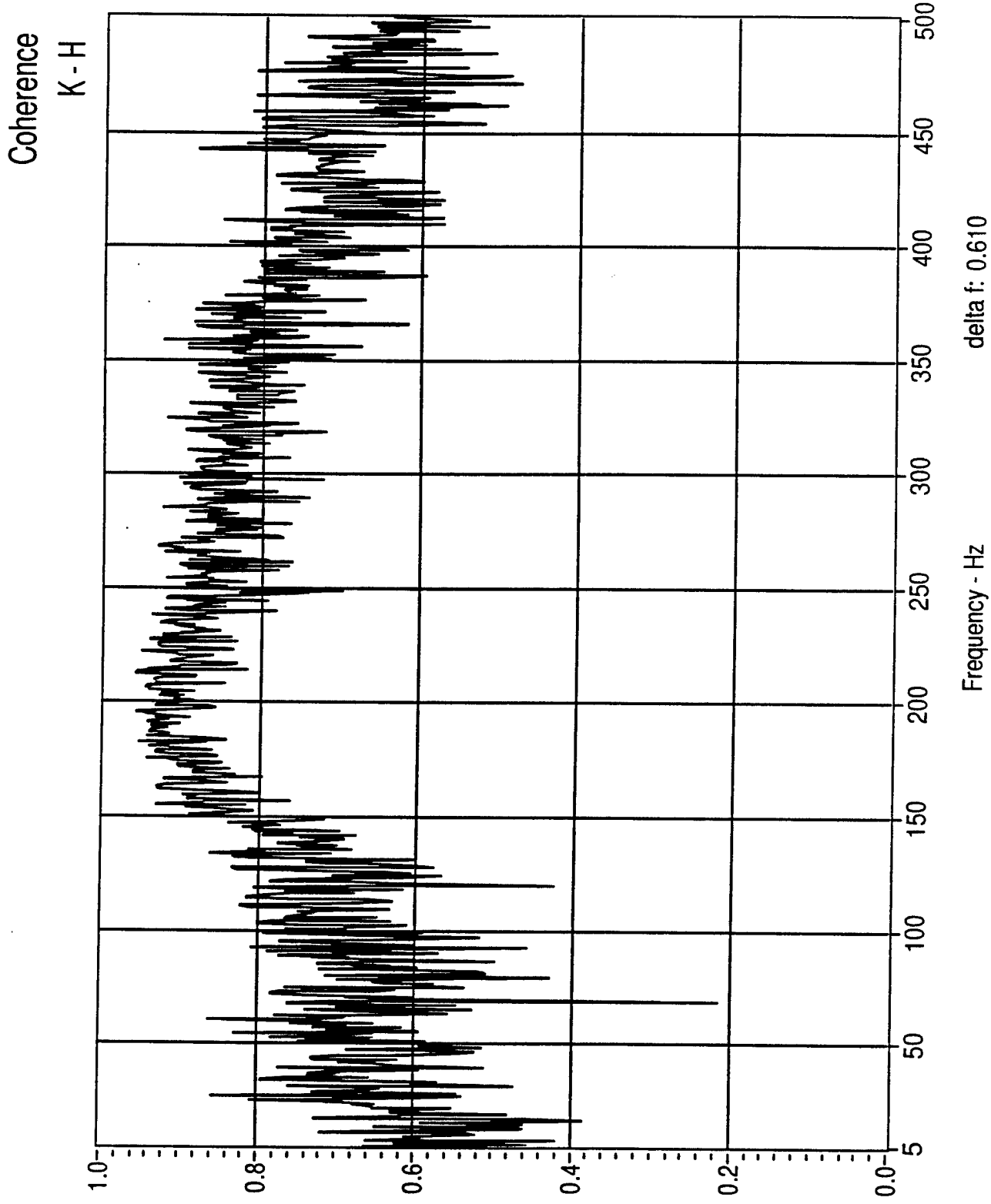
F-15 TPN_2844: alpha=8 beta=0 bp=0



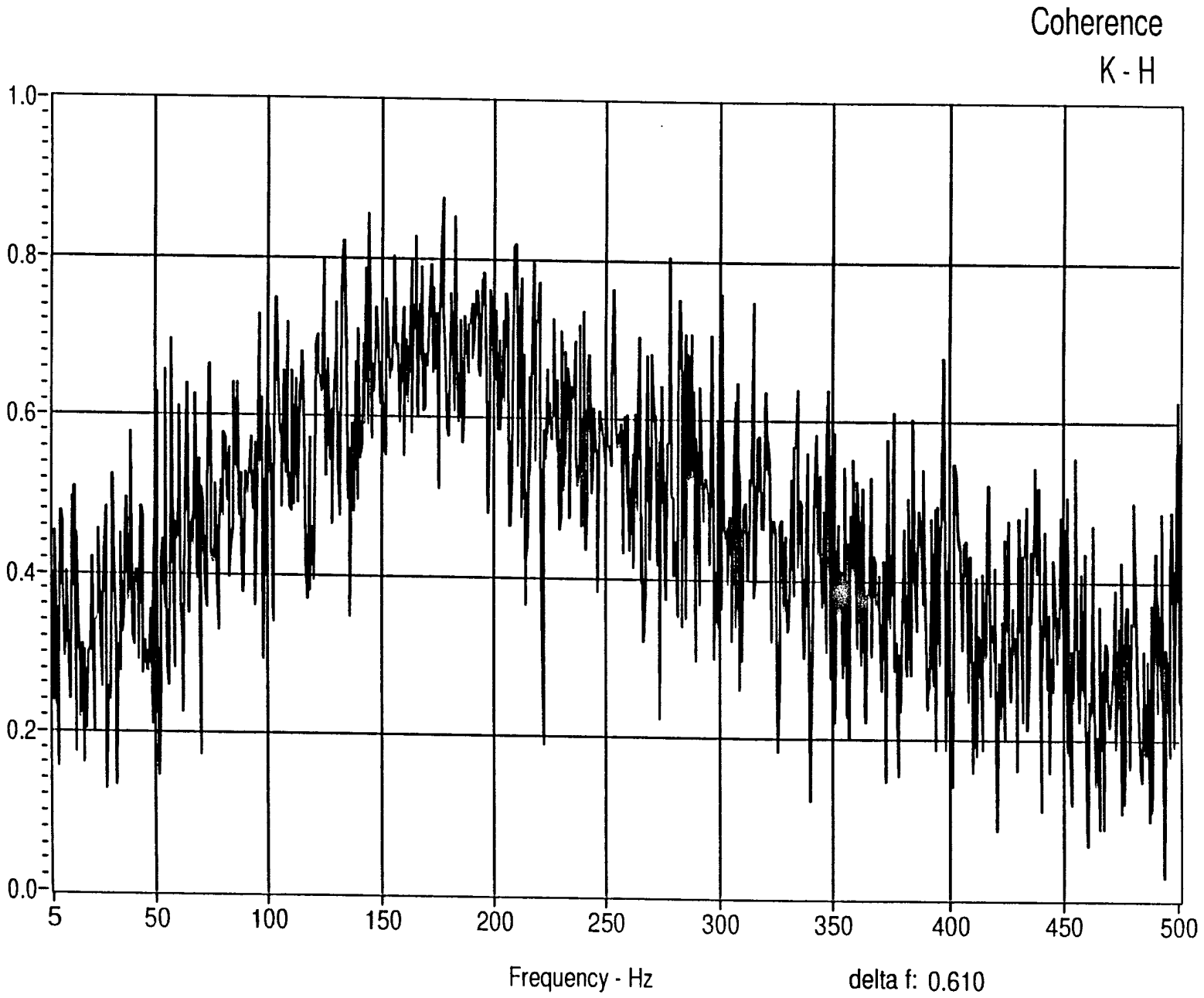
F-15 TPN_2850: alpha=20 beta=0 bp=0



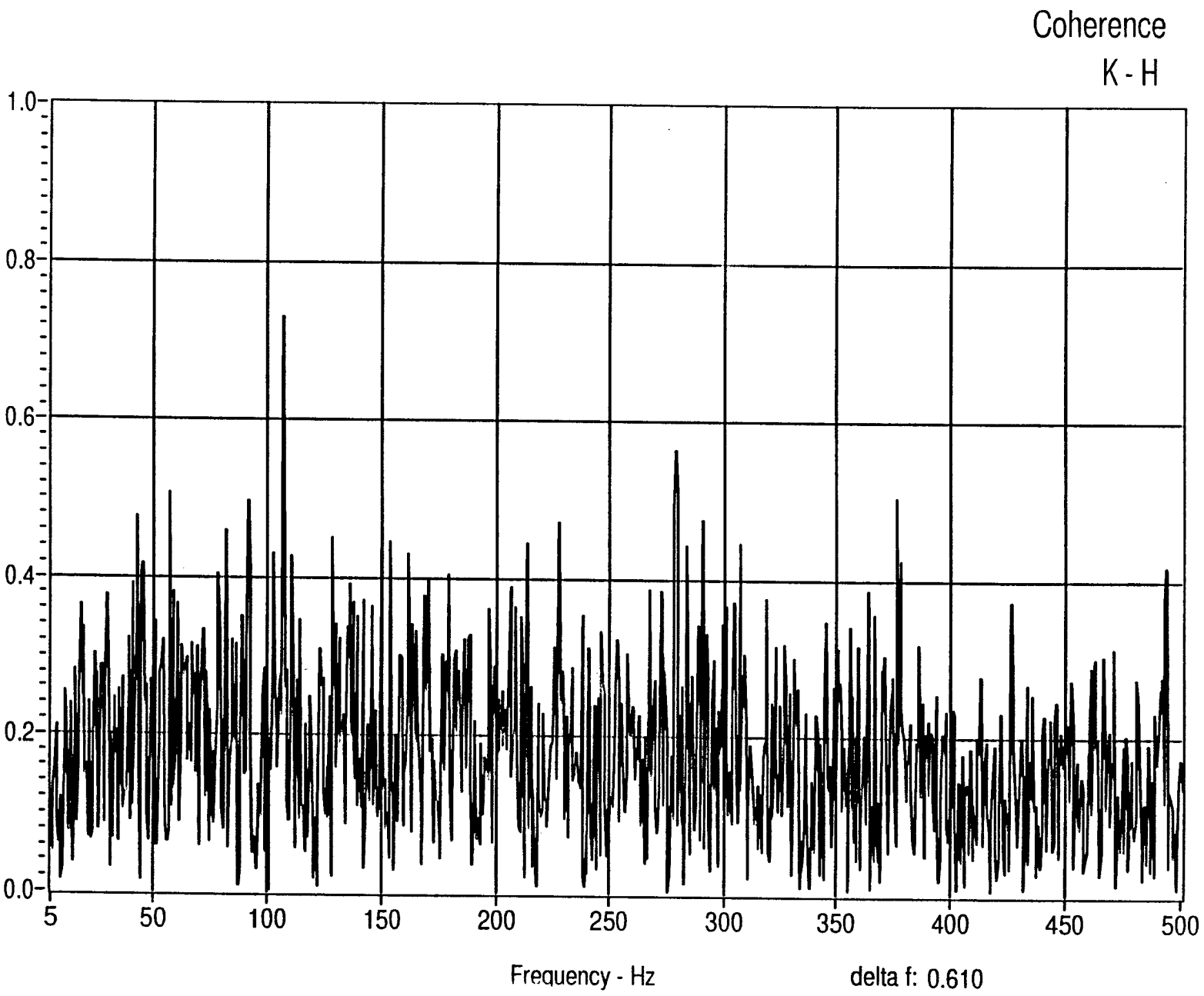
F-15 TPN_2852: alpha=24 beta=0 bp=0



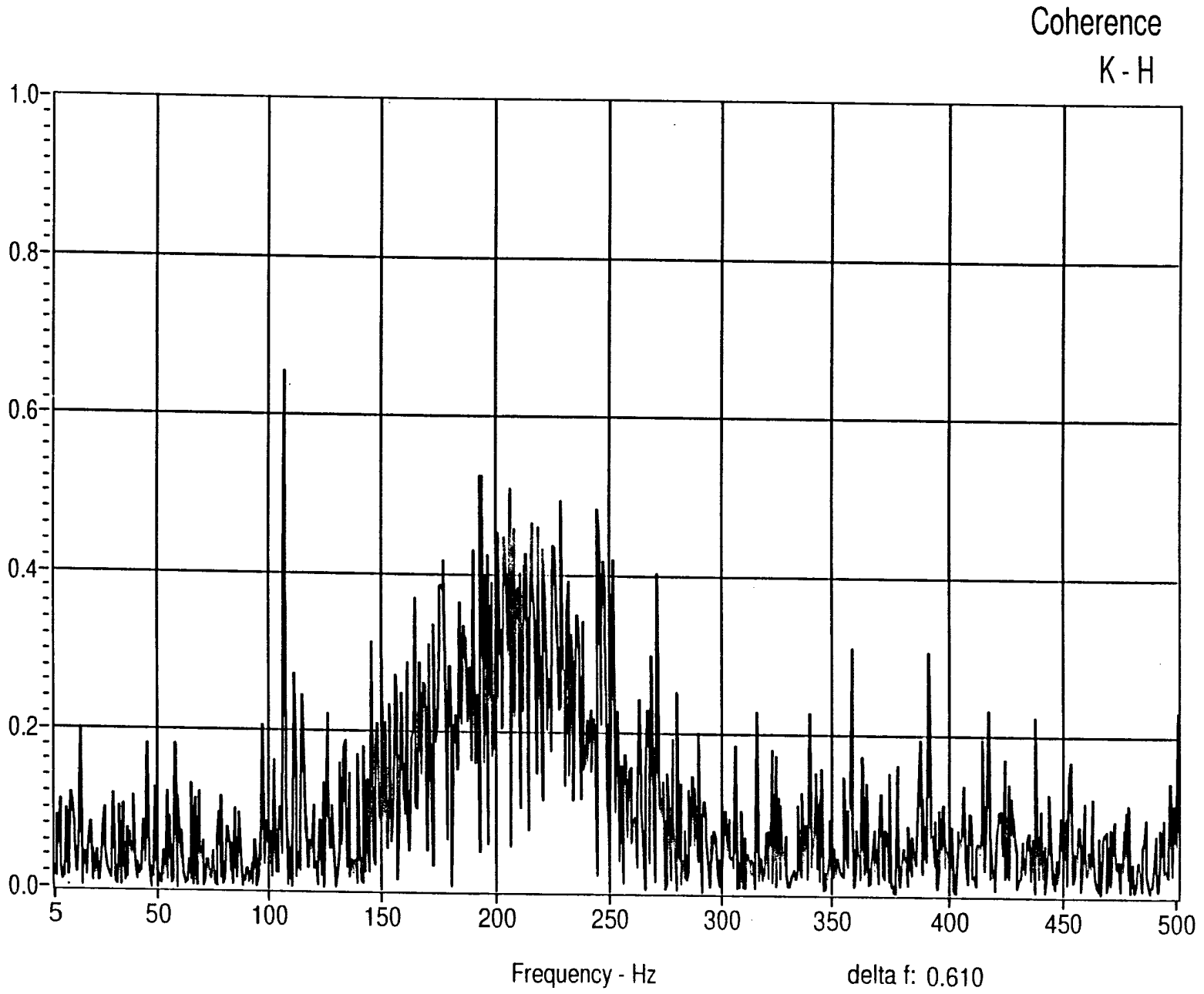
F-15 TPN_2854: alpha=32 beta=0 bp=0



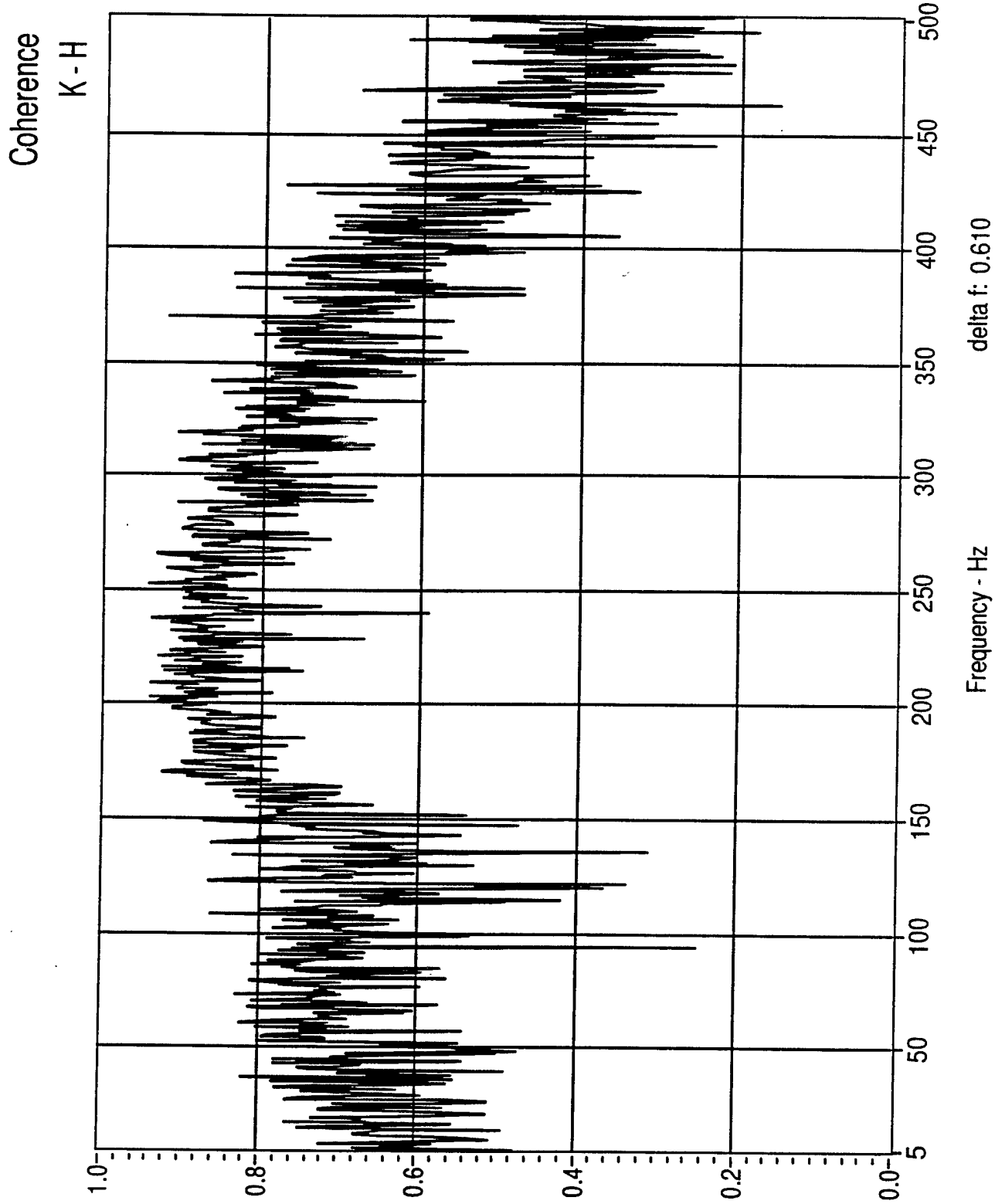
F-15 TPN_2864: alpha=8 beta=-4 bp=0



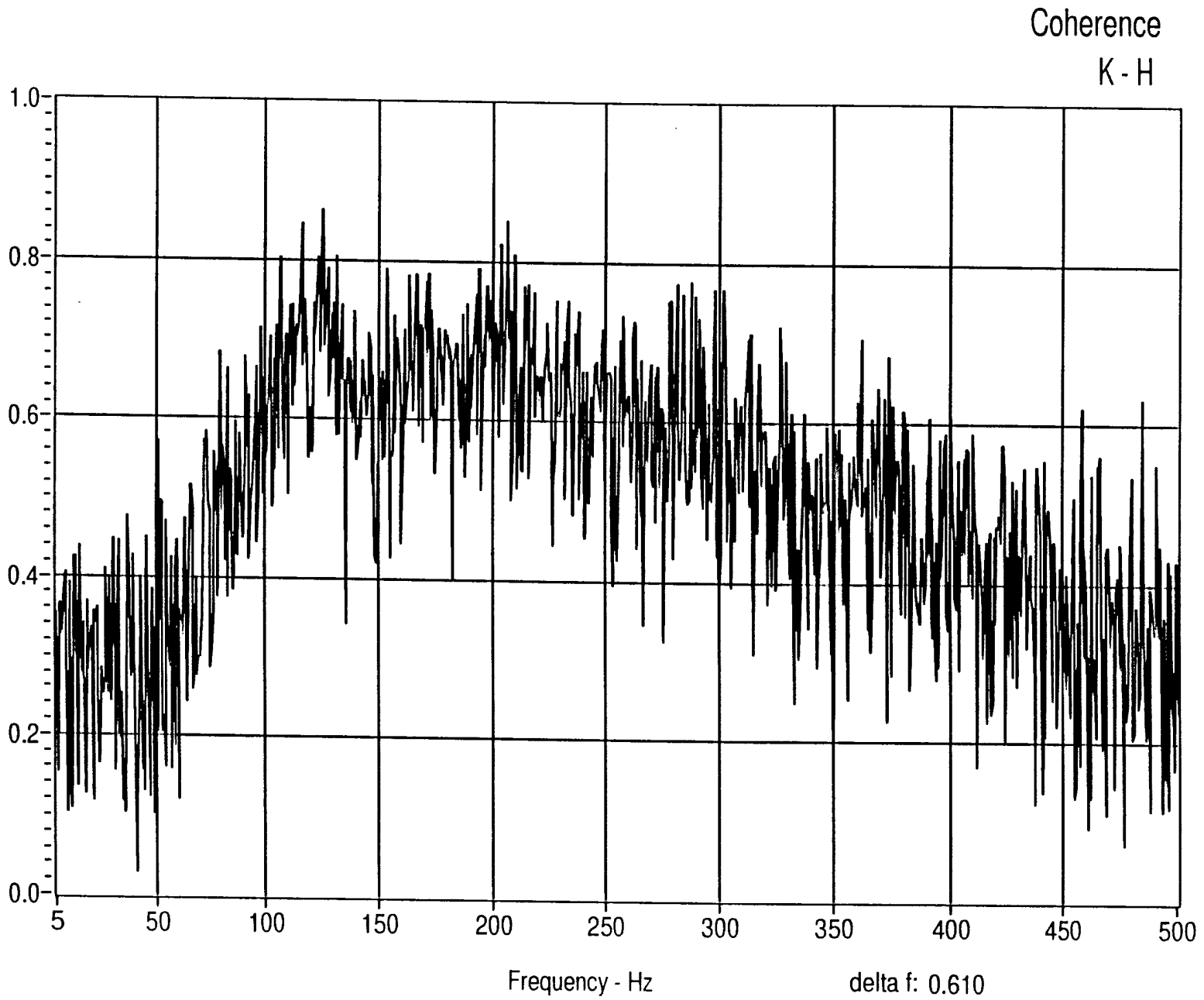
F-15 TPN_2870: alpha=20 beta=-4 bp=0



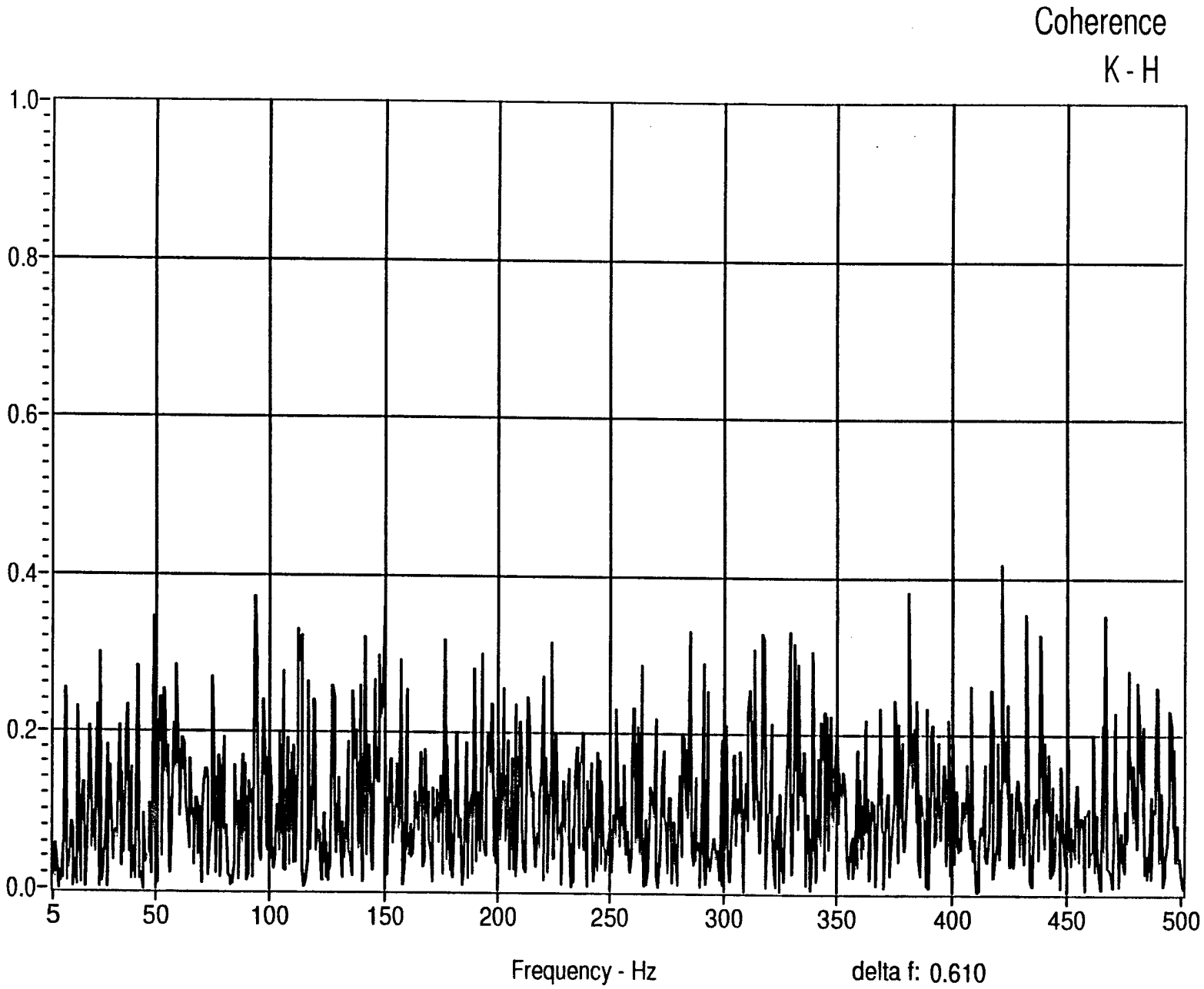
F-15 TPN_2872: alpha=24 beta=-4 bp=0



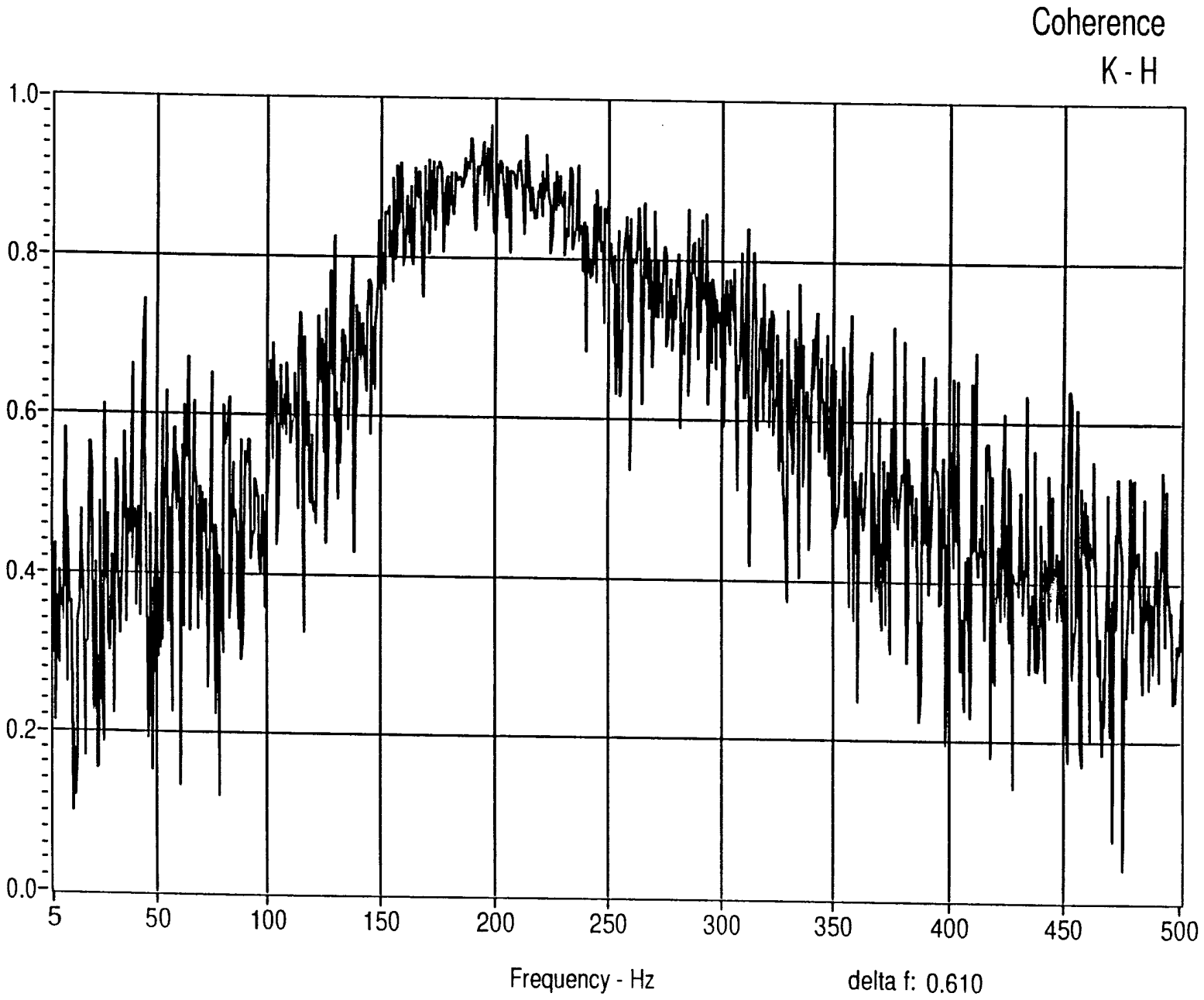
F-15 TPN_2874: alpha=32 beta=-4 bp=0



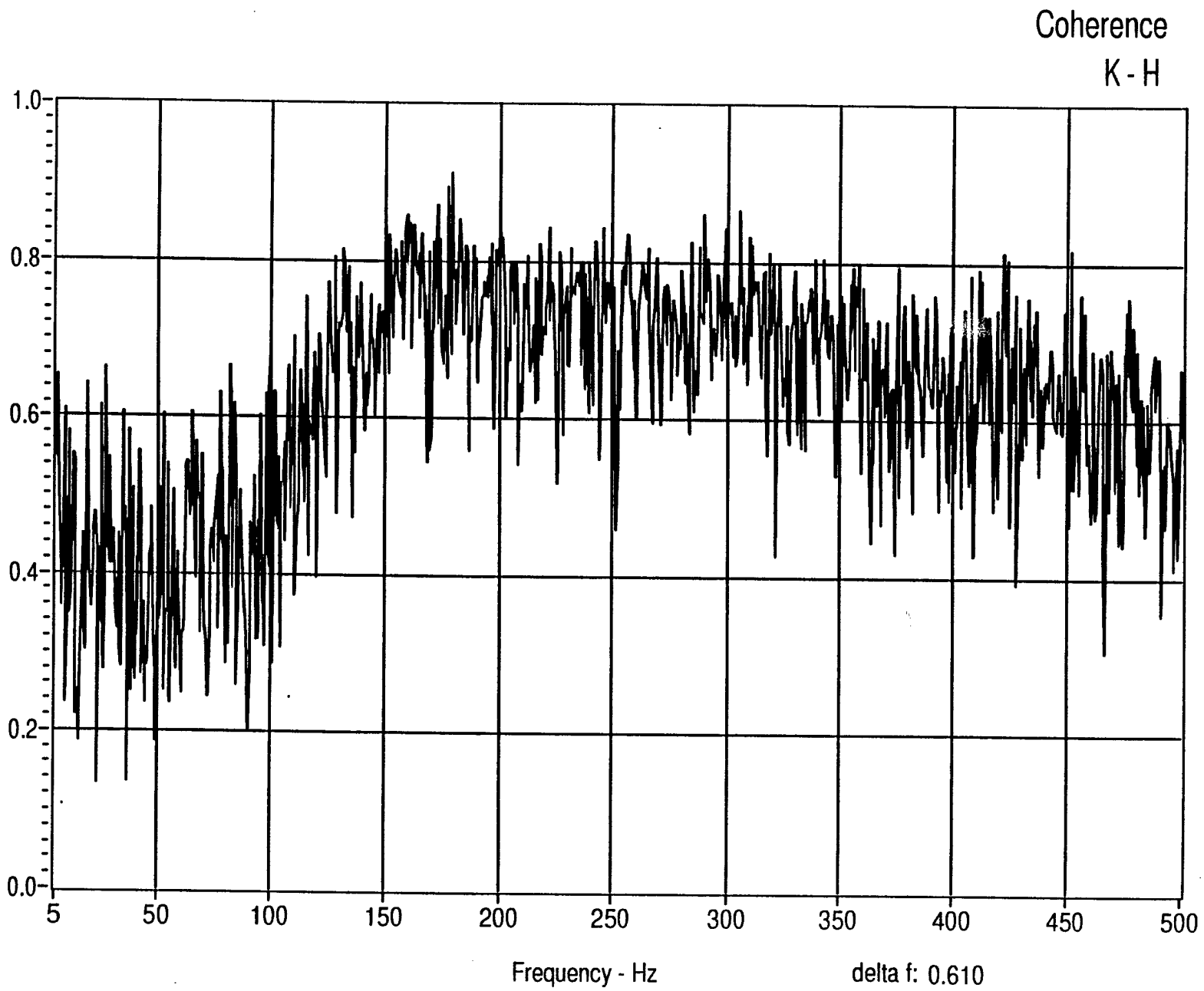
F-15 TPN_3351: alpha=8 beta=4 bp=45



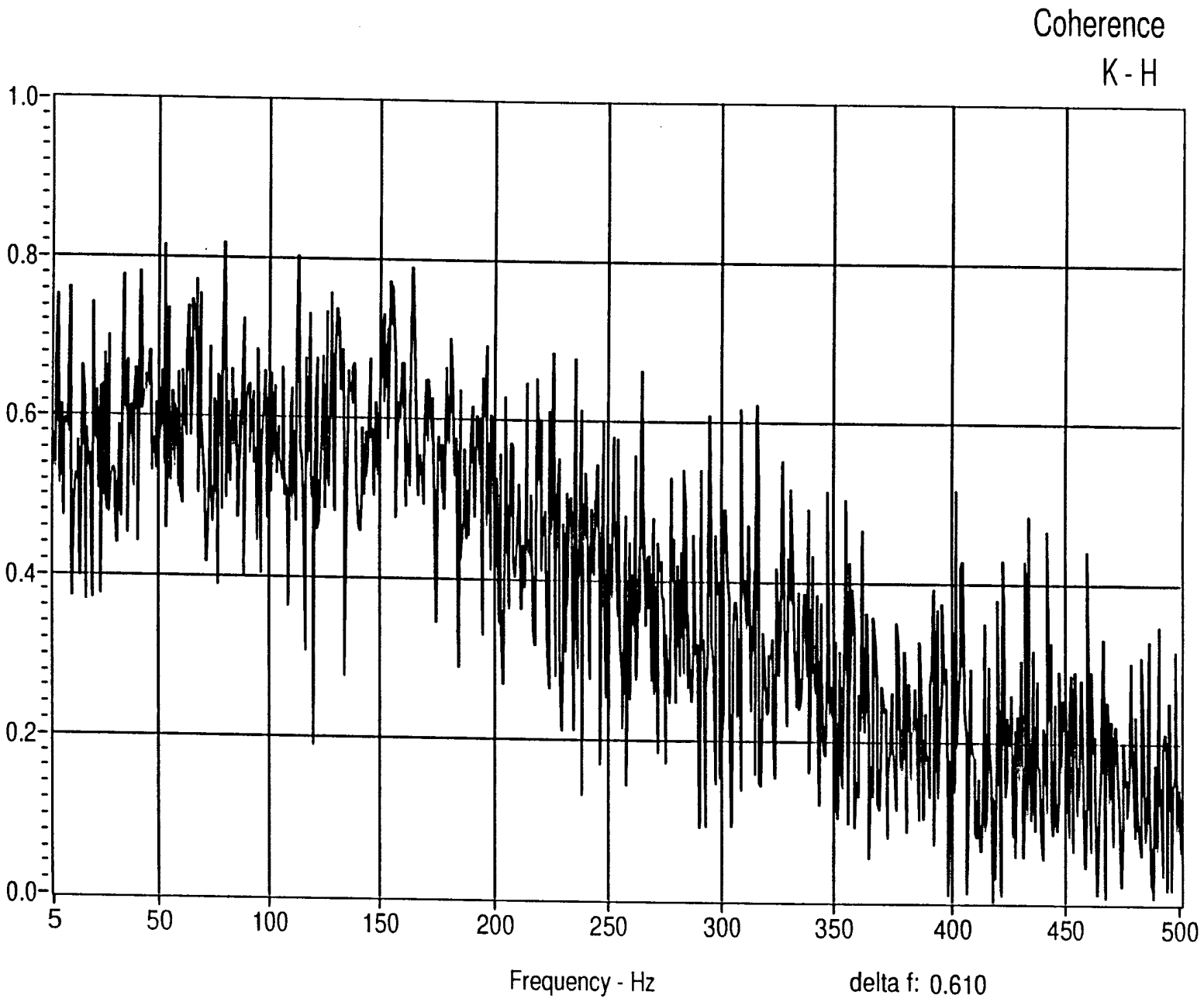
F-15 TPN_3357: alpha=20 beta=4 bp=45



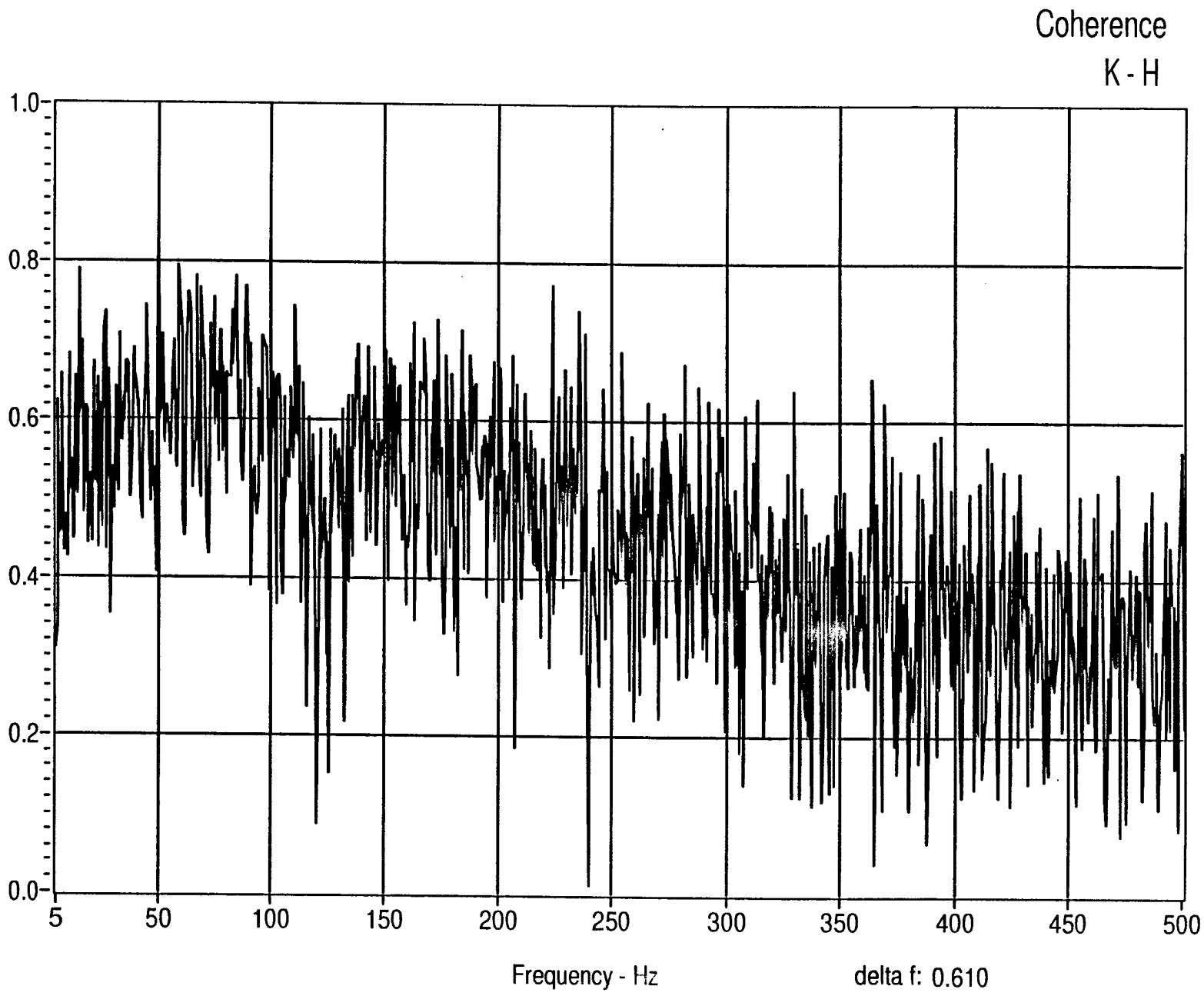
F-15 TPN_3359: alpha=24 beta=4 bp=45



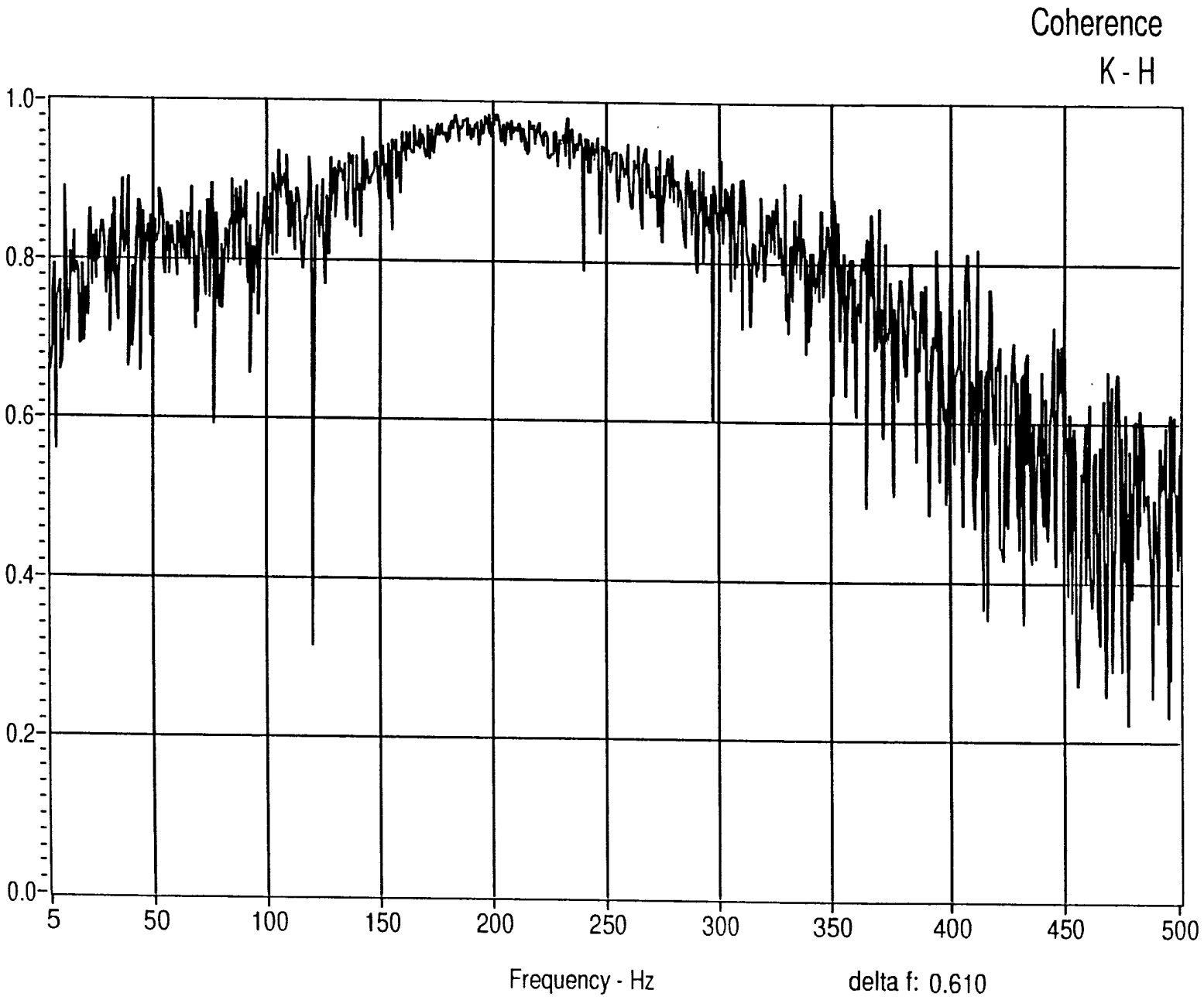
F-15 TPN_3361: alpha=32 beta=4 bp=45



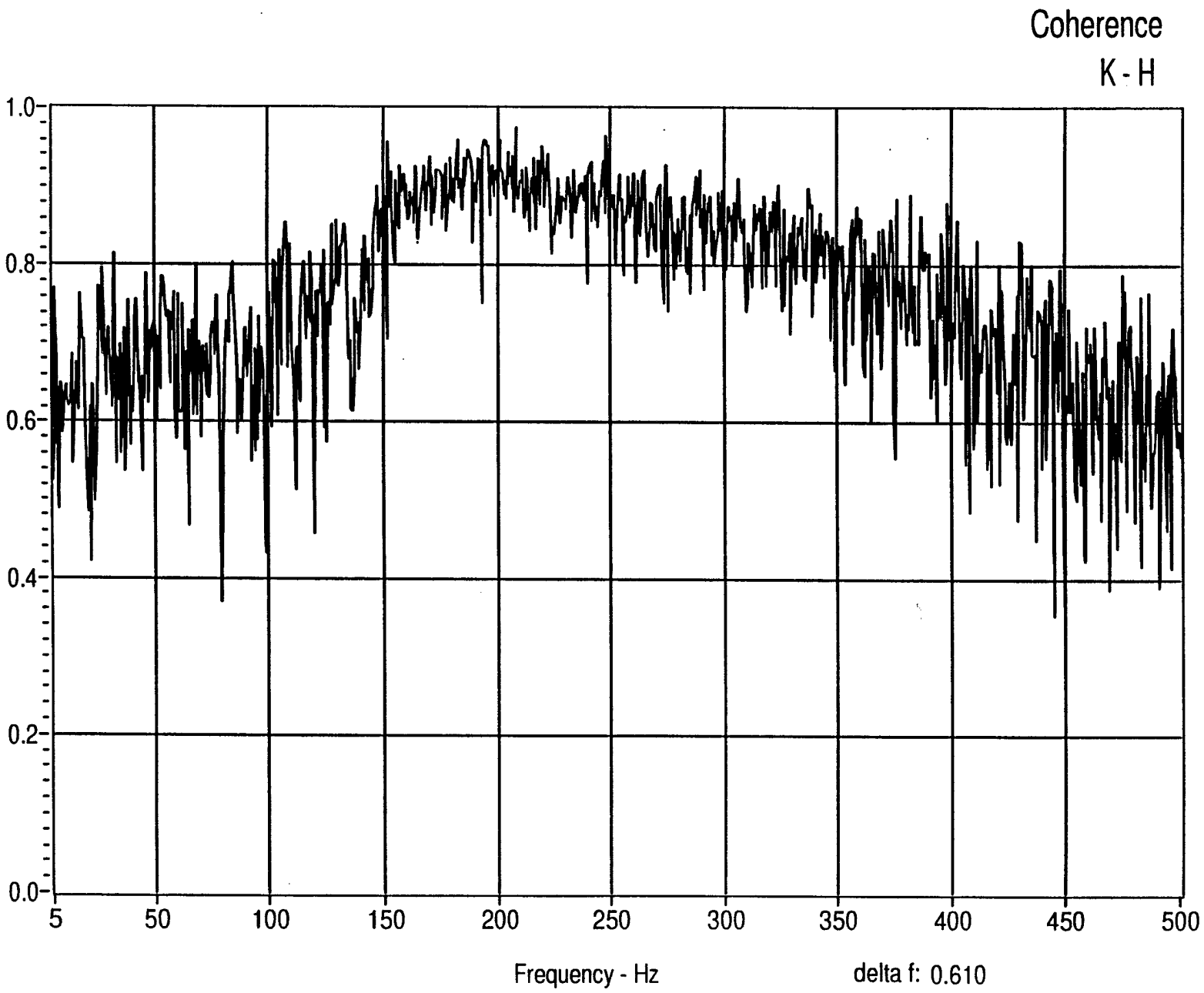
F-15 TPN_3333: alpha=8 beta=0 bp=45



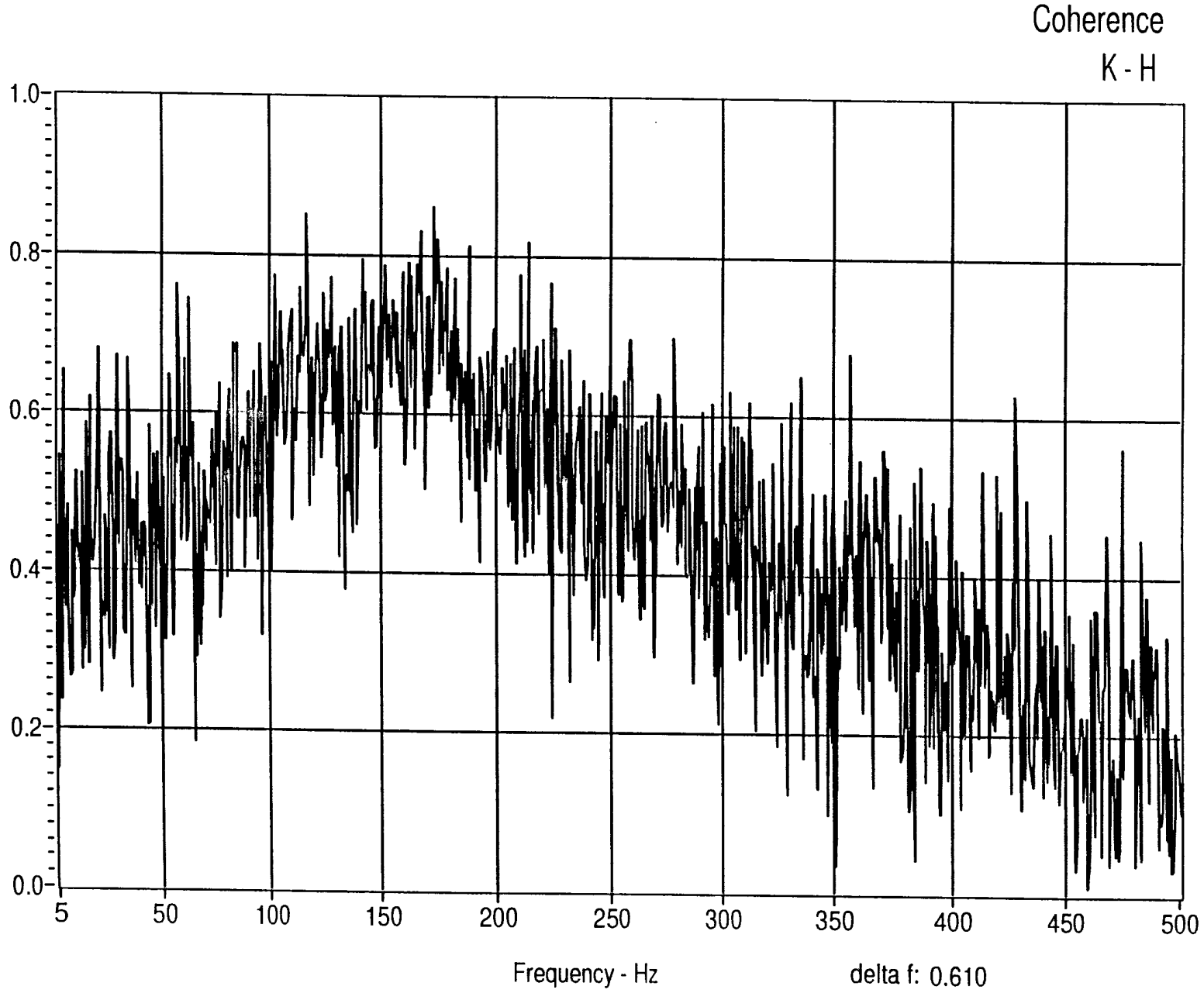
F-15 TPN_3339: alpha=20 beta=0 bp=45



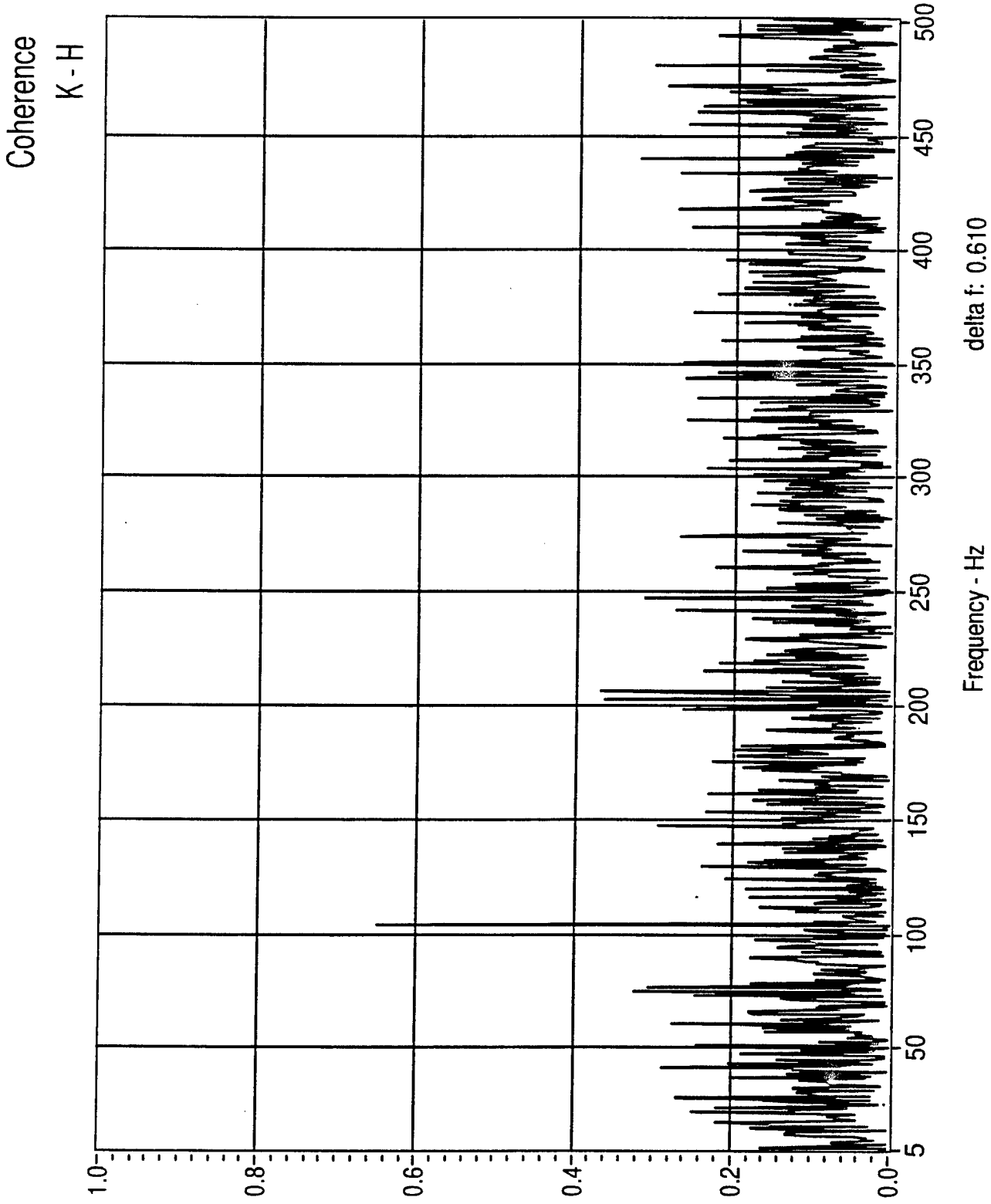
F-15 TPN_3341: alpha=24 beta=0 bp=45



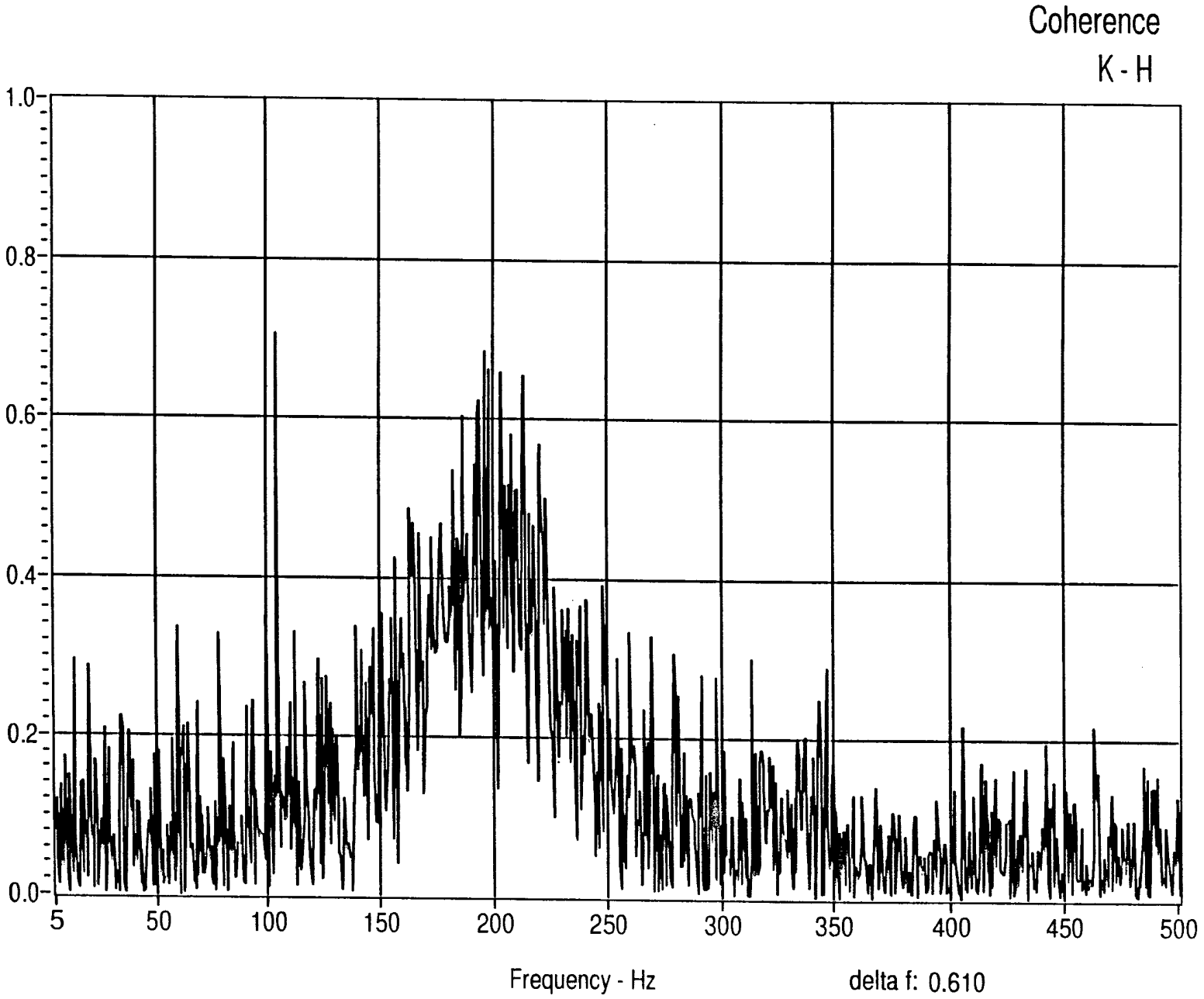
F-15 TPN_3343: alpha=32 beta=0 bp=45



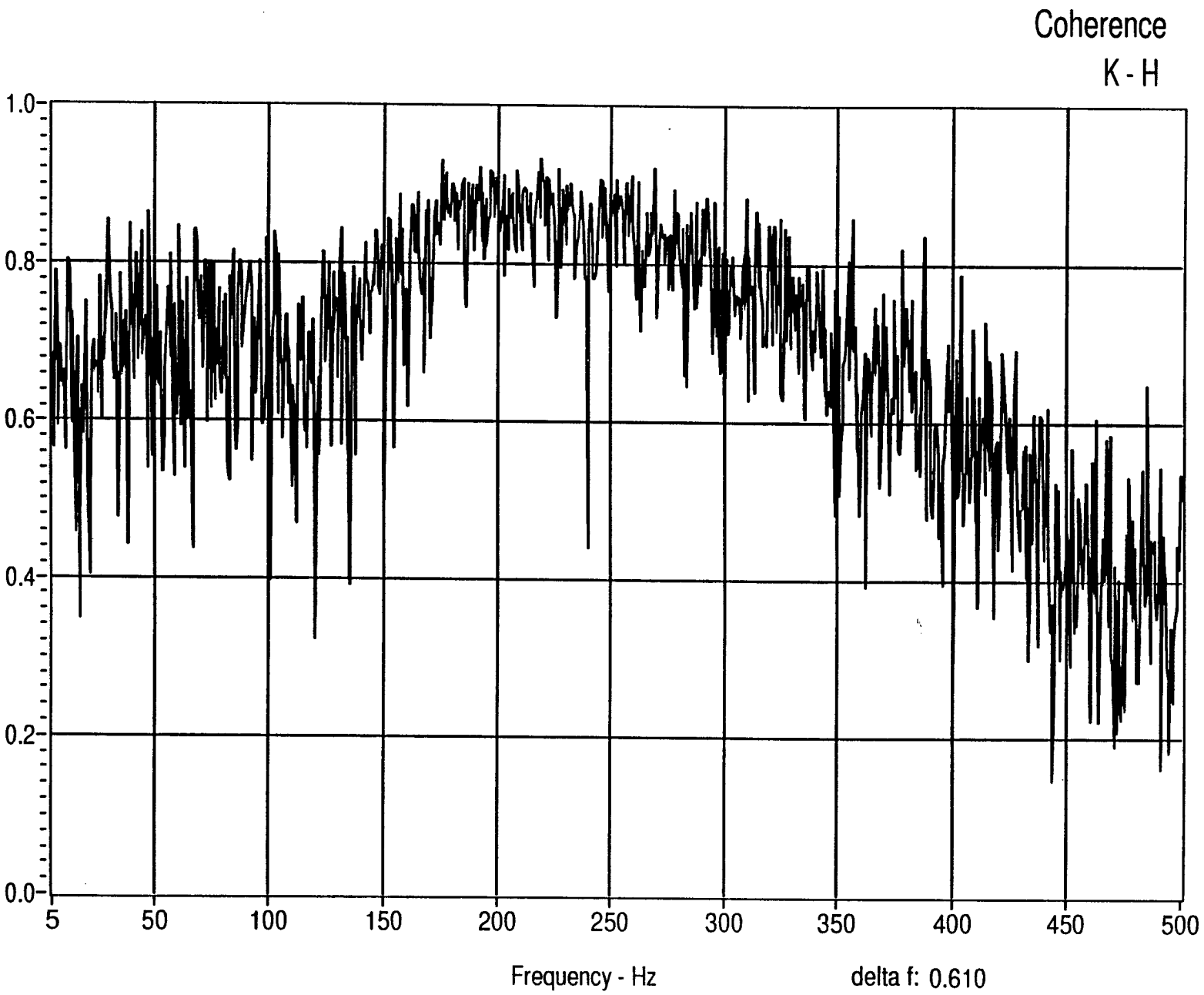
F-15 TPN_3369: alpha=8 beta=-4 bp=45



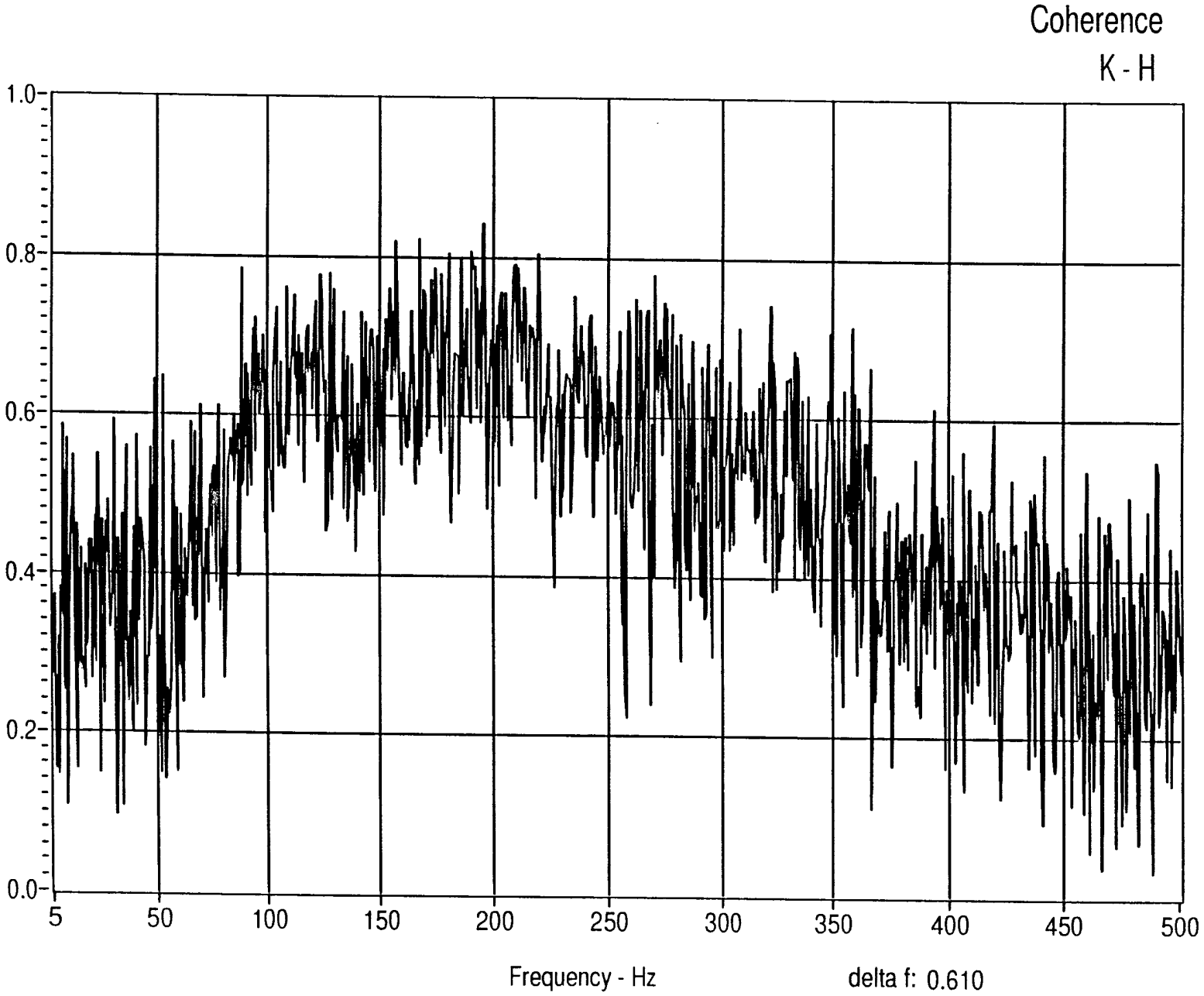
F-15 TPN_3375: alpha=20 beta=-4 bp=45



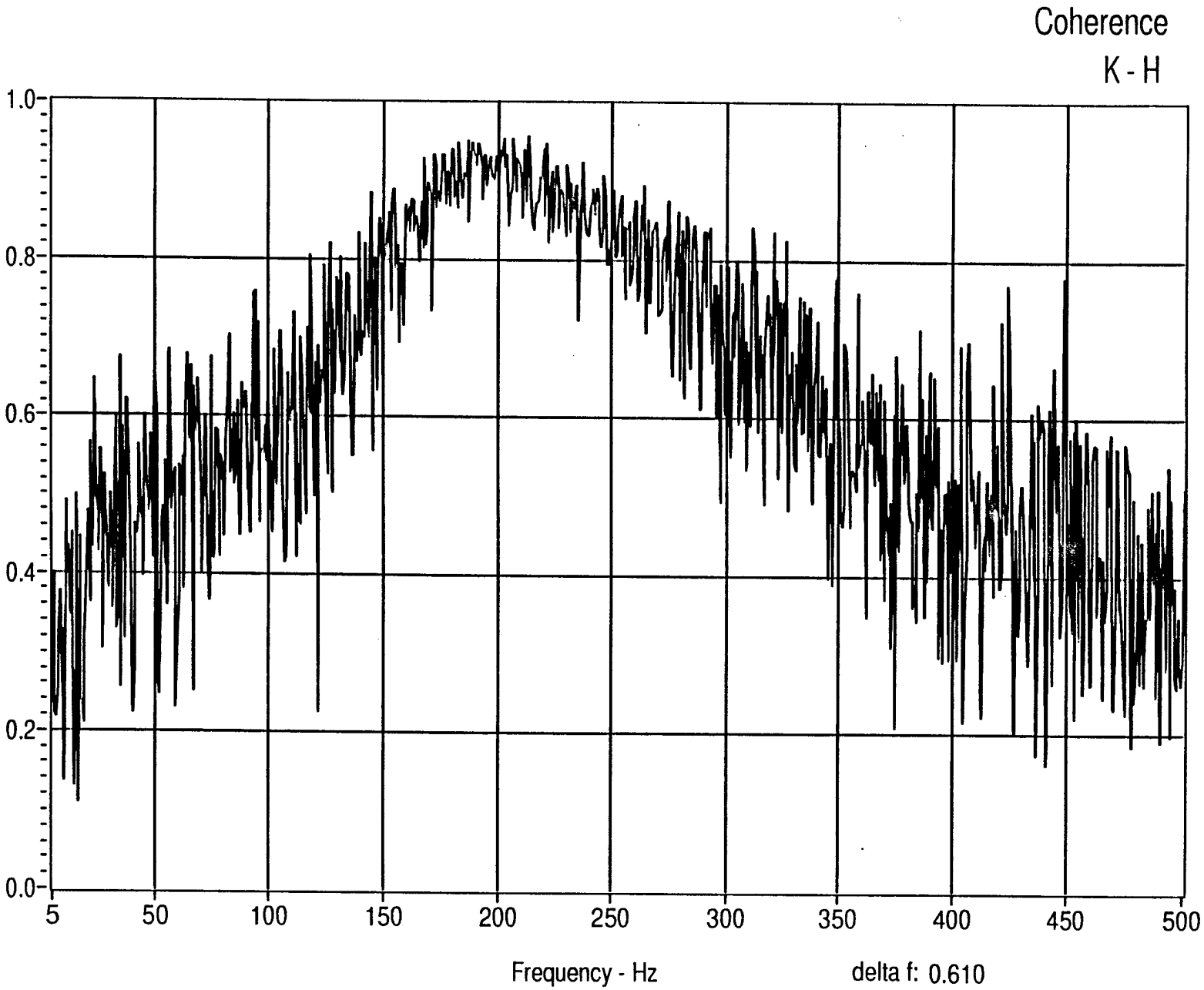
F-15 TPN_3377: alpha=24 beta=-4 bp=45



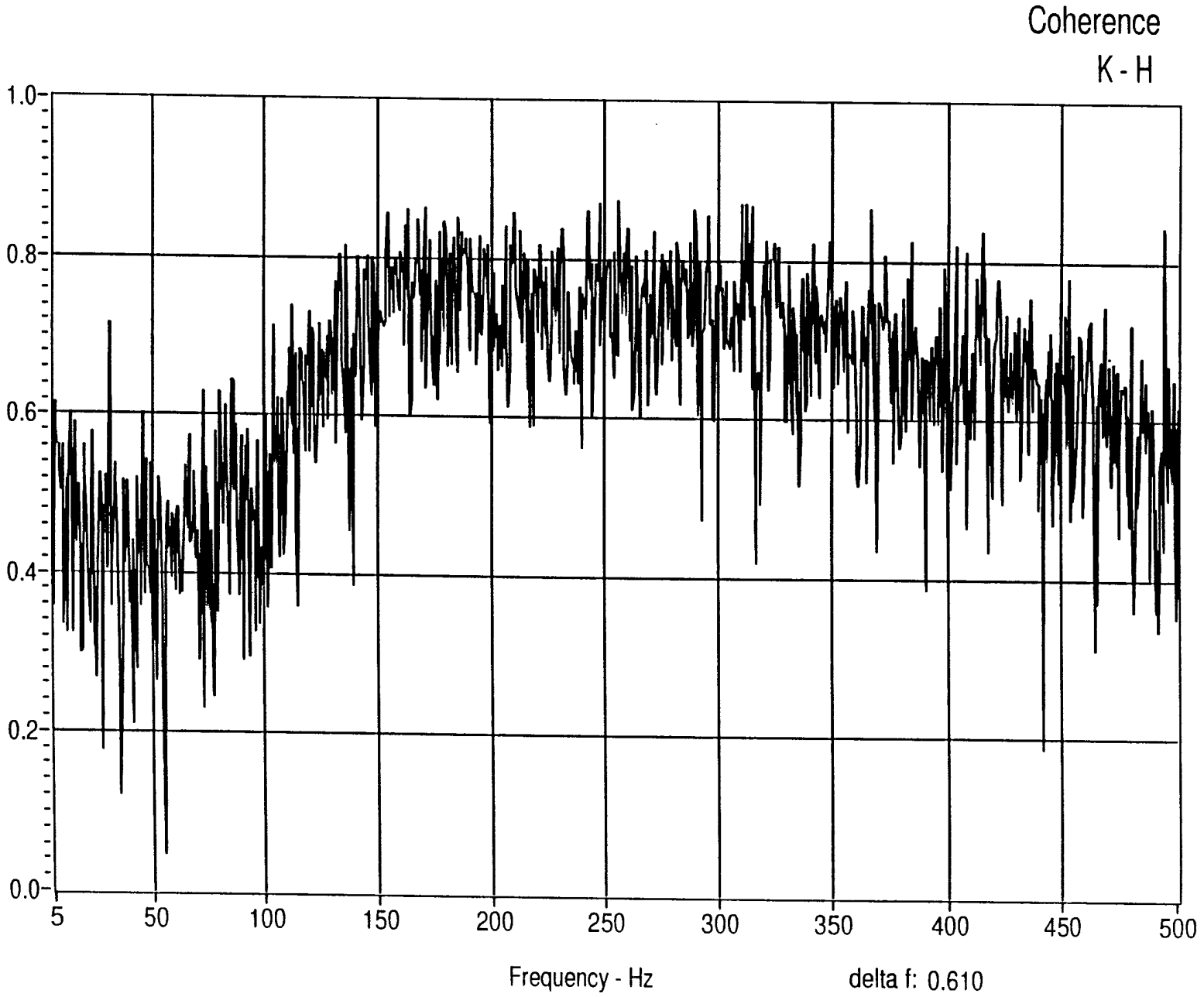
F-15 TPN_3379: alpha=32 beta=-4 bp=45



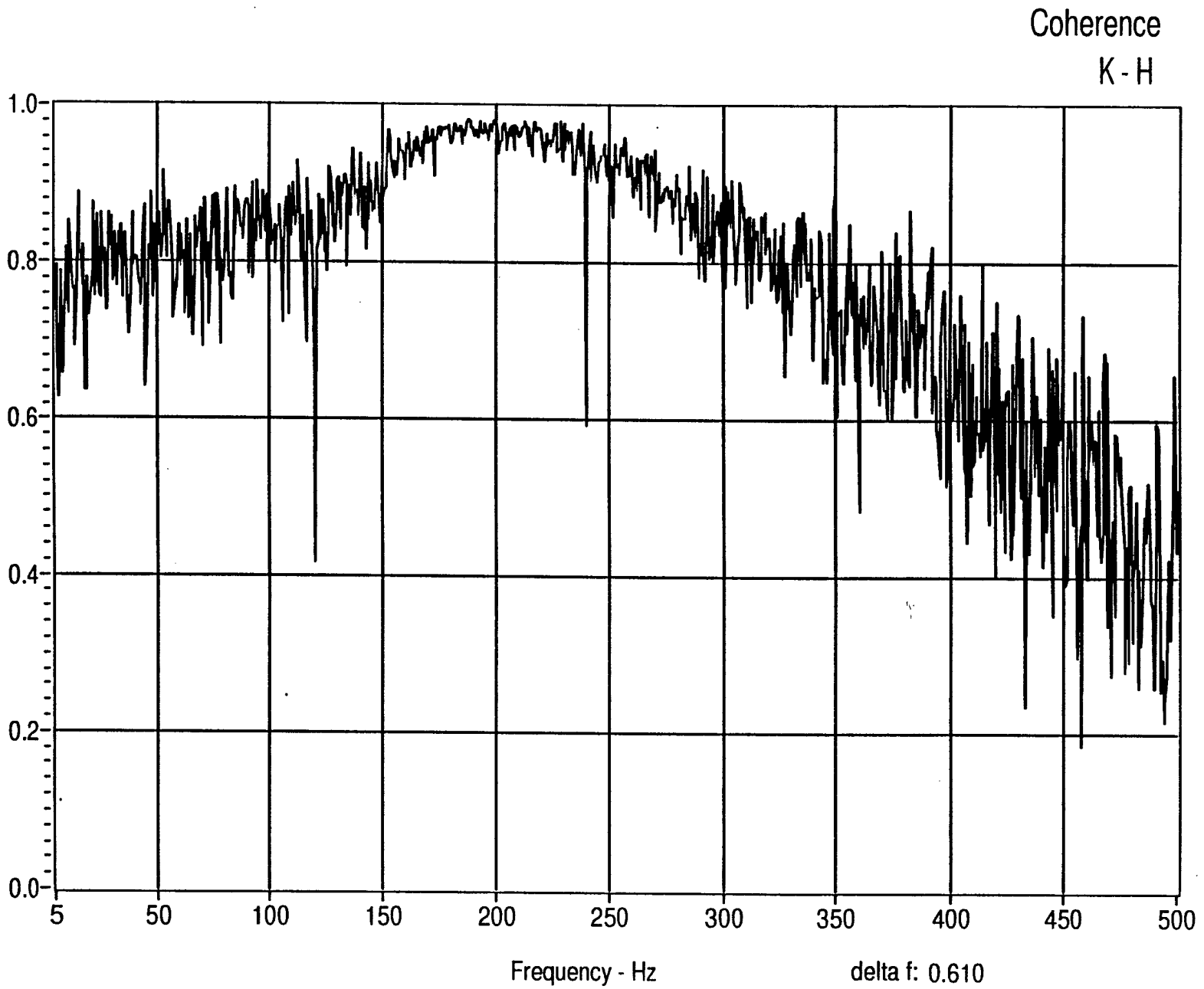
F-15 TPN_3046: alpha=20 beta=4 bp=65



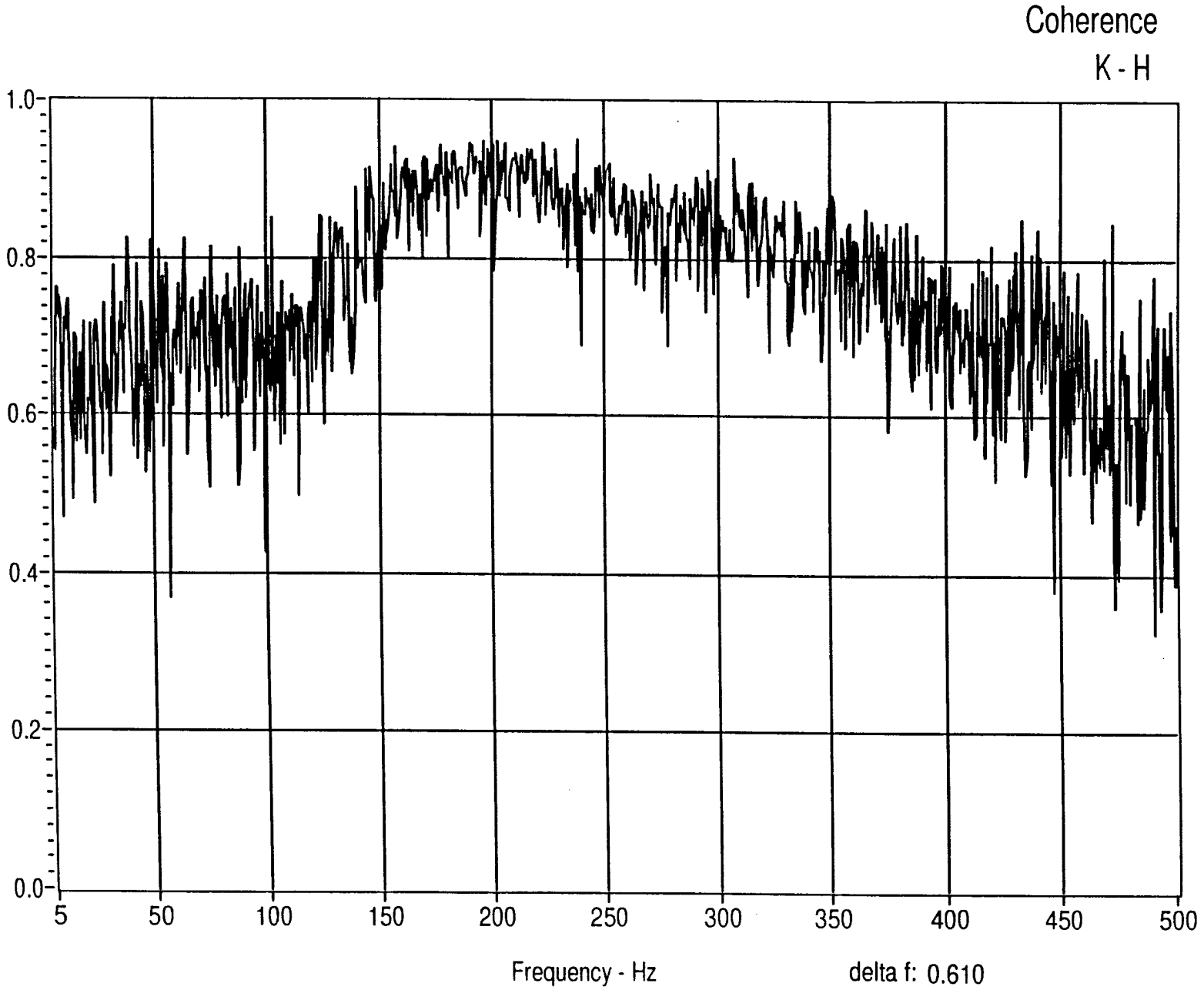
F-15 TPN_3048: alpha=24 beta=4 bp=65



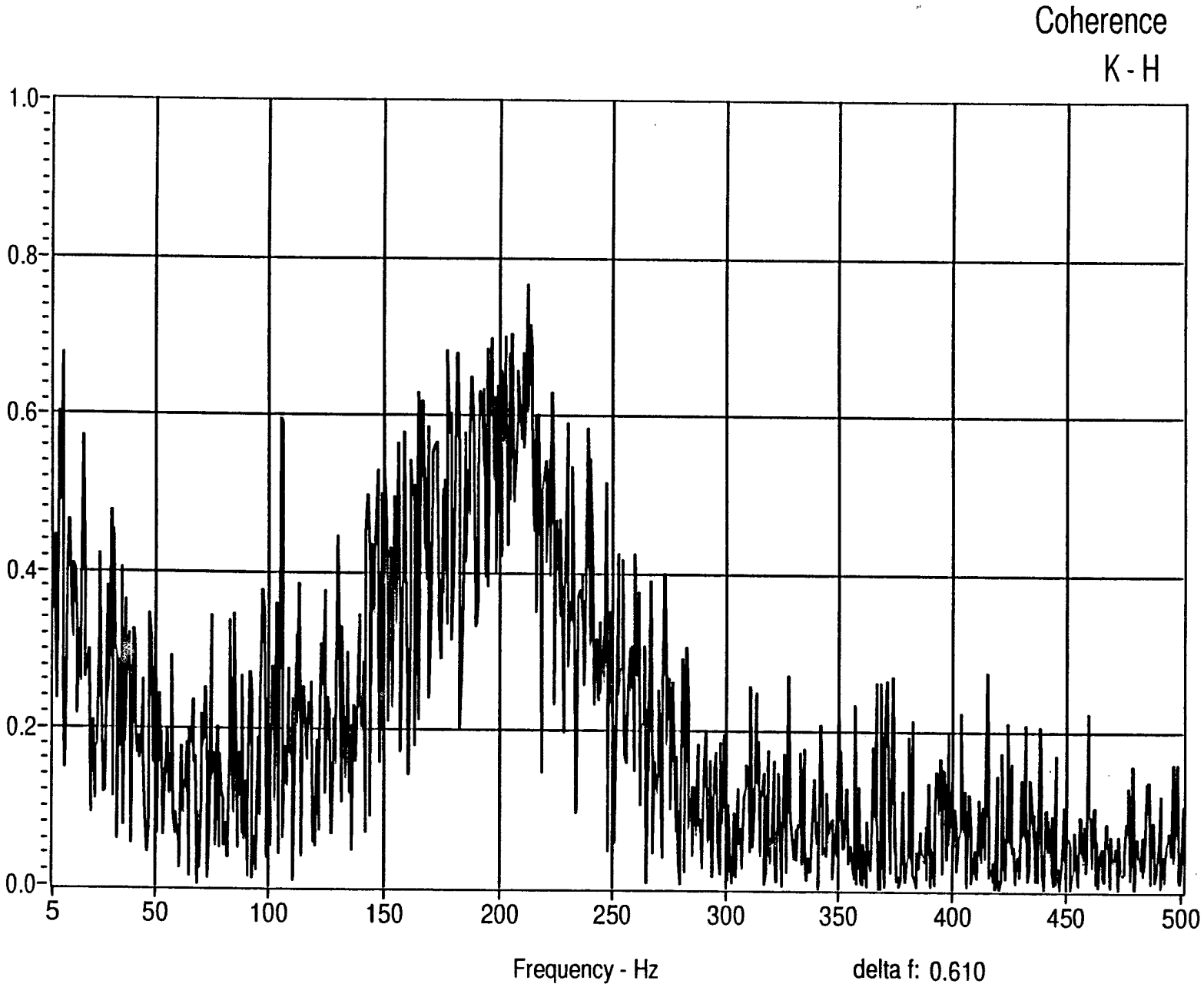
F-15 TPN_3040: alpha=20 beta=0 bp=65



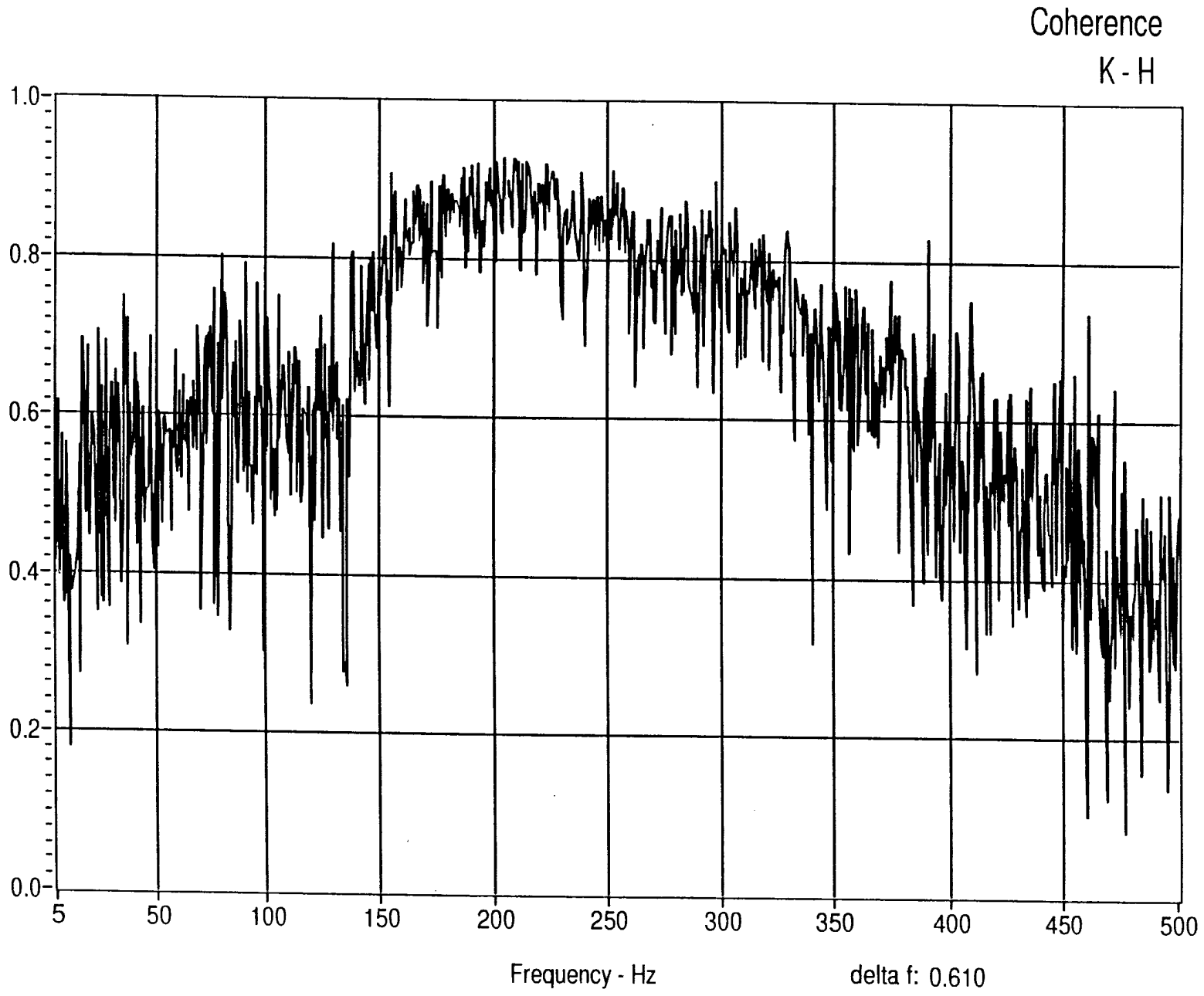
F-15 TPN_3042: alpha=24 beta=0 bp=65



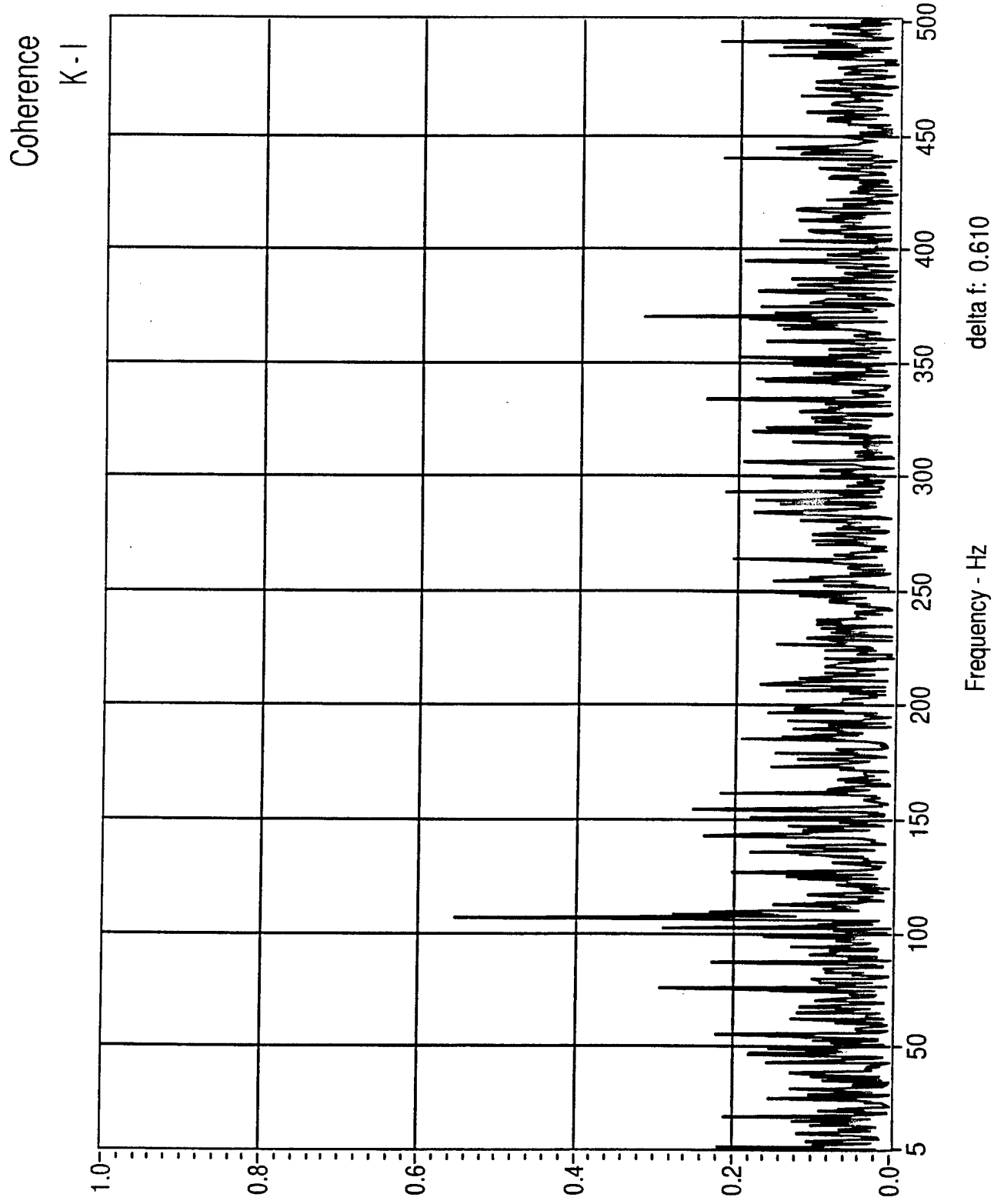
F-15 TPN_3034: alpha=20 beta=-4 bp=6



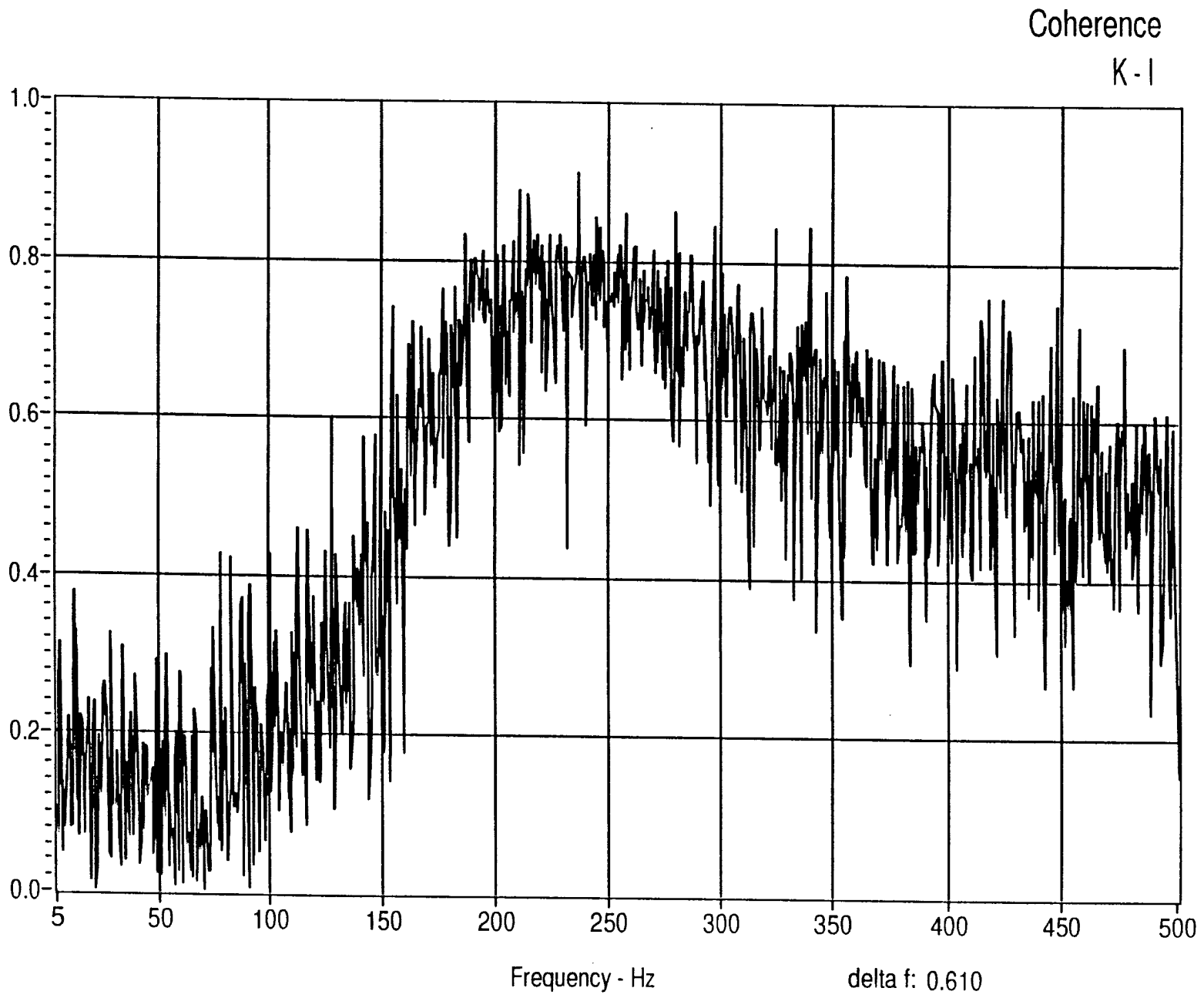
F-15 TPN_3036: alpha=24 beta=-4 bp=65



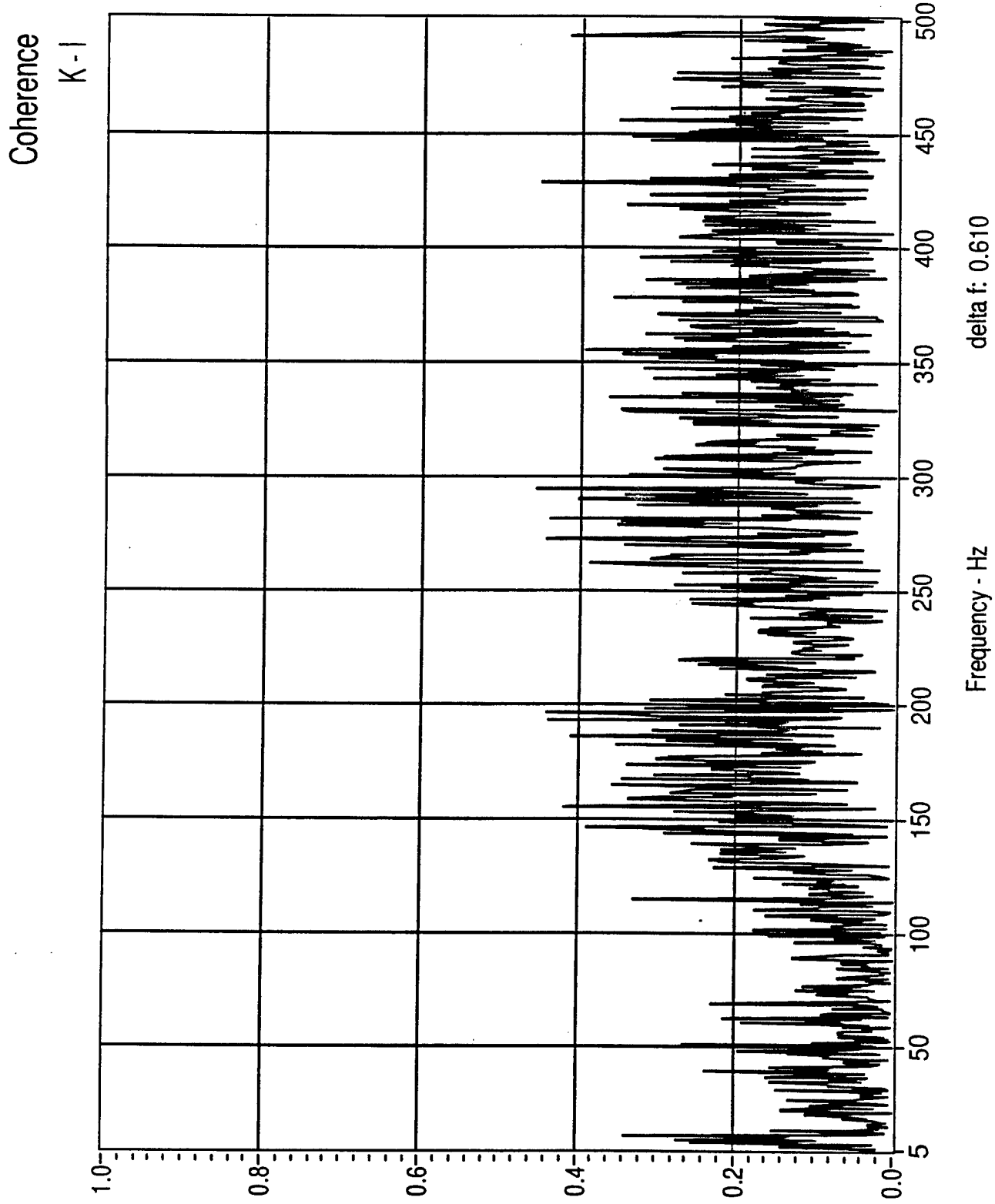
F-15 TPN_2918: alpha=8 beta=4 bp=0



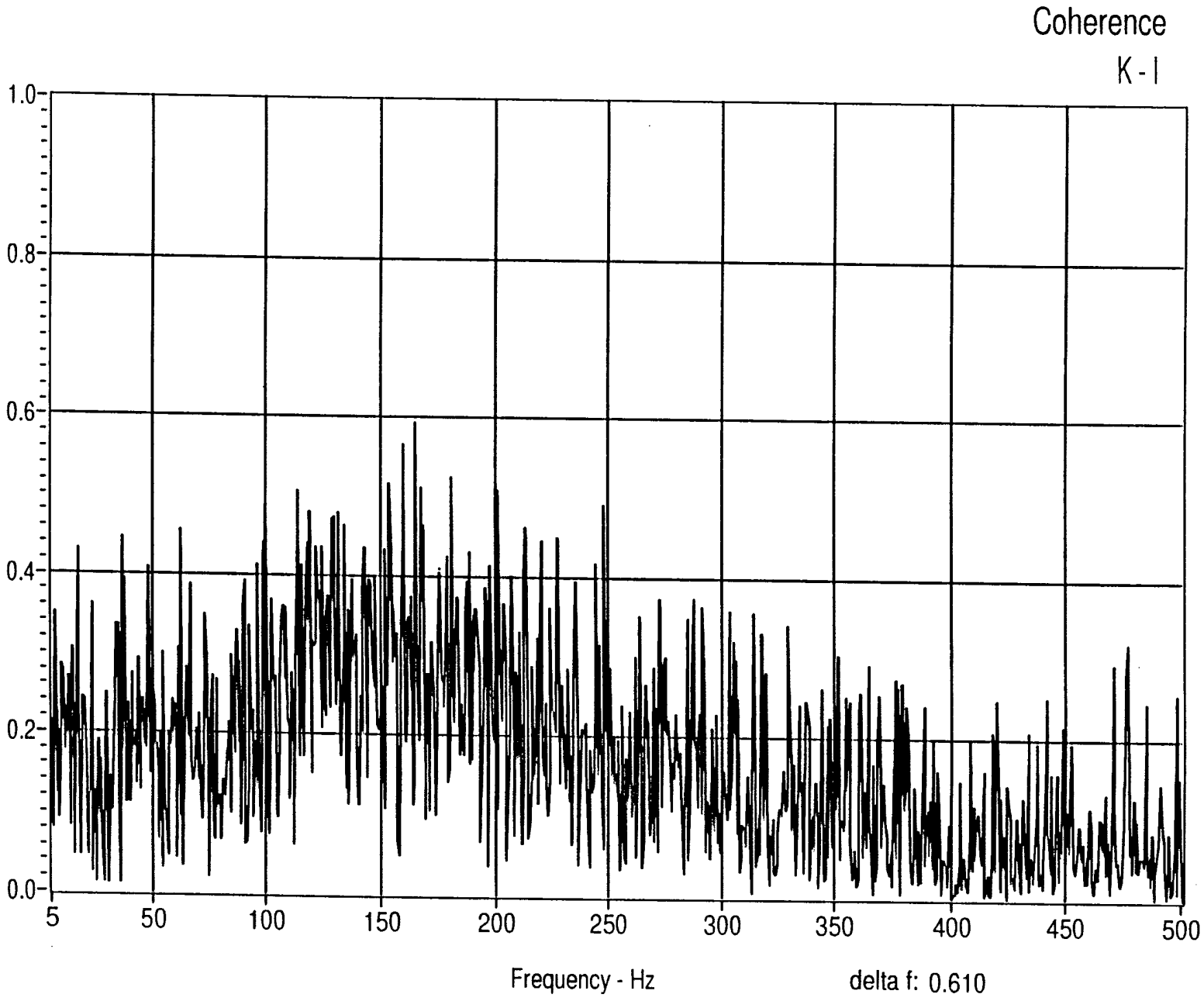
F-15 TPN_2924: alpha=20 beta=4 bp=0



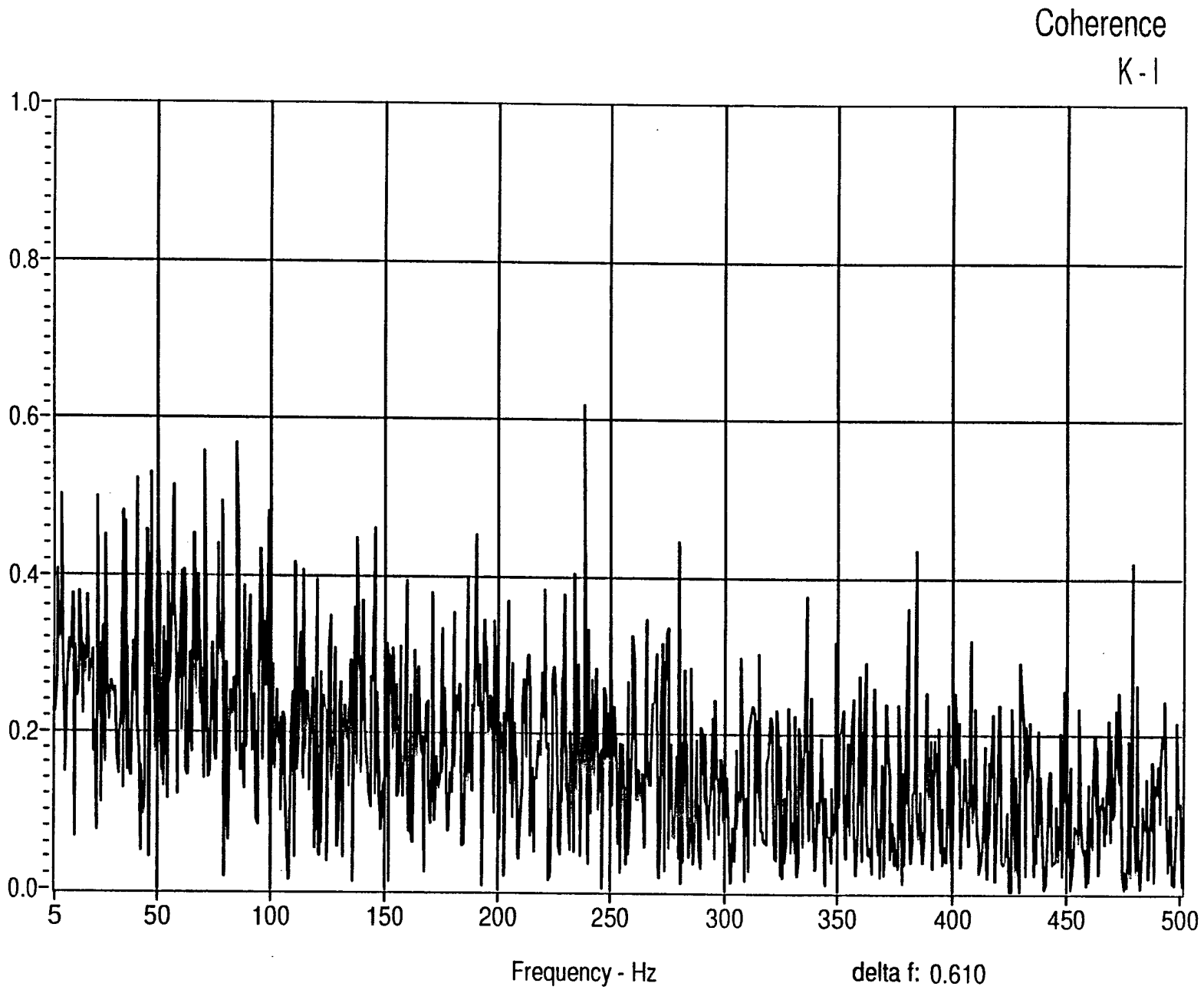
F-15 TPN_2926: alpha=24 beta=4 bp=0



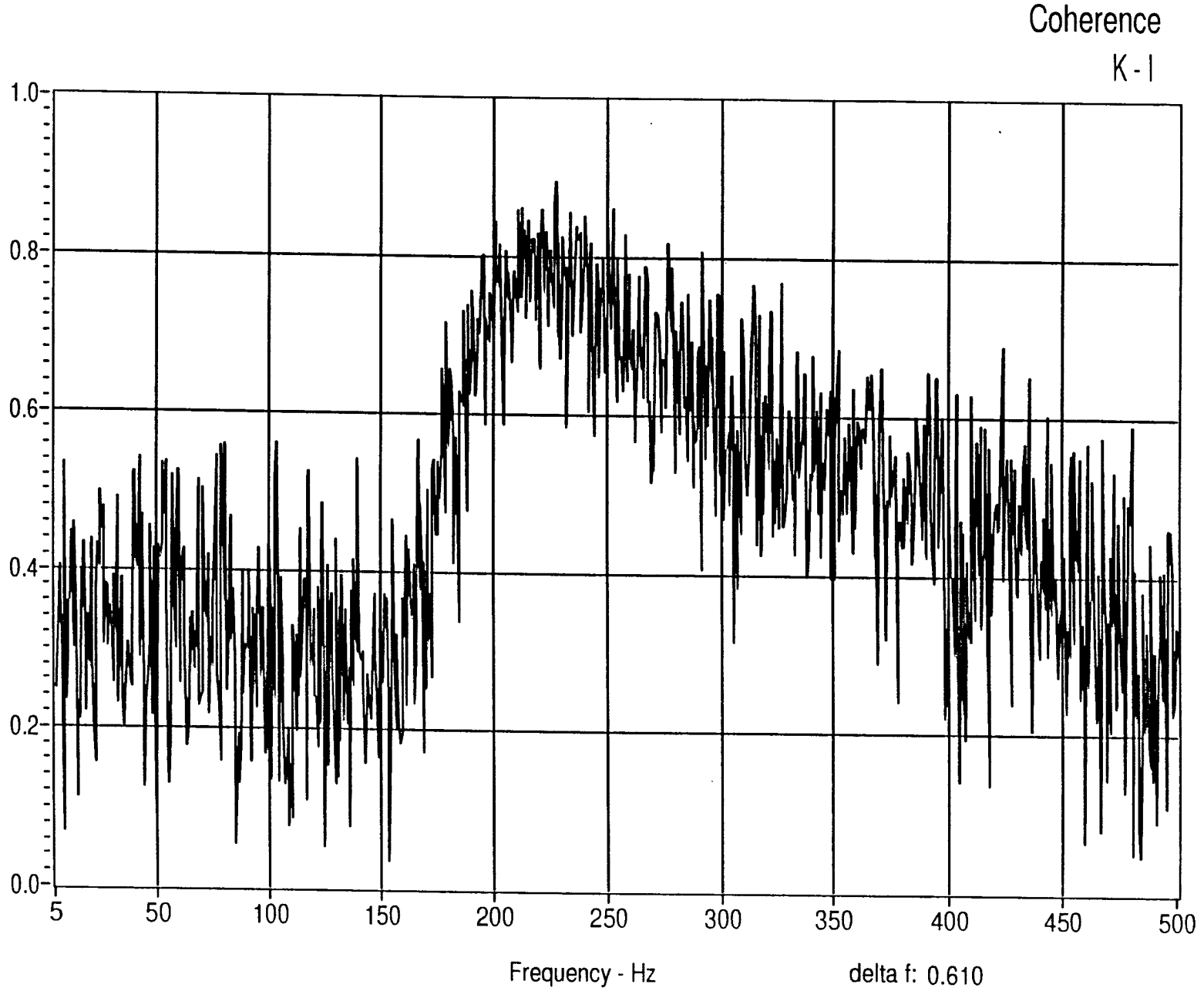
F-15 TPN_2928: alpha=32 beta=4 bp=0



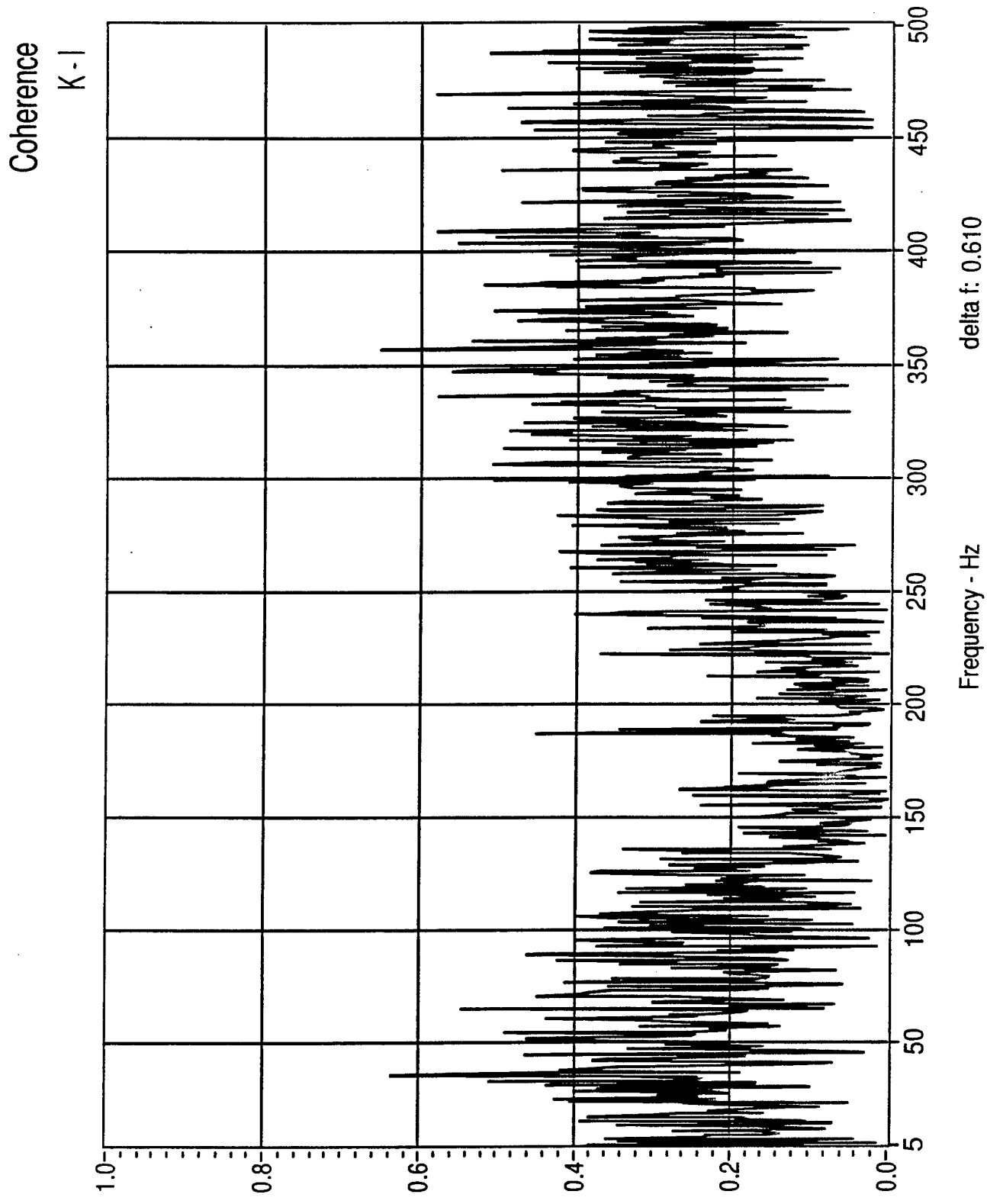
F-15 TPN_2844: alpha=8 beta=0 bp=0



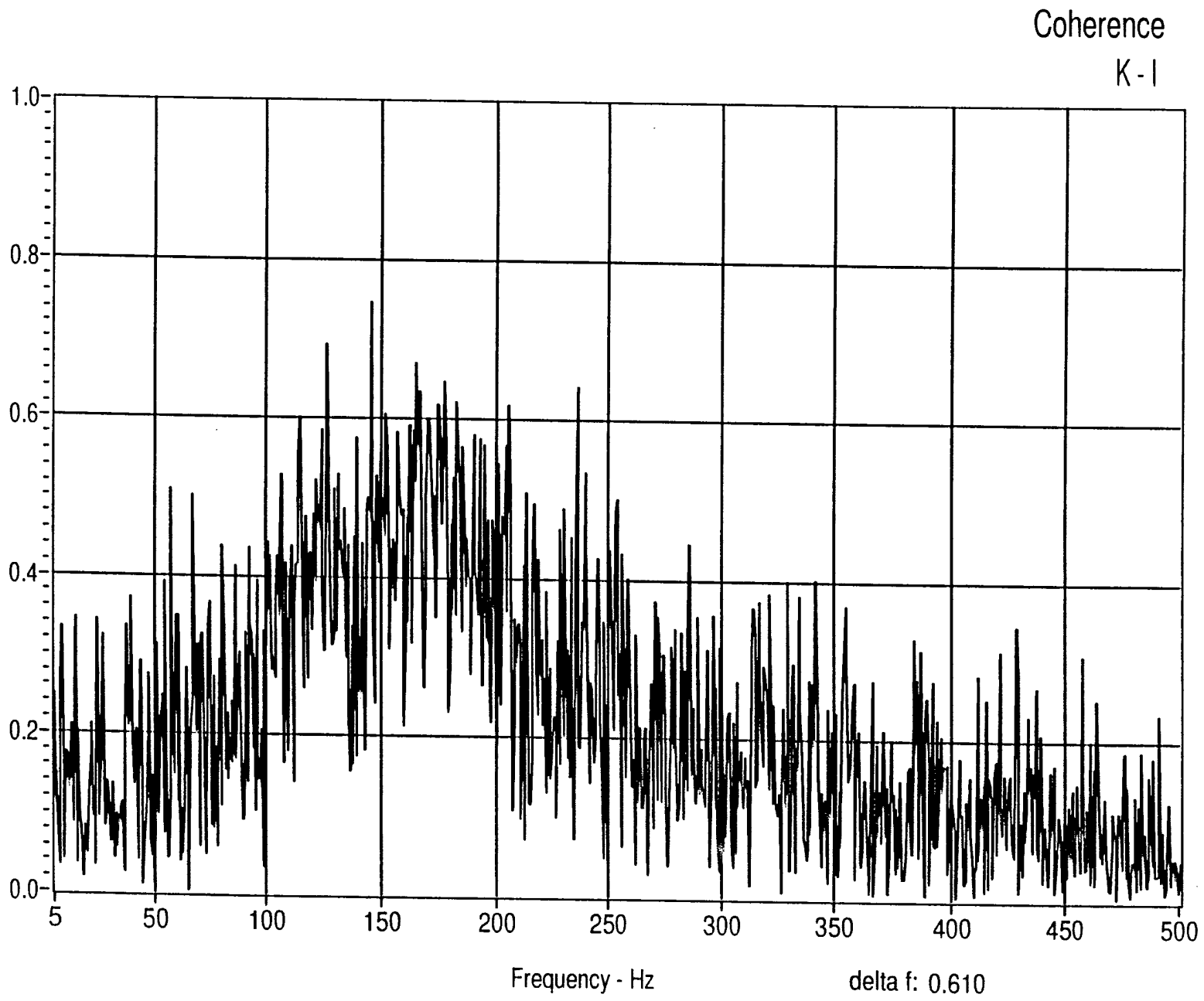
F-15 TPN_2850: alpha=20 beta=0 bp=0



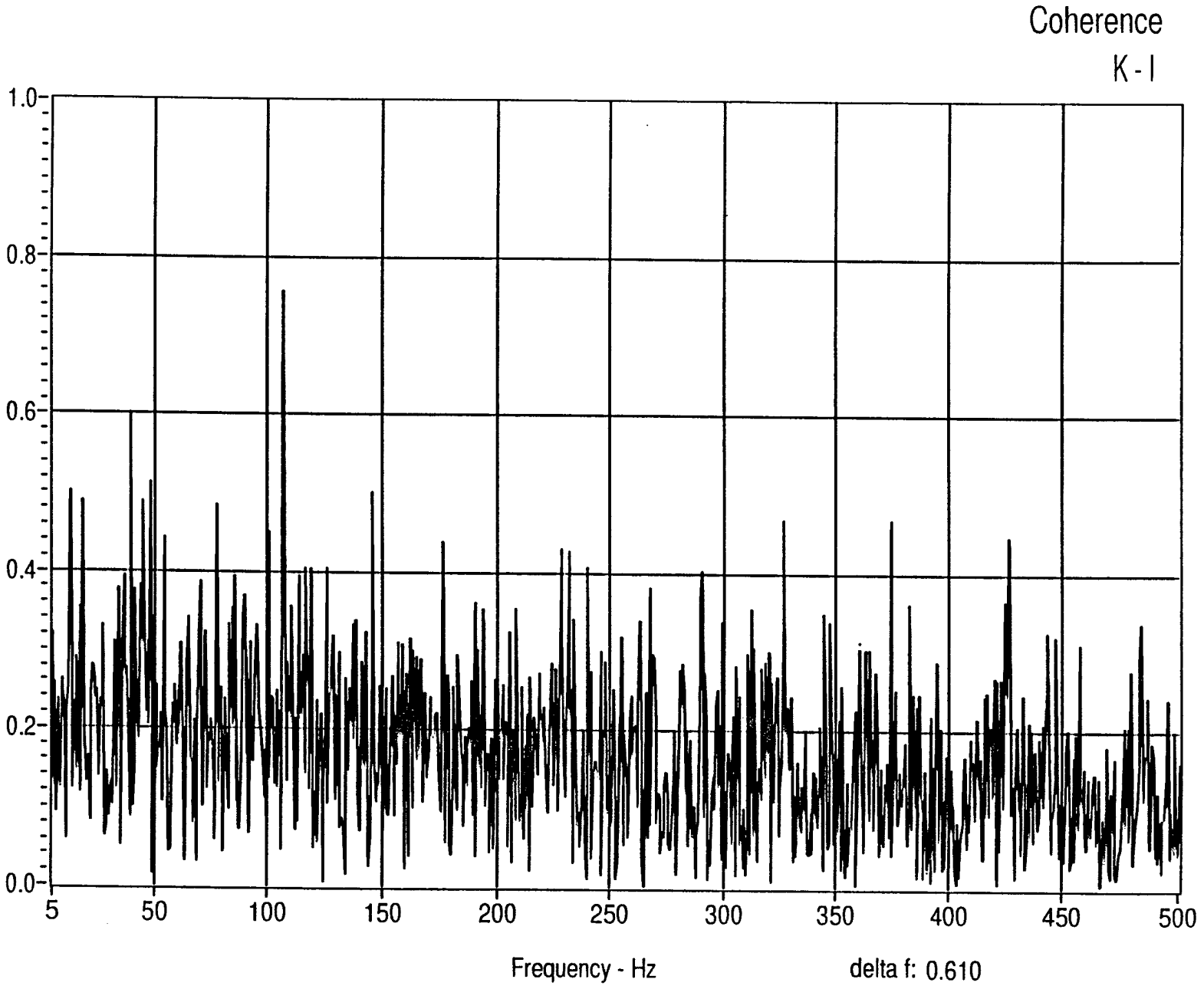
F-15 TPN_2852: alpha=24 beta=0 bp=0



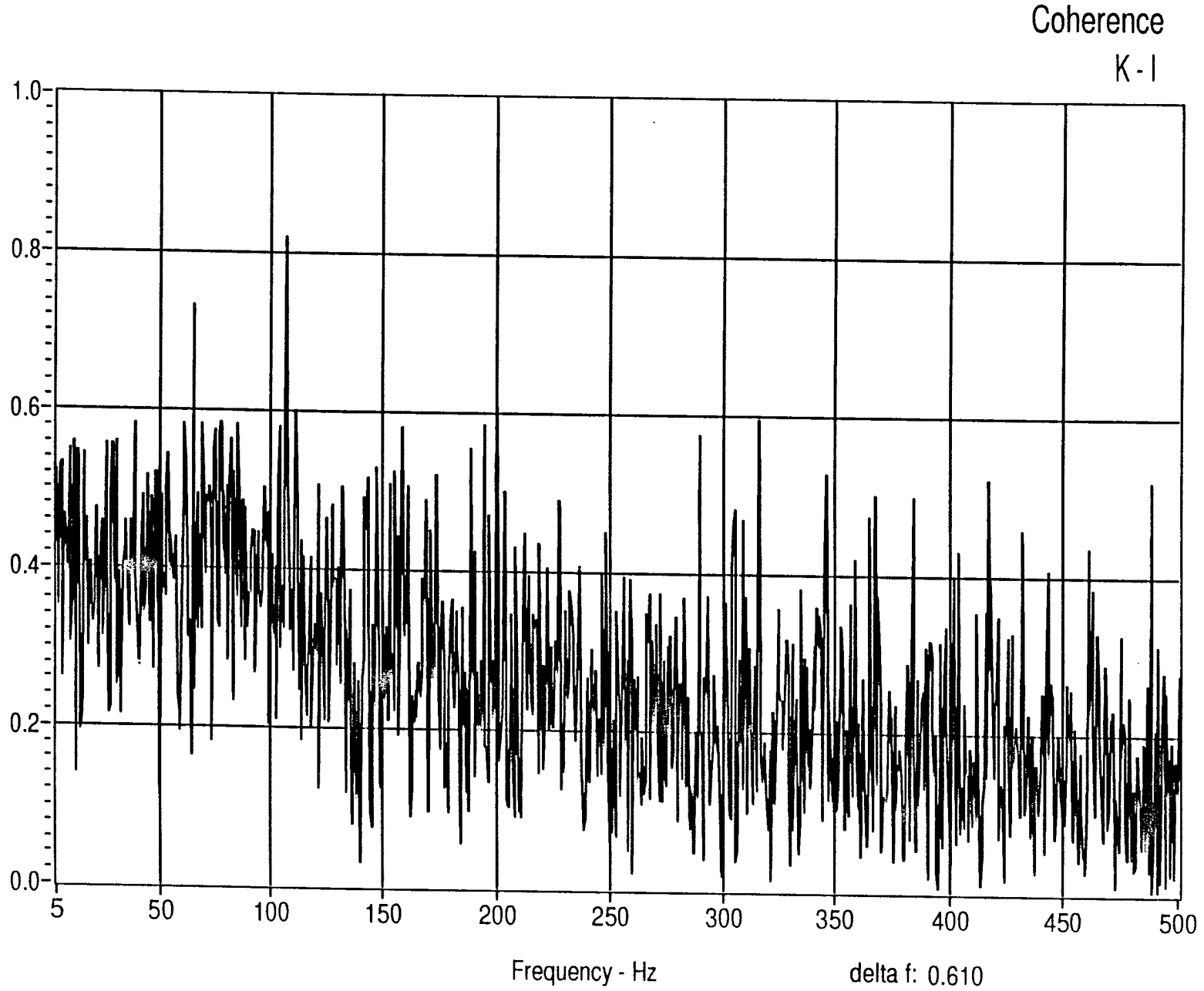
F-15 TPN_2854: alpha=32 beta=0 bp=0



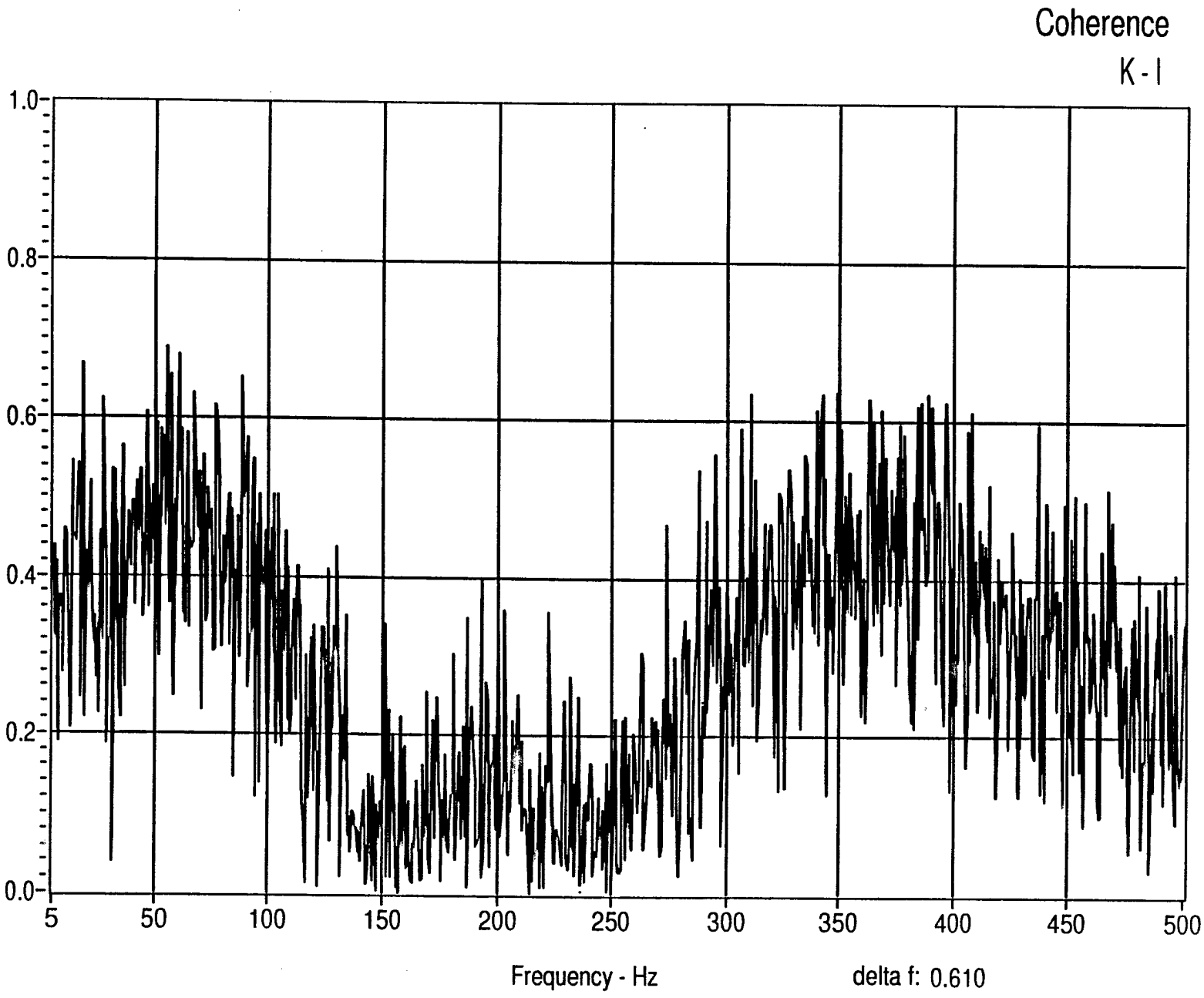
F-15 TPN_2864: alpha=8 beta=-4 bp=0



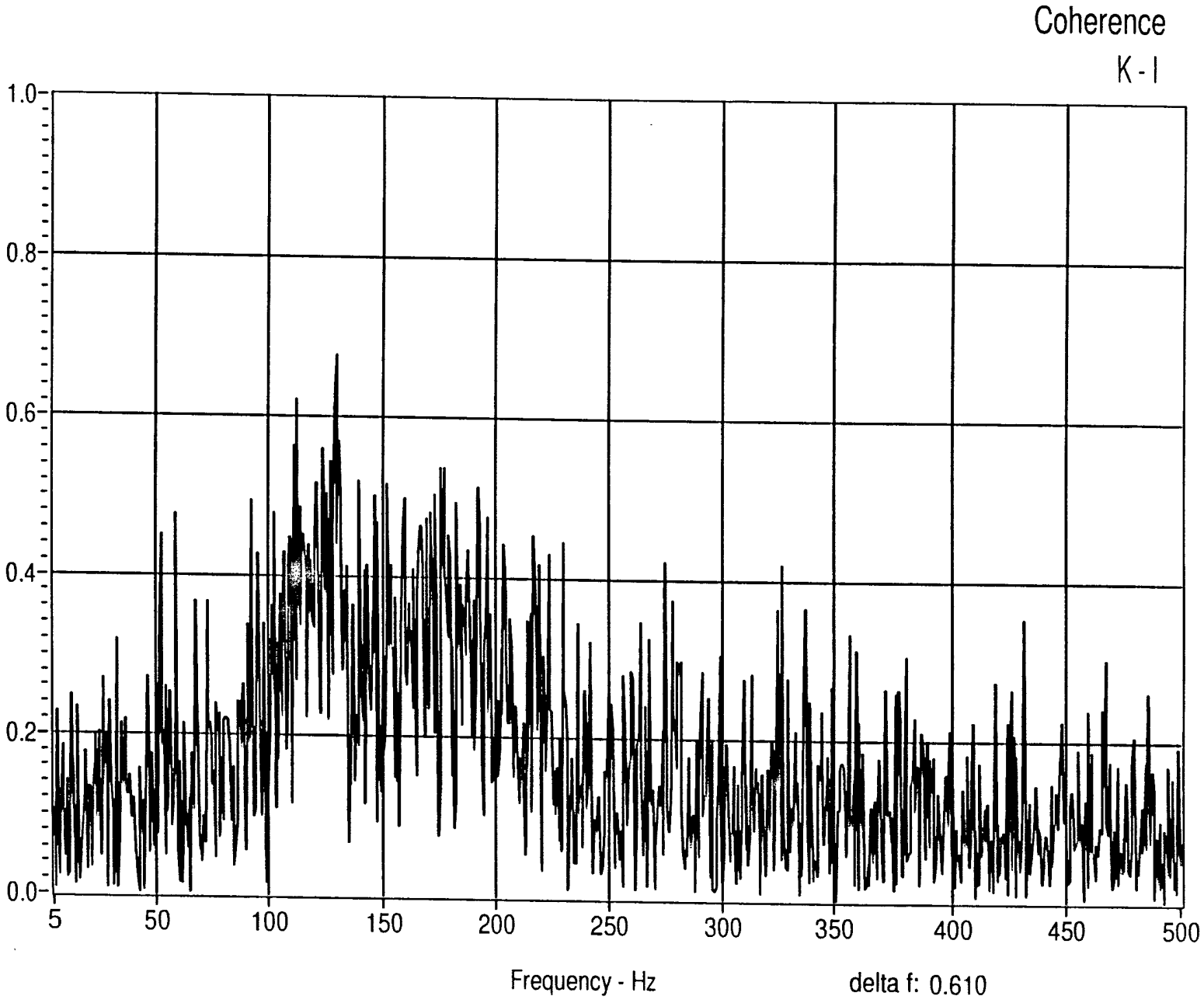
F-15 TPN_2870: alpha=20 beta=-4 bp=0



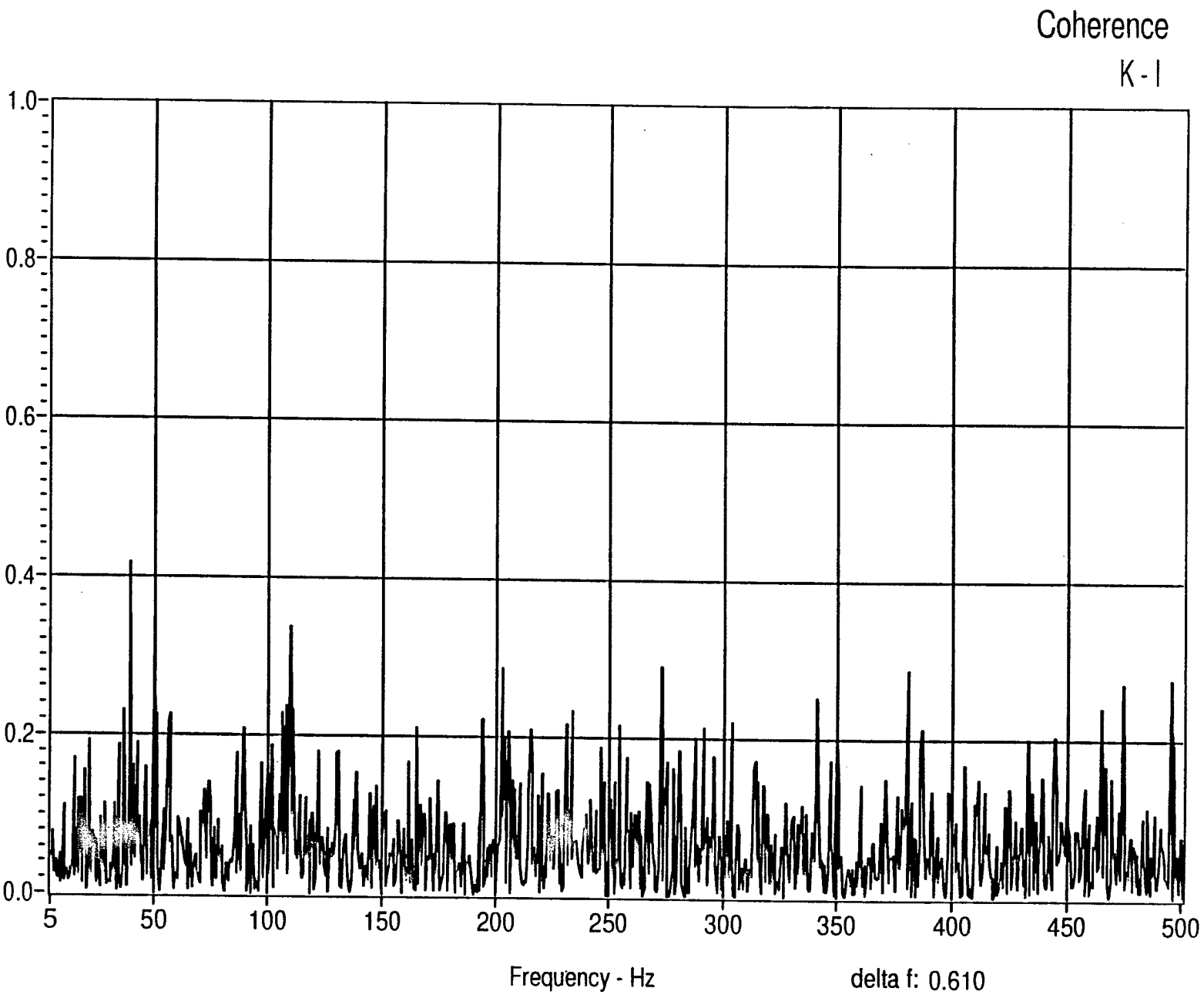
F-15 TPN_2872: alpha=24 beta=-4 bp=0



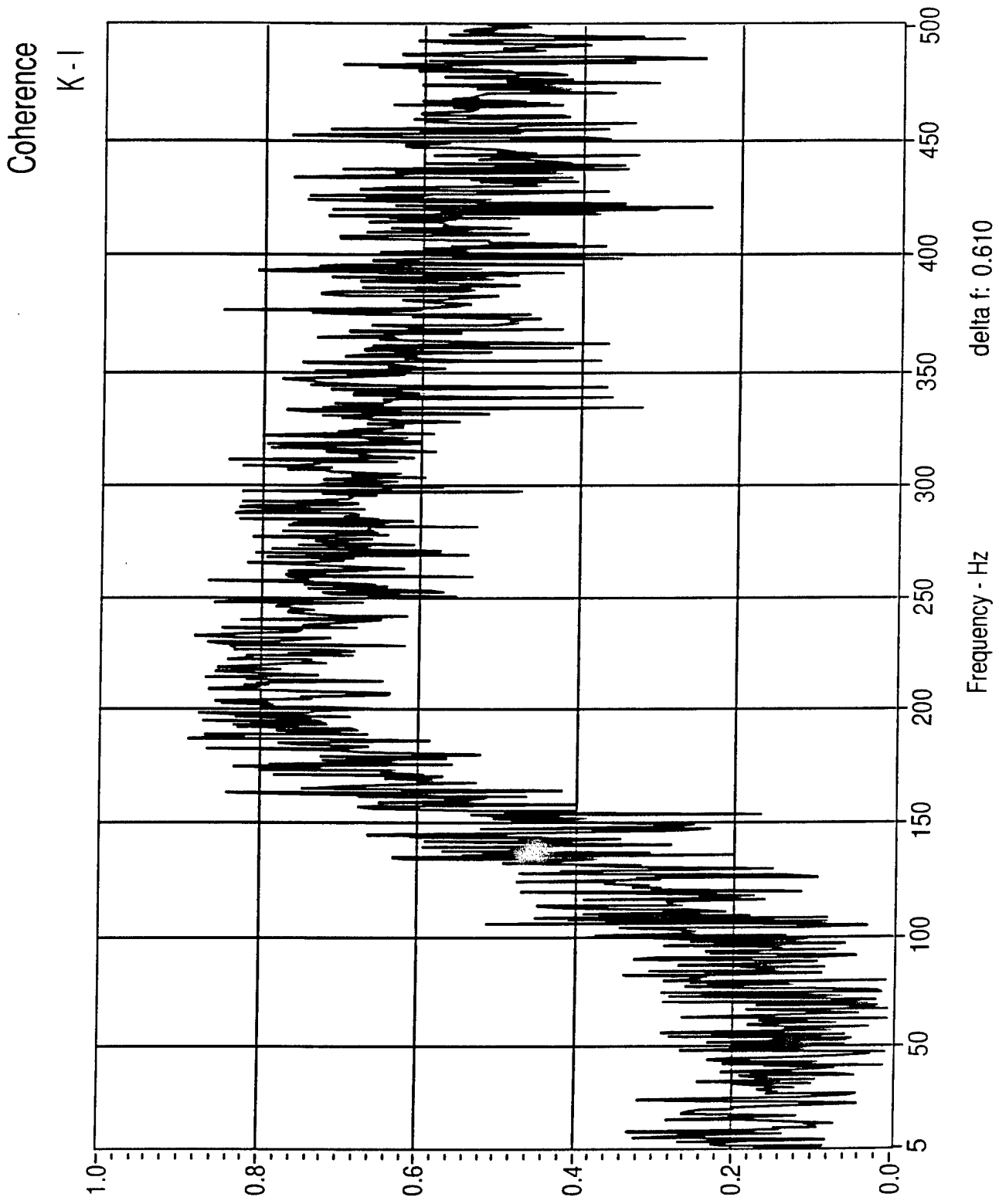
F-15 TPN_2874: alpha=32 beta=-4 bp=0



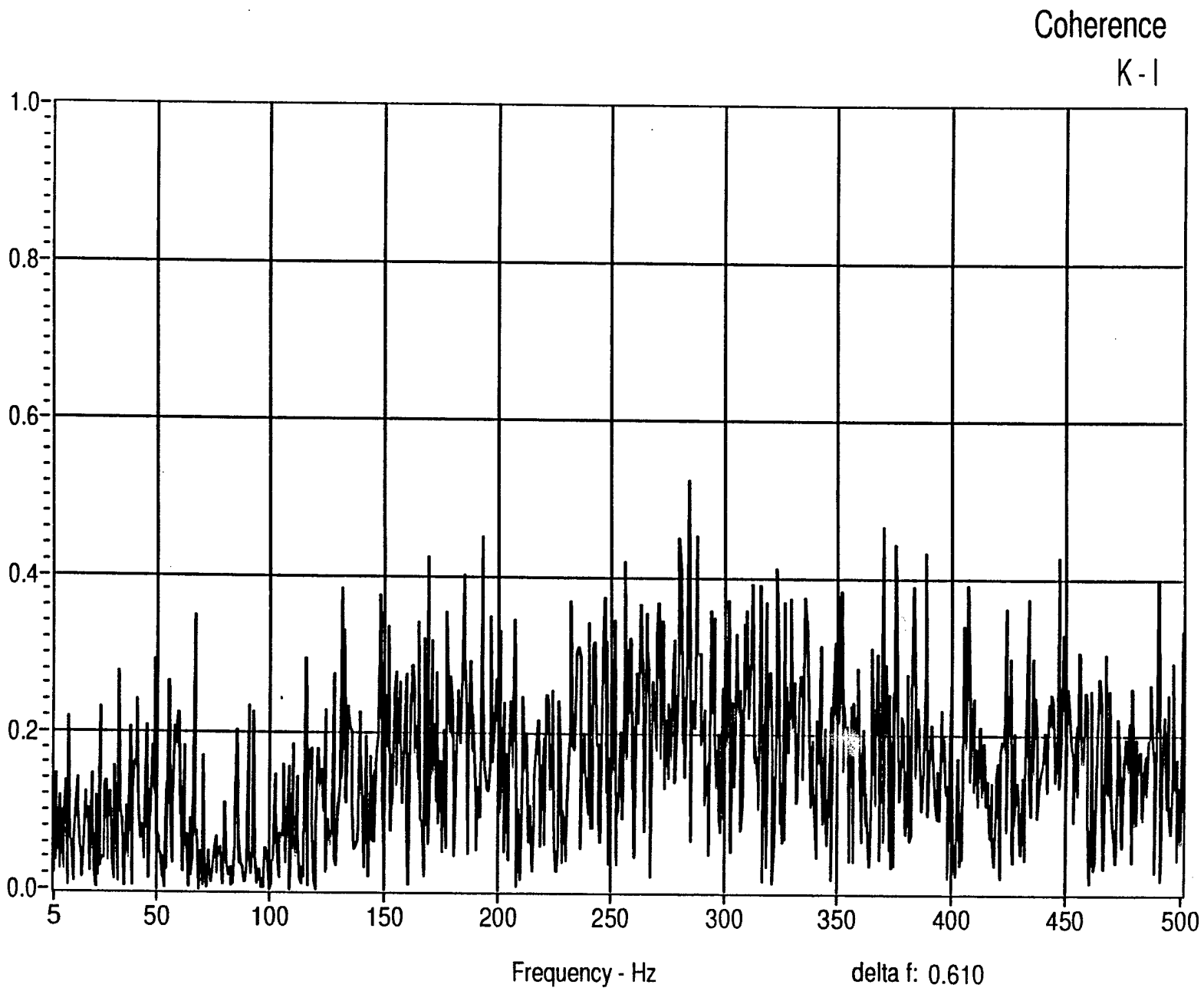
F-15 TPN_3351: alpha=8 beta=4 bp=45



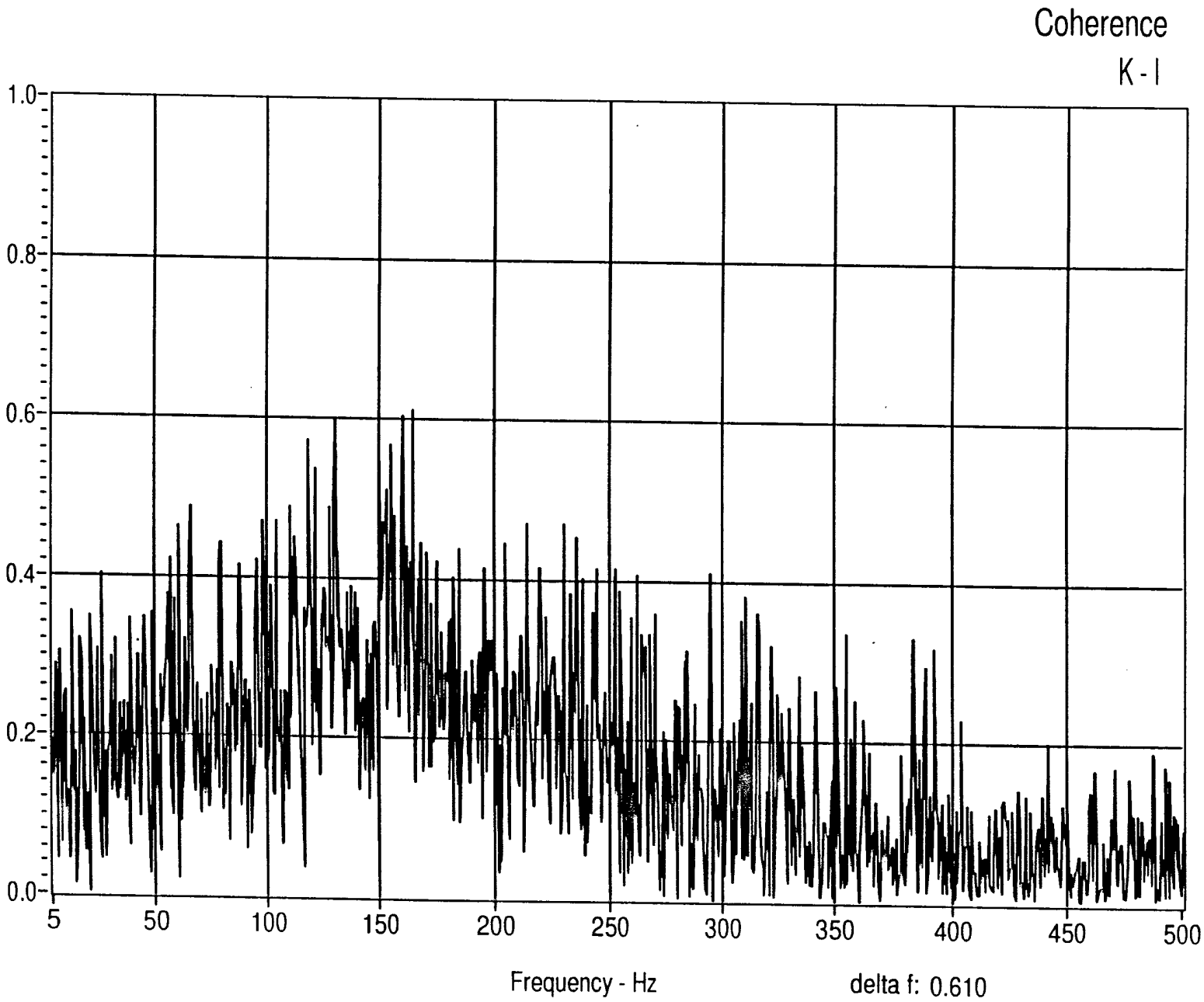
F-15 TPN_3357: alpha=20 beta=4 bp=45



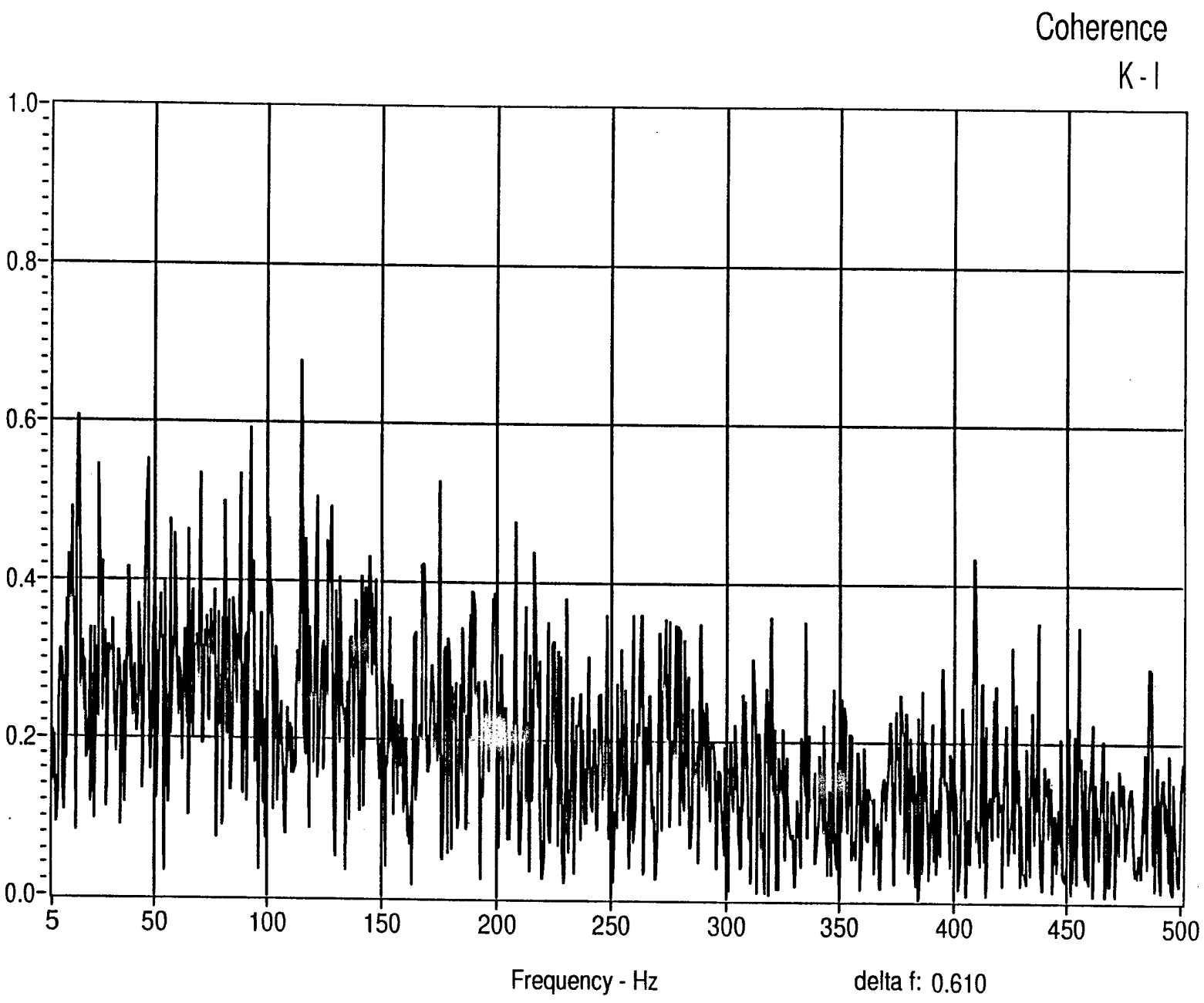
F-15 TPN_3359: alpha=24 beta=4 bp=45



F-15 TPN_3361: alpha=32 beta=4 bp=45

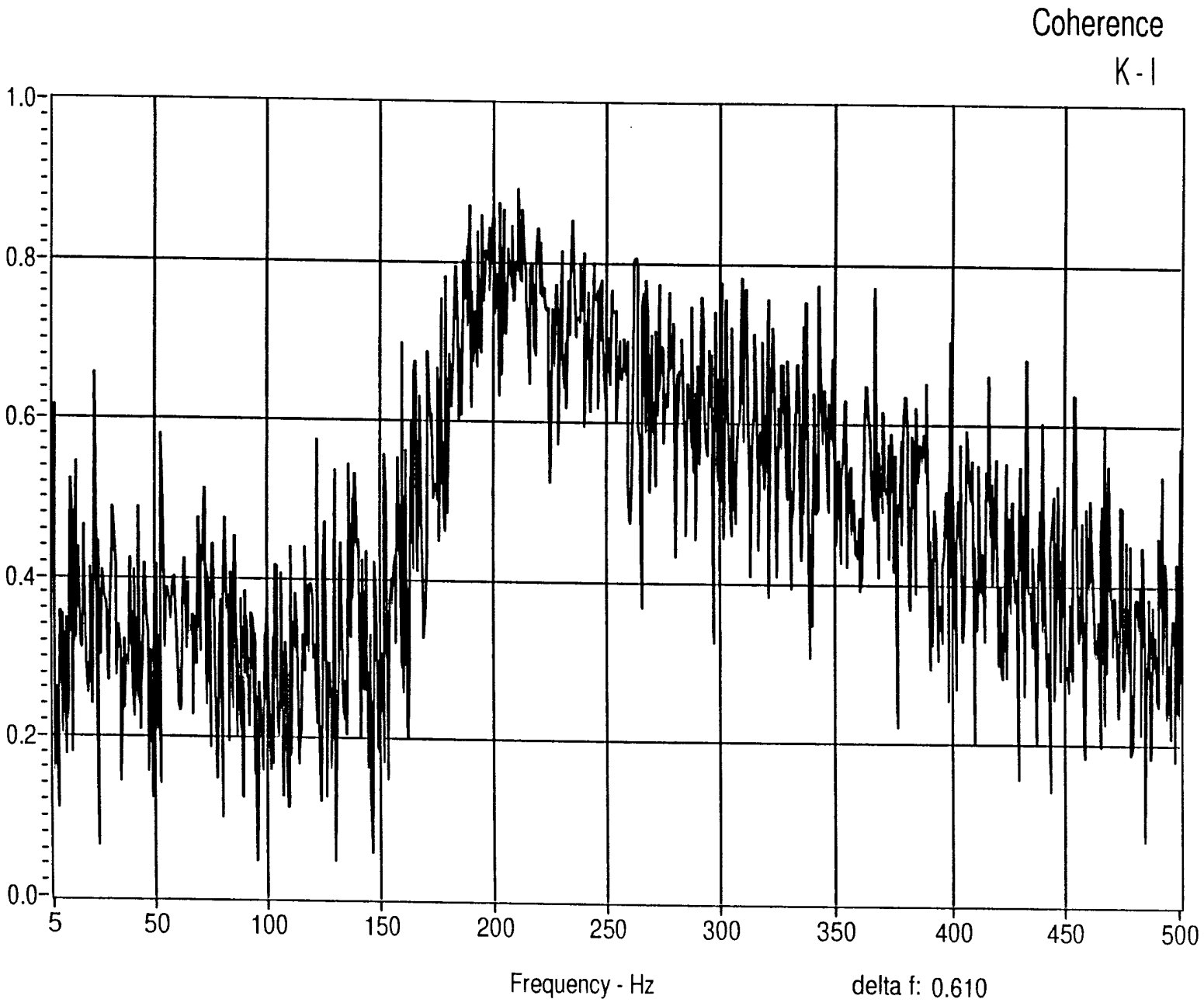


F-15 TPN_3333: alpha=8 beta=0 bp=45

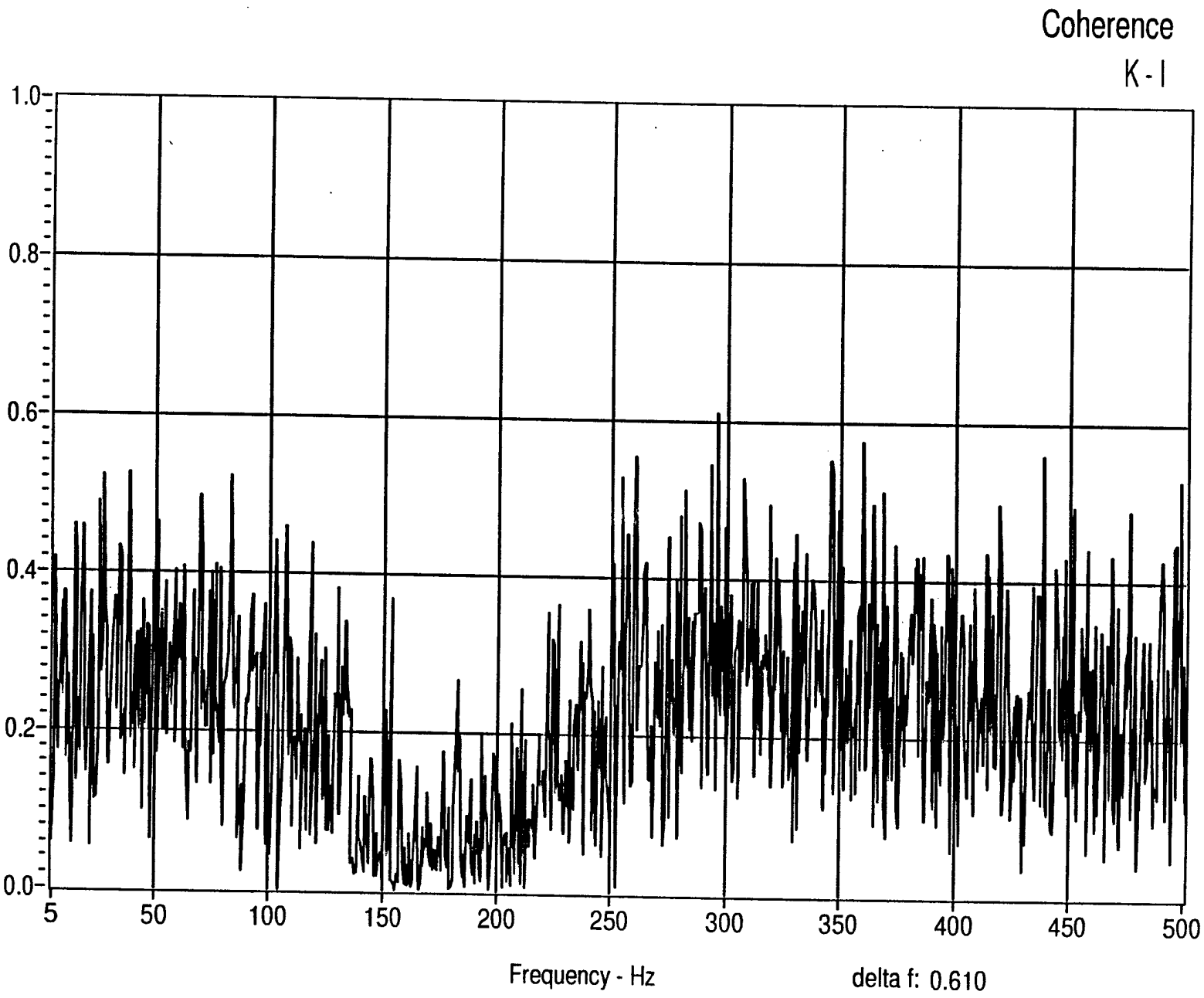


967

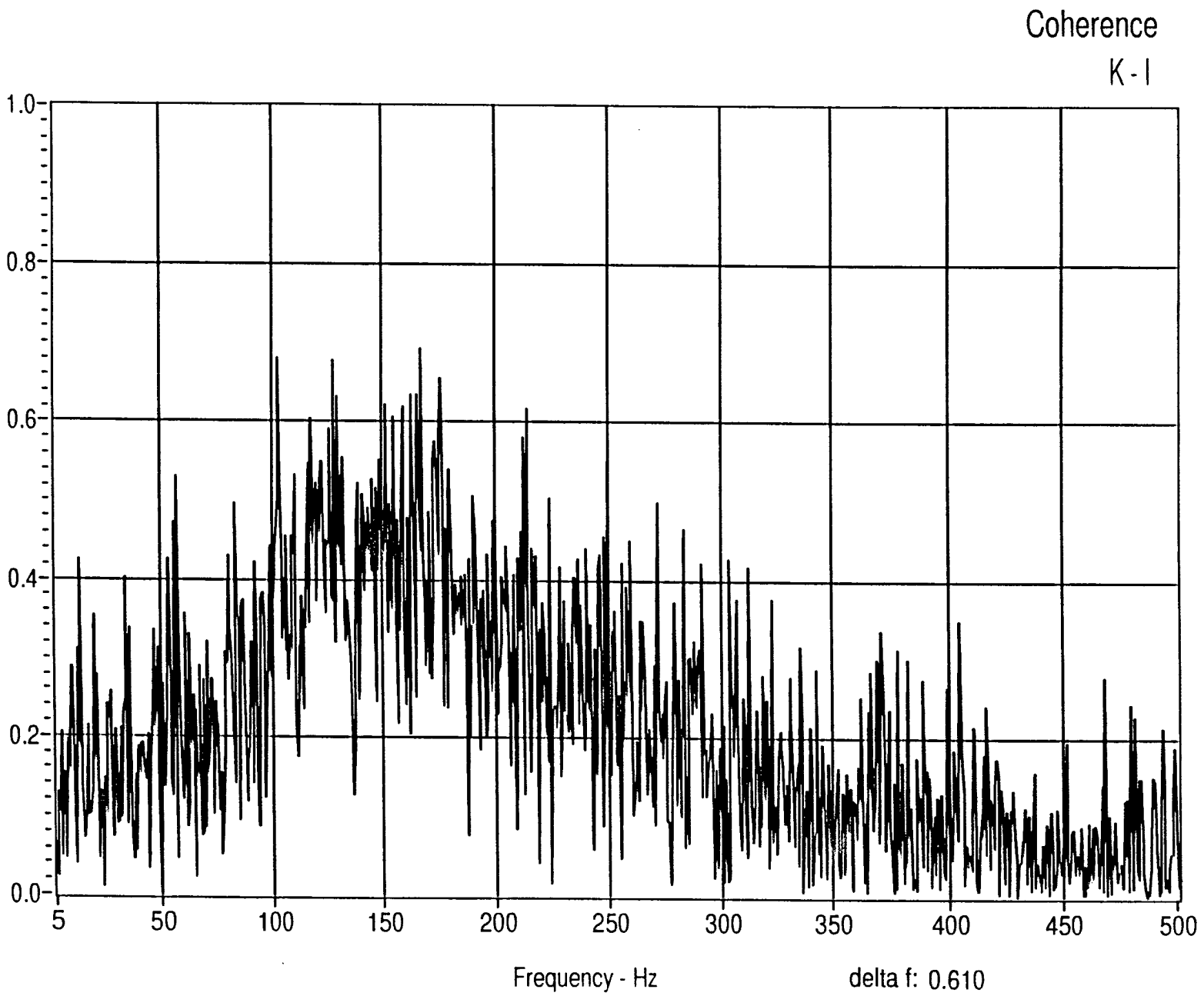
F-15 TPN_3339: alpha=20 beta=0 bp=45



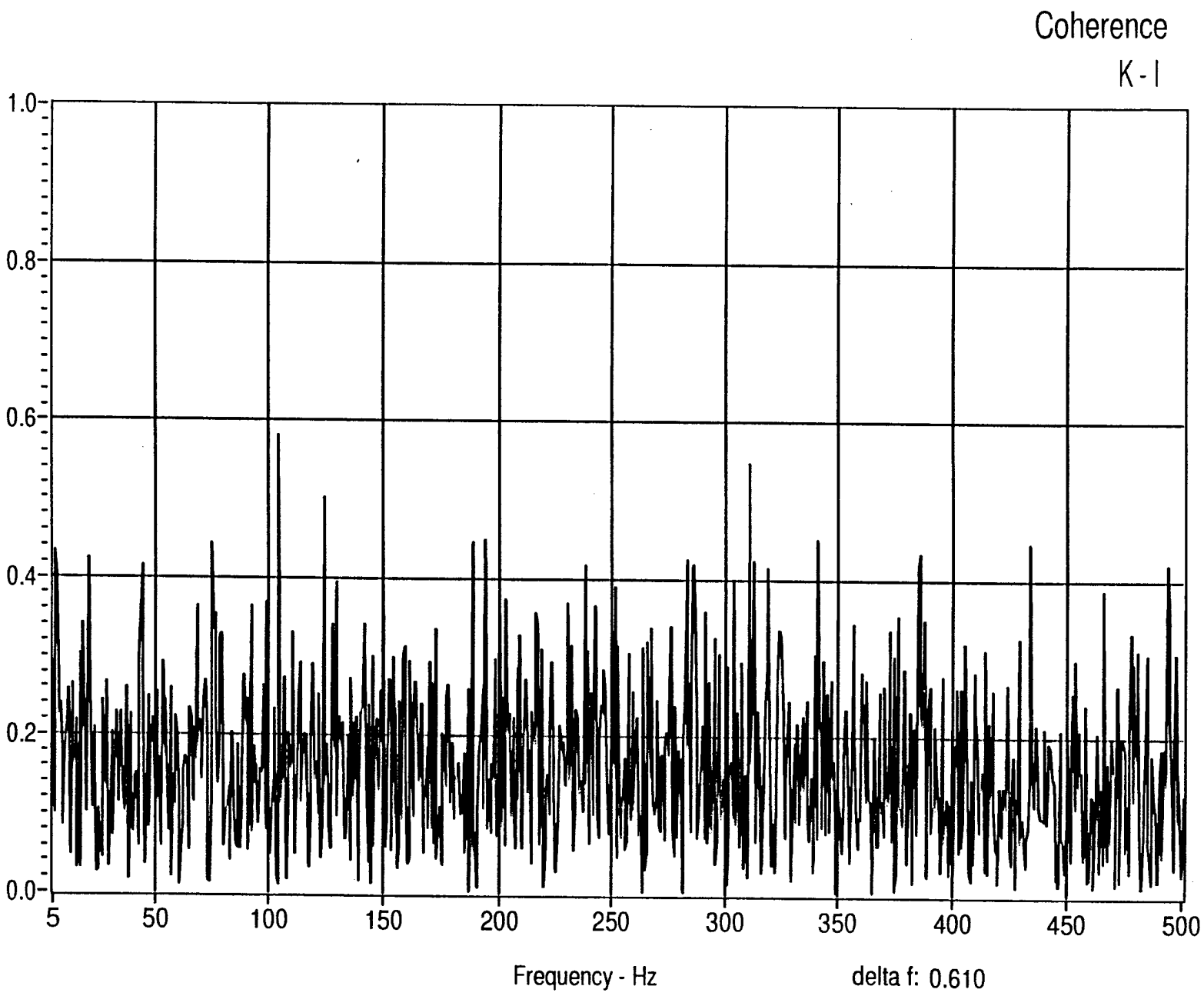
F-15 TPN_3341: alpha=24 beta=0 bp=45



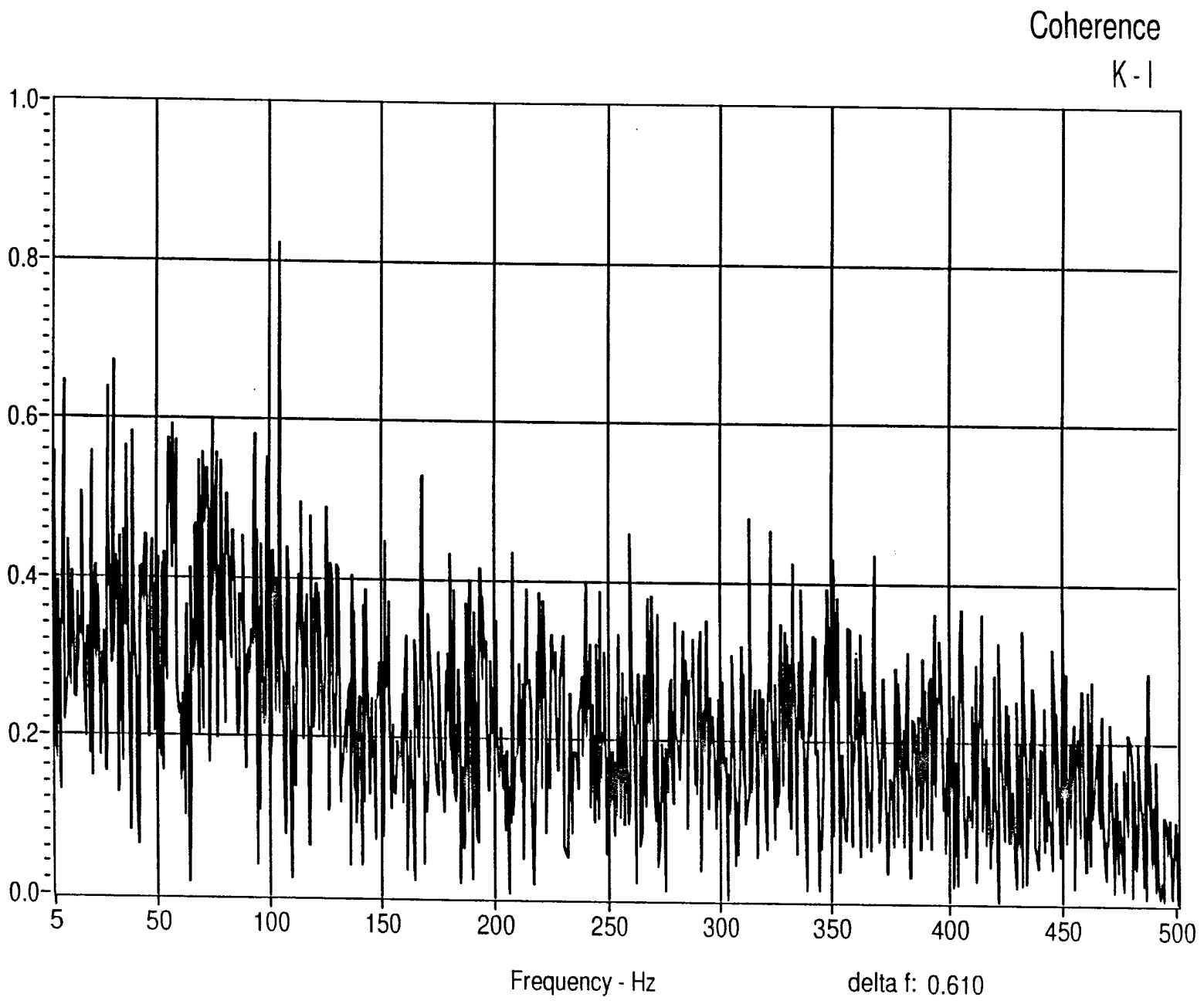
F-15 TPN_3343: alpha=32 beta=0 bp=45



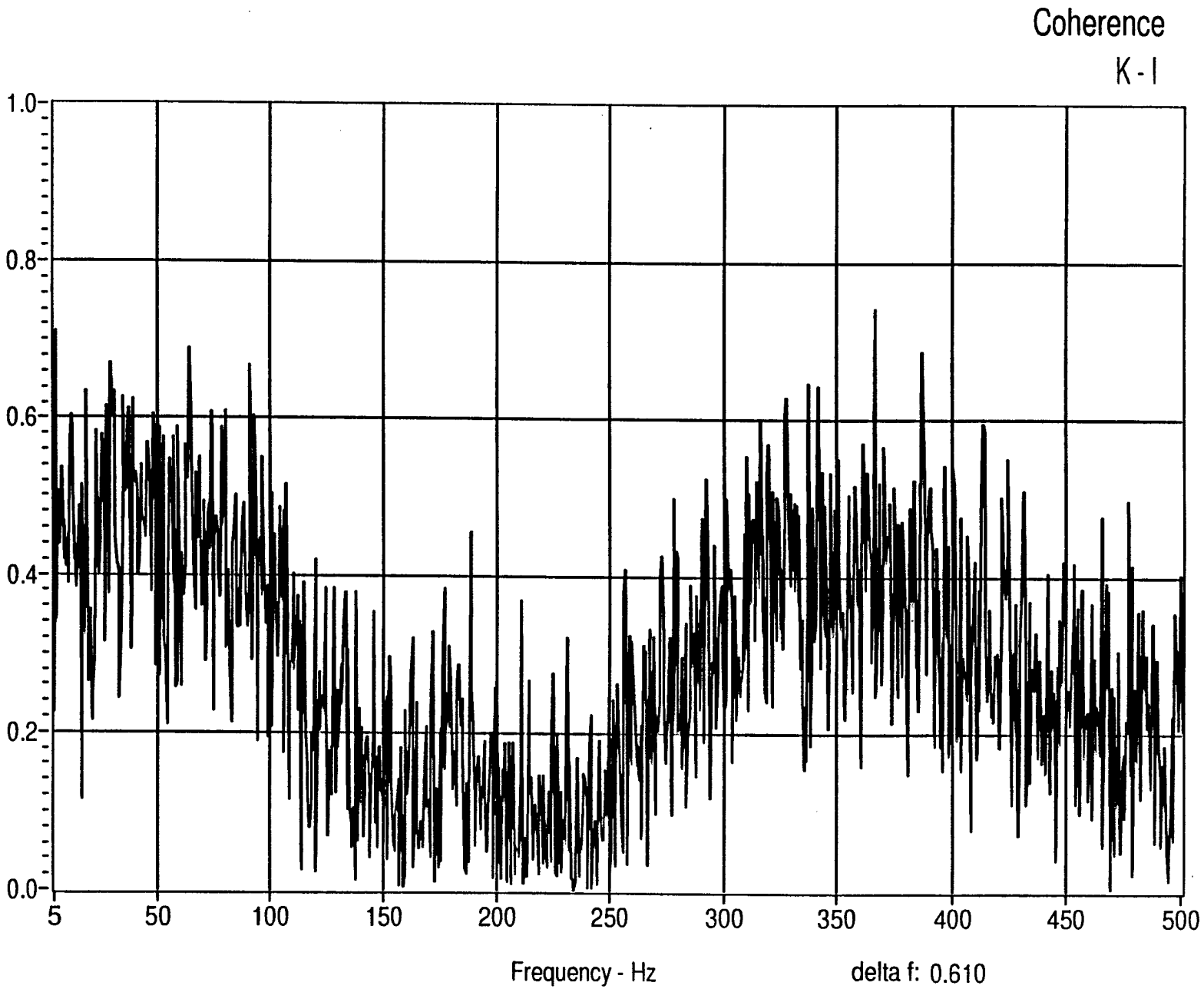
F-15 TPN_3369: alpha=8 beta=-4 bp=45



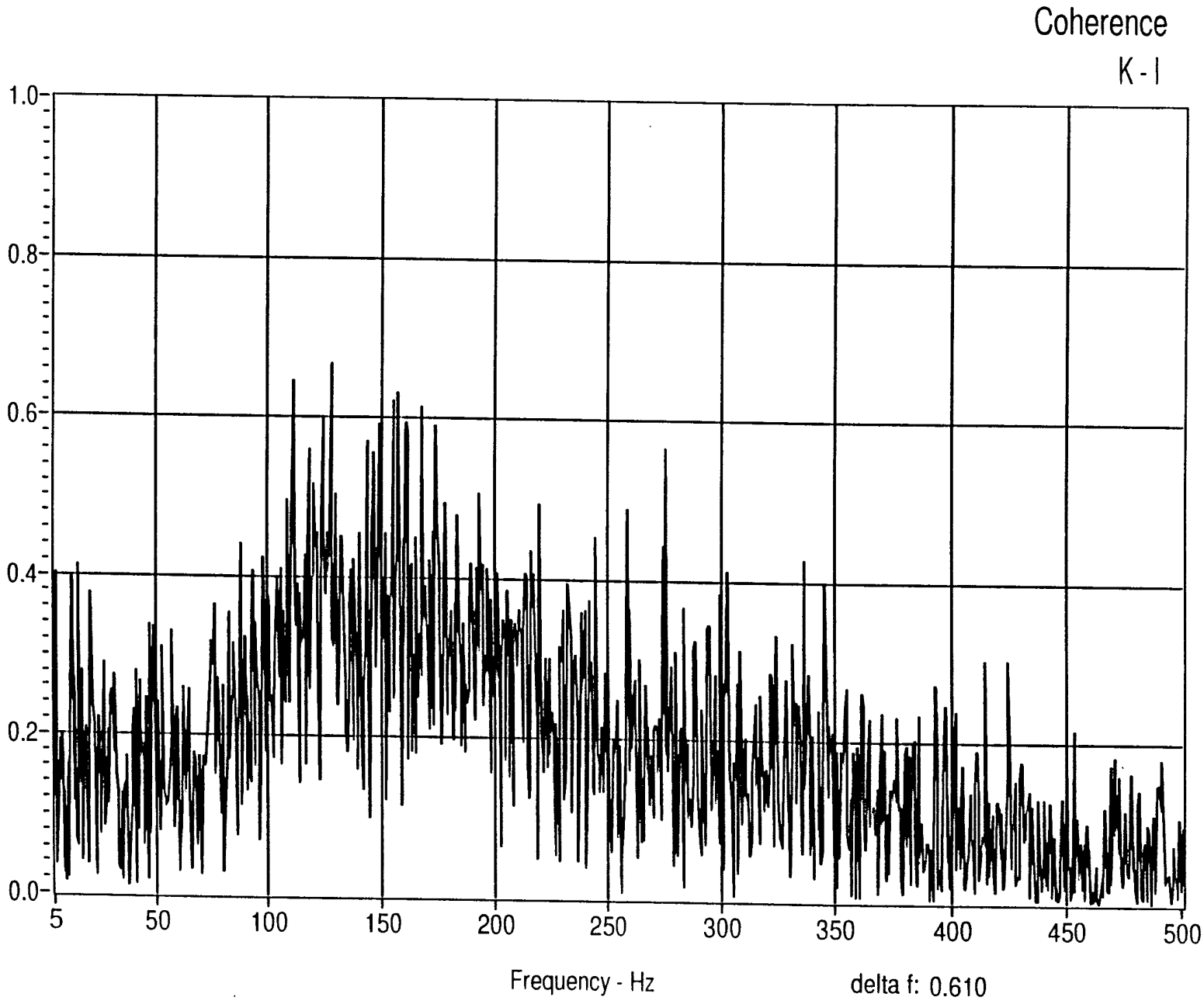
F-15 TPN_3375: alpha=20 beta=-4 bp=45



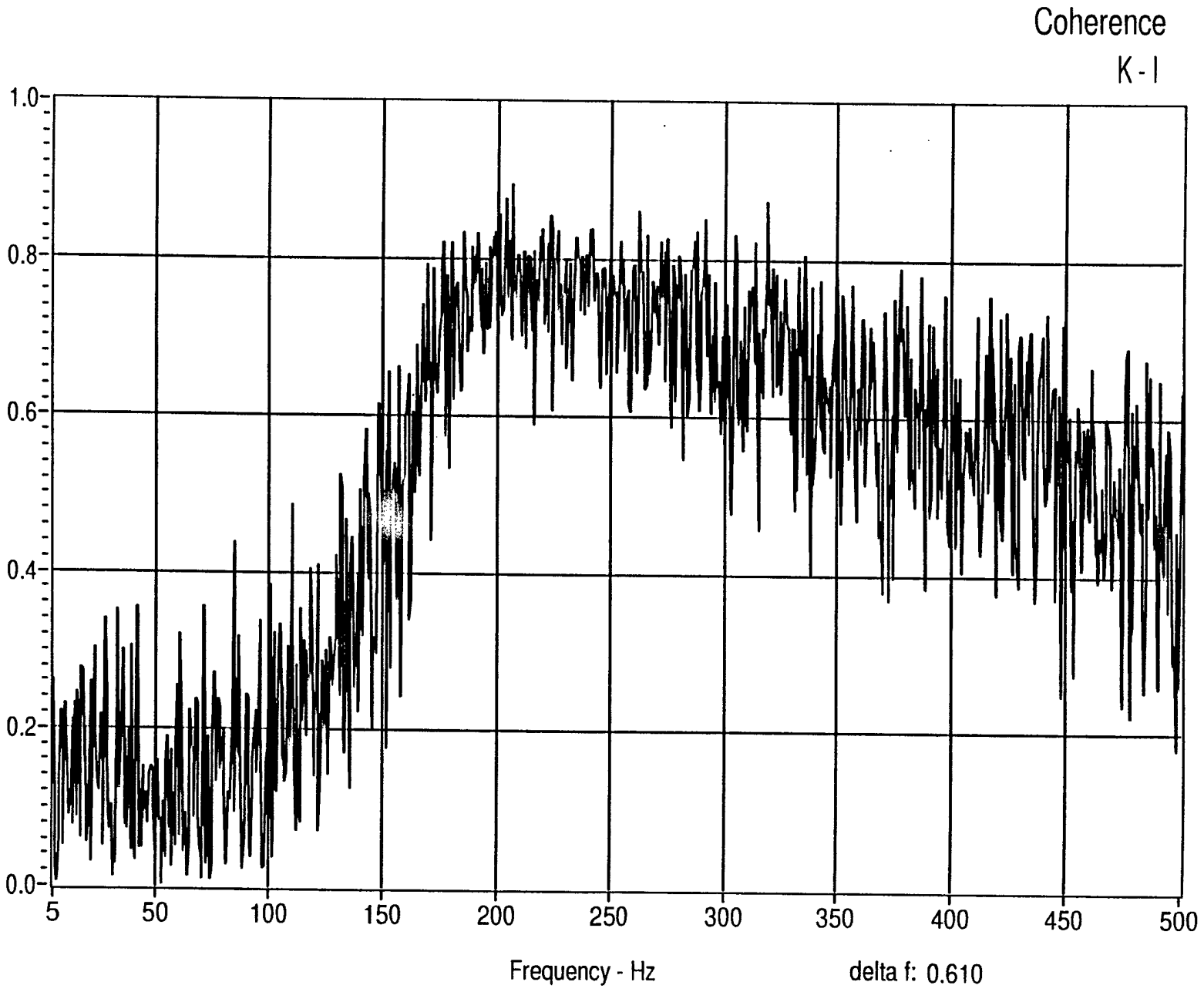
F-15 TPN_3377: alpha=24 beta=-4 bp=45



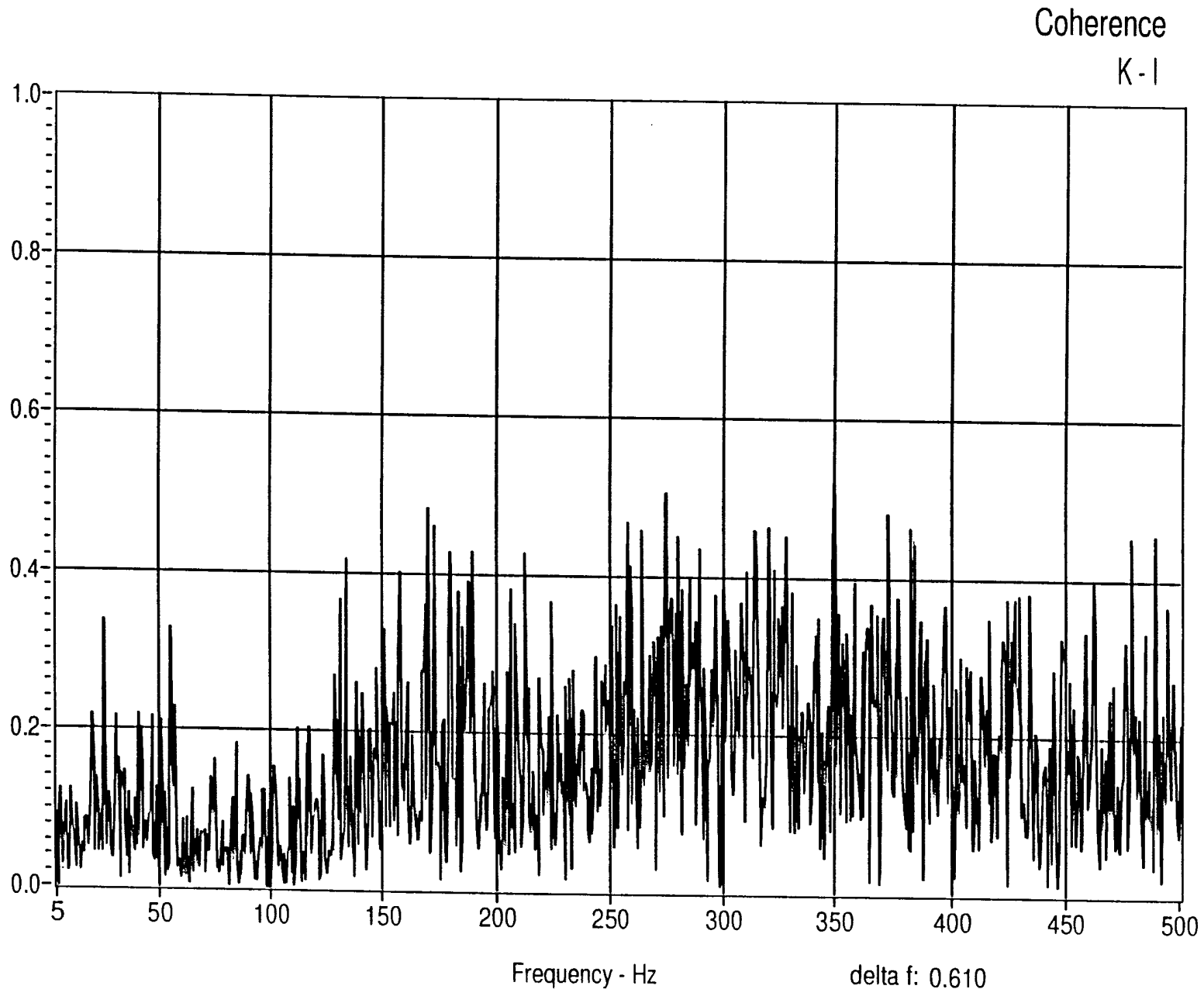
F-15 TPN_3379: alpha=32 beta=-4 bp=45



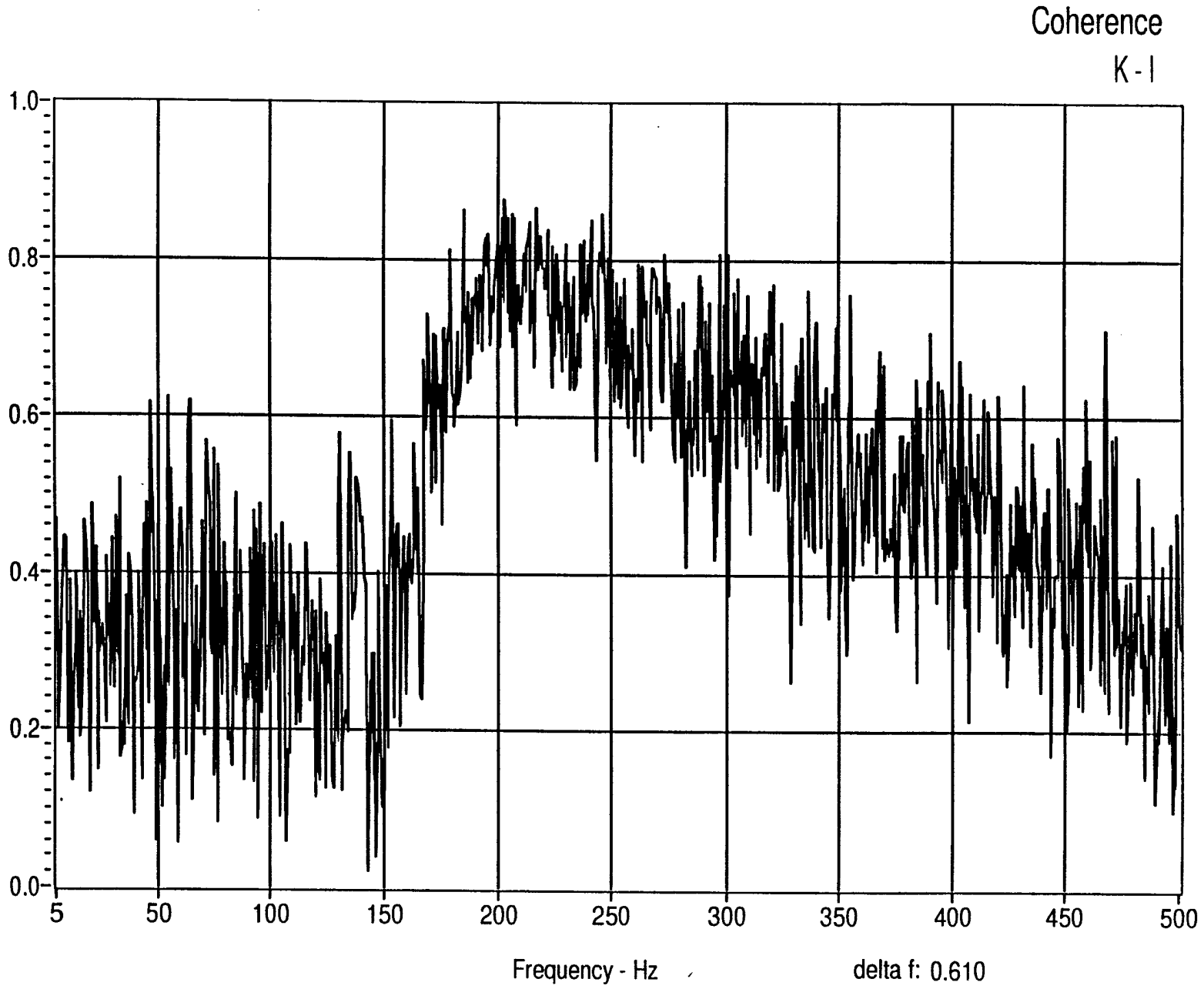
F-15 TPN_3046: alpha=20 beta=4 bp=65



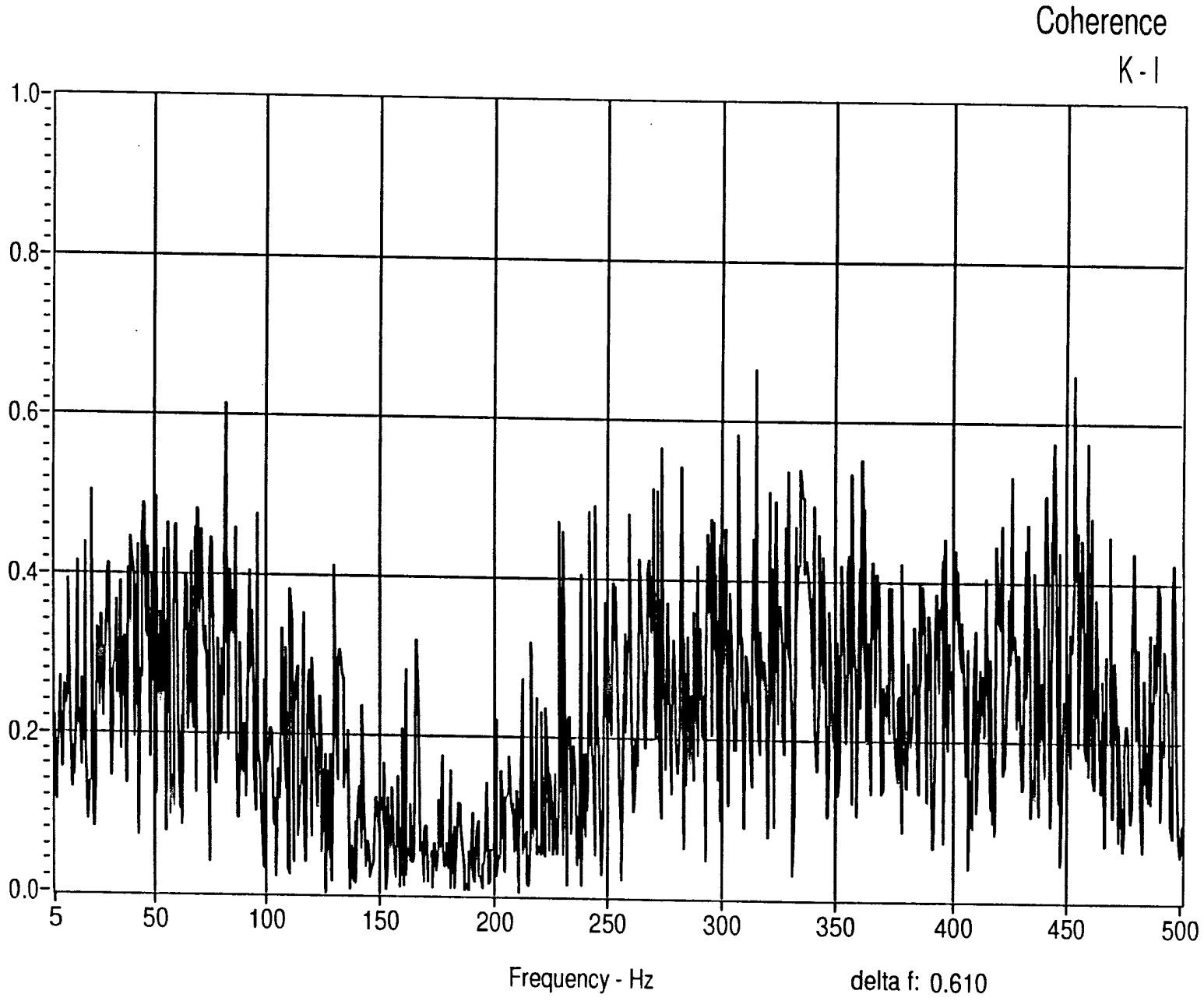
F-15 TPN_3048: alpha=24 beta=4 bp=65



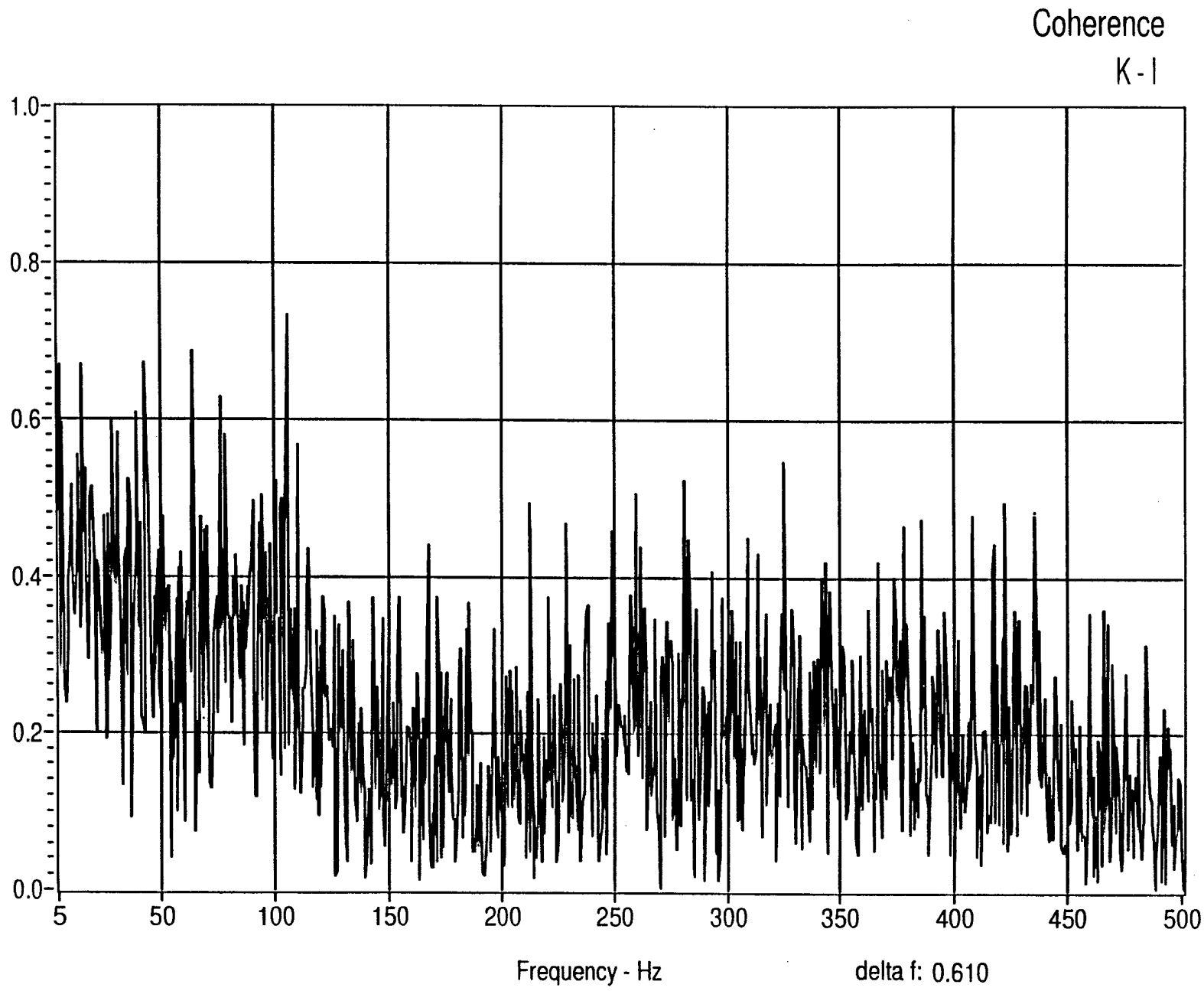
F-15 TPN_3040: alpha=20 beta=0 bp=65



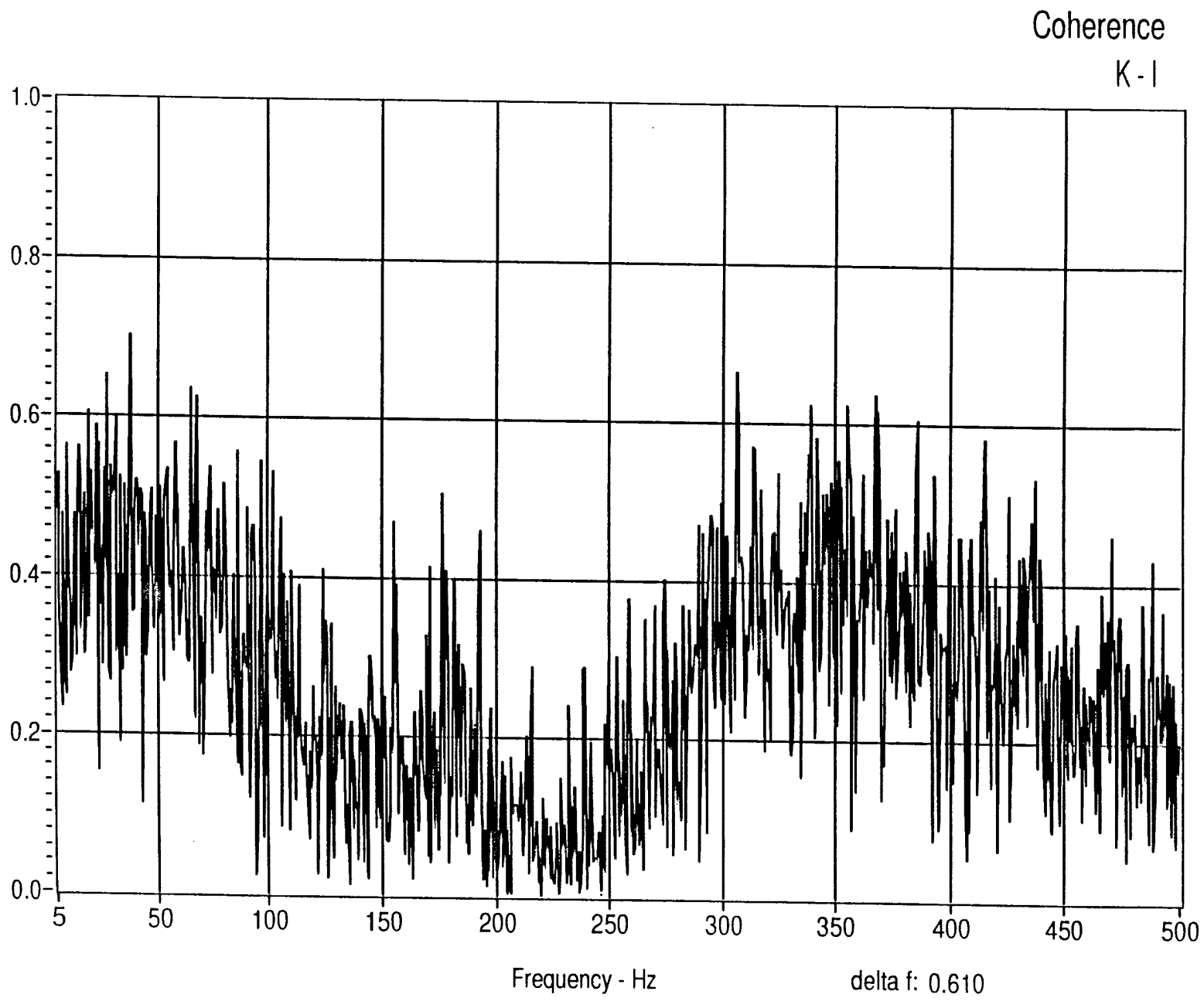
F-15 TPN_3042: alpha=24 beta=0 bp=65



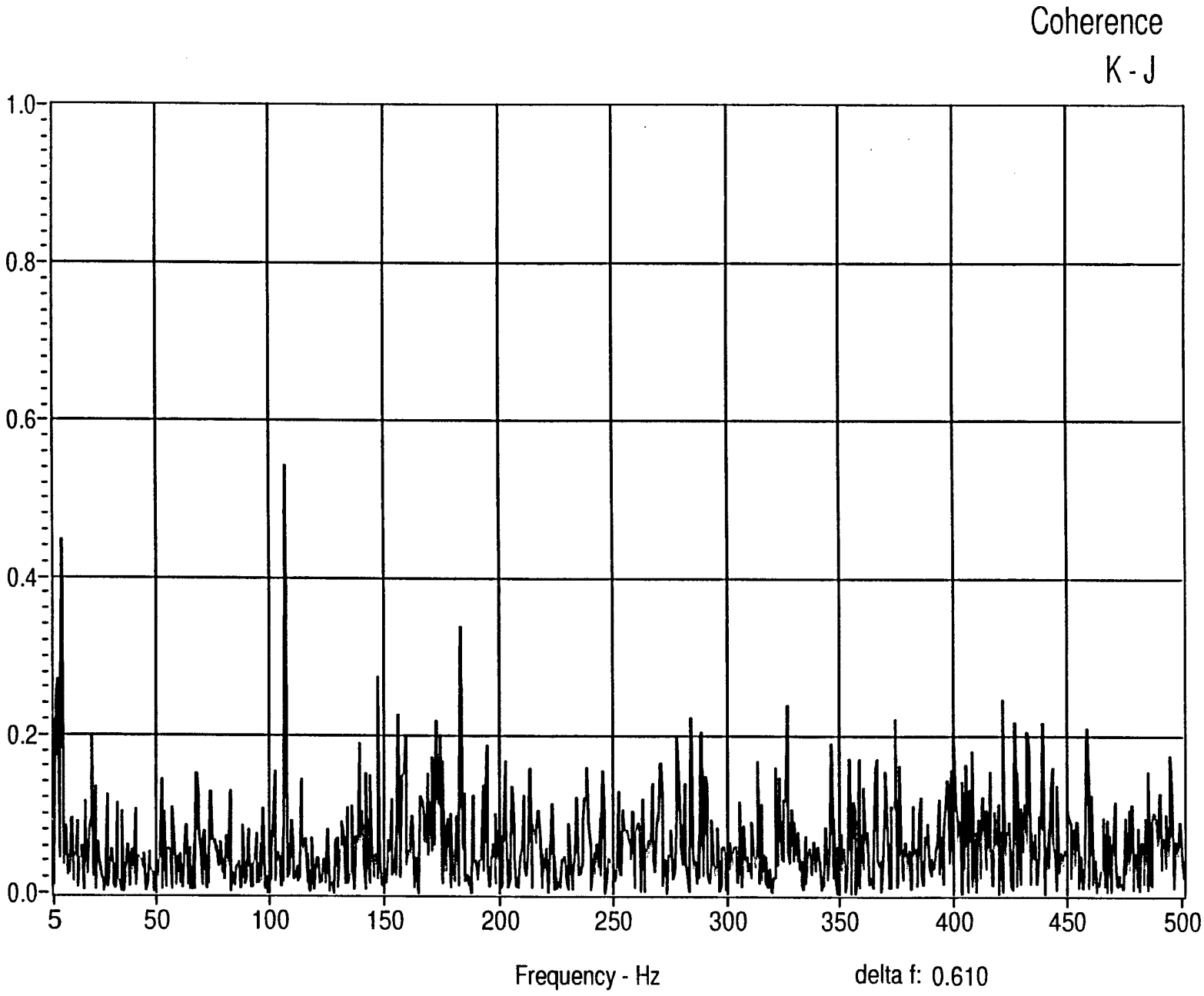
F-15 TPN_3034: alpha=20 beta=-4 bp=6ℓ



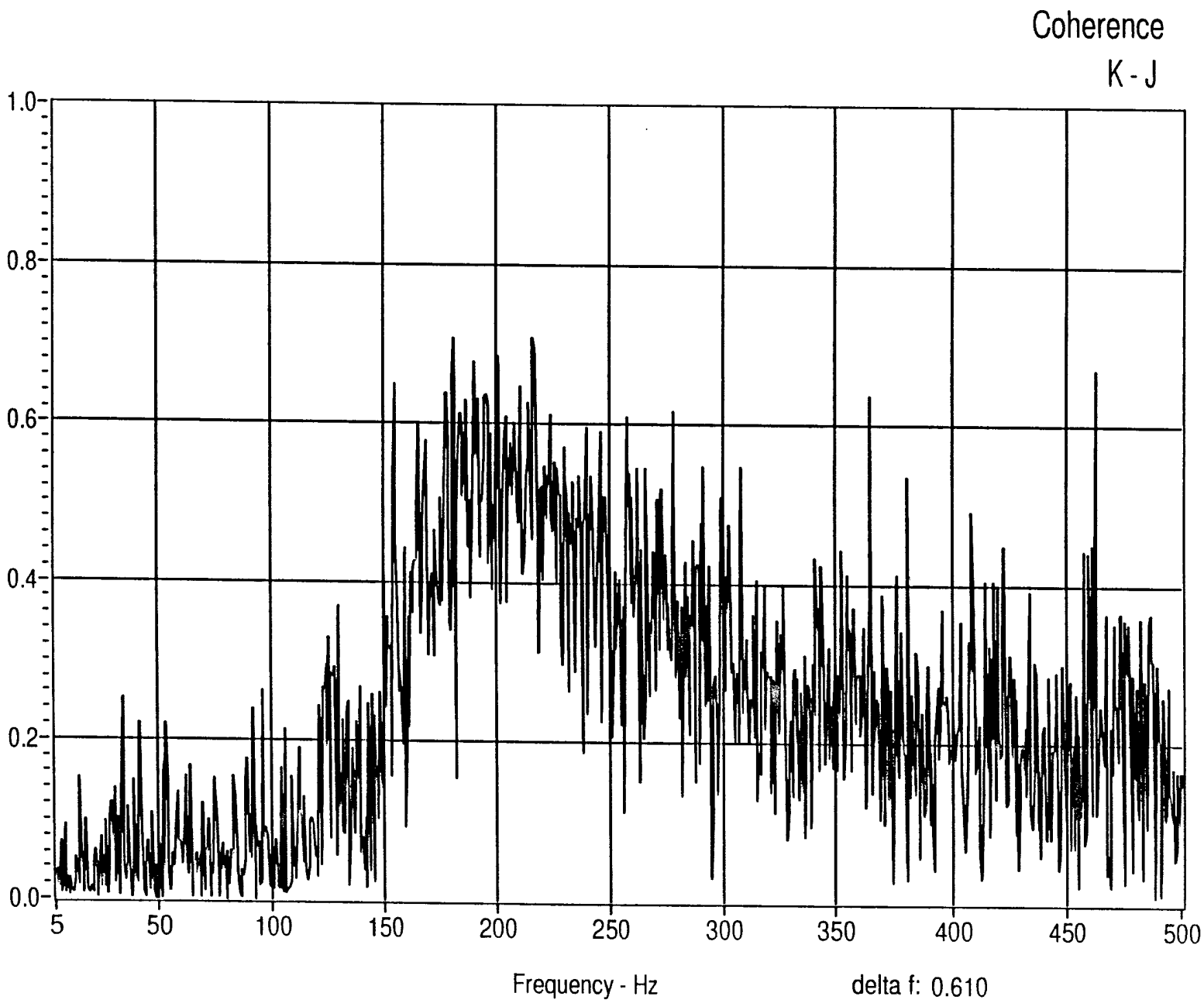
F-15 TPN_3036: alpha=24 beta=-4 bp=65



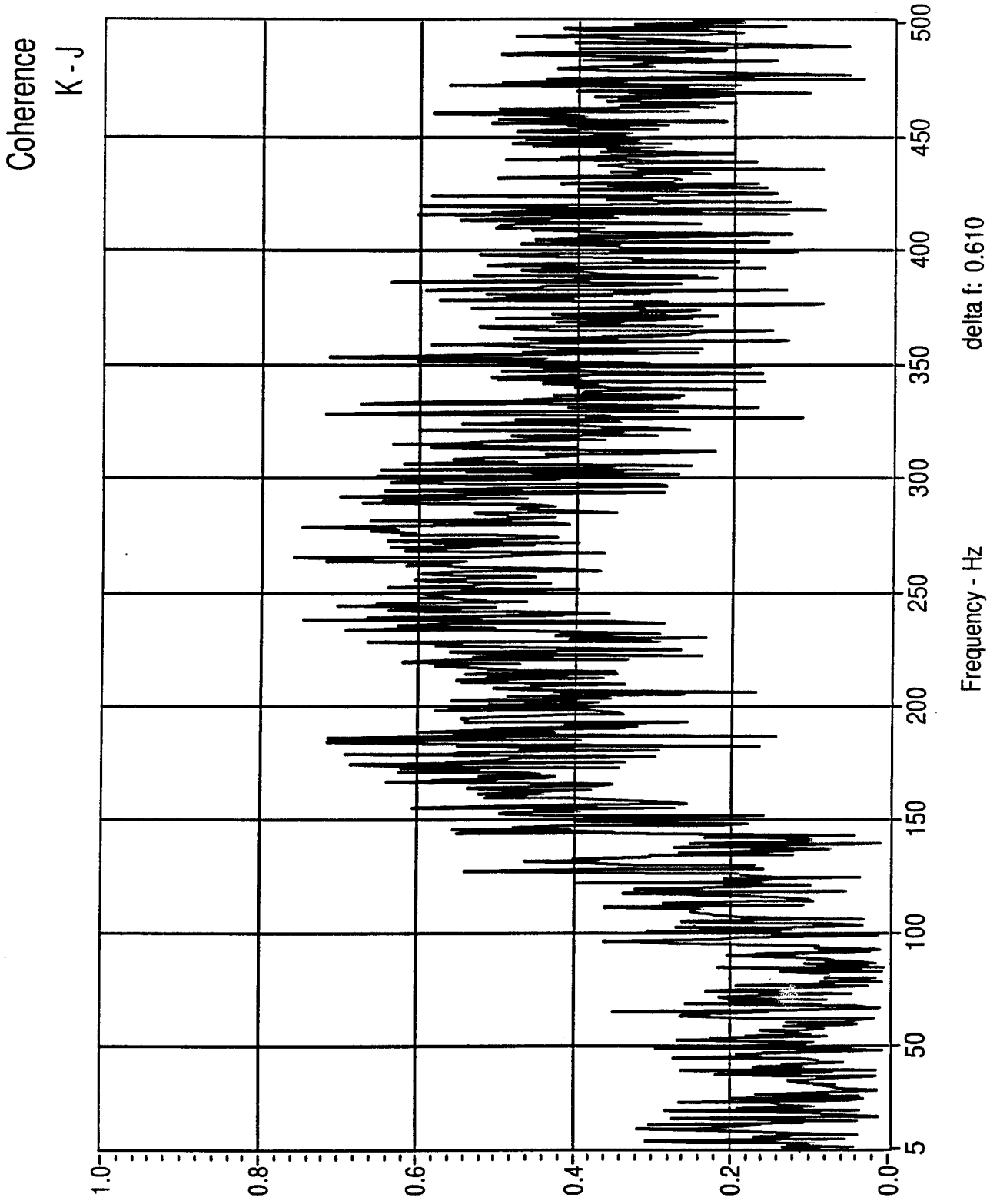
F-15 TPN_2918: alpha=8 beta=4 bp=0



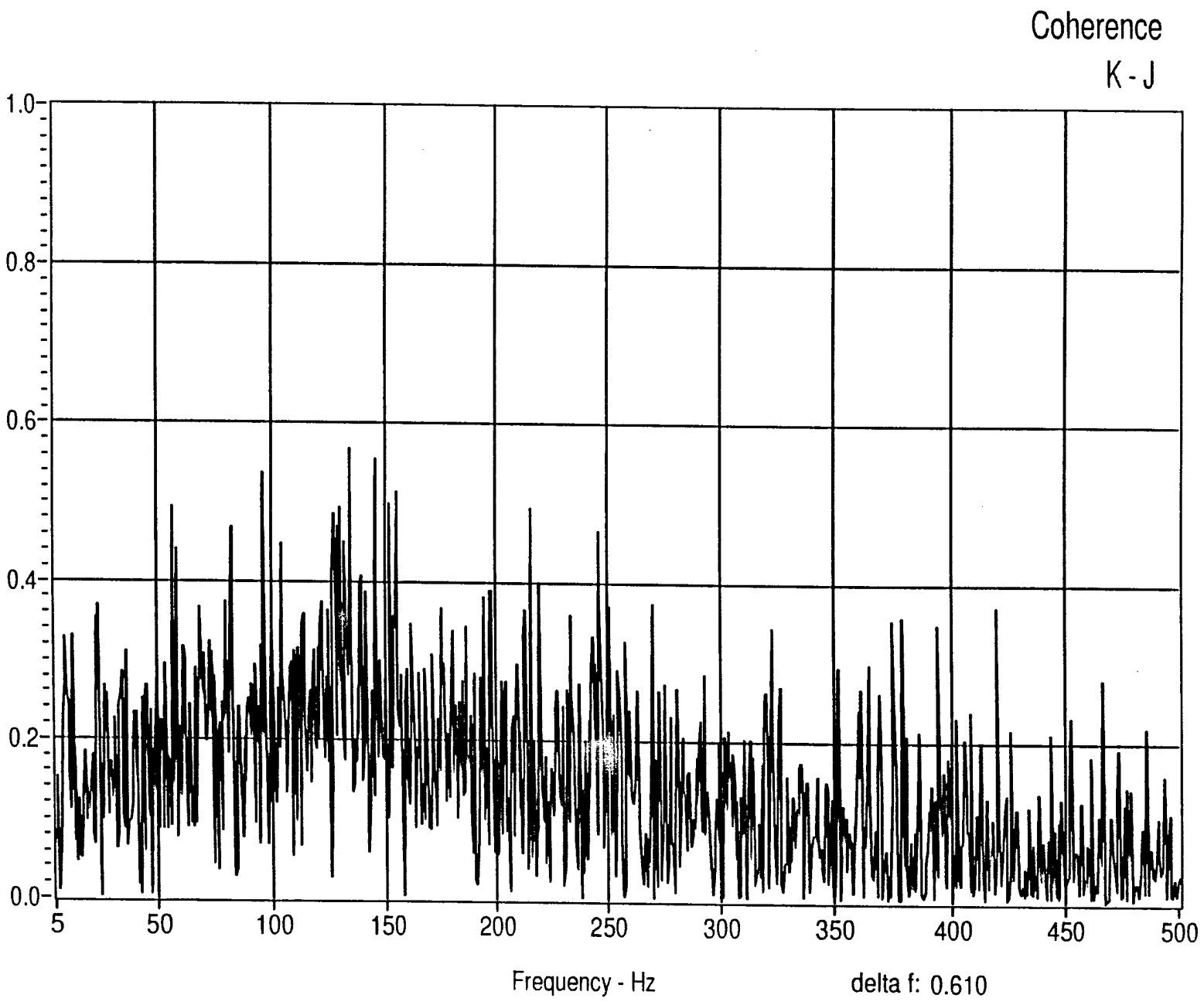
F-15 TPN_2924: alpha=20 beta=4 bp=0



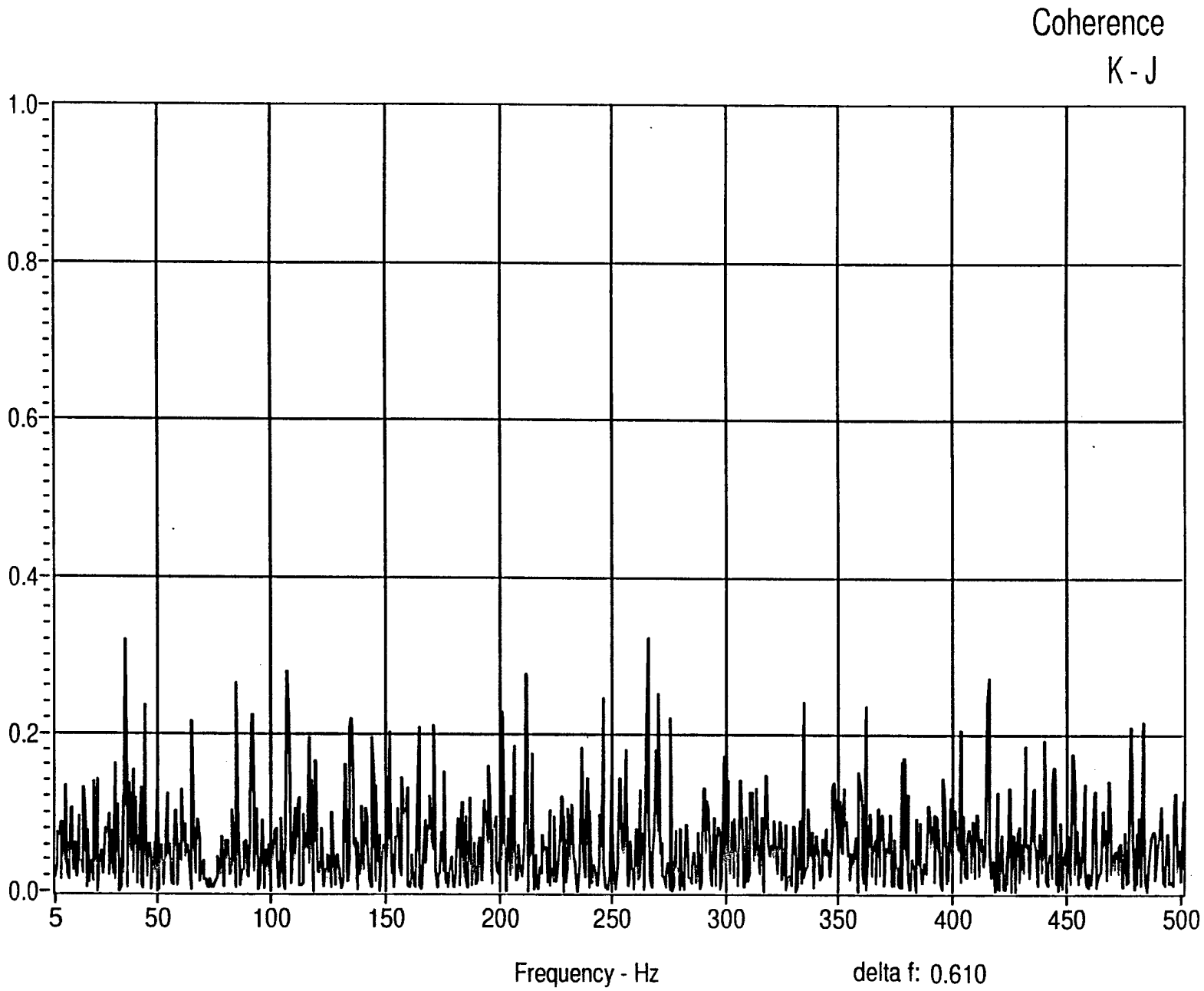
F-15 TPN_2926: alpha=24 beta=4 bp=0



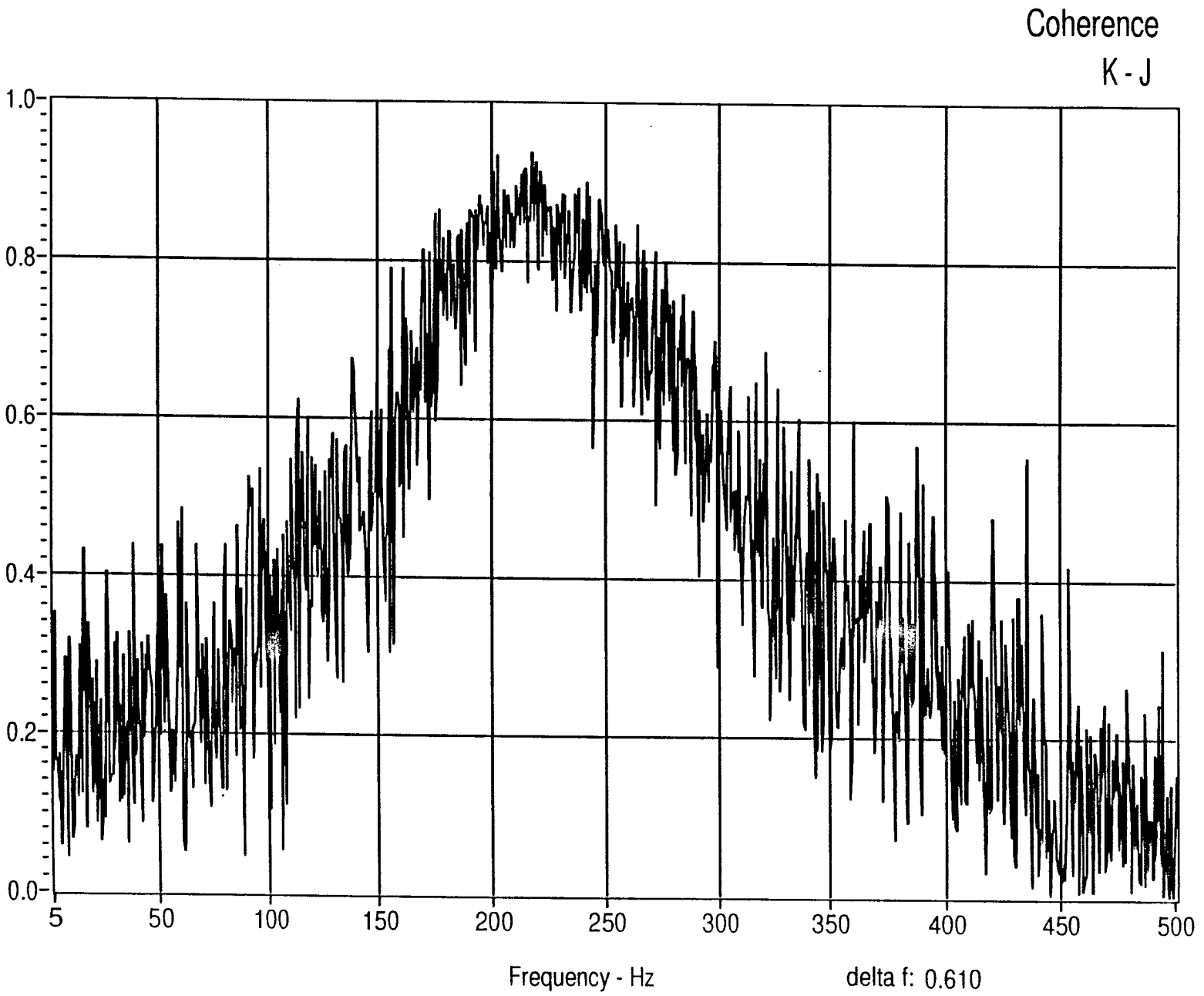
F-15 TPN_2928: alpha=32 beta=4 bp=0



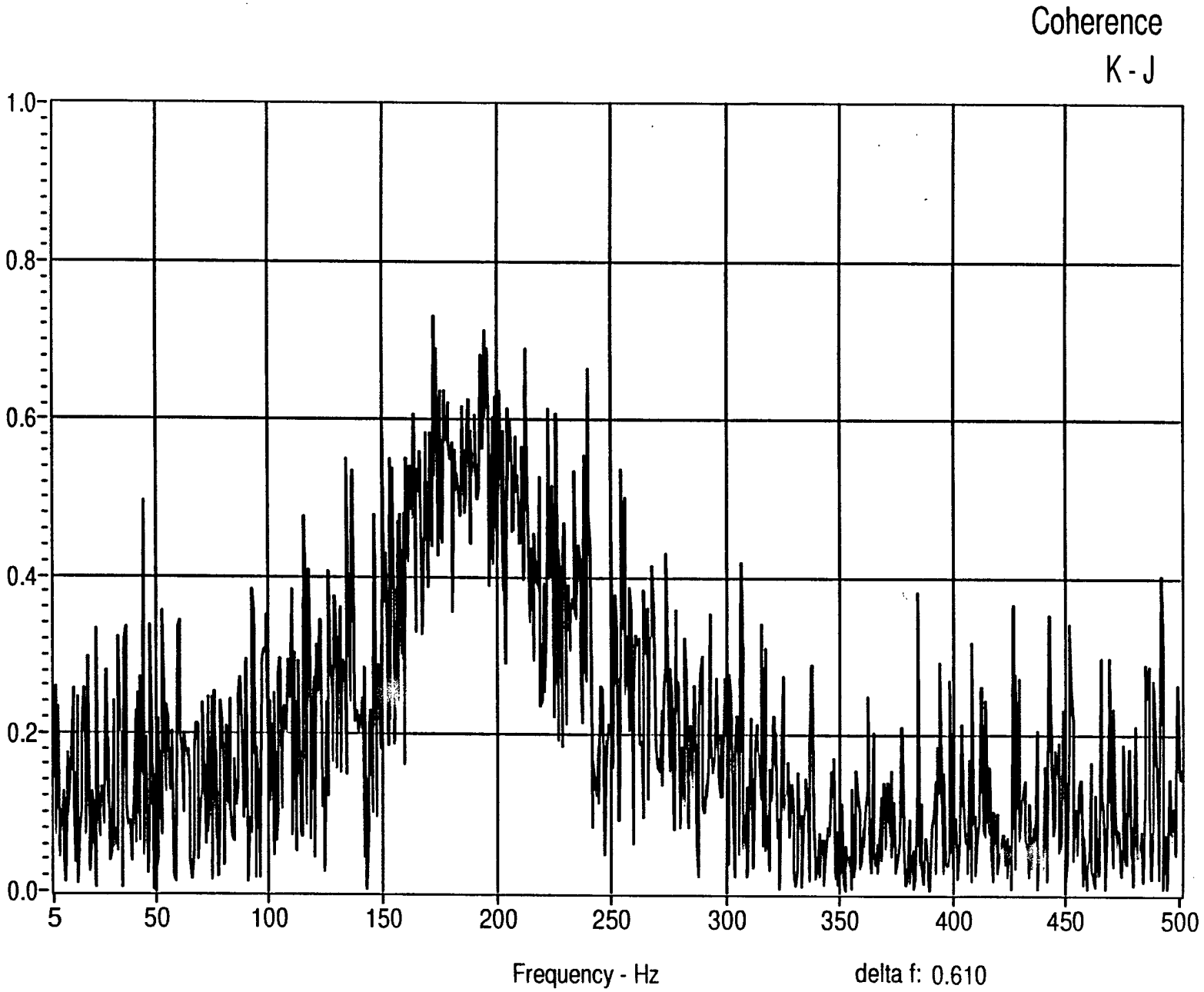
F-15 TPN_2844: alpha=8 beta=0 bp=0



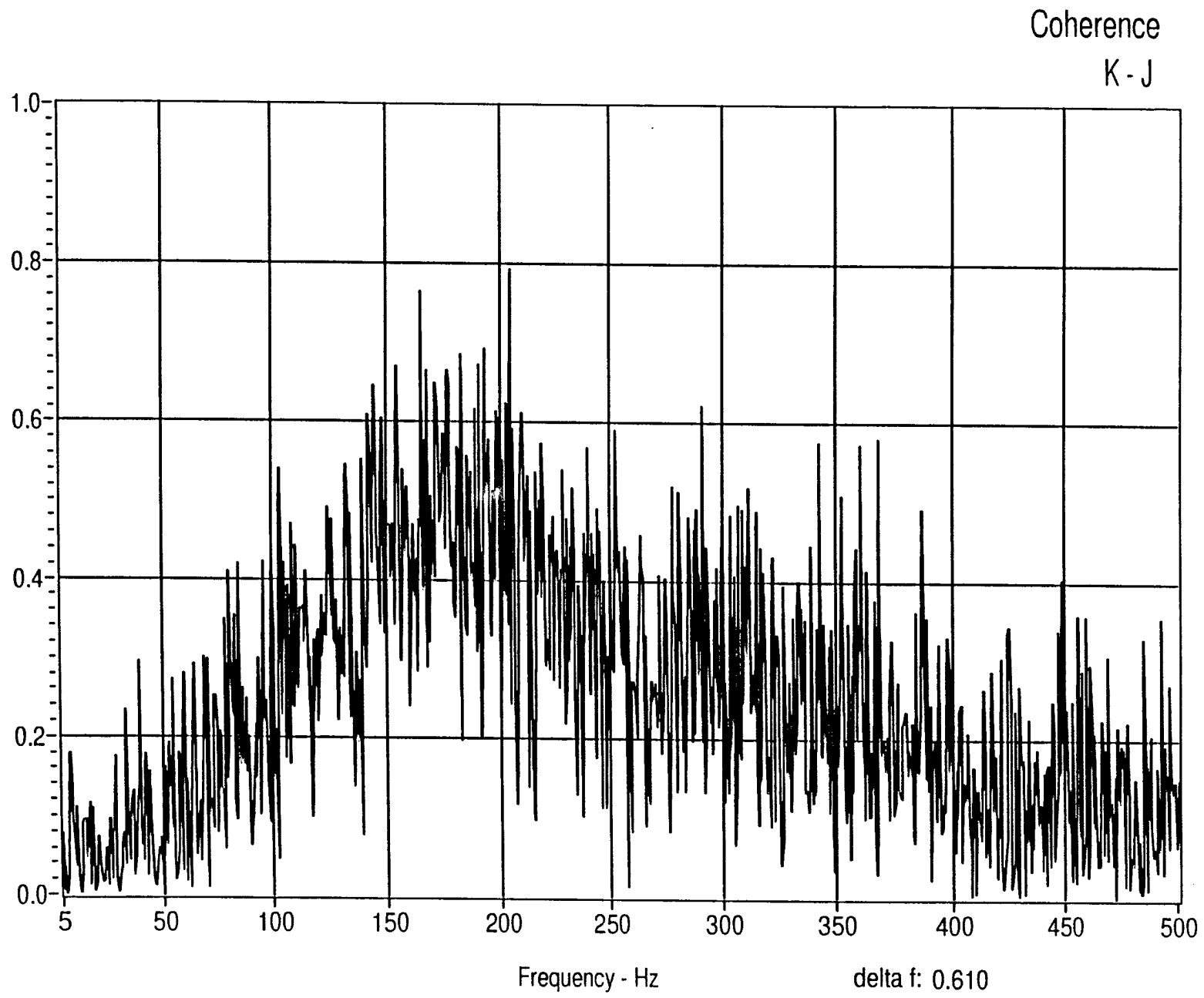
F-15 TPN_2850: alpha=20 beta=0 bp=0



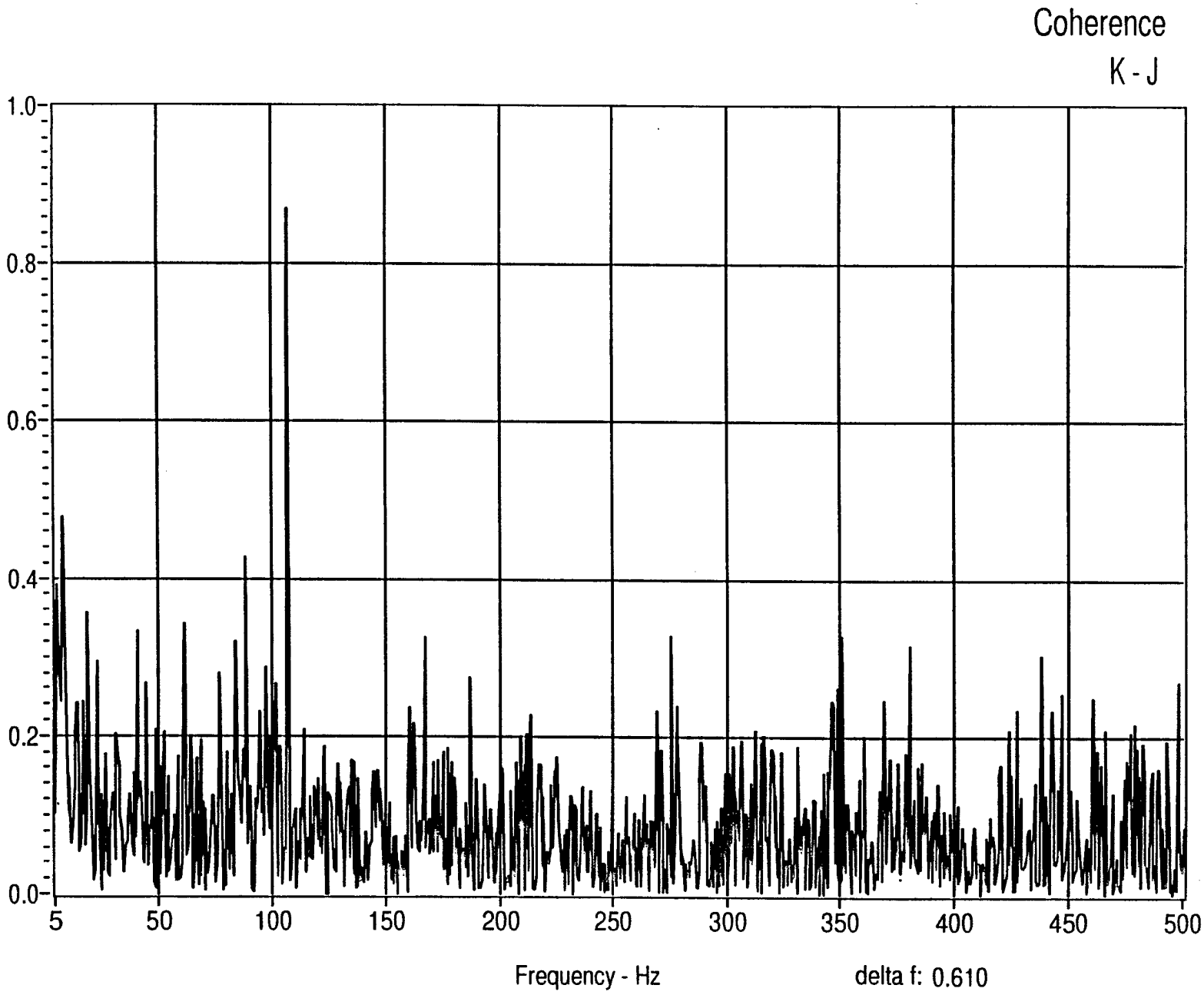
F-15 TPN_2852: alpha=24 beta=0 bp=0



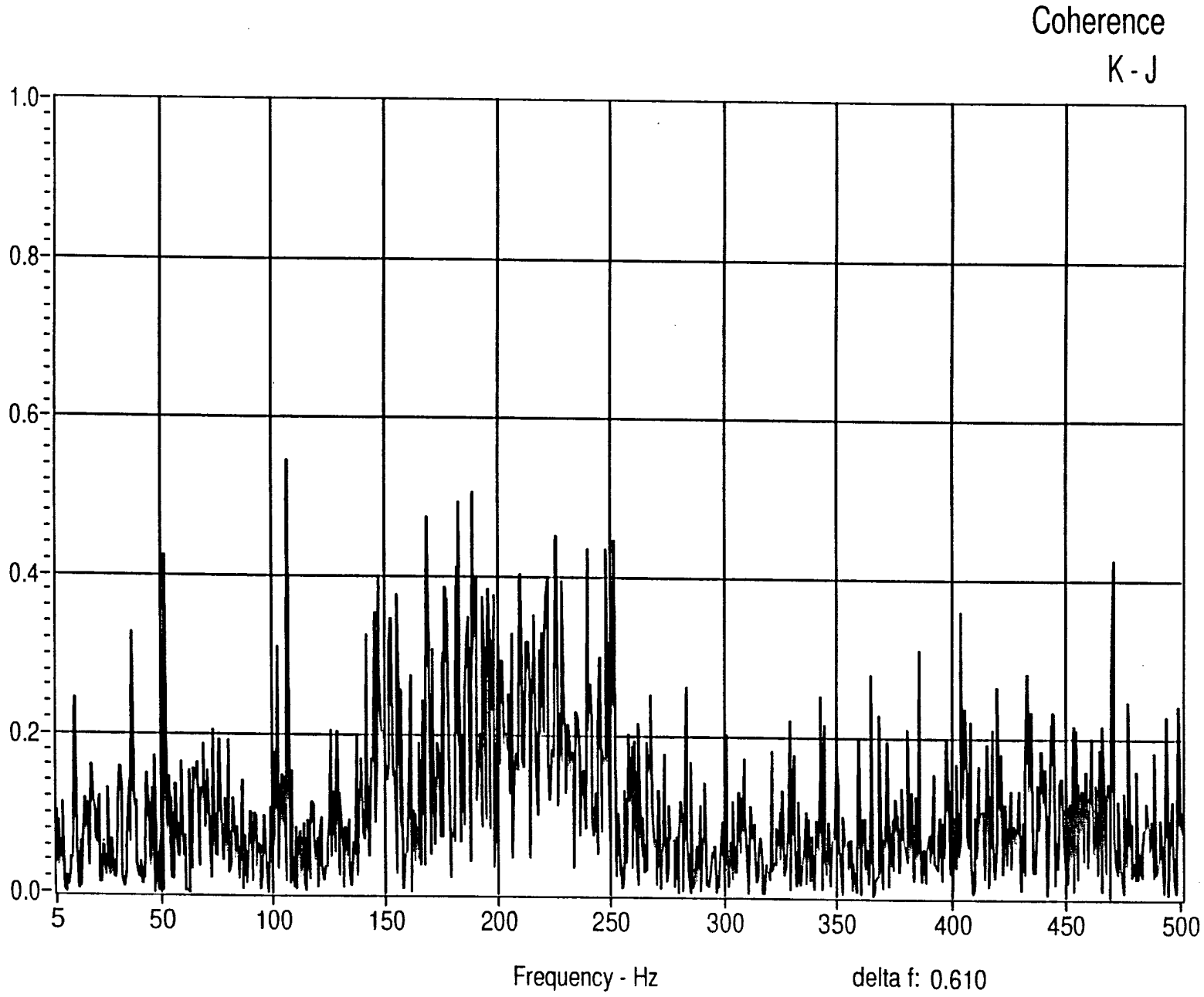
F-15 TPN_2854: alpha=32 beta=0 bp=0



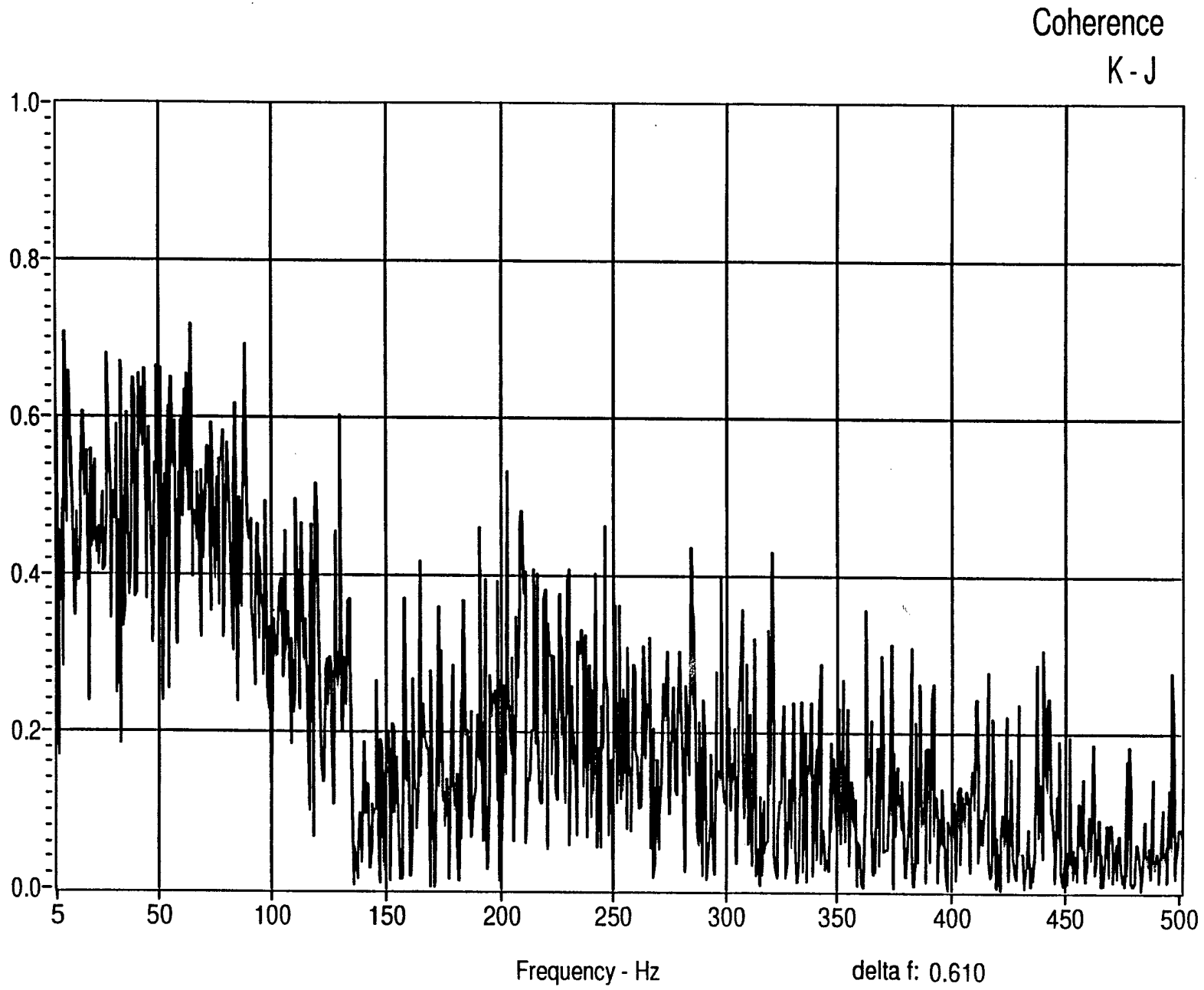
F-15 TPN_2864: alpha=8 beta=-4 bp=0



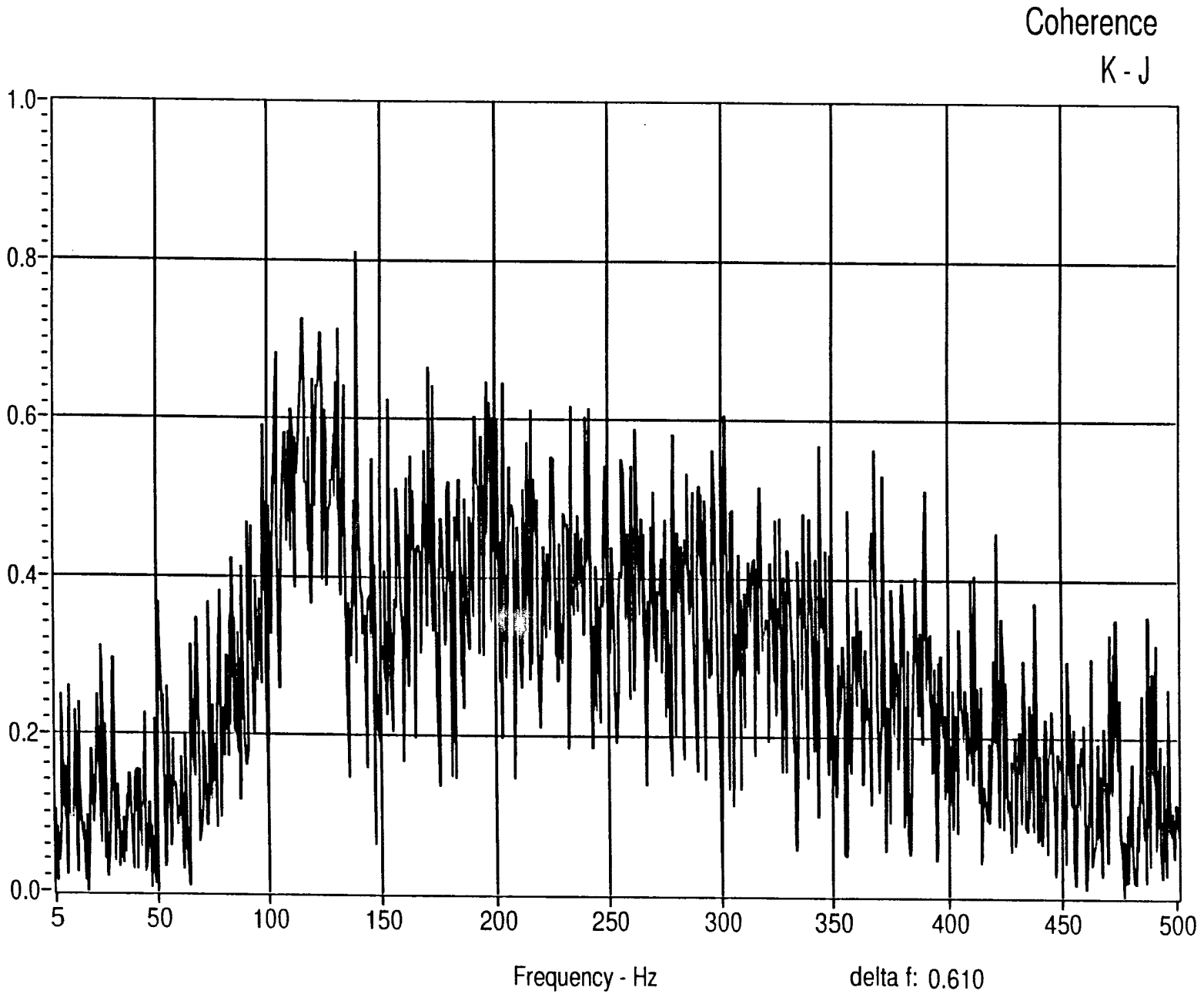
F-15 TPN_2870: alpha=20 beta=-4 bp=0



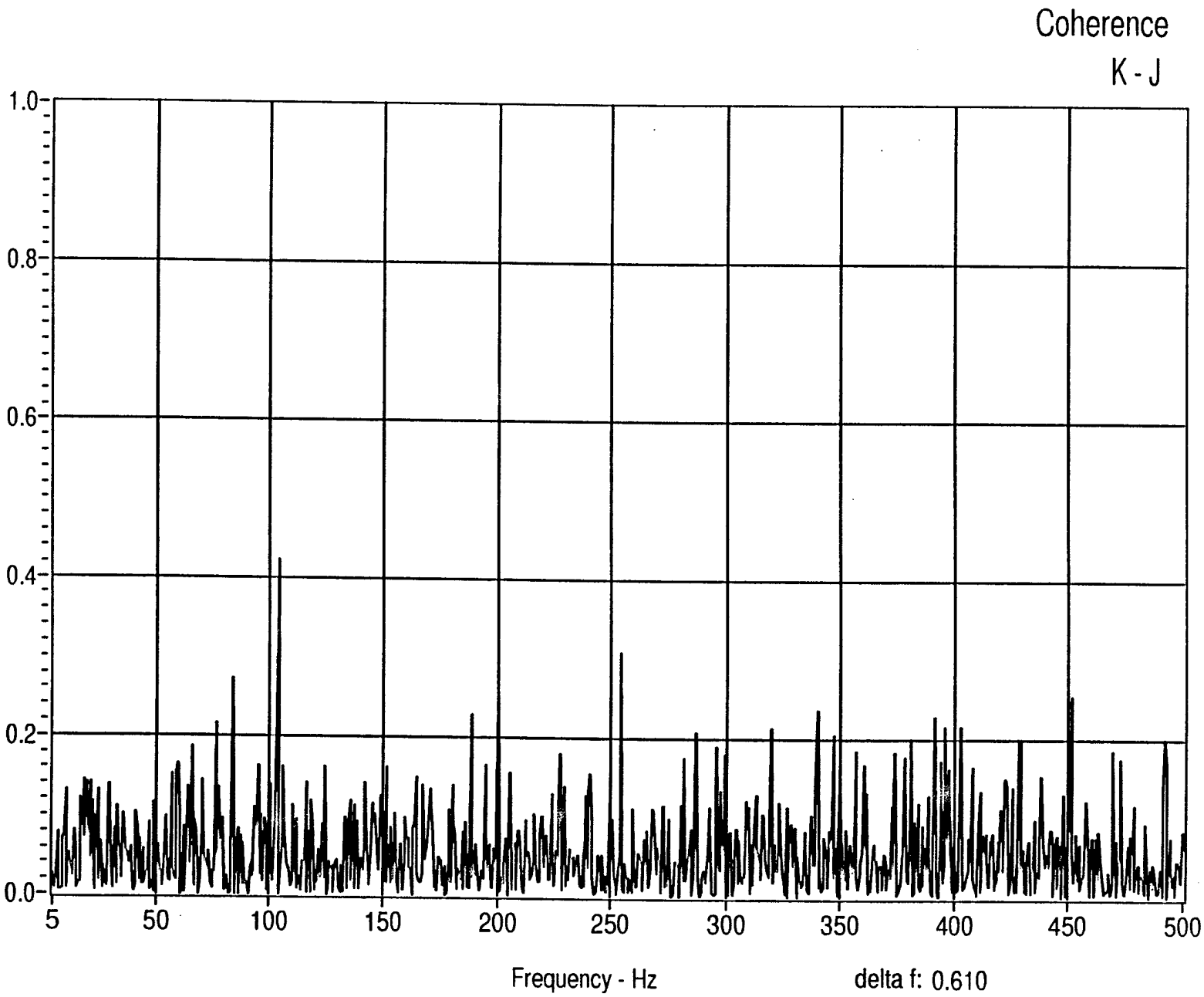
F-15 TPN_2872: alpha=24 beta=-4 bp=0



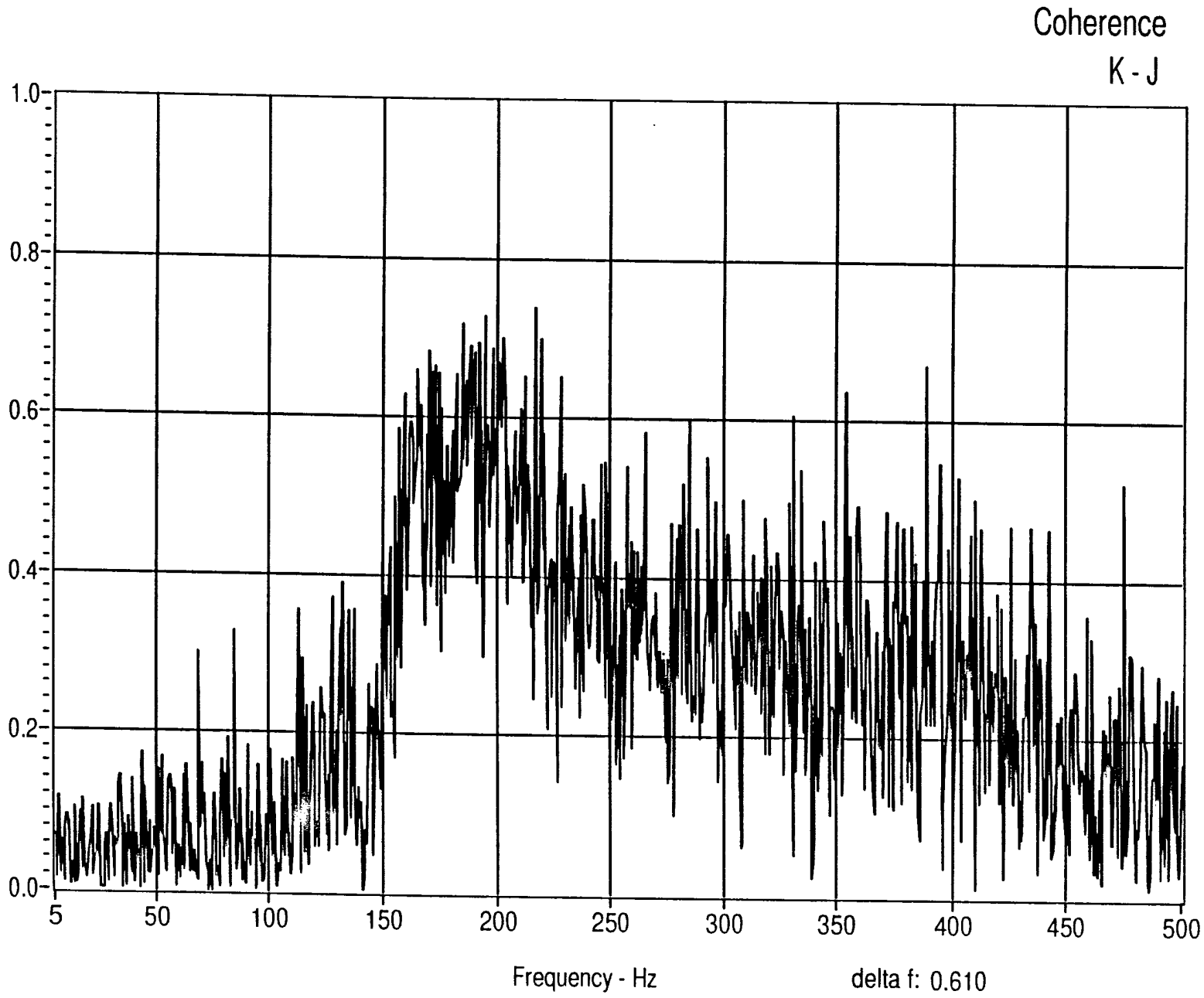
F-15 TPN_2874: alpha=32 beta=-4 bp=0



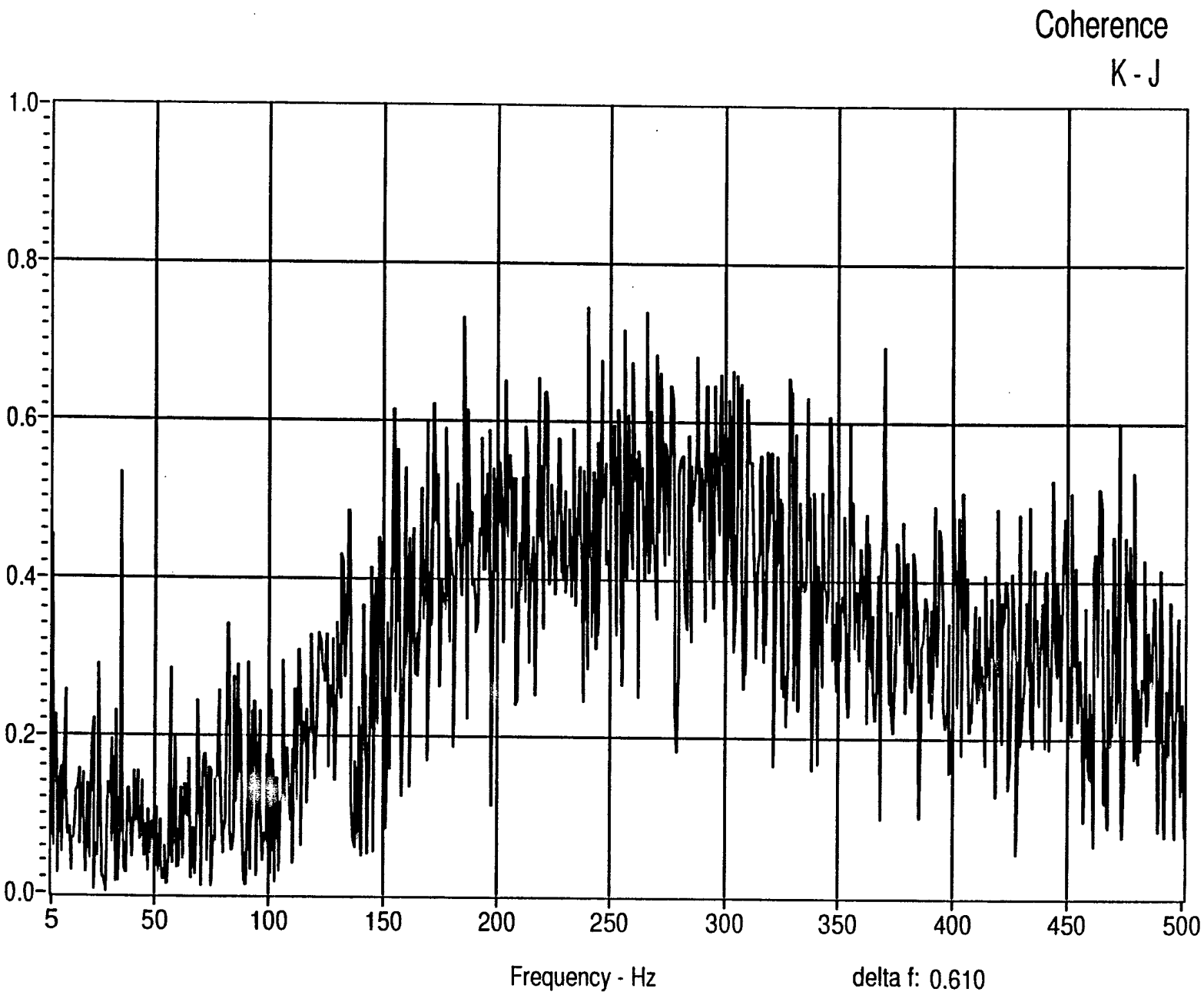
F-15 TPN_3351: alpha=8 beta=4 bp=45



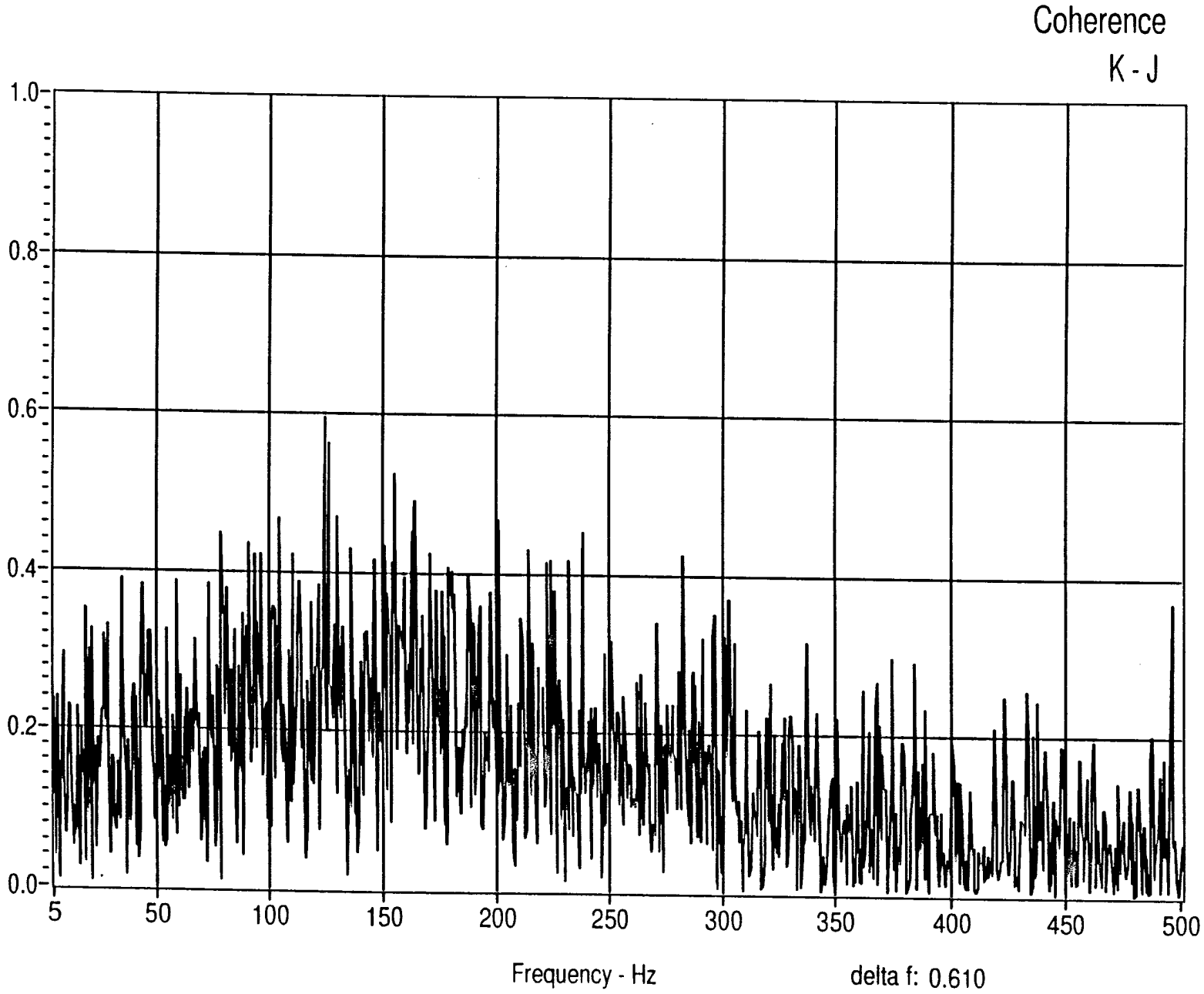
F-15 TPN_3357: alpha=20 beta=4 bp=45



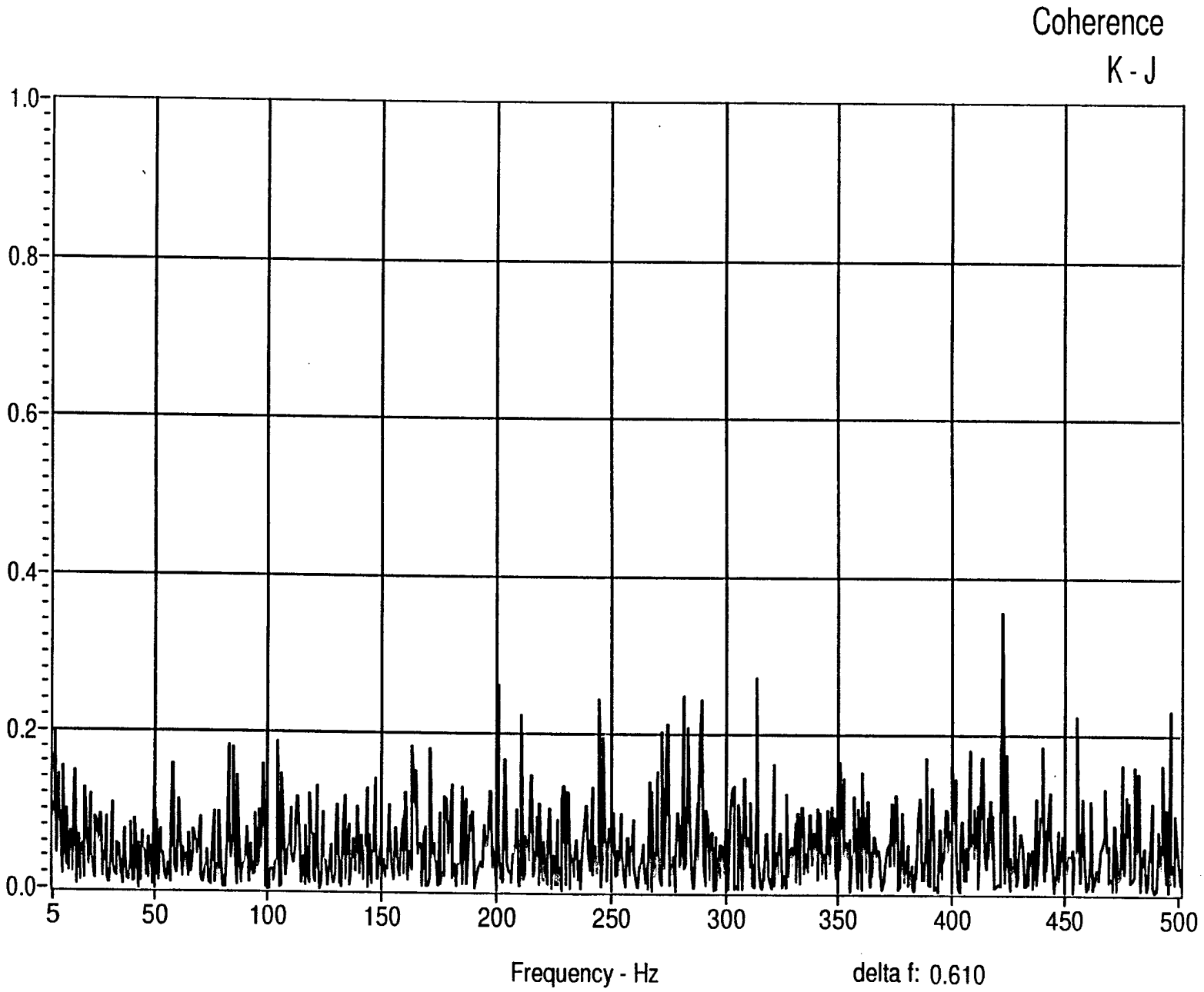
F-15 TPN_3359: alpha=24 beta=4 bp=45



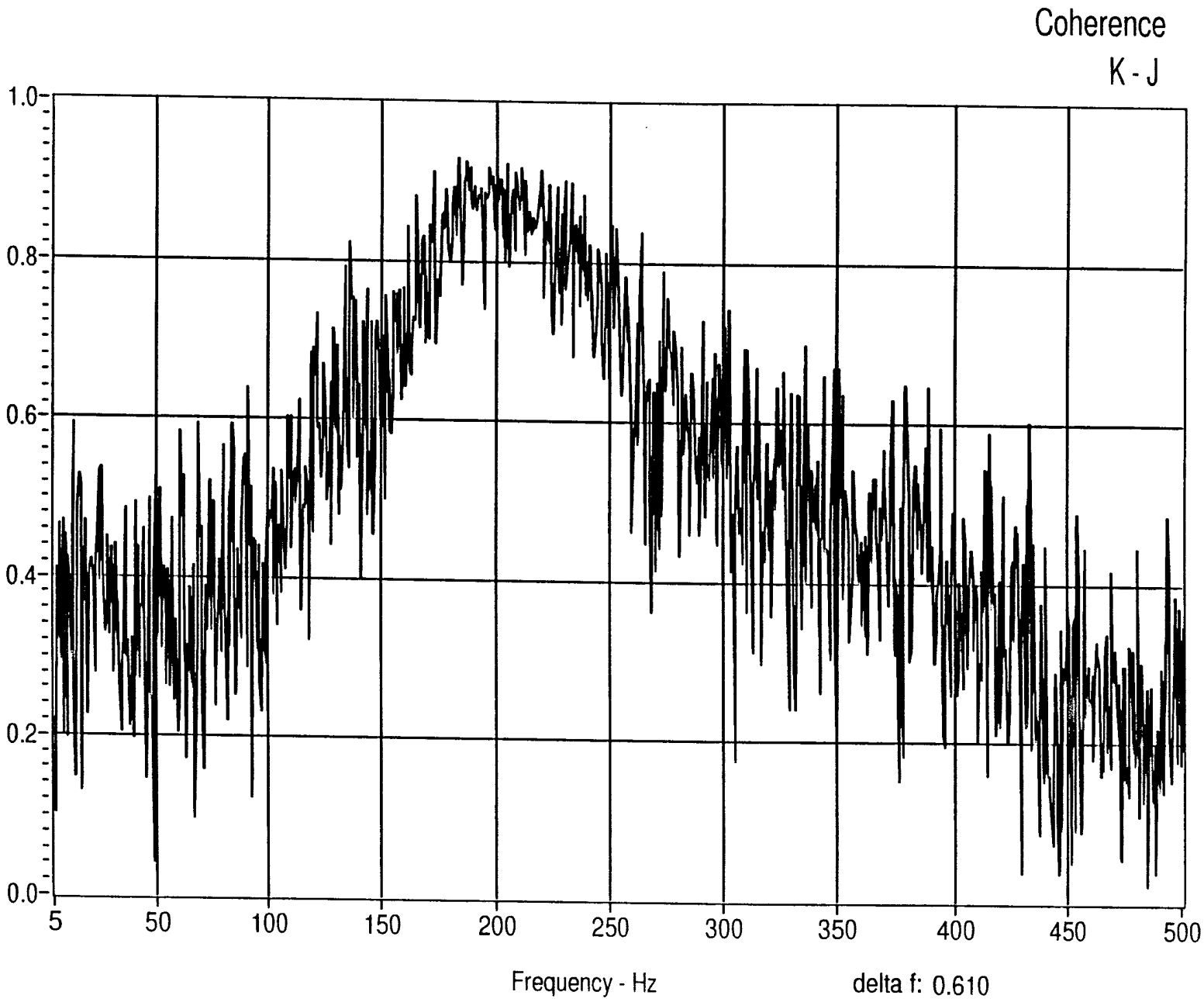
F-15 TPN_3361: alpha=32 beta=4 bp=45



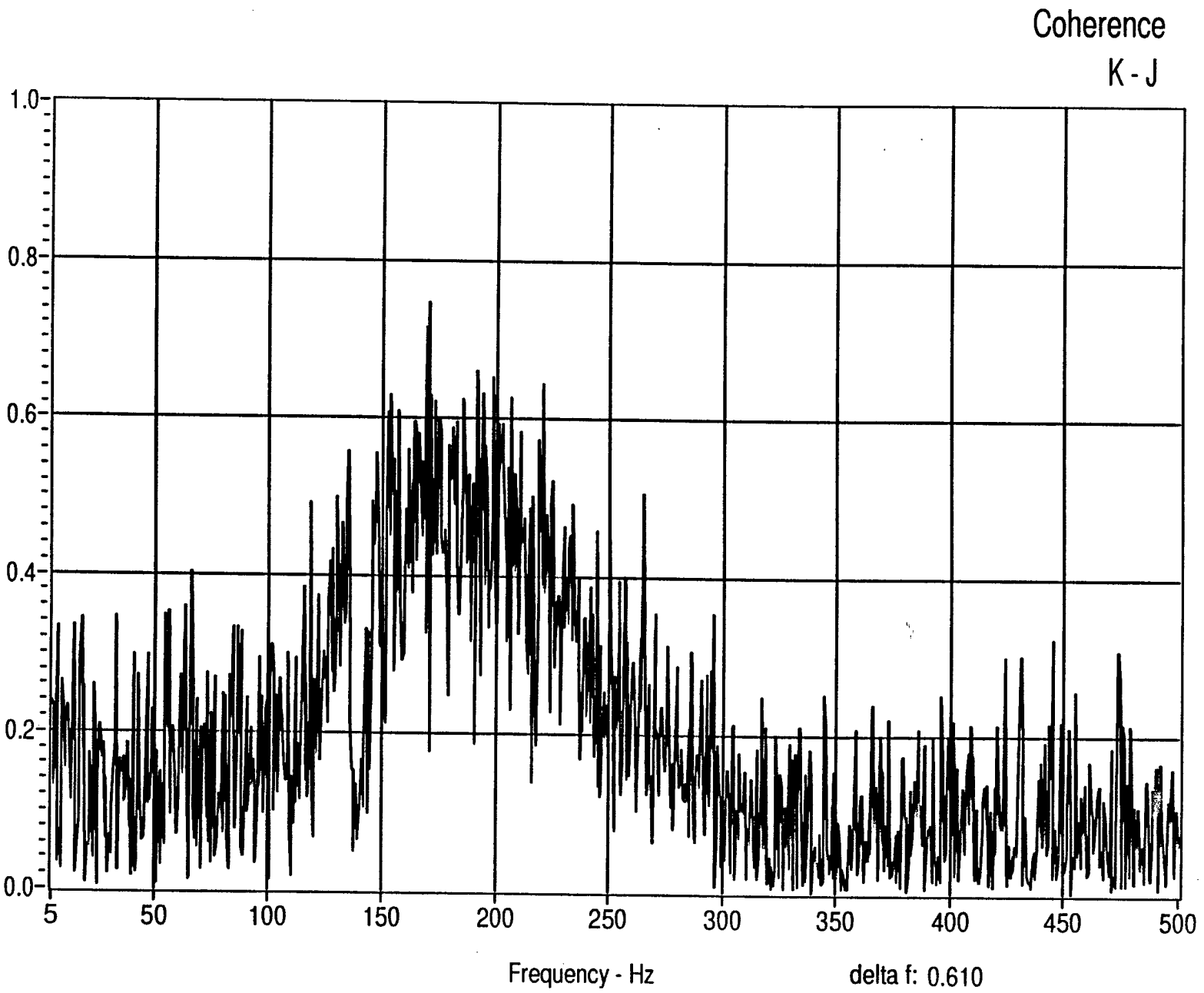
F-15 TPN_3333: alpha=8 beta=0 bp=45



F-15 TPN_3339: alpha=20 beta=0 bp=45

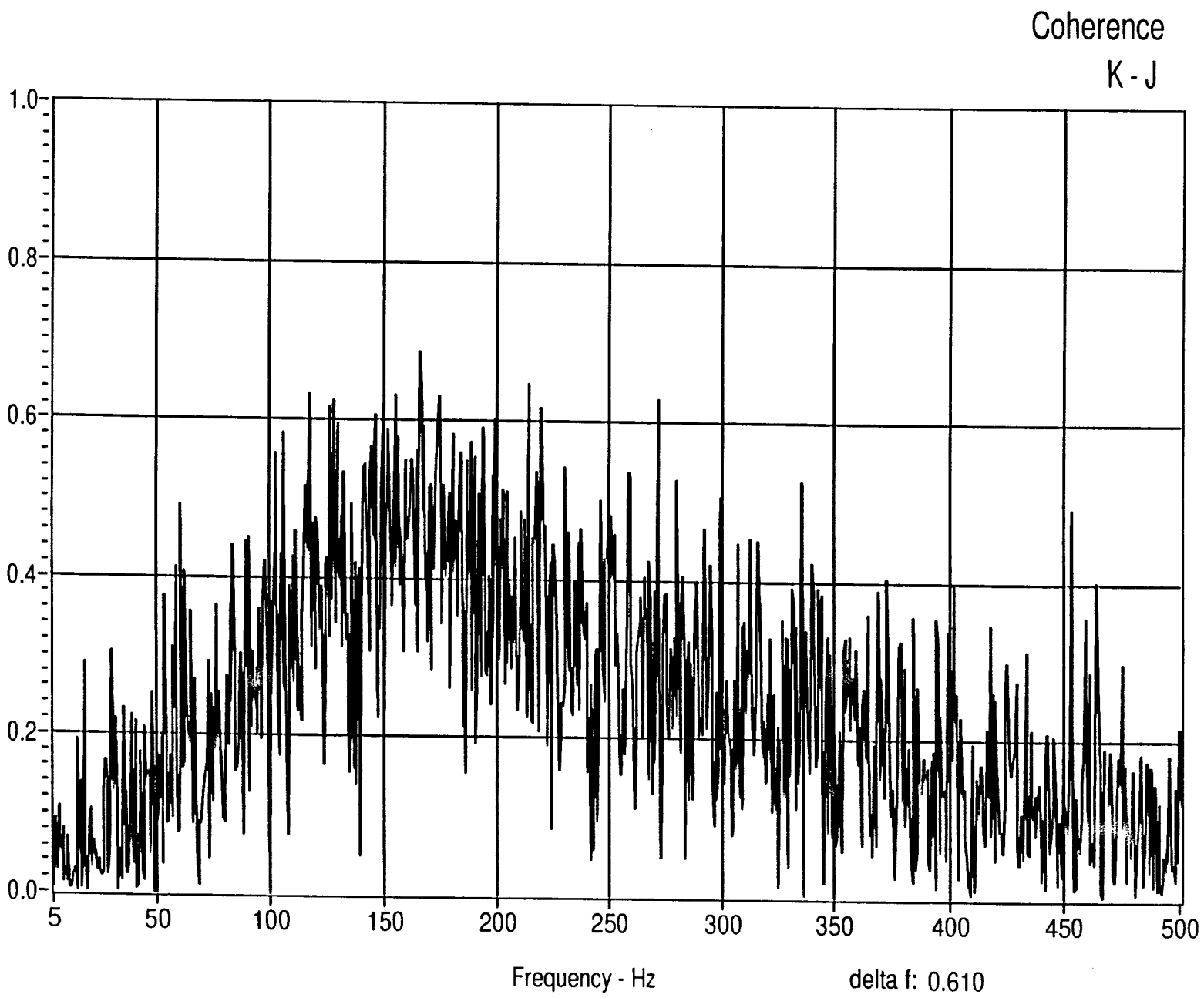


F-15 TPN_3341: alpha=24 beta=0 bp=45



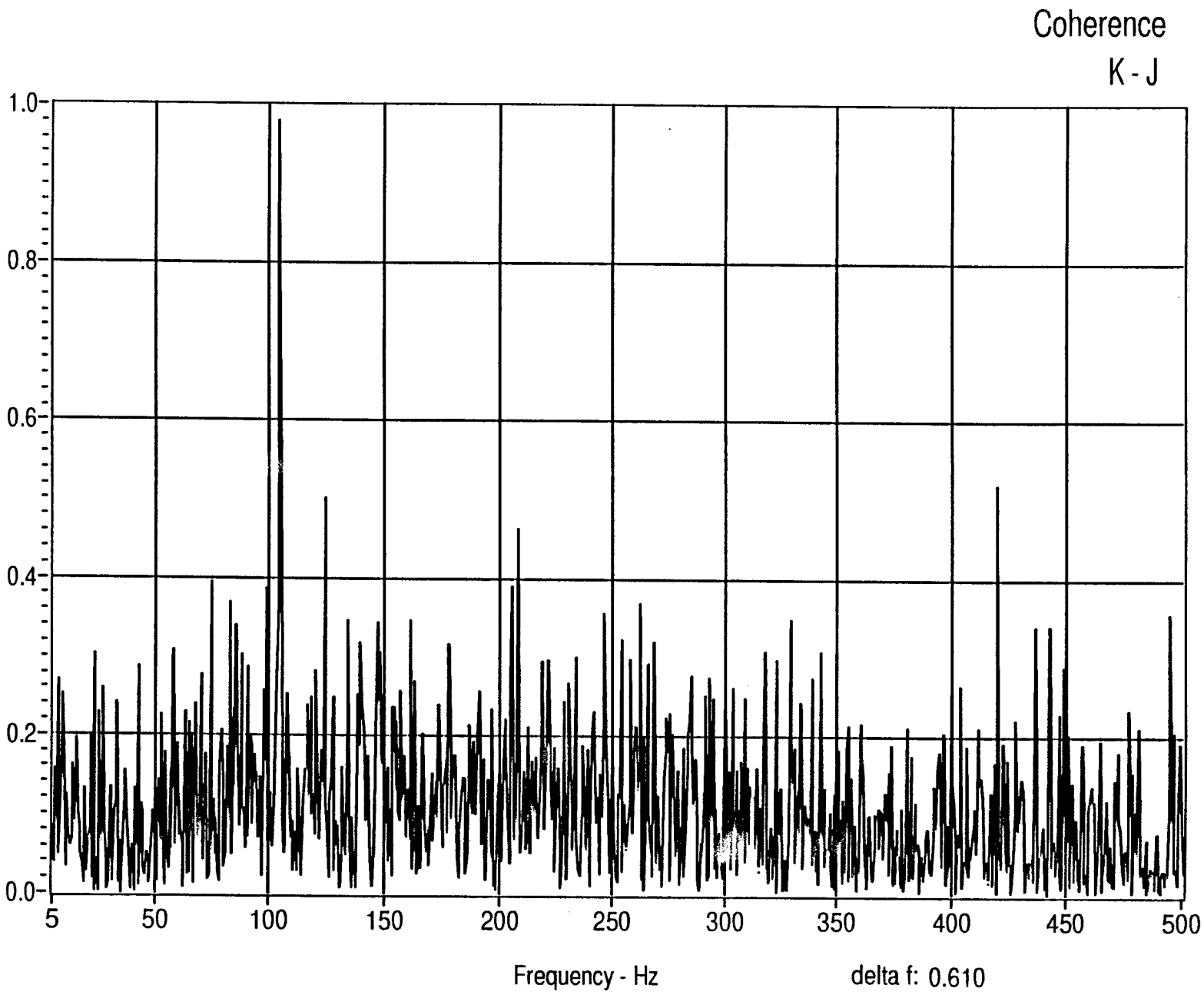
666

F-15 TPN_3343: alpha=32 beta=0 bp=45

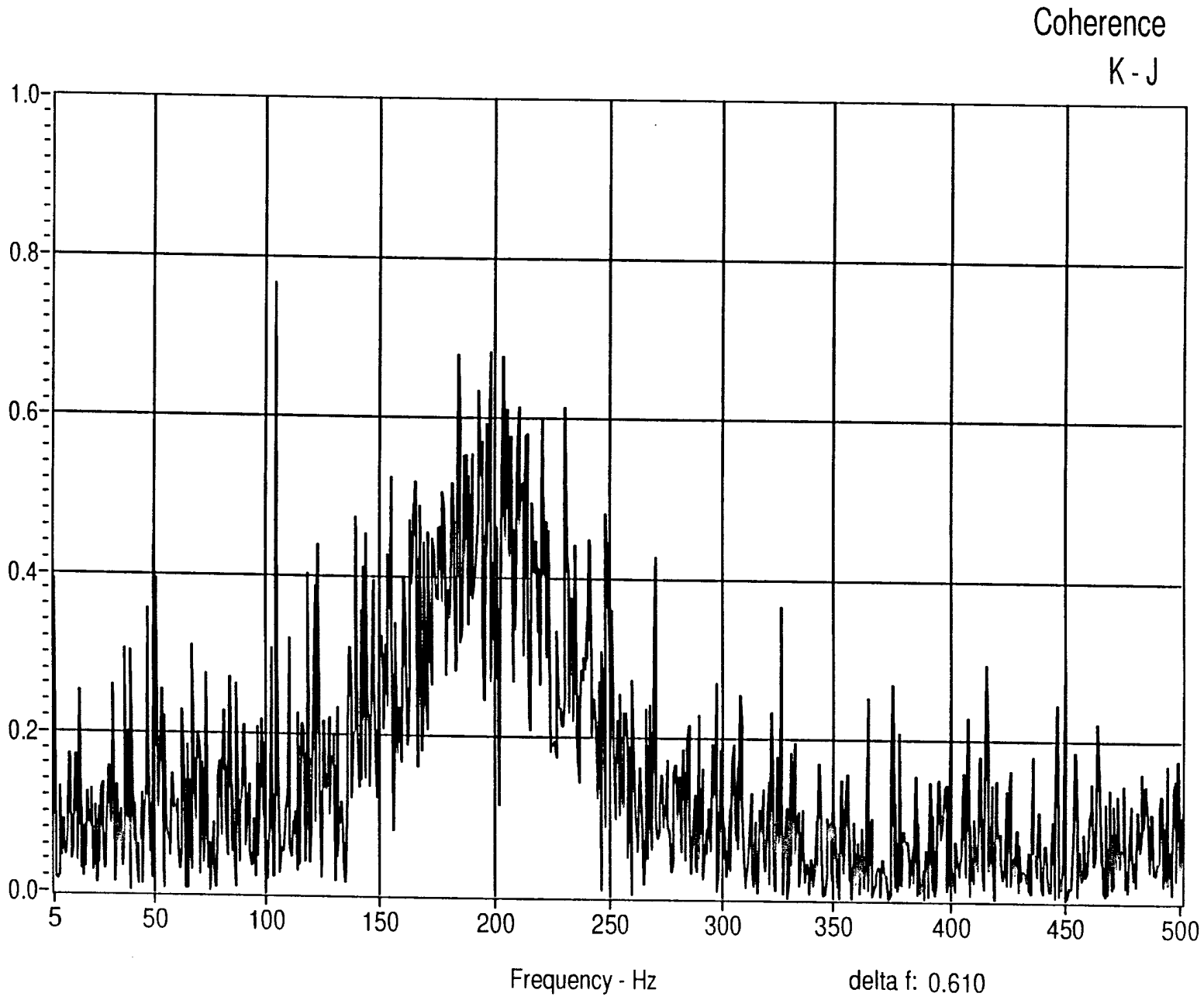


1000

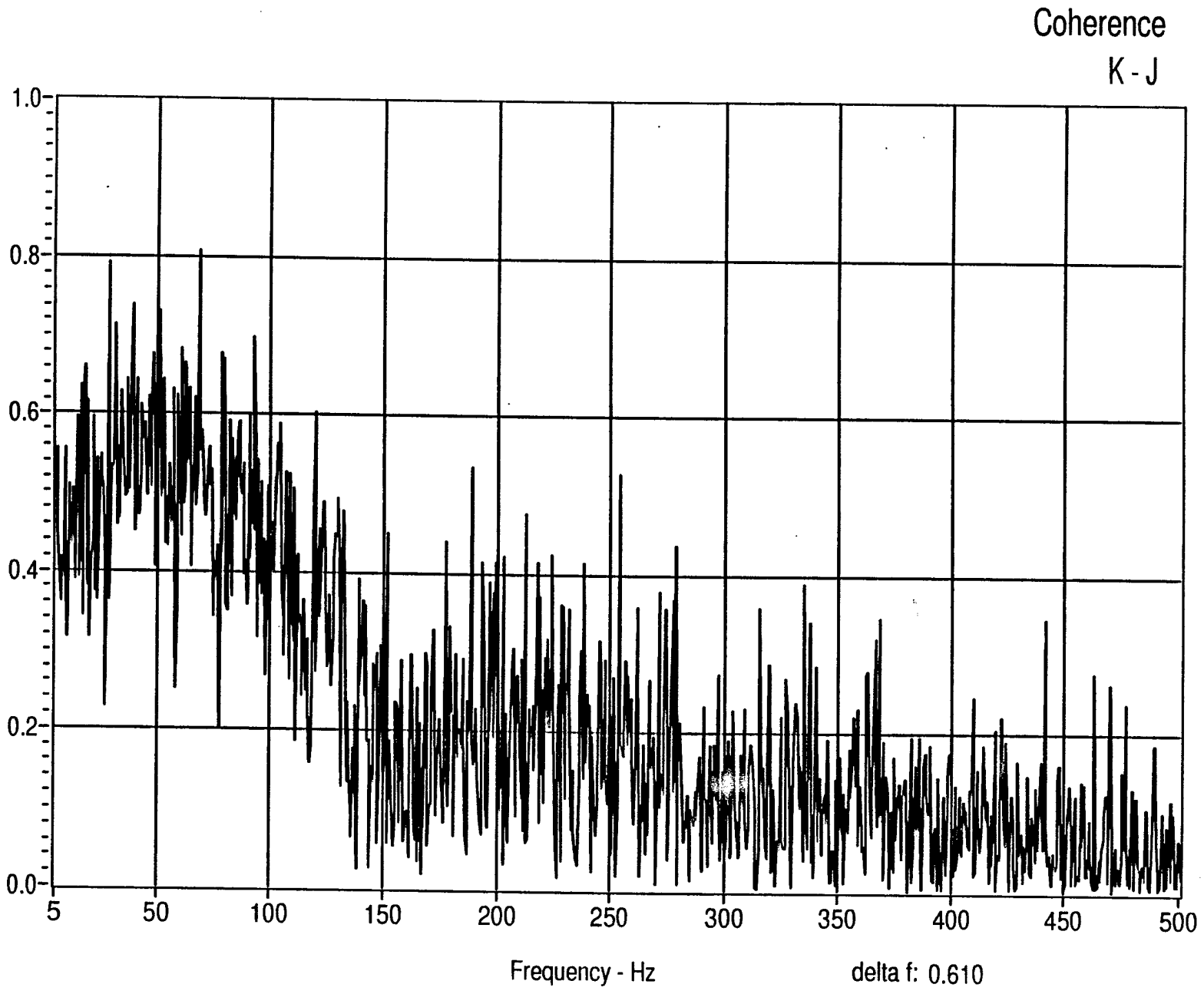
F-15 TPN_3369: alpha=8 beta=-4 bp=45



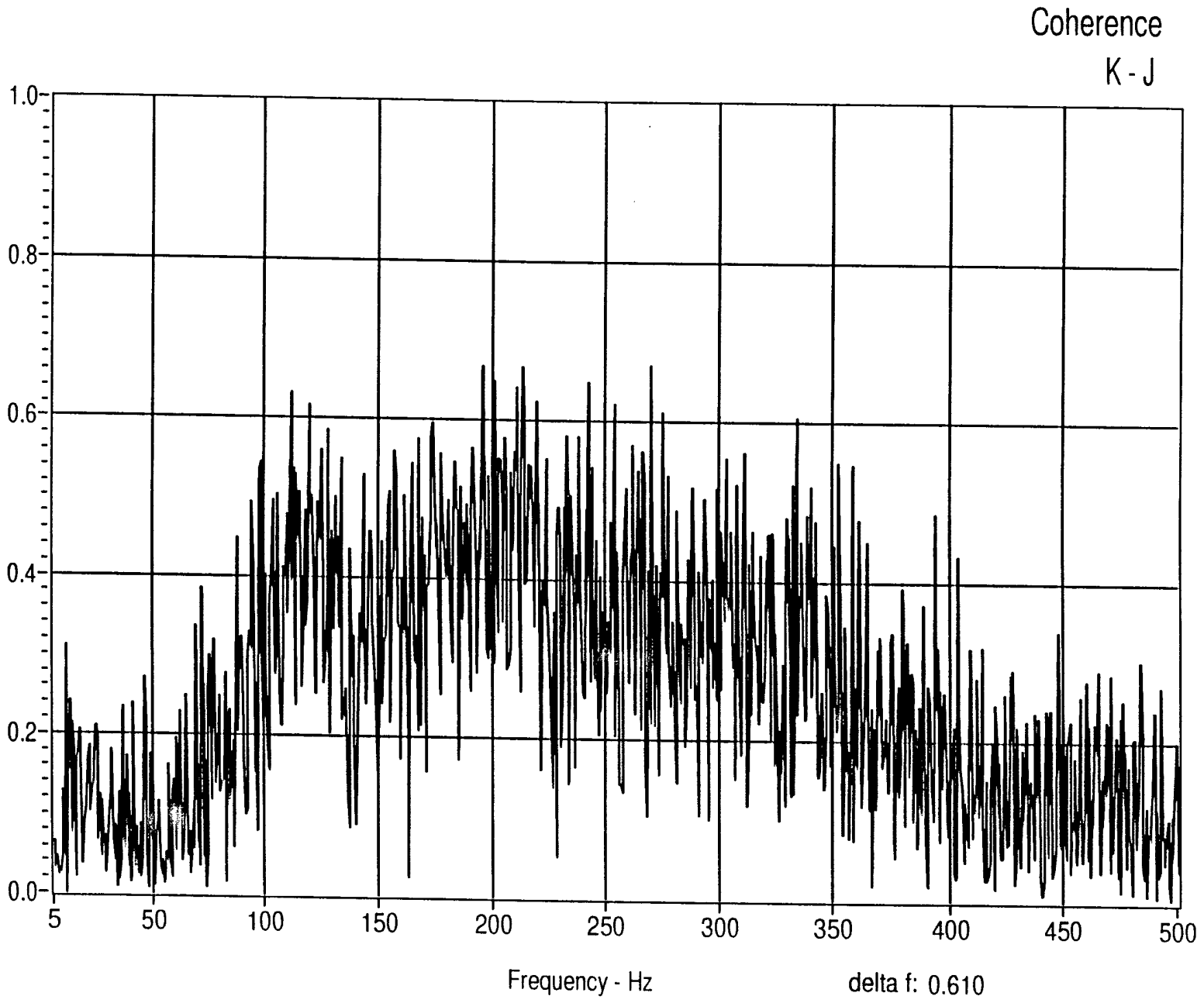
F-15 TPN_3375: alpha=20 beta=-4 bp=45



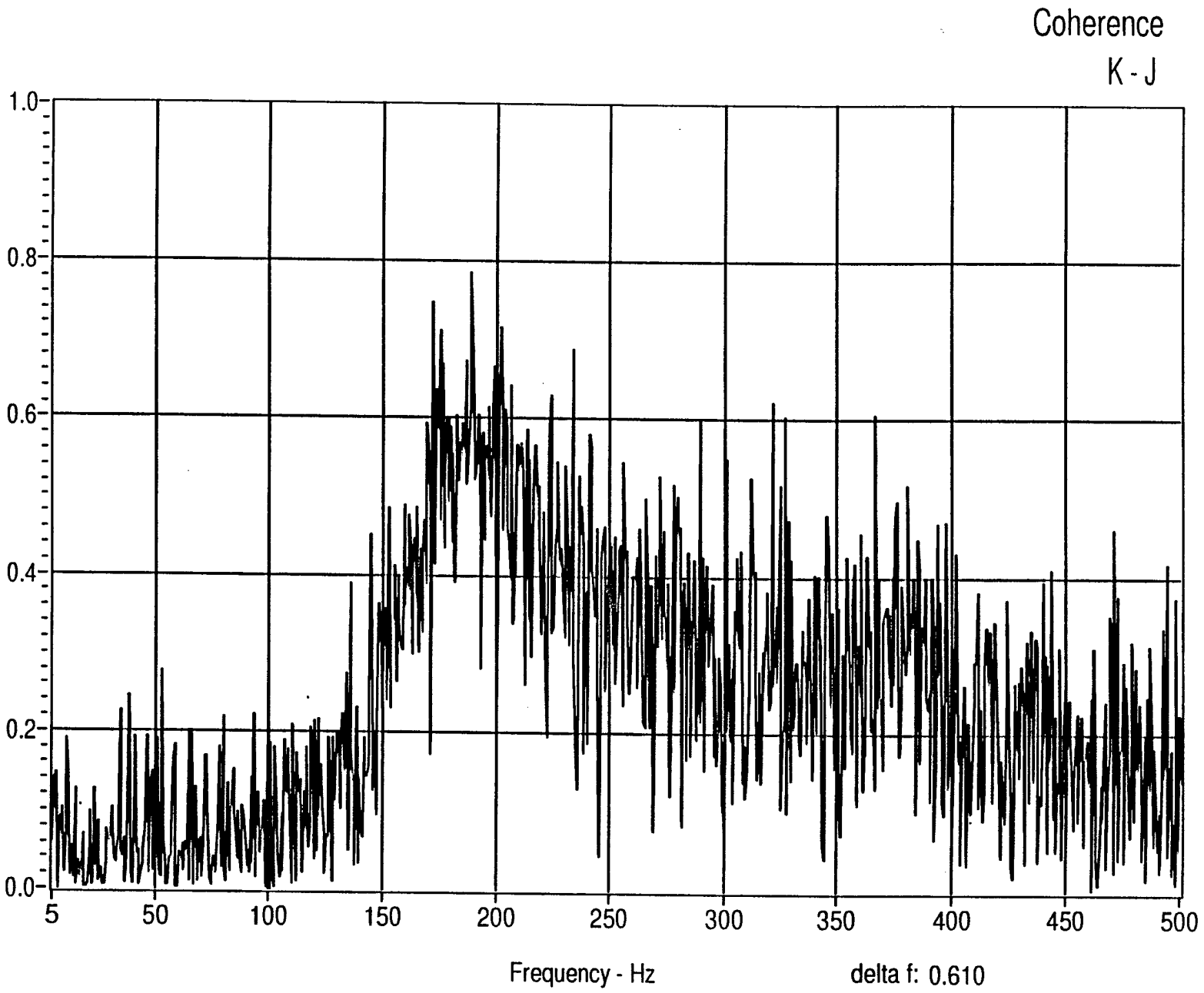
F-15 TPN_3377: alpha=24 beta=-4 bp=45



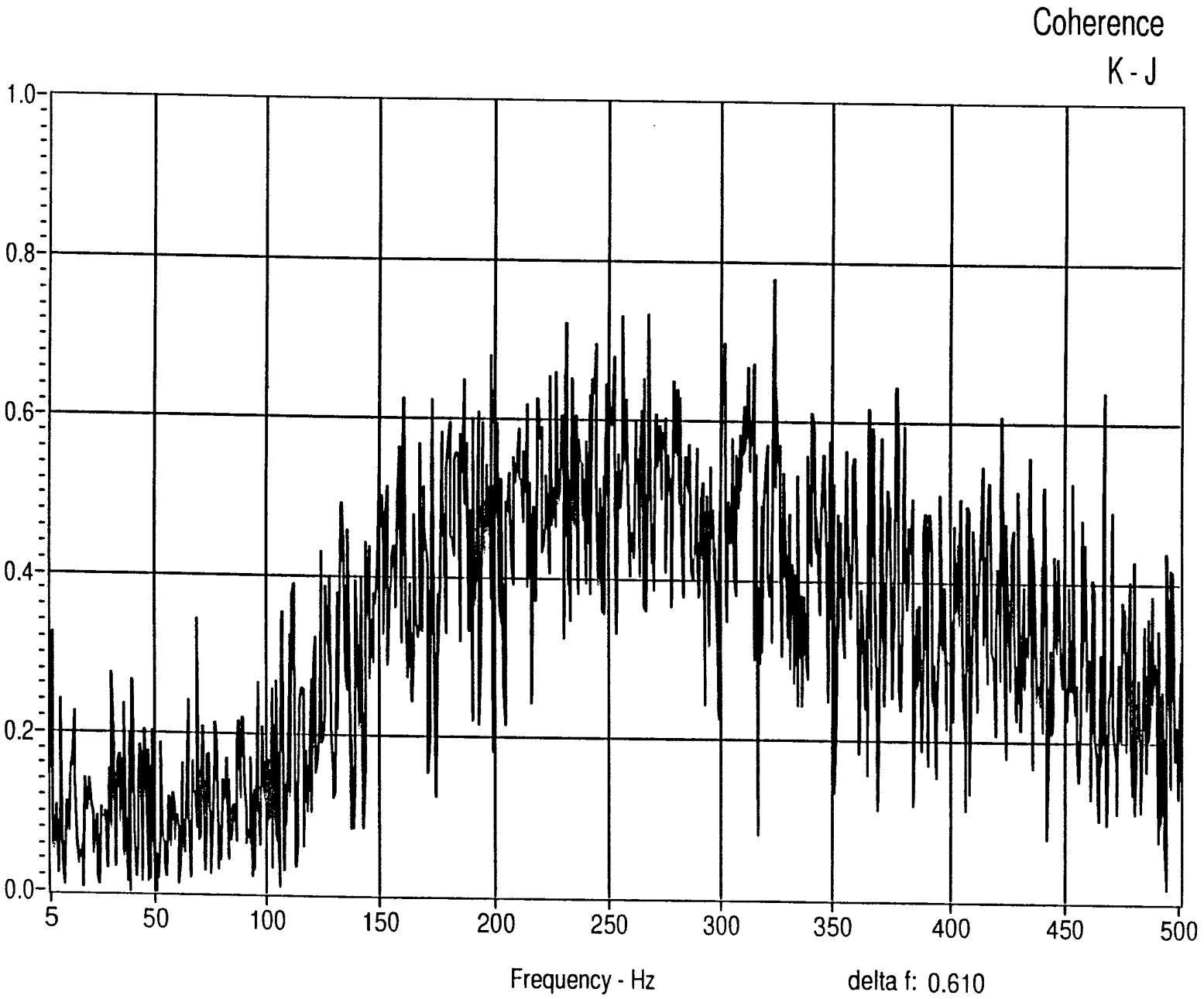
F-15 TPN_3379: alpha=32 beta=-4 bp=45



F-15 TPN_3046: alpha=20 beta=4 bp=65

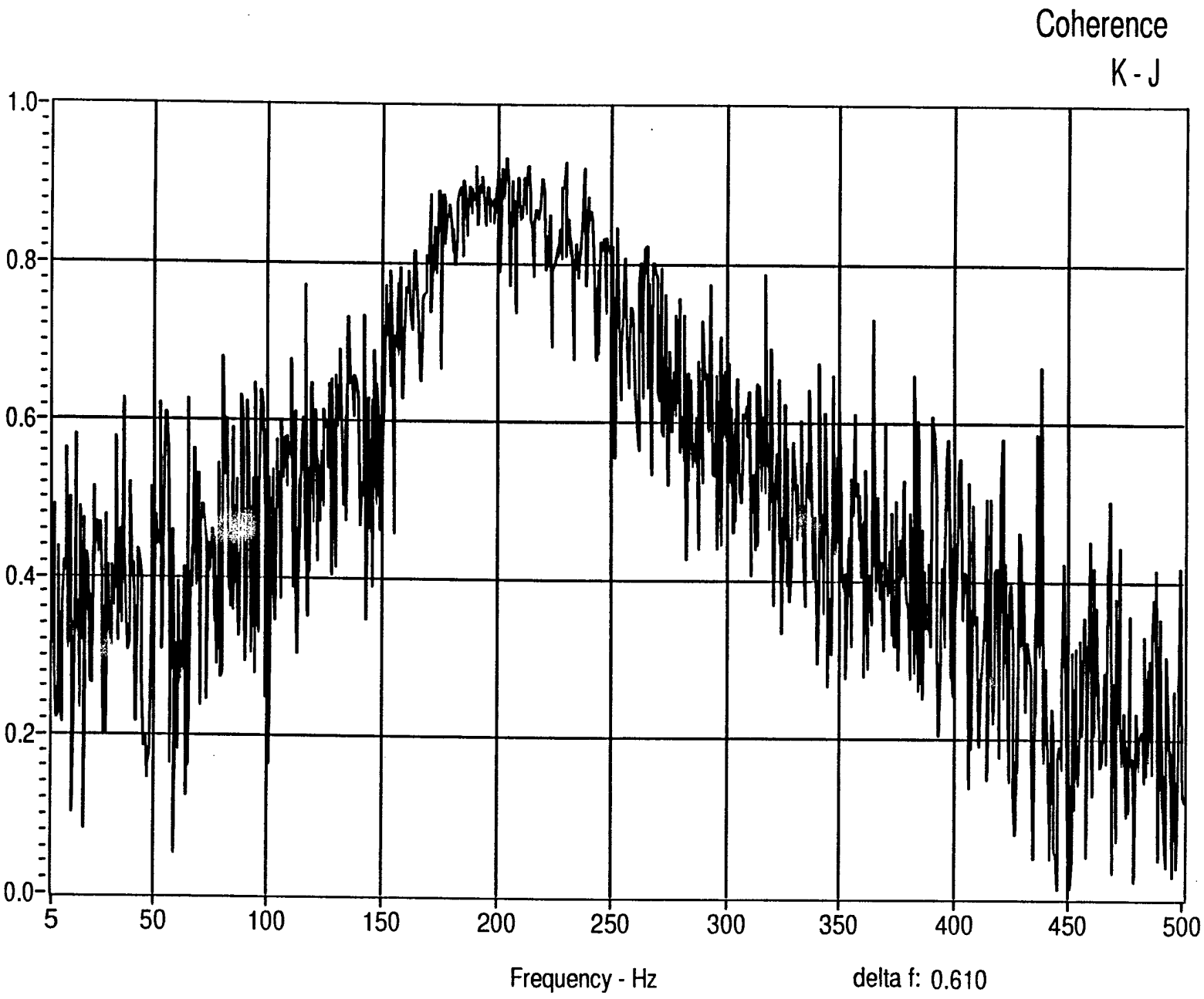


F-15 TPN_3048: alpha=24 beta=4 bp=65

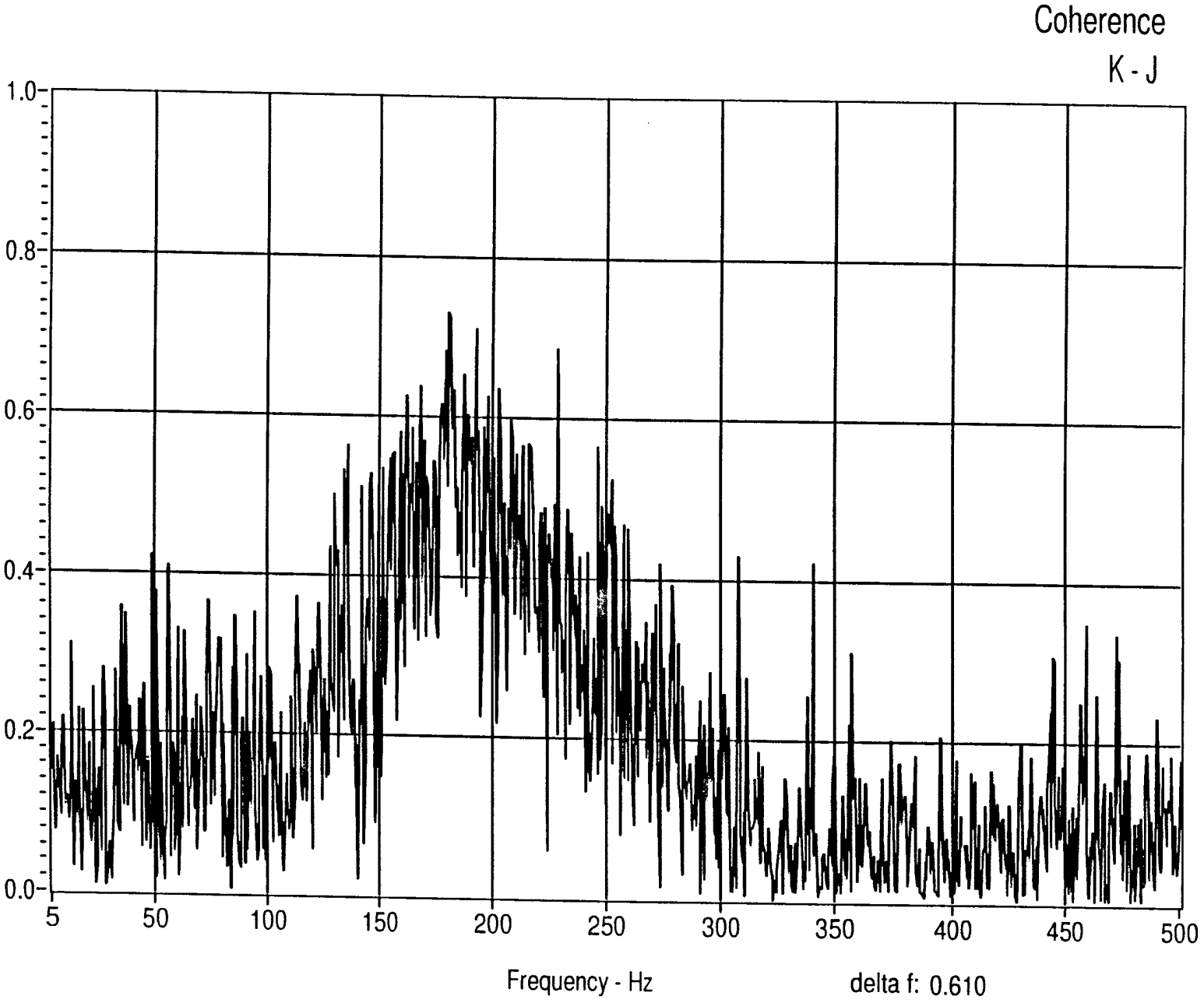


1006

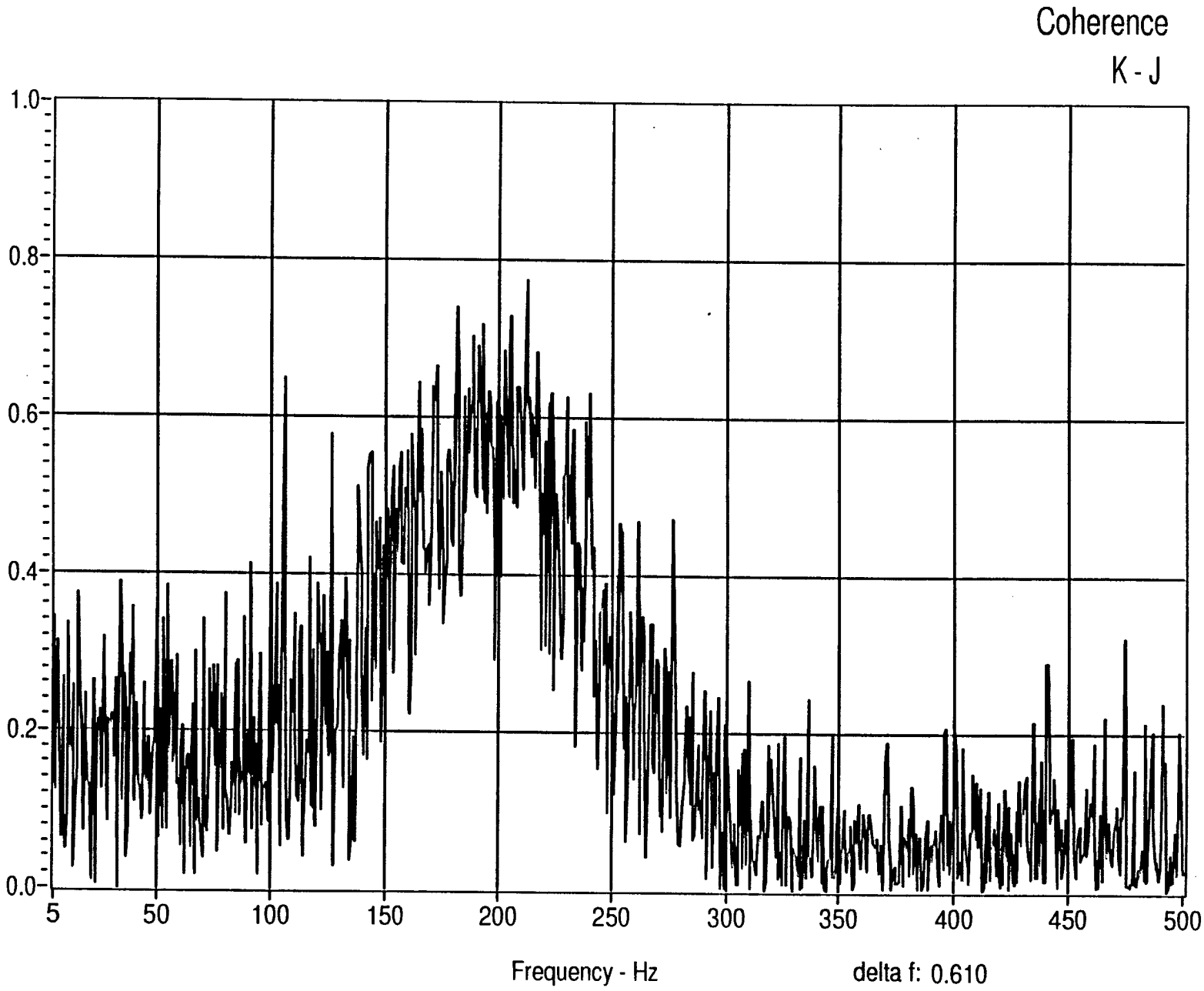
F-15 TPN_3040: alpha=20 beta=0 bp=65



F-15 TPN_3042: alpha=24 beta=0 bp=65

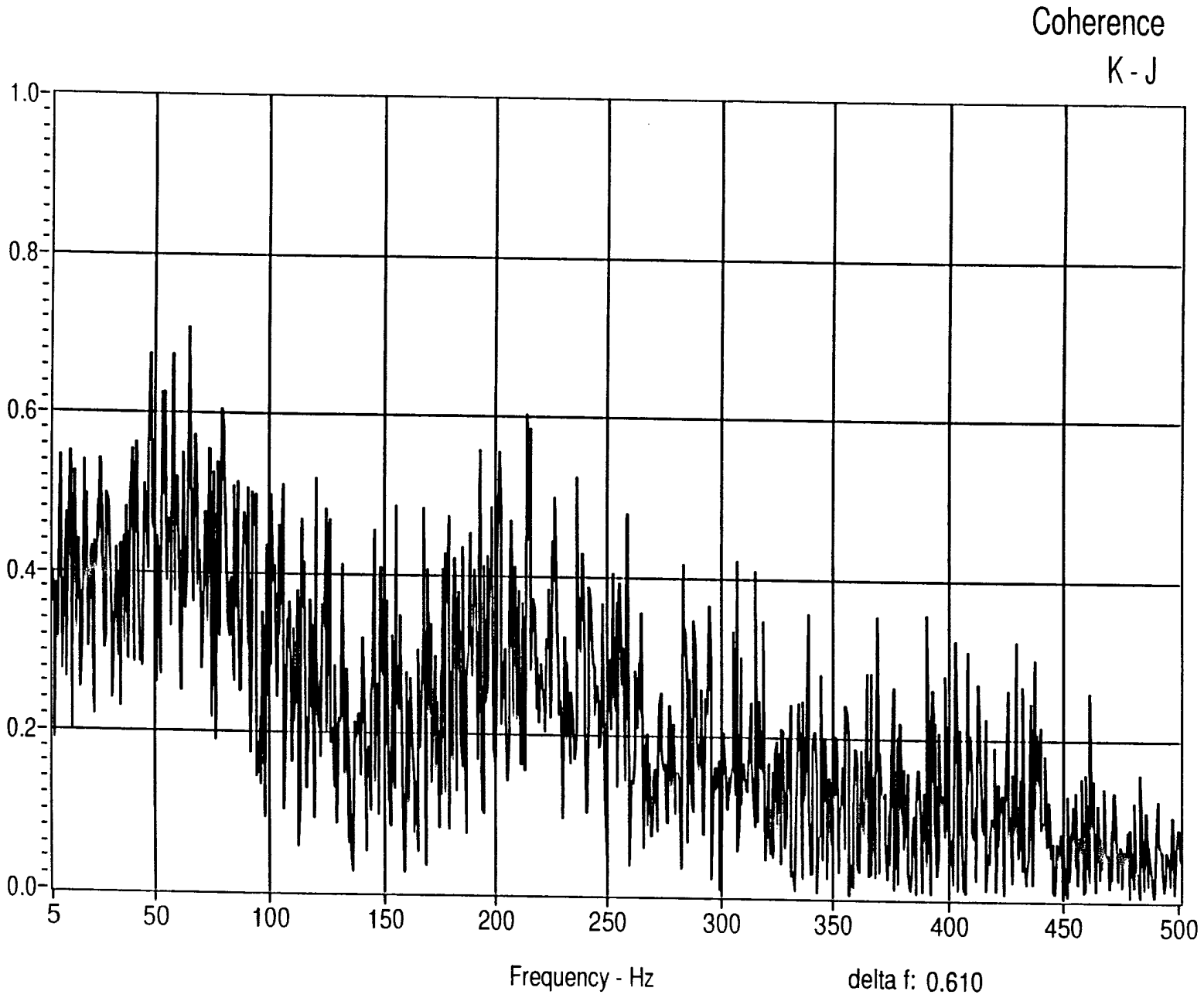


F-15 TPN_3034: alpha=20 beta=-4 bp=65

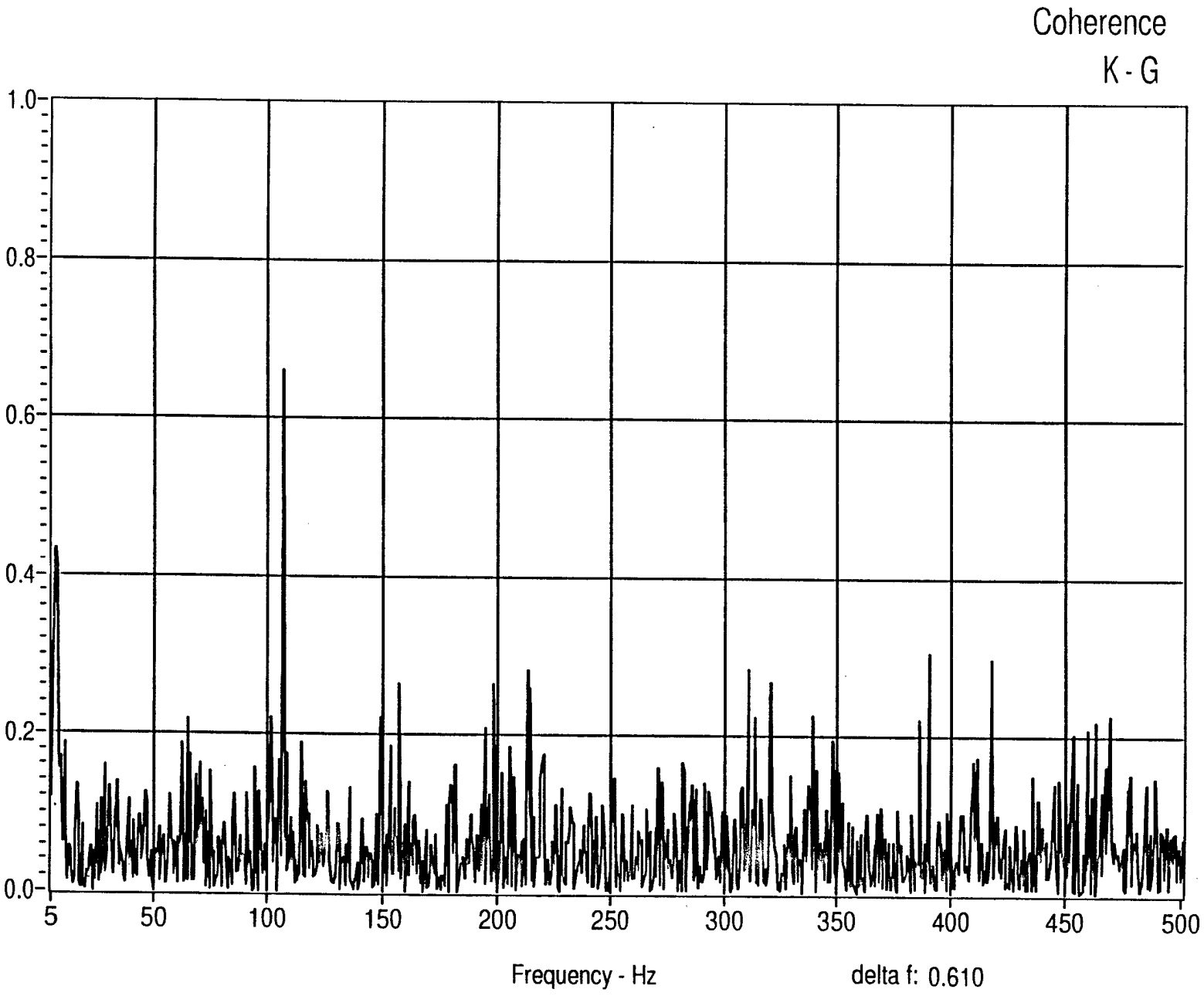


1009

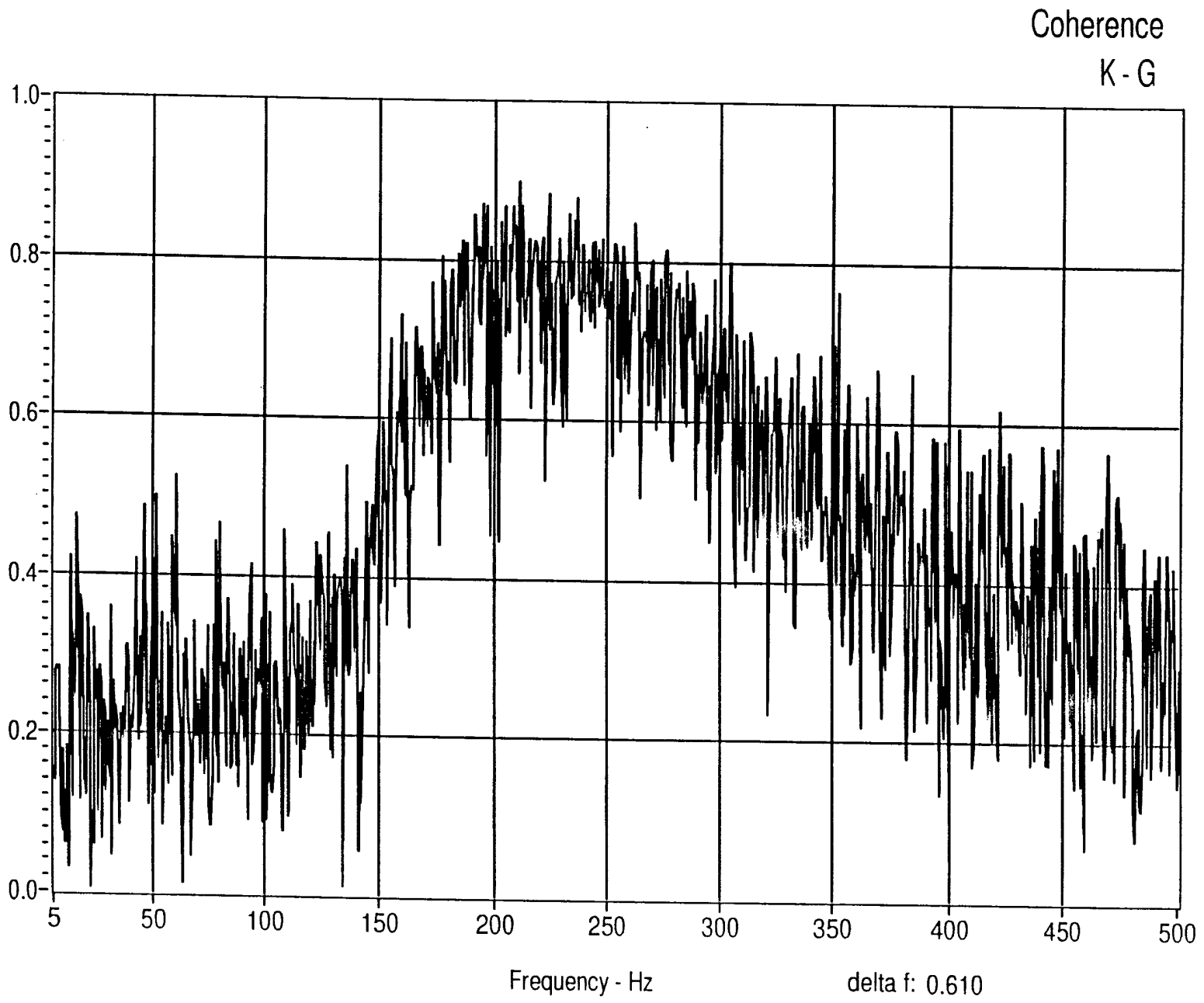
F-15 TPN_3036: alpha=24 beta=-4 bp=65



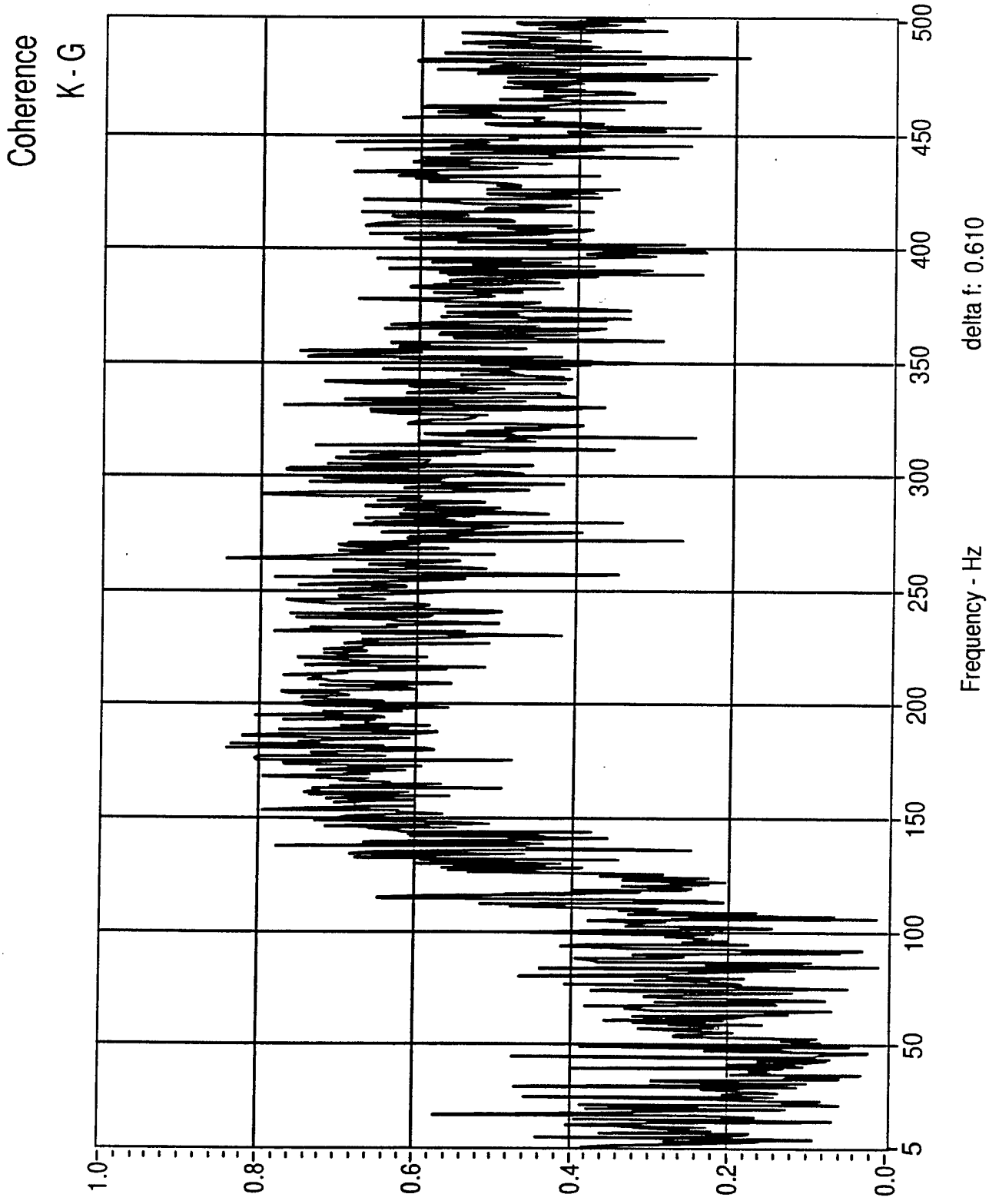
F-15 TPN_2918: alpha=8 beta=4 bp=0



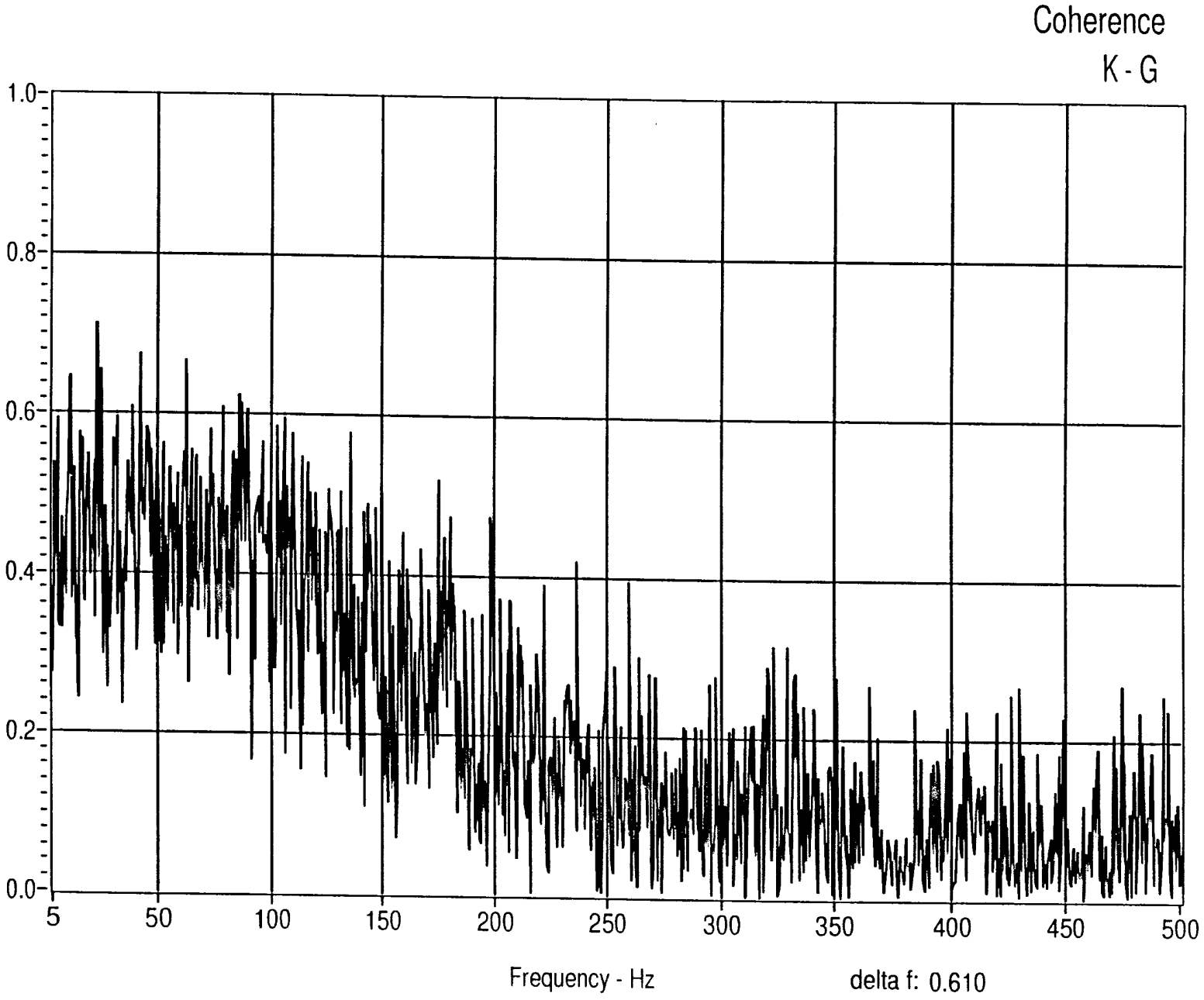
F-15 TPN_2924: alpha=20 beta=4 bp=0



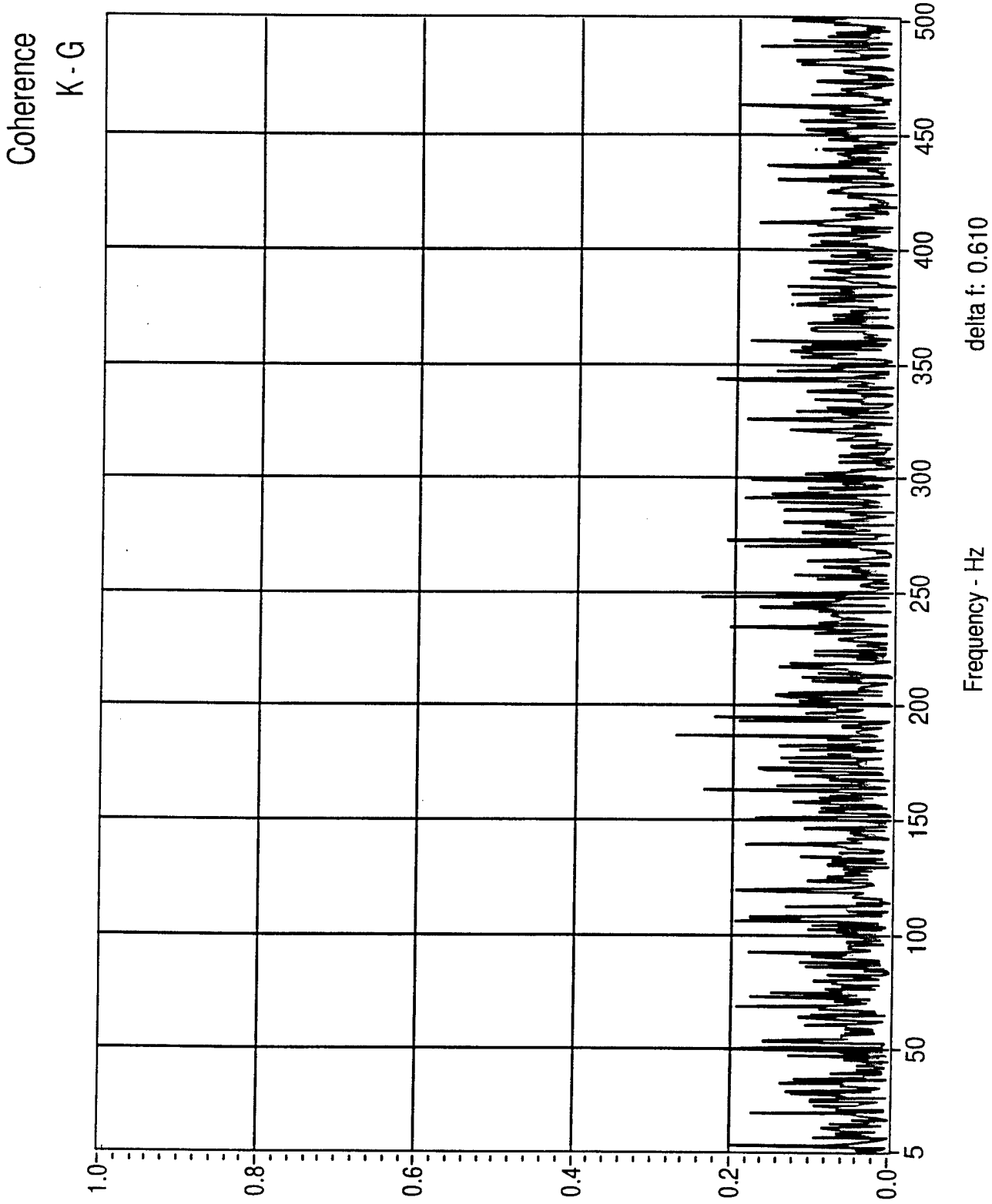
F-15 TPN_2926: alpha=24 beta=4 bp=0



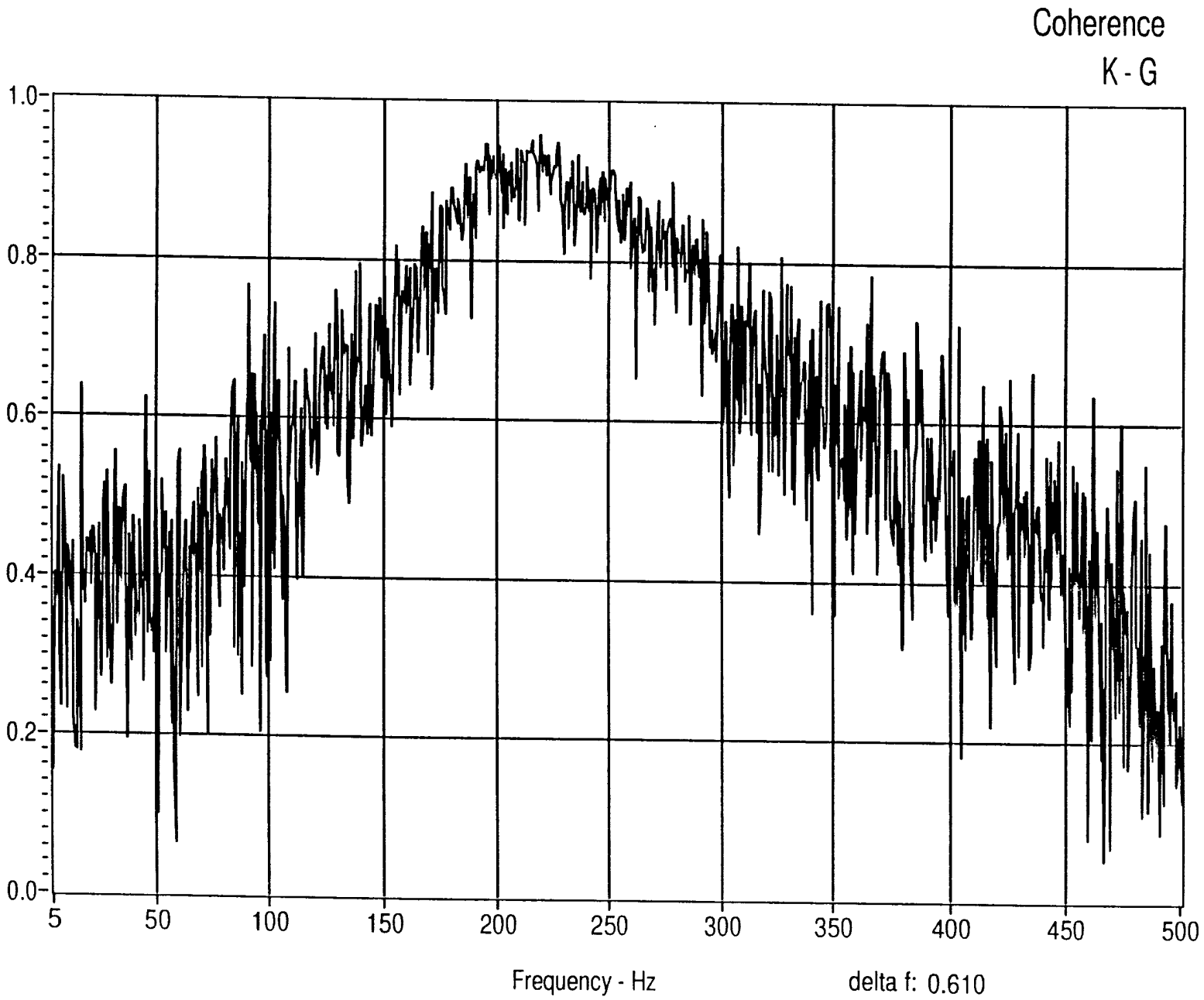
F-15 TPN_2928: alpha=32 beta=4 bp=0



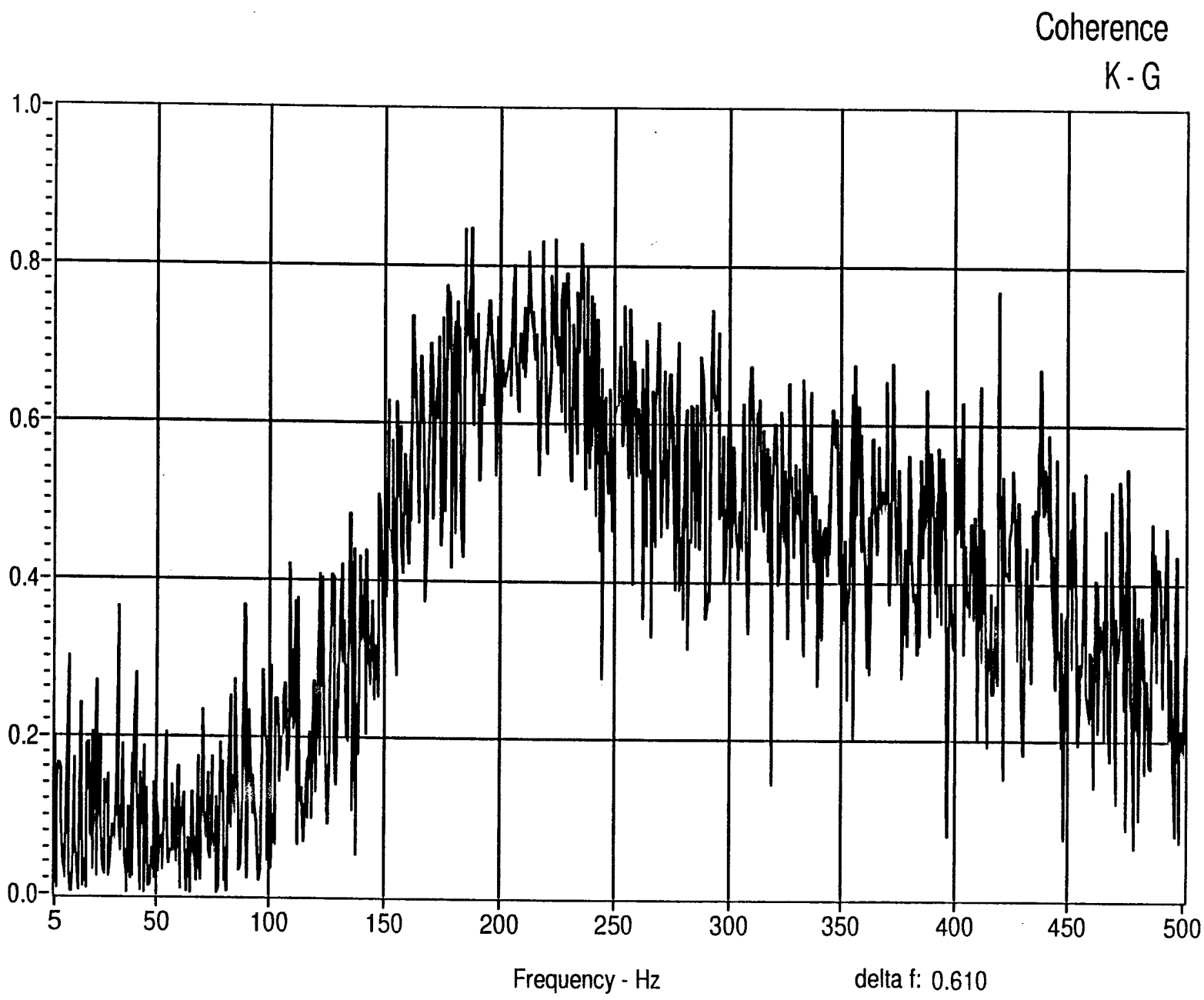
F-15 TPN_2844: alpha=8 beta=0 bp=0



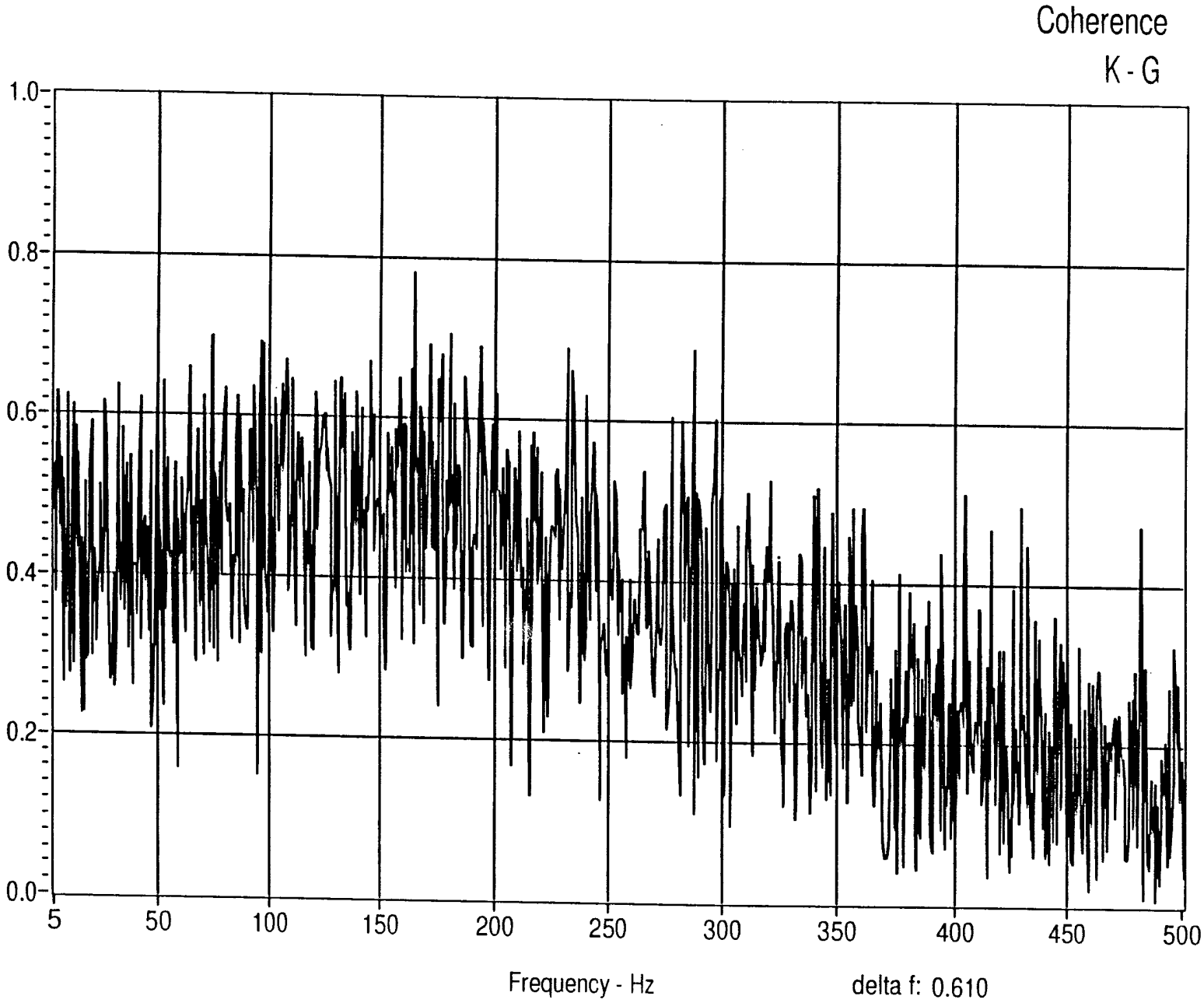
F-15 TPN_2850: alpha=20 beta=0 bp=0



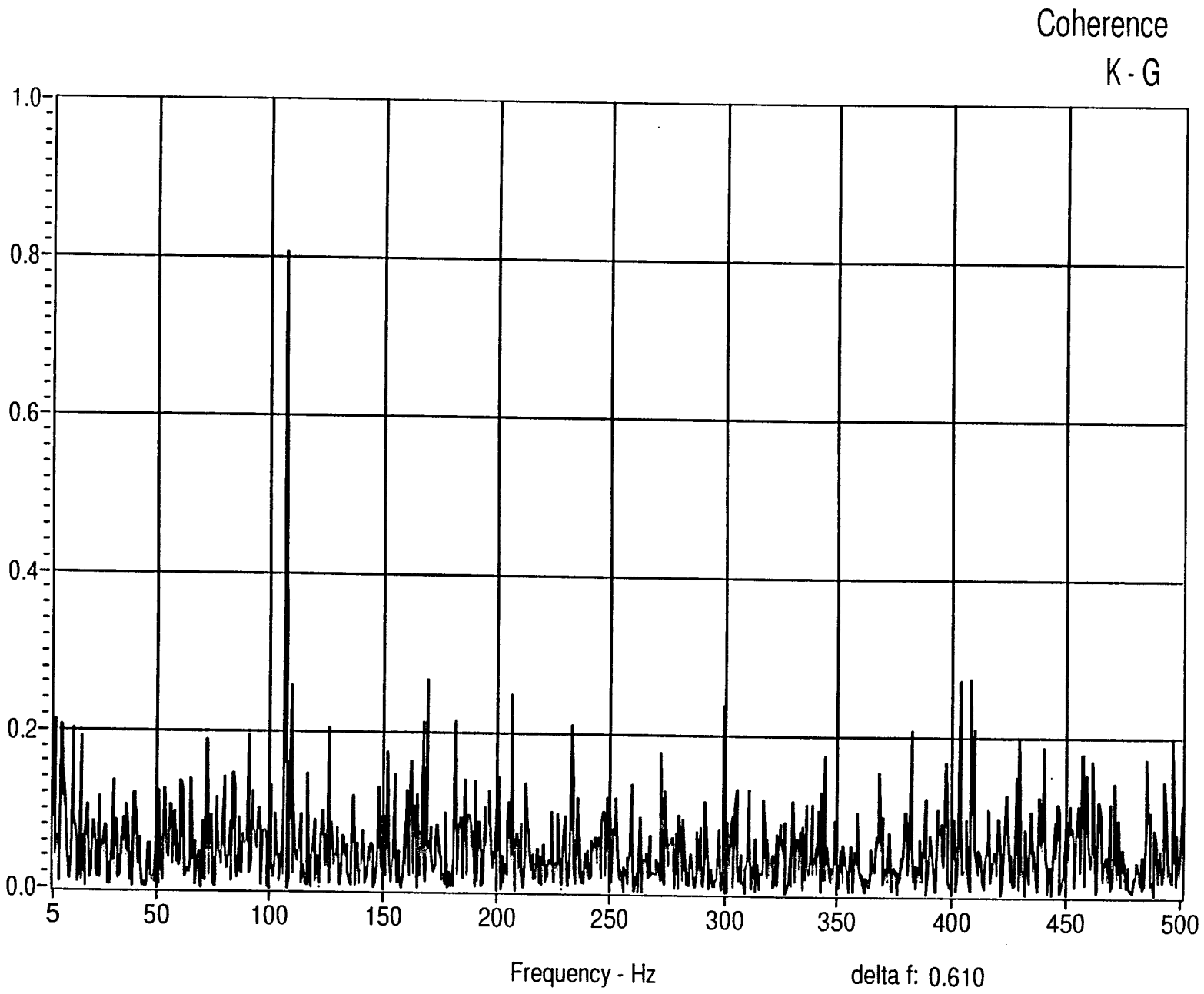
F-15 TPN_2852: alpha=24 beta=0 bp=0



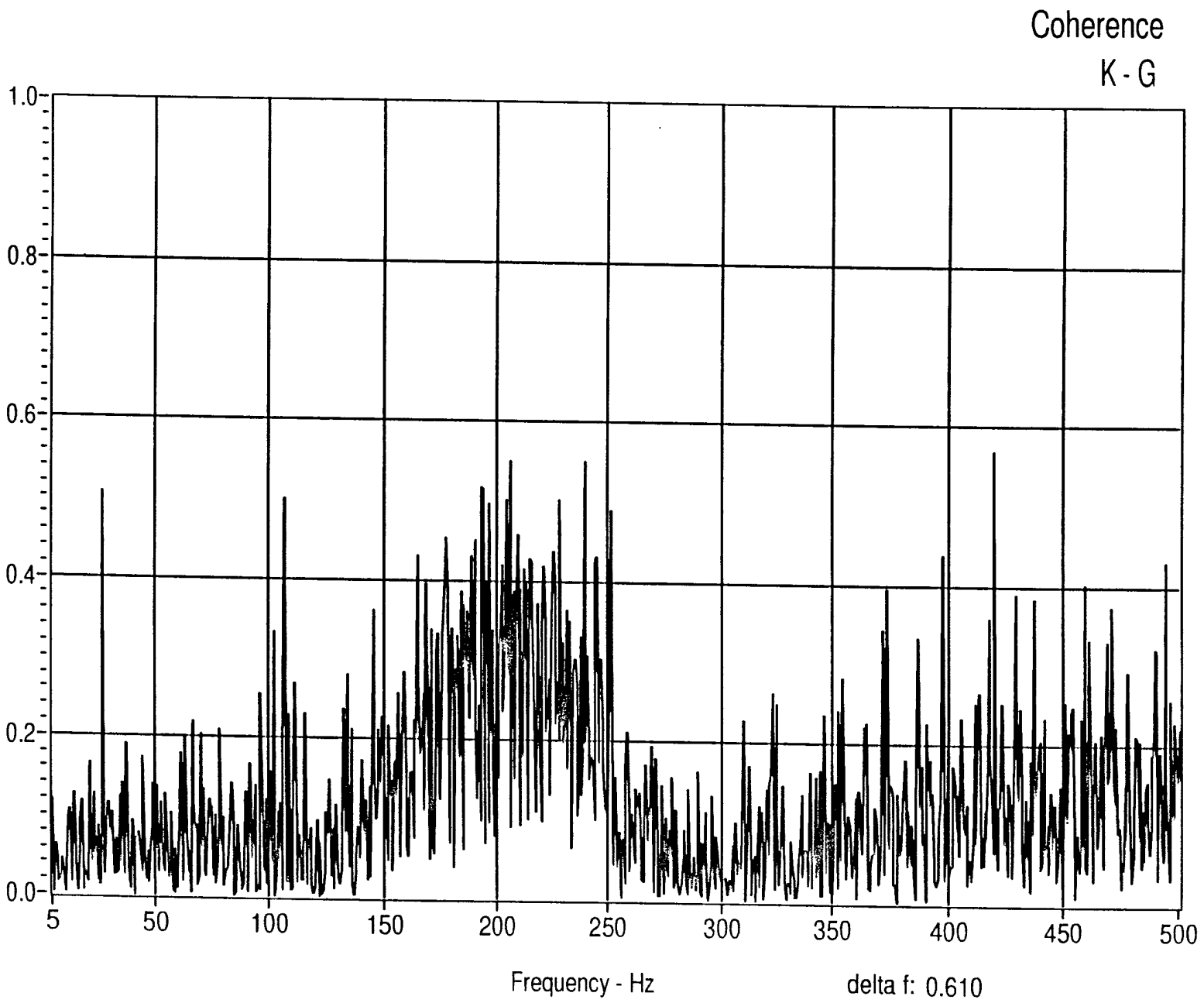
F-15 TPN_2854: alpha=32 beta=0 bp=0



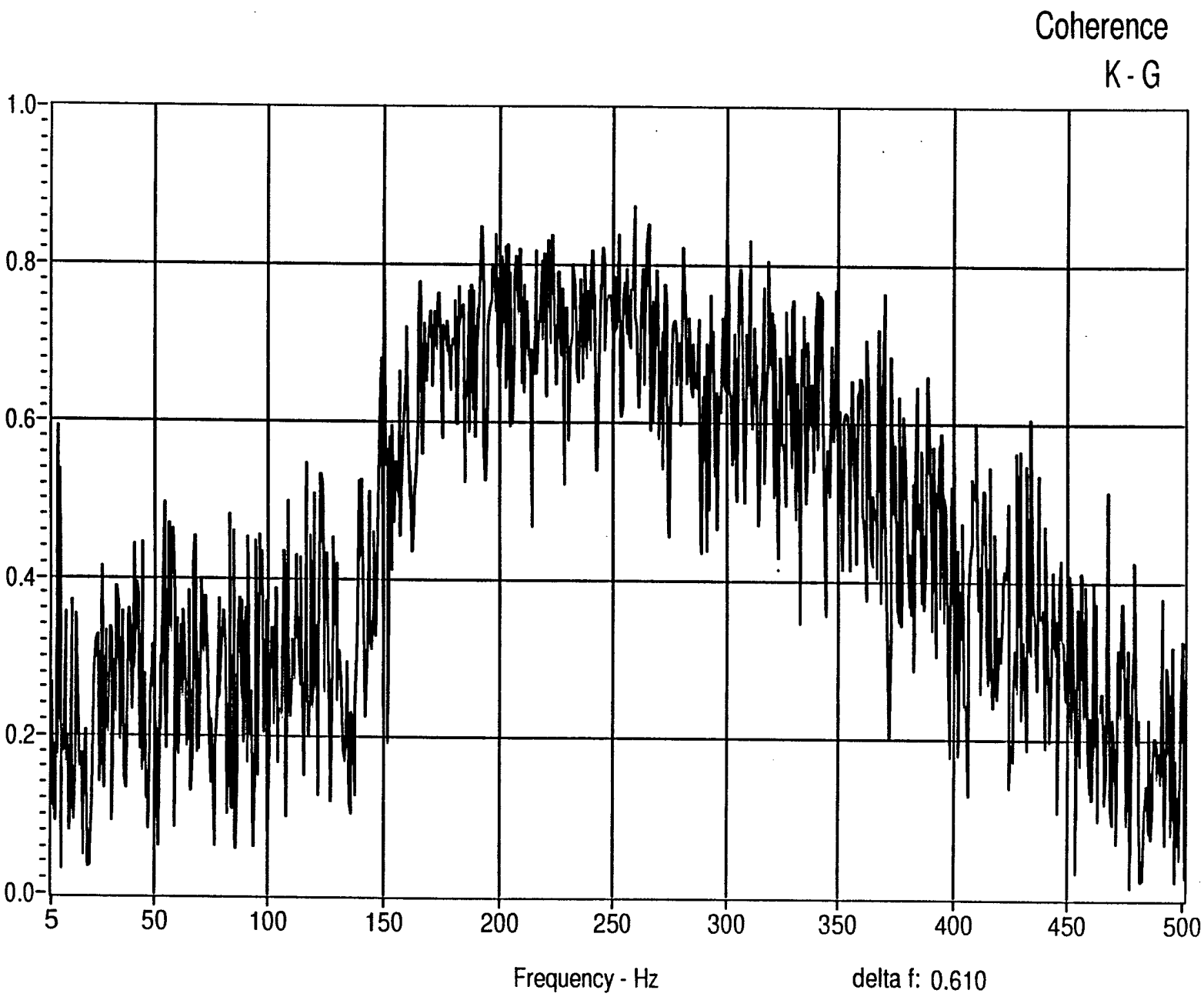
F-15 TPN_2864: alpha=8 beta=-4 bp=0



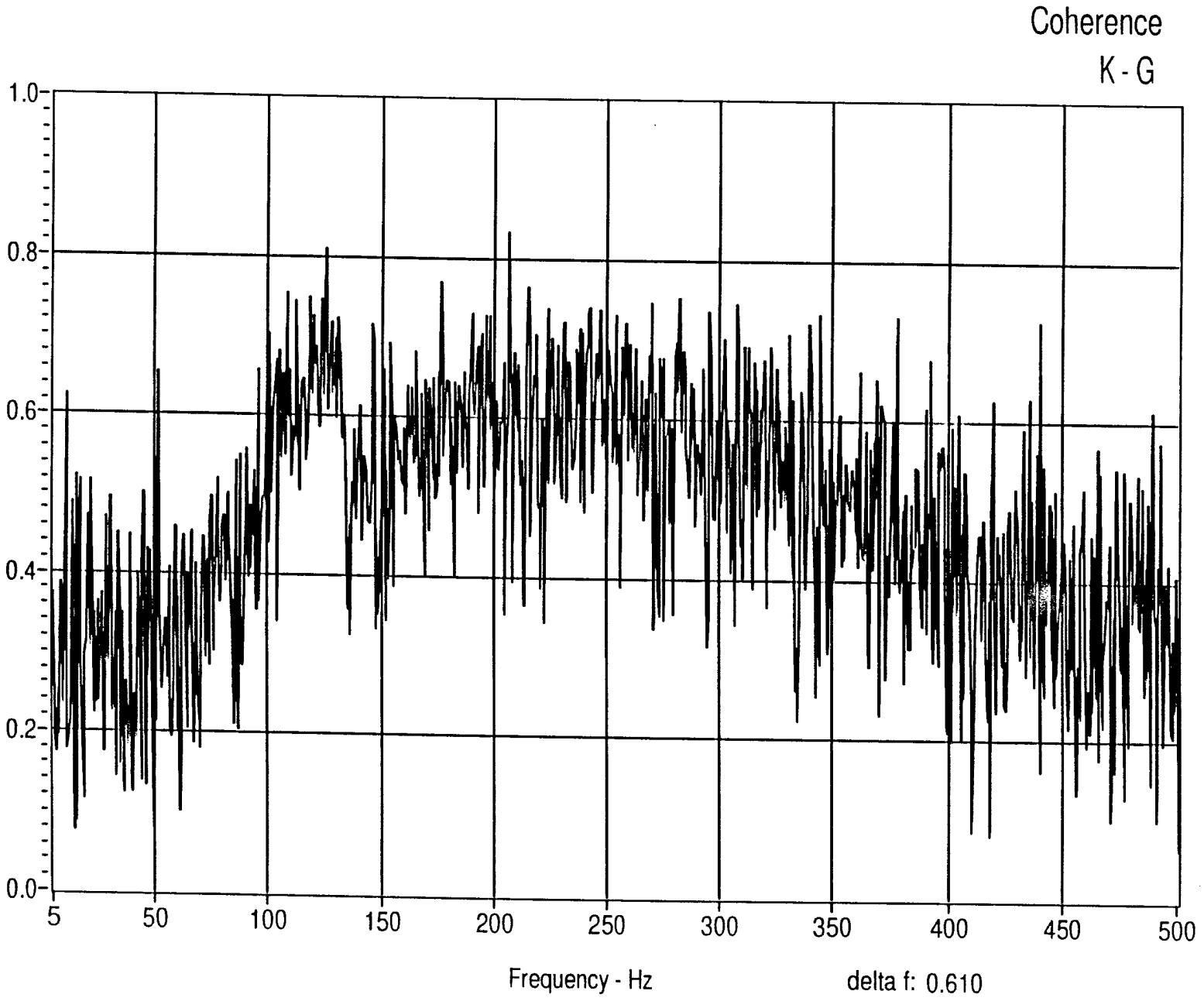
F-15 TPN_2870: alpha=20 beta=-4 bp=0



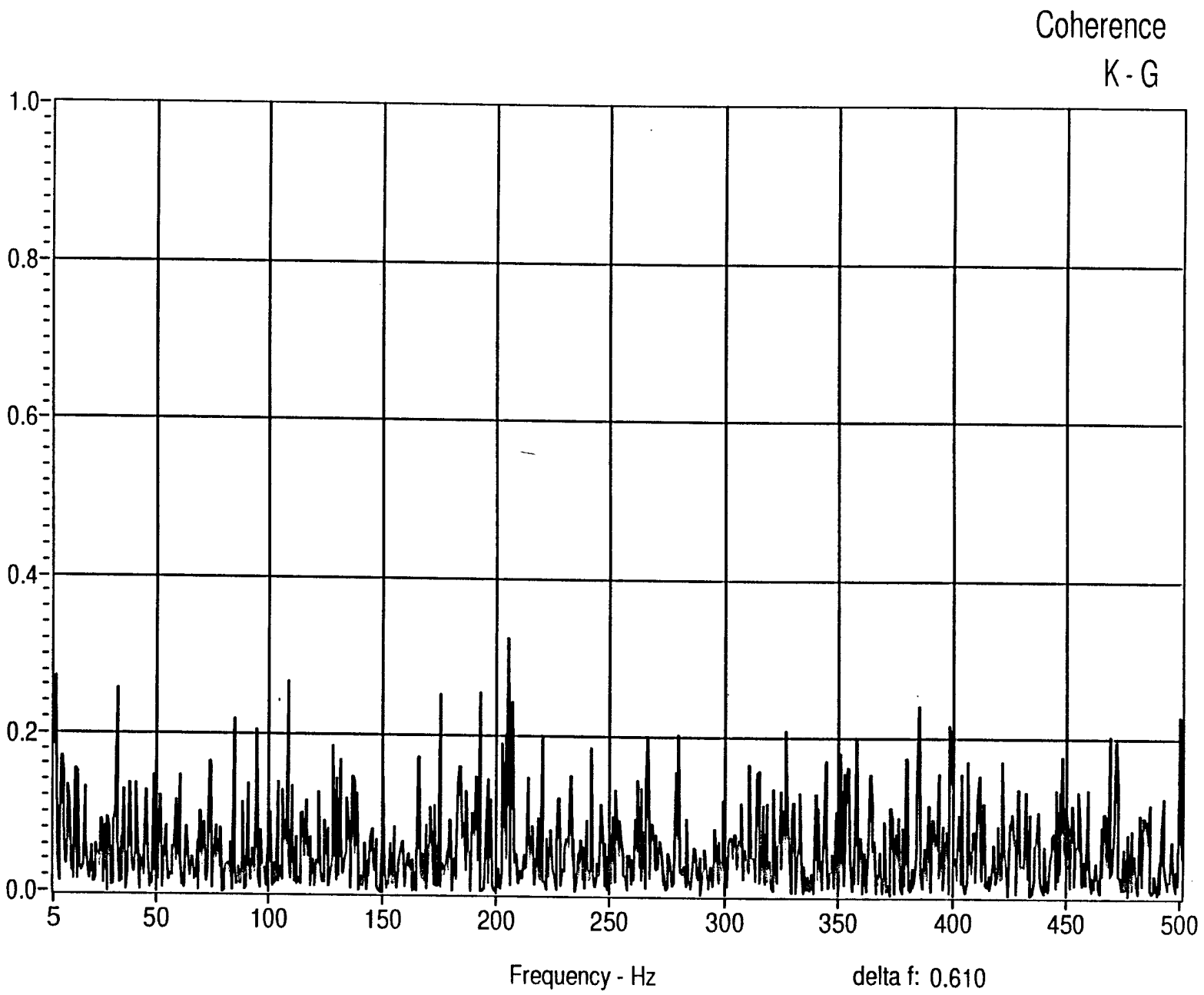
F-15 TPN_2872: alpha=24 beta=-4 bp=0



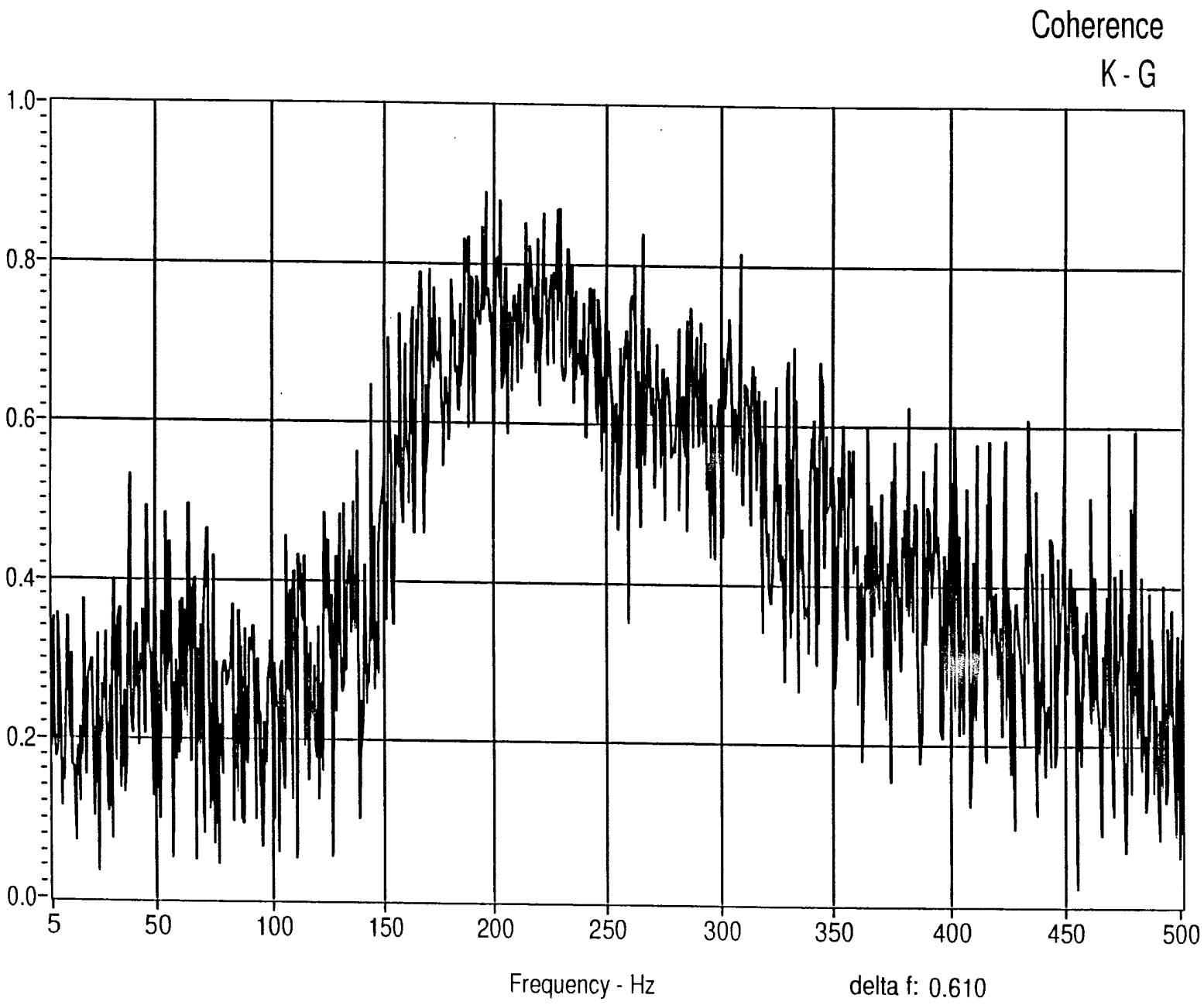
F-15 TPN_2874: alpha=32 beta=-4 bp=0



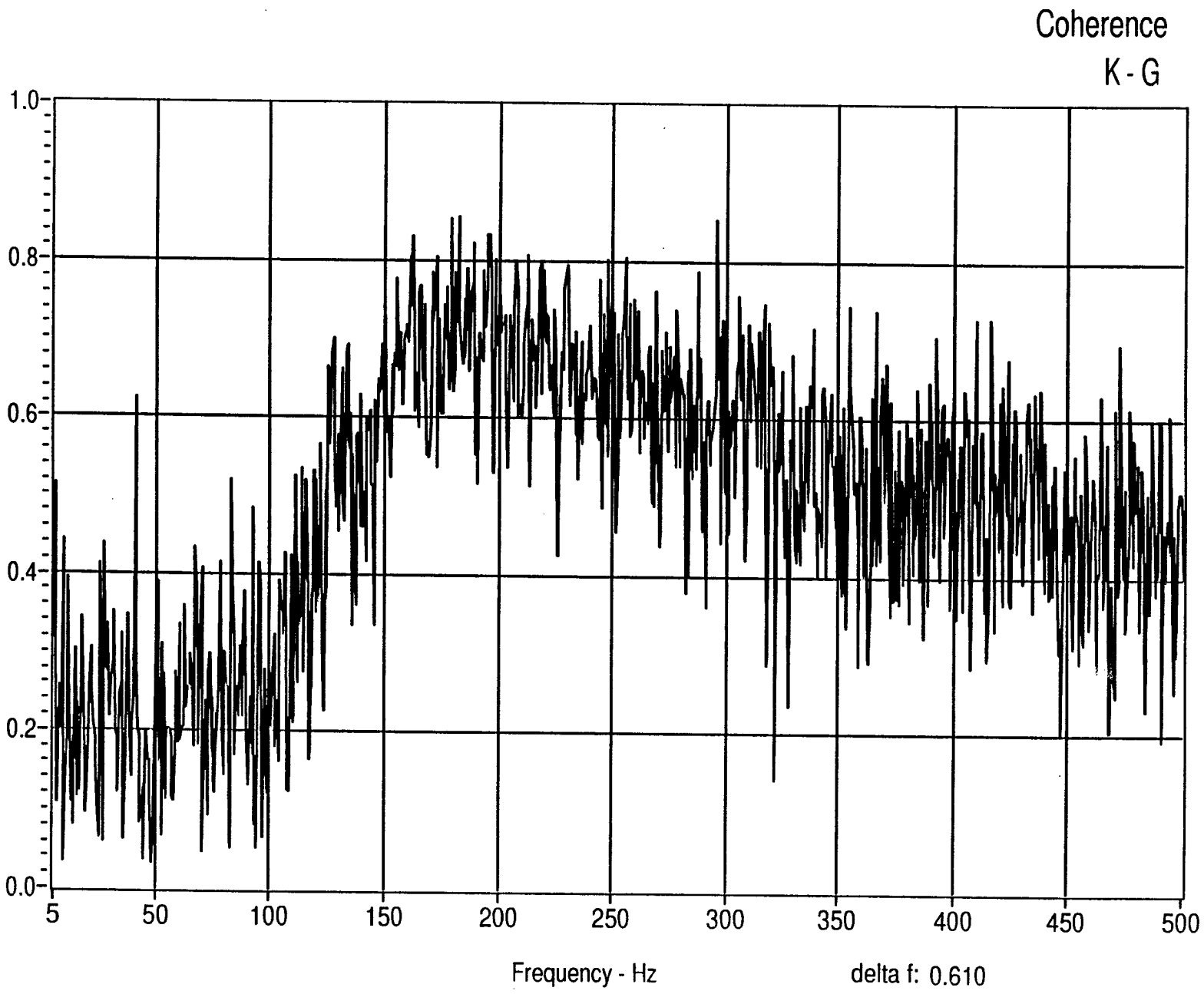
F-15 TPN_3351: alpha=8 beta=4 bp=45



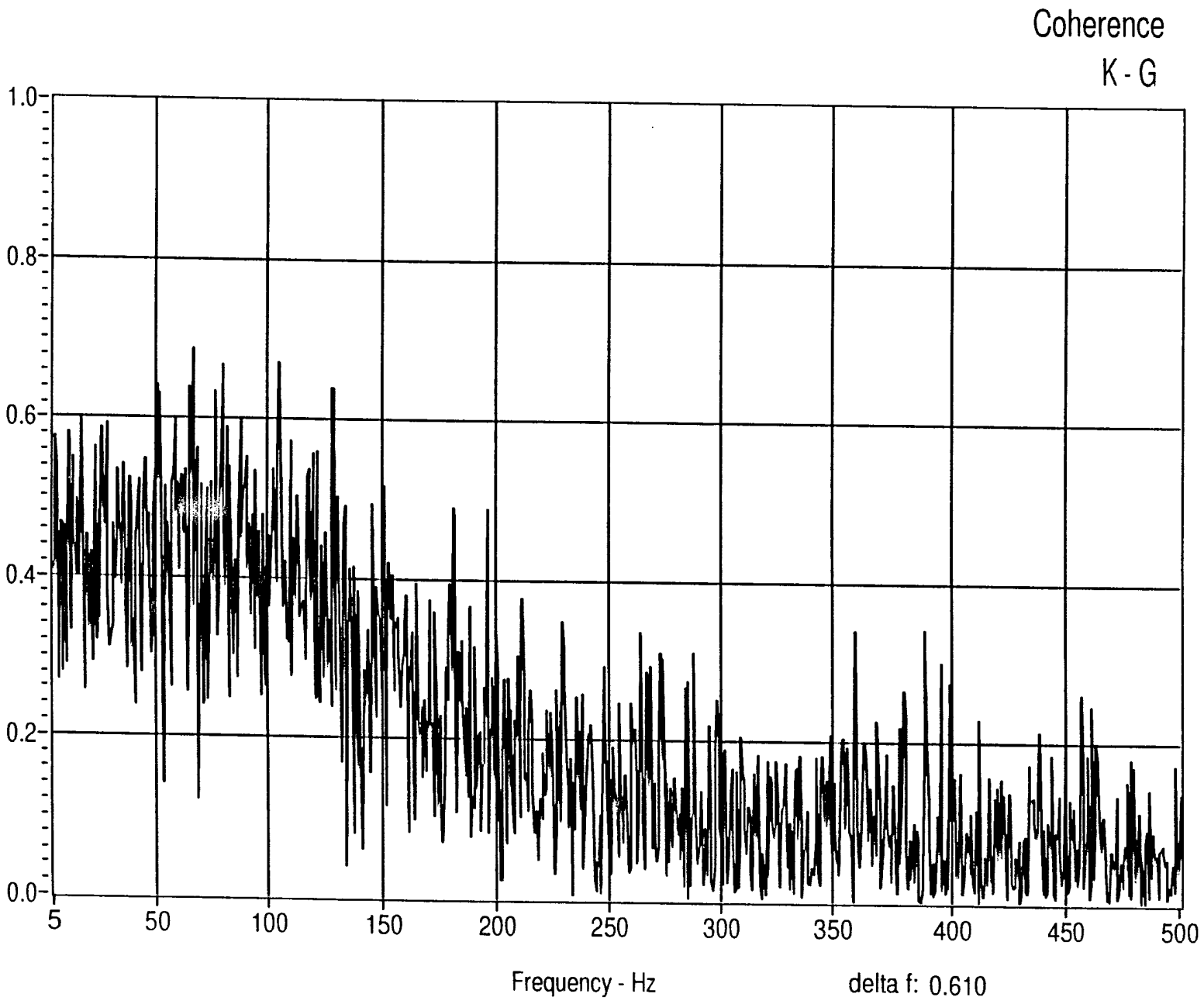
F-15 TPN_3357: alpha=20 beta=4 bp=45



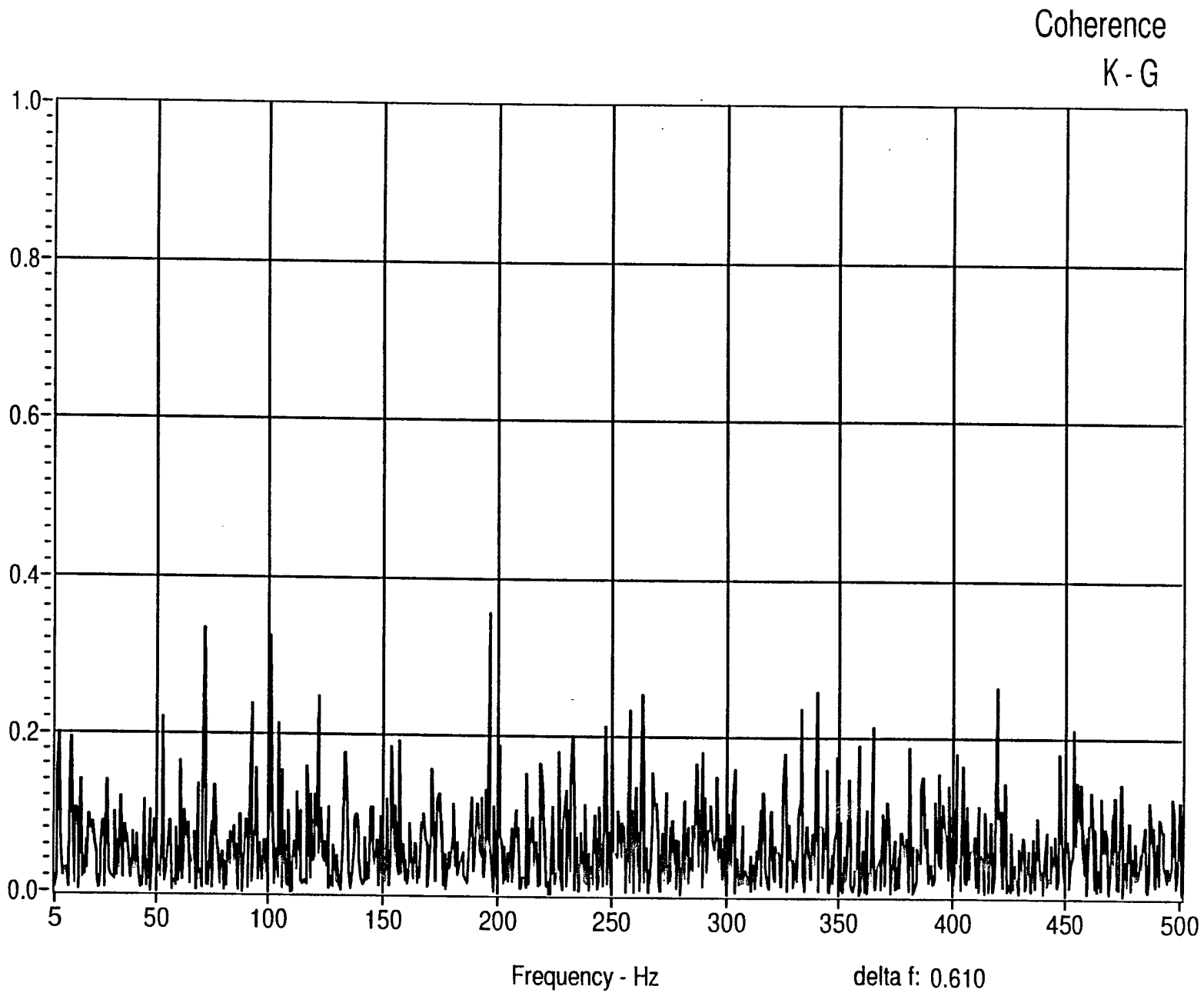
F-15 TPN_3359: alpha=24 beta=4 bp=45



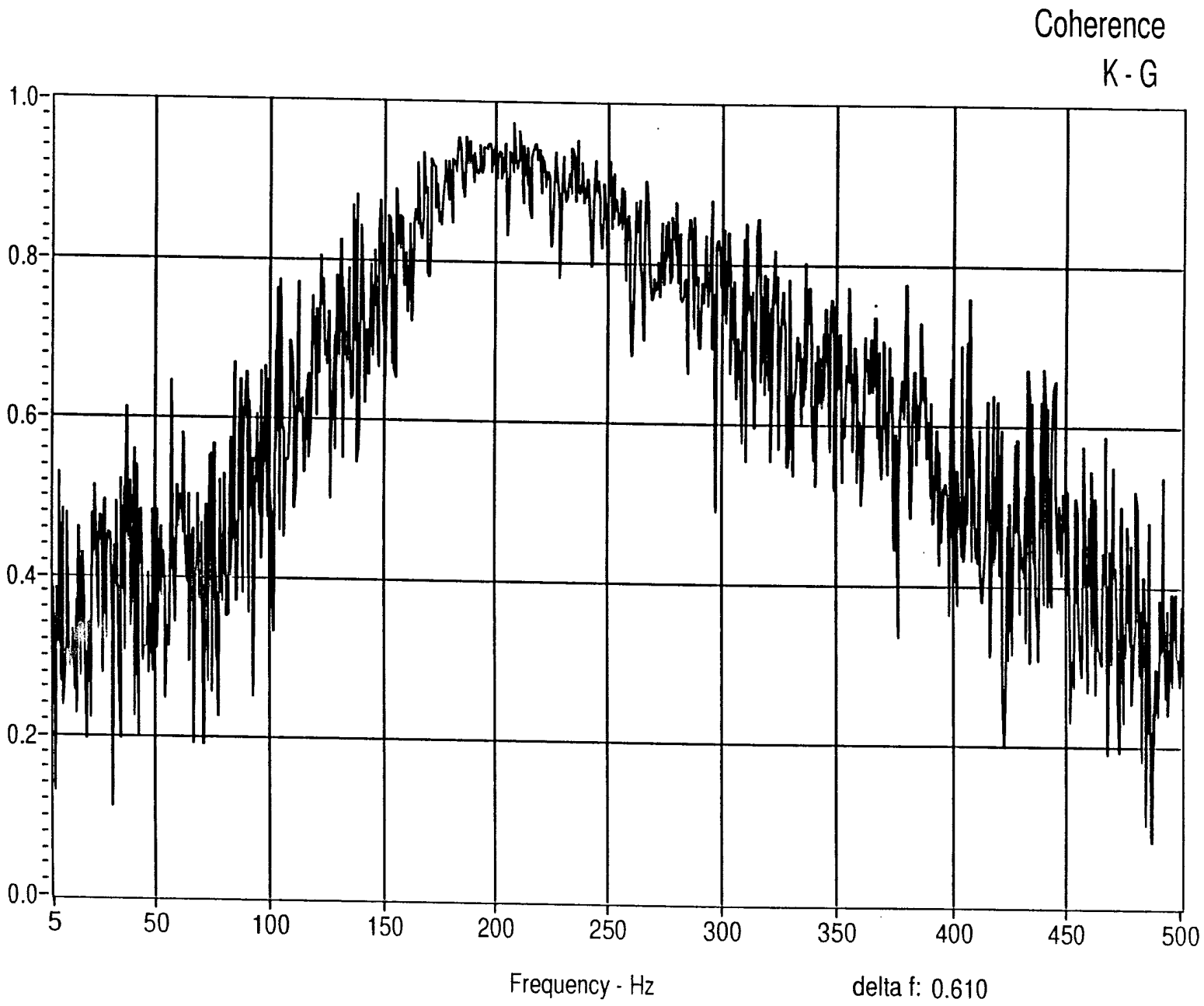
F-15 TPN_3361: alpha=32 beta=4 bp=45



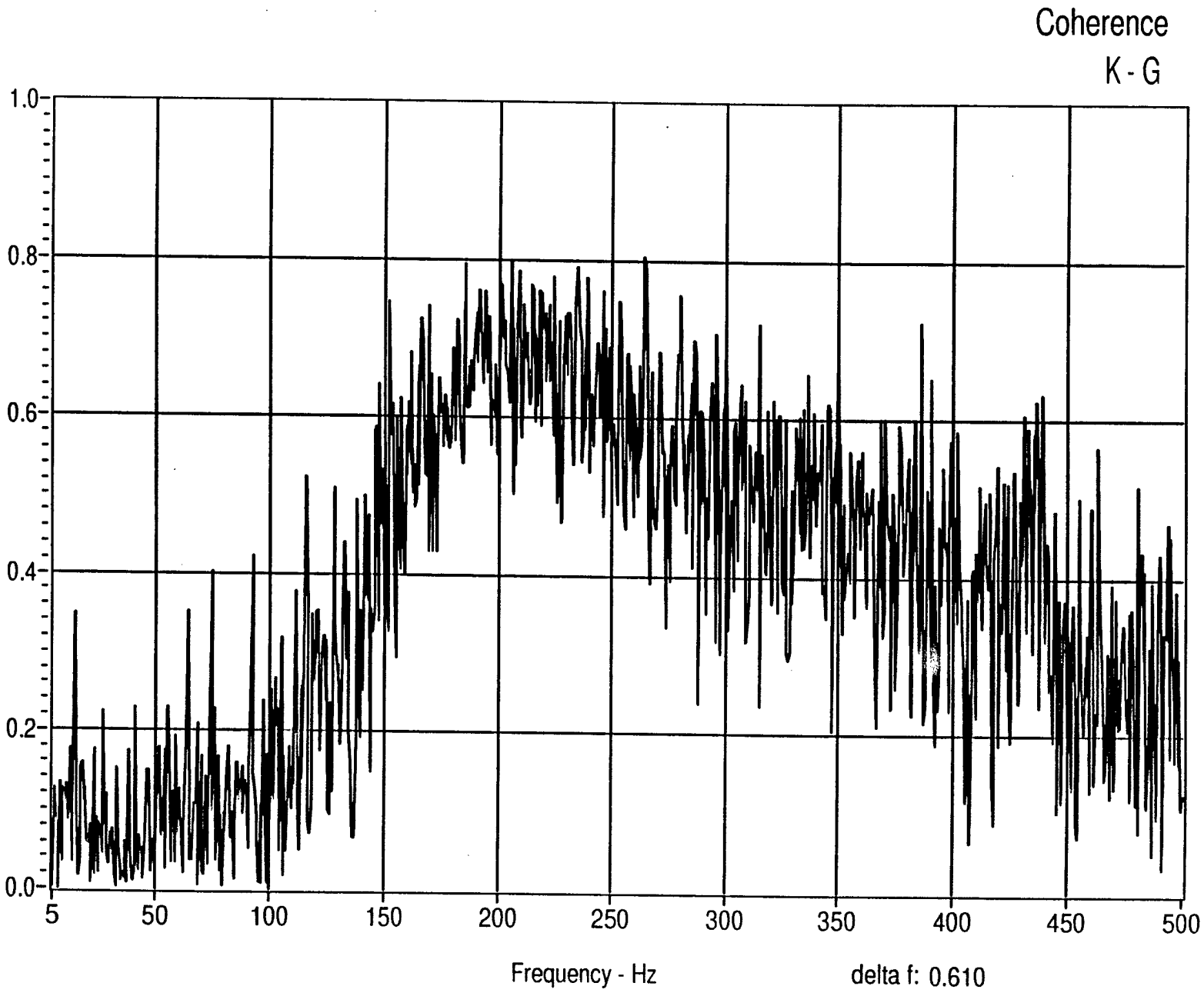
F-15 TPN_3333: alpha=8 beta=0 bp=45



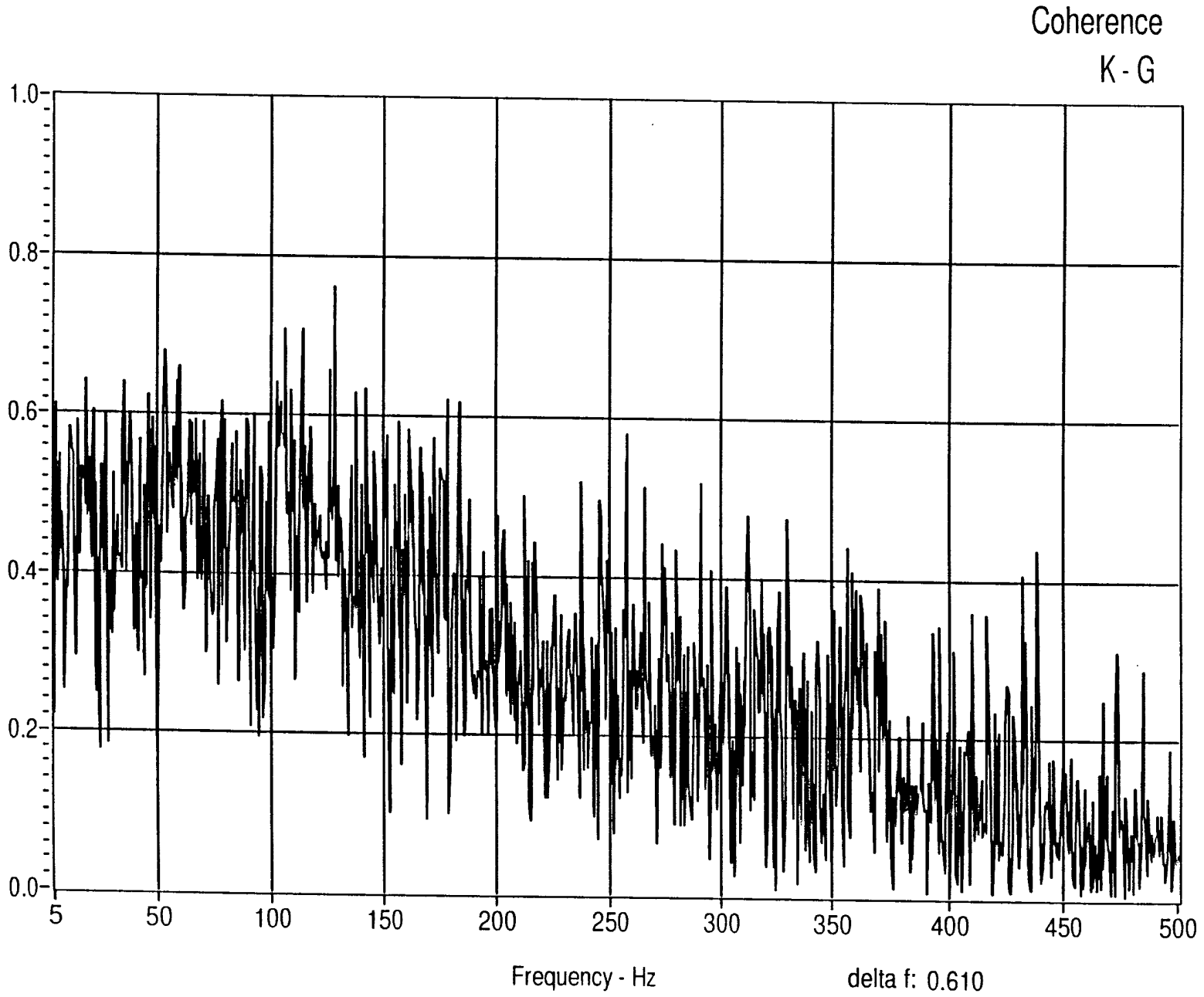
F-15 TPN_3339: alpha=20 beta=0 bp=45



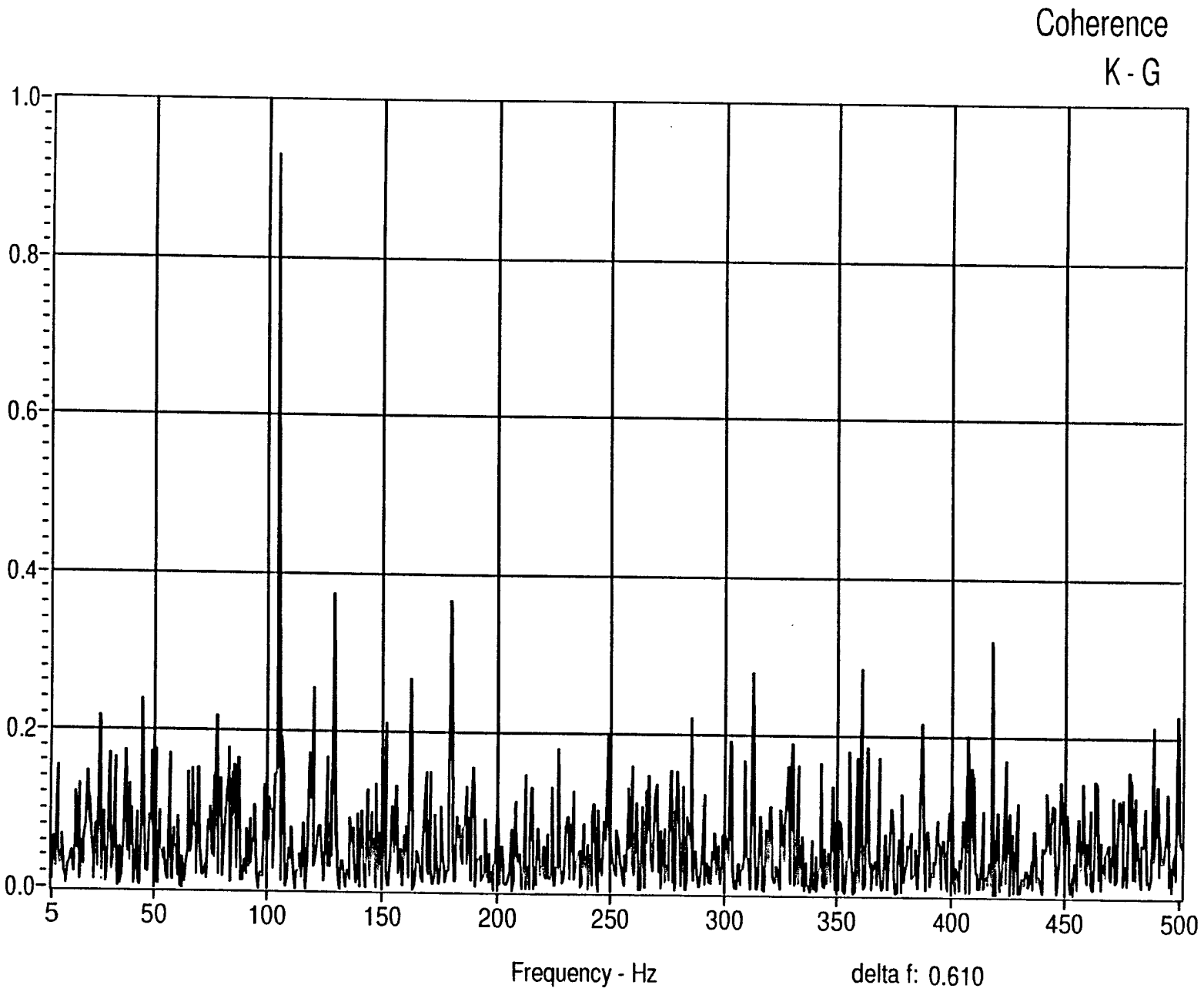
F-15 TPN_3341: alpha=24 beta=0 bp=45



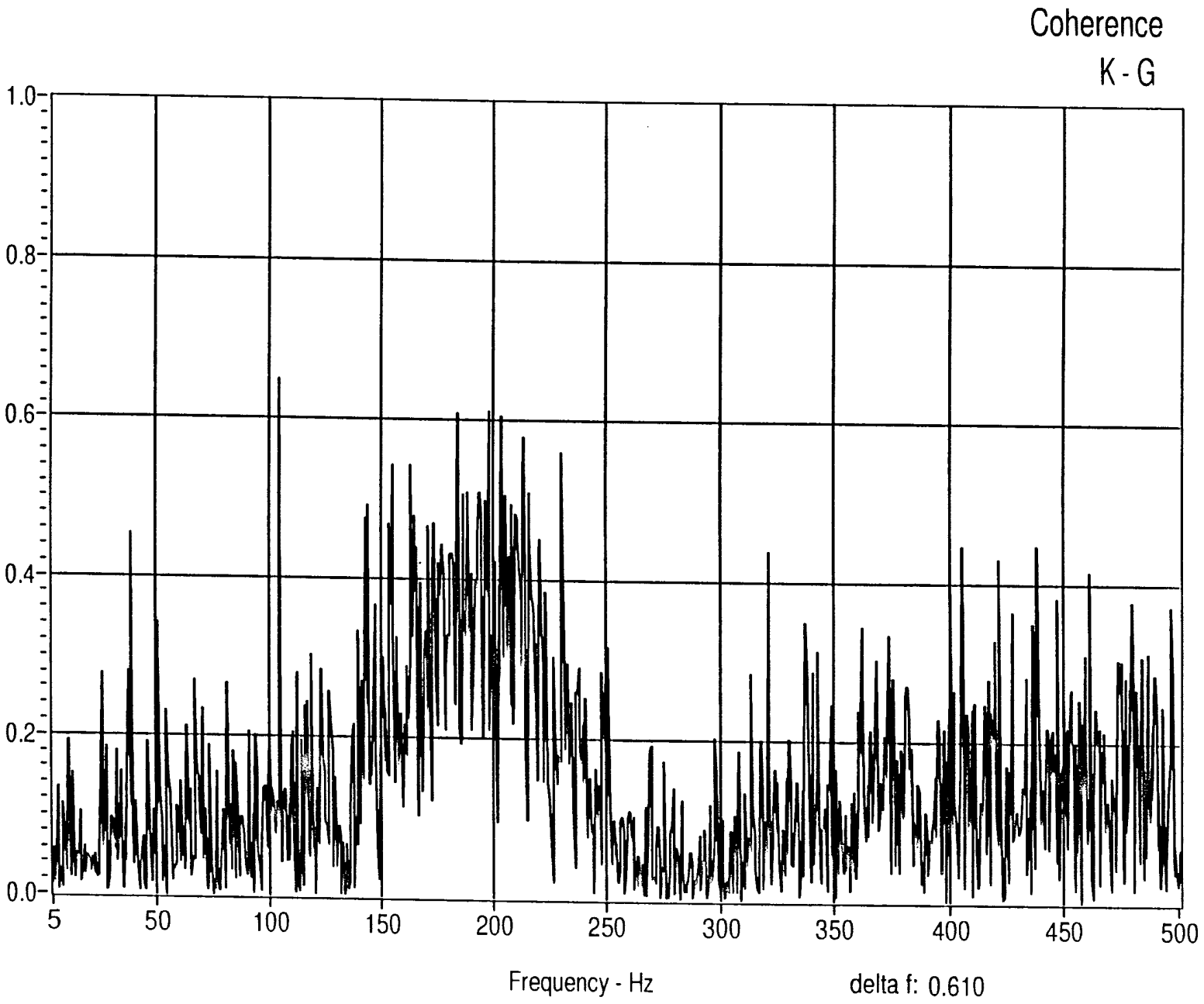
F-15 TPN_3343: alpha=32 beta=0 bp=45



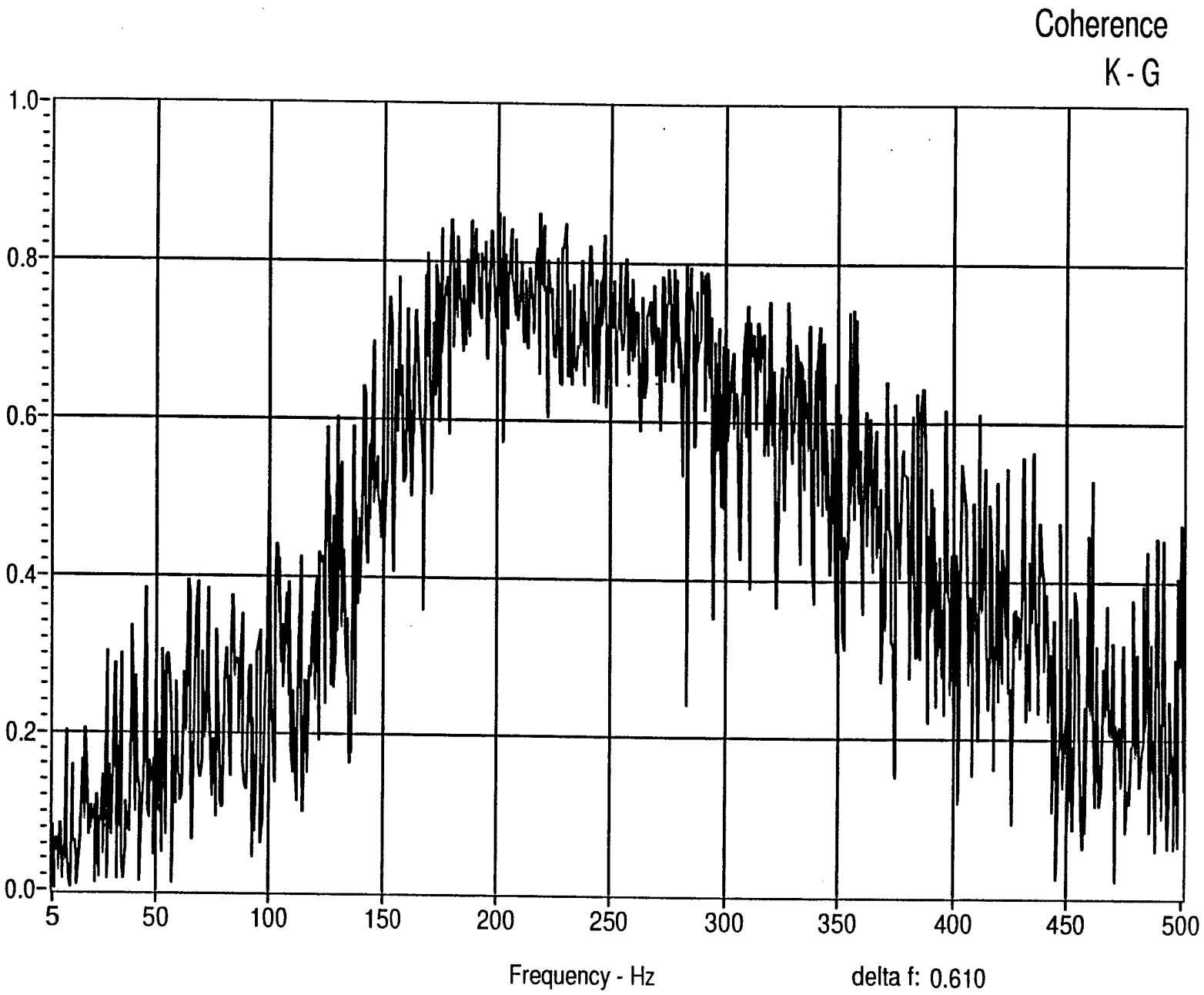
F-15 TPN_3369: alpha=8 beta=-4 bp=45



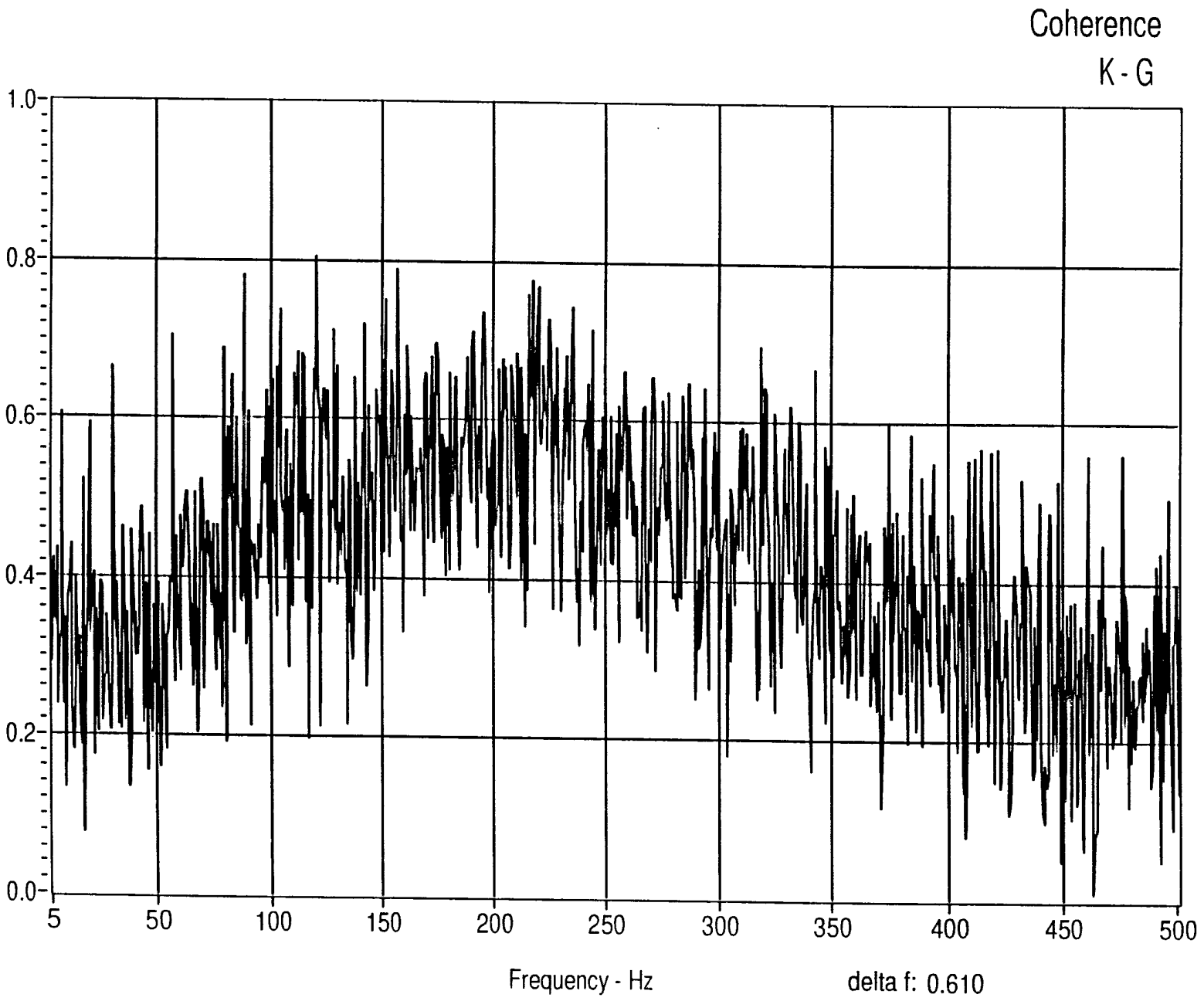
F-15 TPN_3375: alpha=20 beta=-4 bp=45



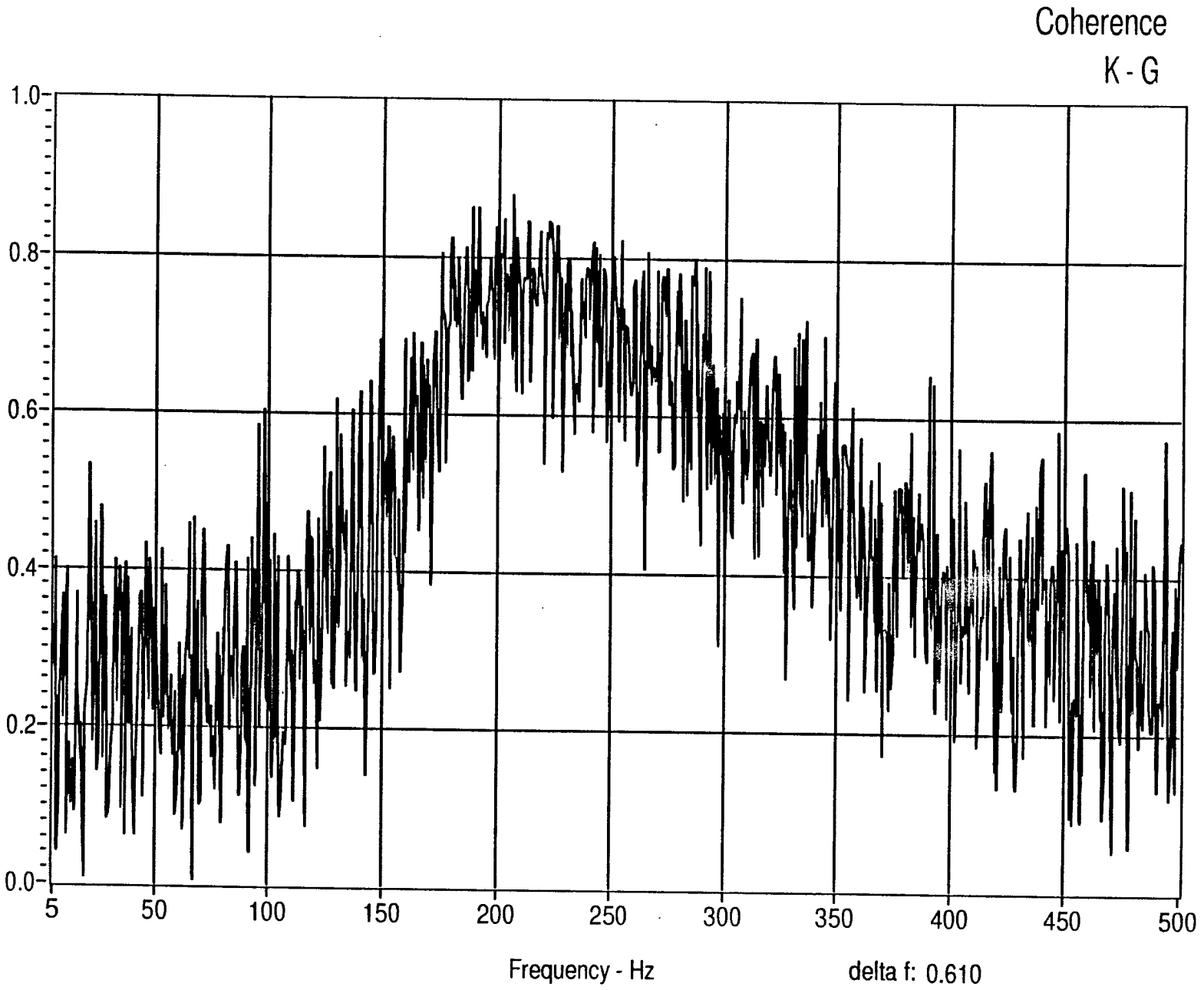
F-15 TPN_3377: alpha=24 beta=-4 bp=45



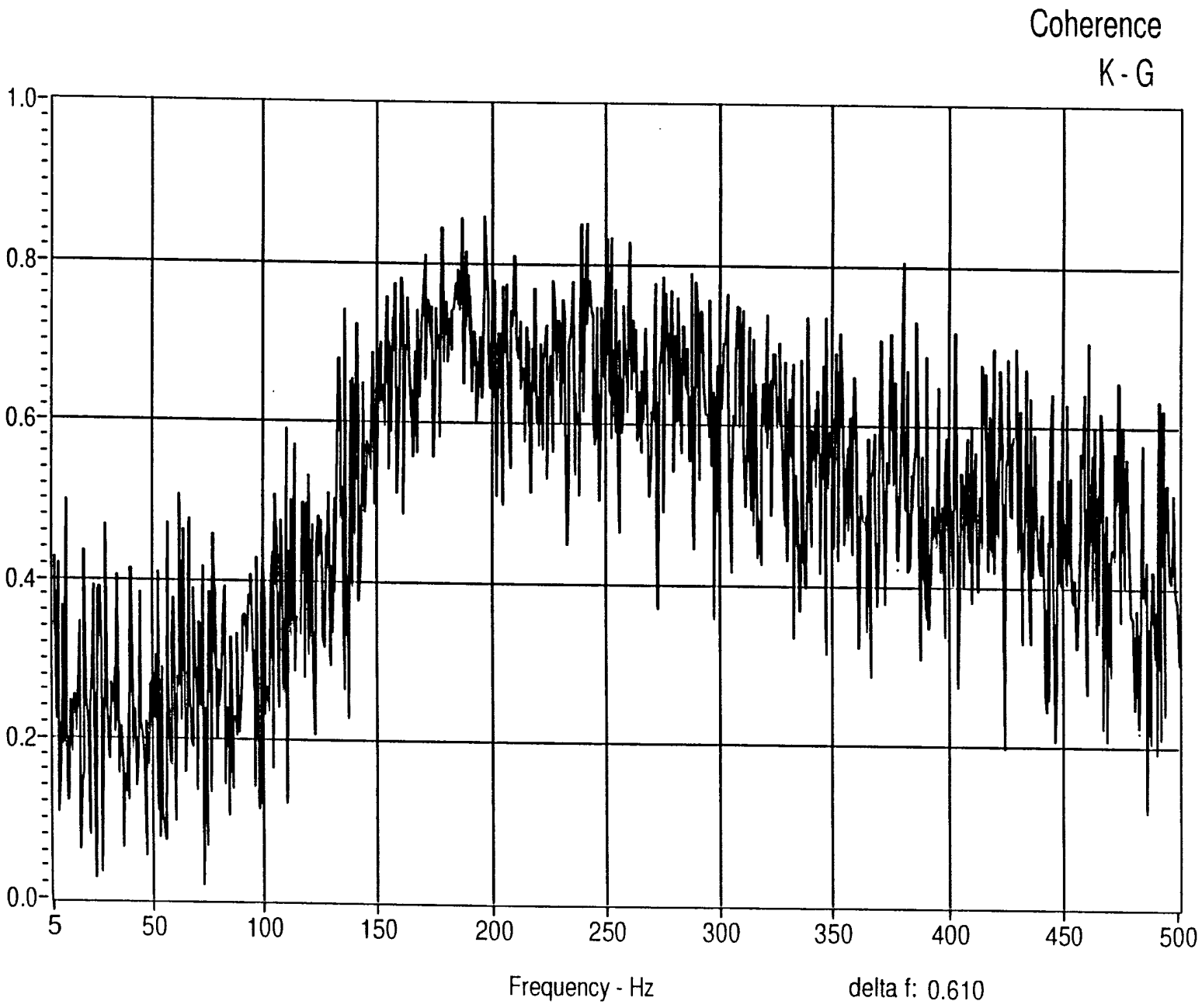
F-15 TPN_3379: alpha=32 beta=-4 bp=4



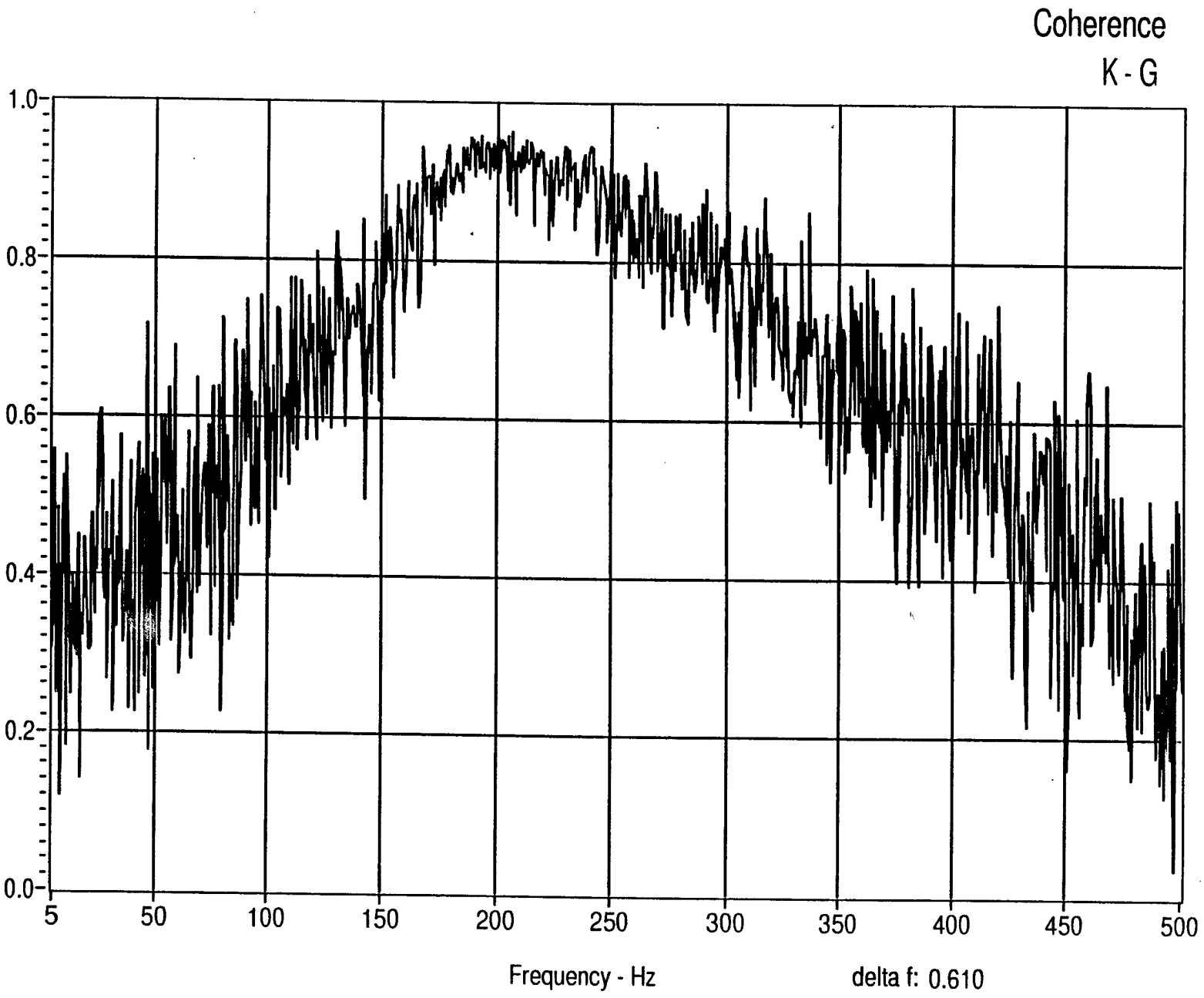
F-15 TPN_3046: alpha=20 beta=4 bp=65



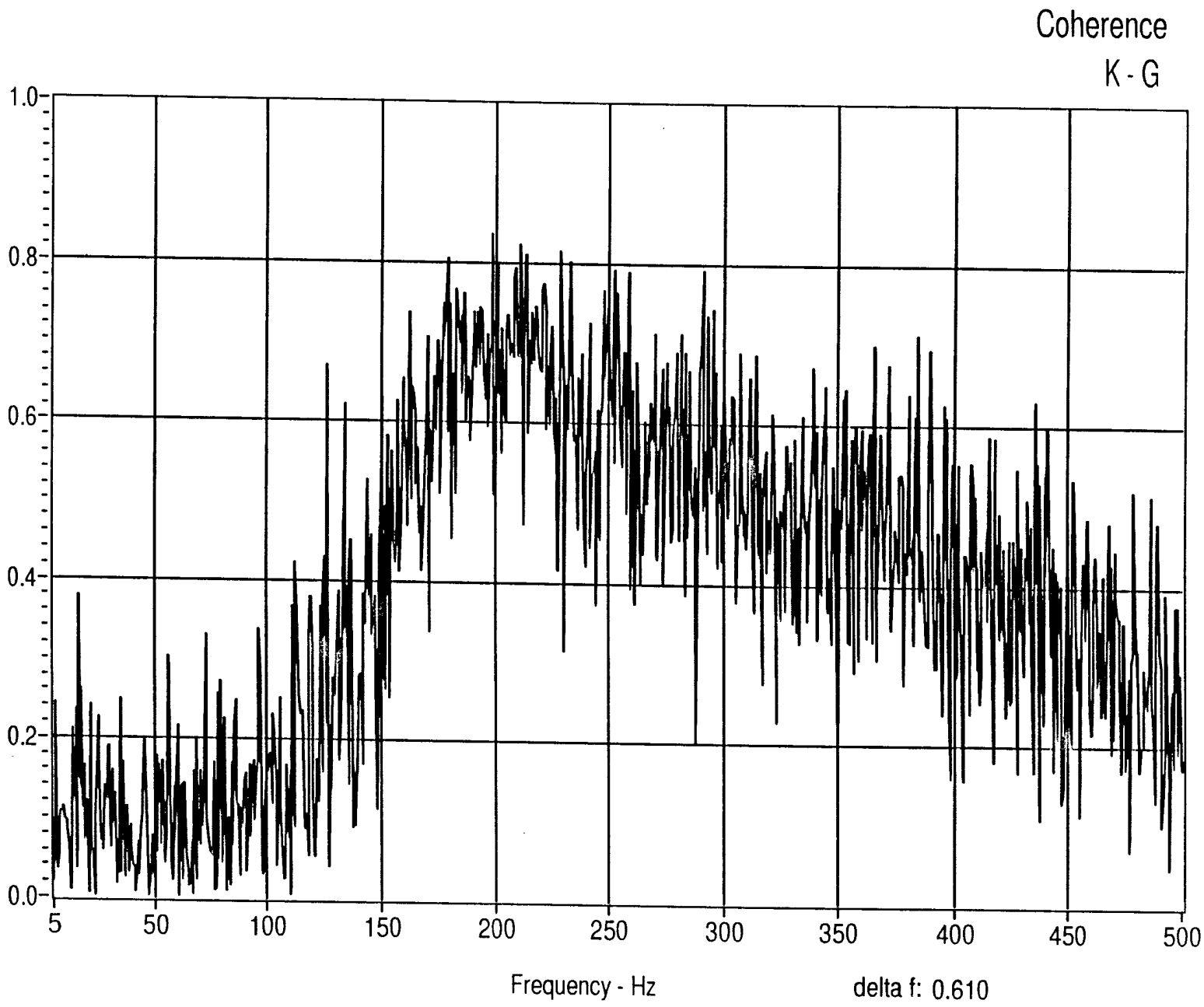
F-15 TPN_3048: alpha=24 beta=4 bp=65



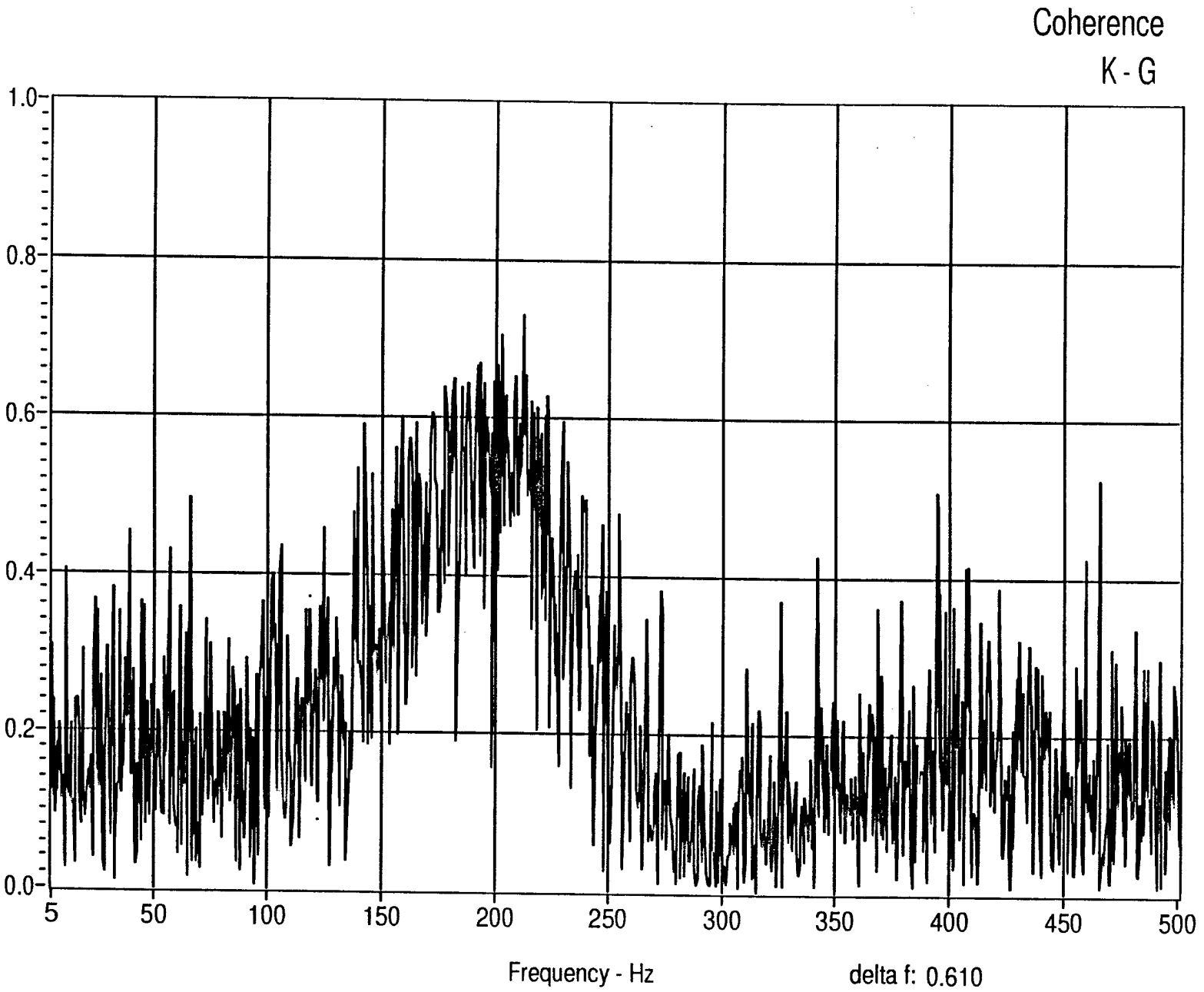
F-15 TPN_3040: alpha=20 beta=0 bp=65



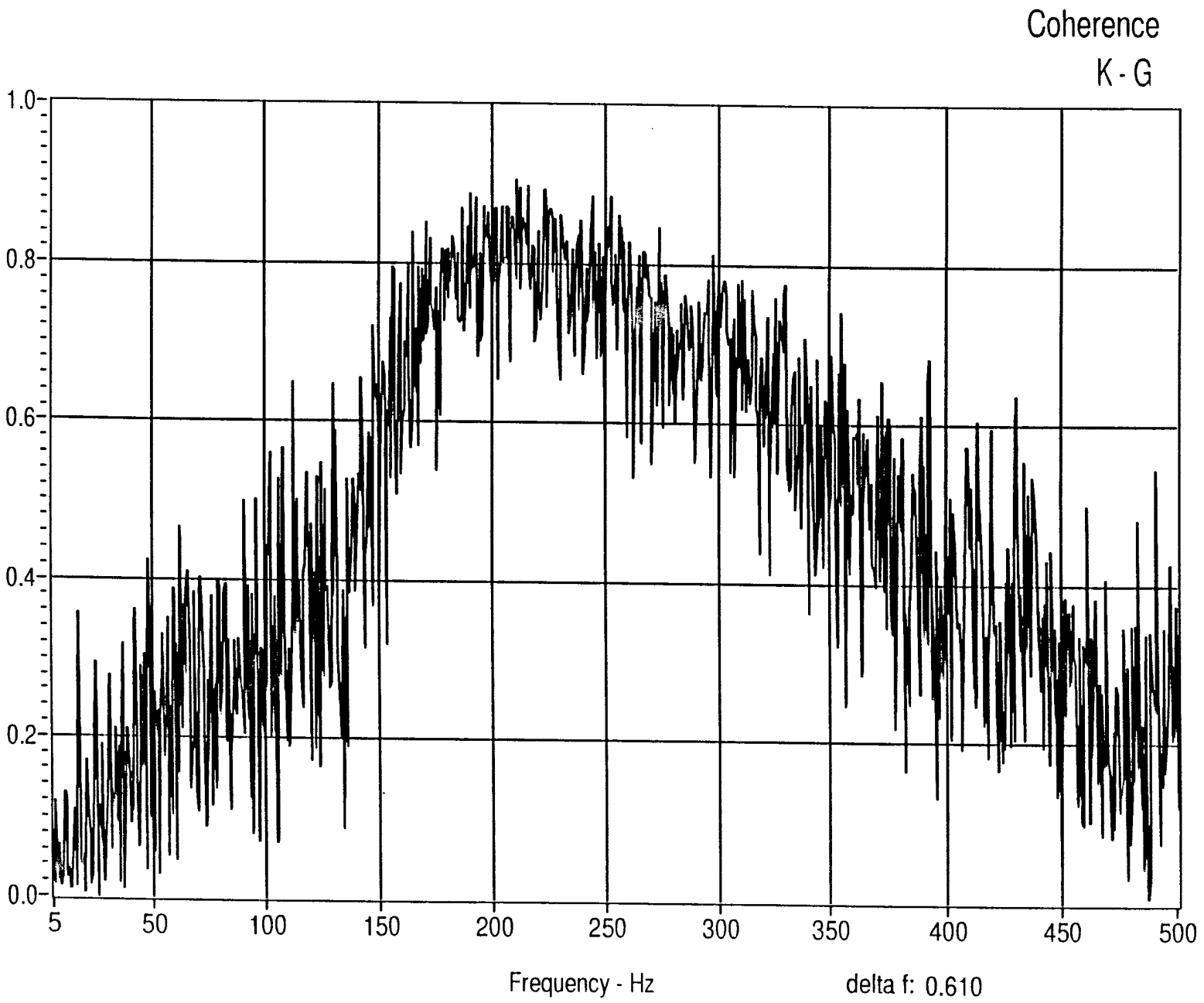
F-15 TPN_3042: alpha=24 beta=0 bp=65



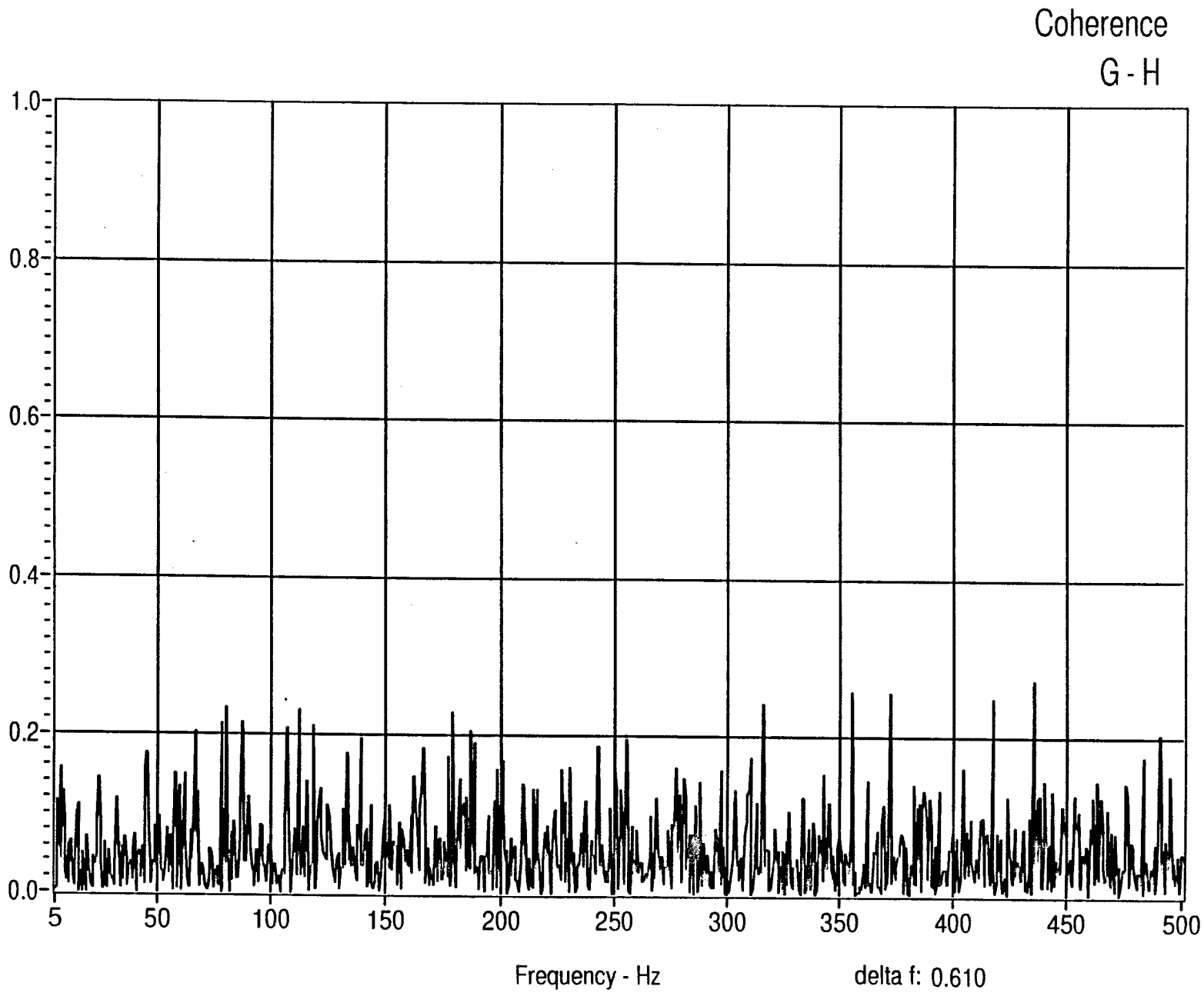
F-15 TPN_3034: alpha=20 beta=-4 bp=65



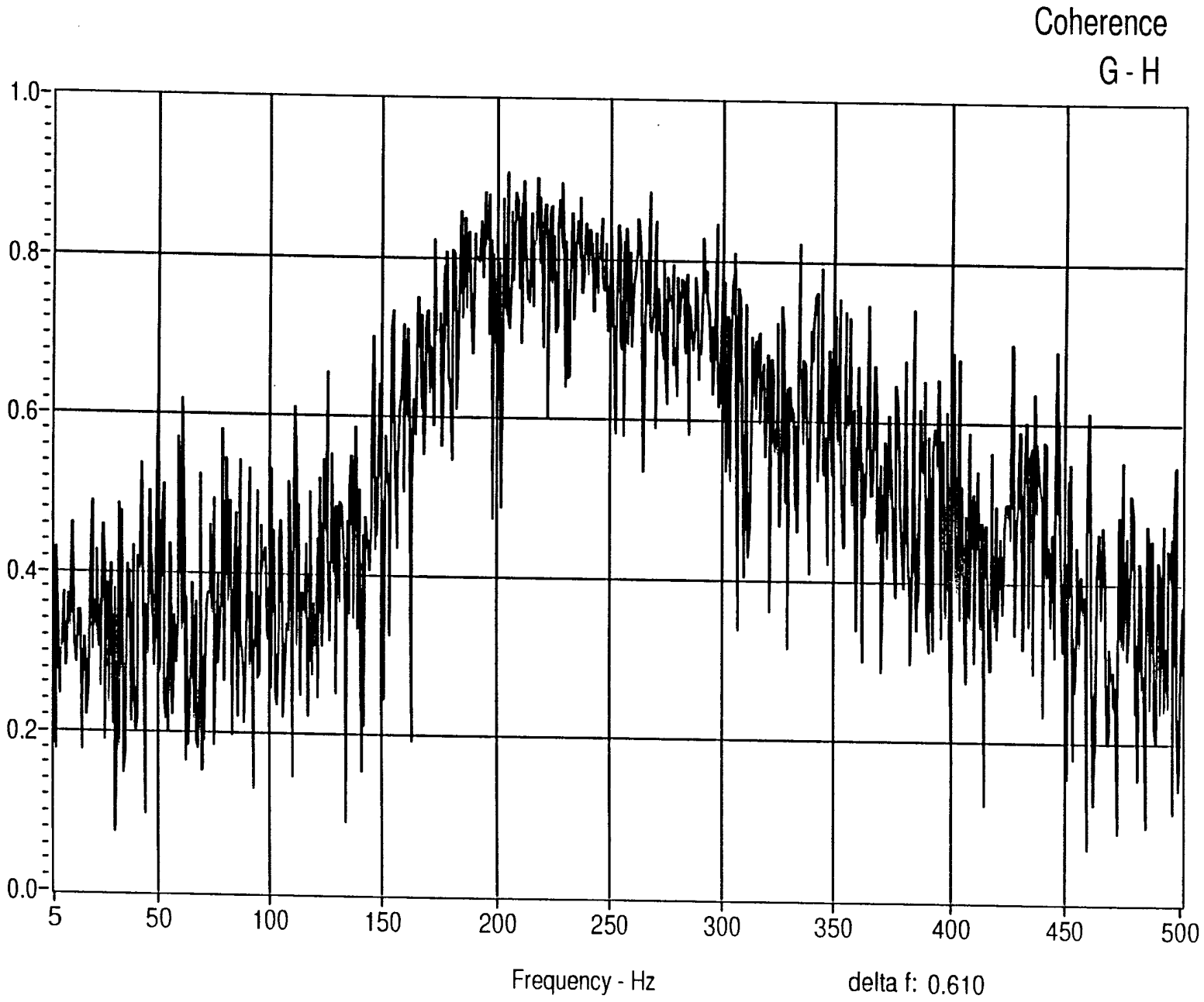
F-15 TPN_3036: alpha=24 beta=-4 bp=65



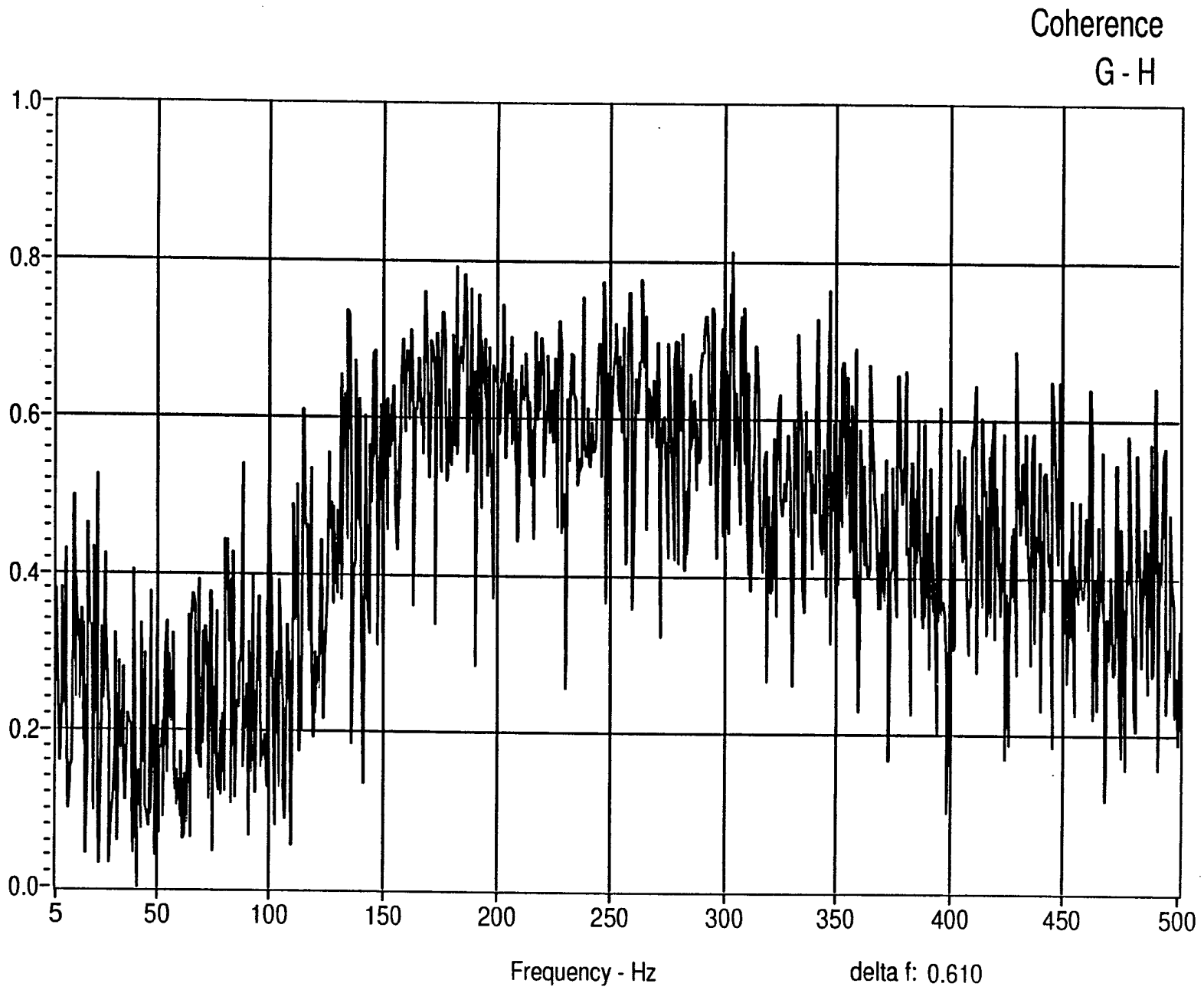
F-15 TPN_2918: alpha=8 beta=4 bp=0



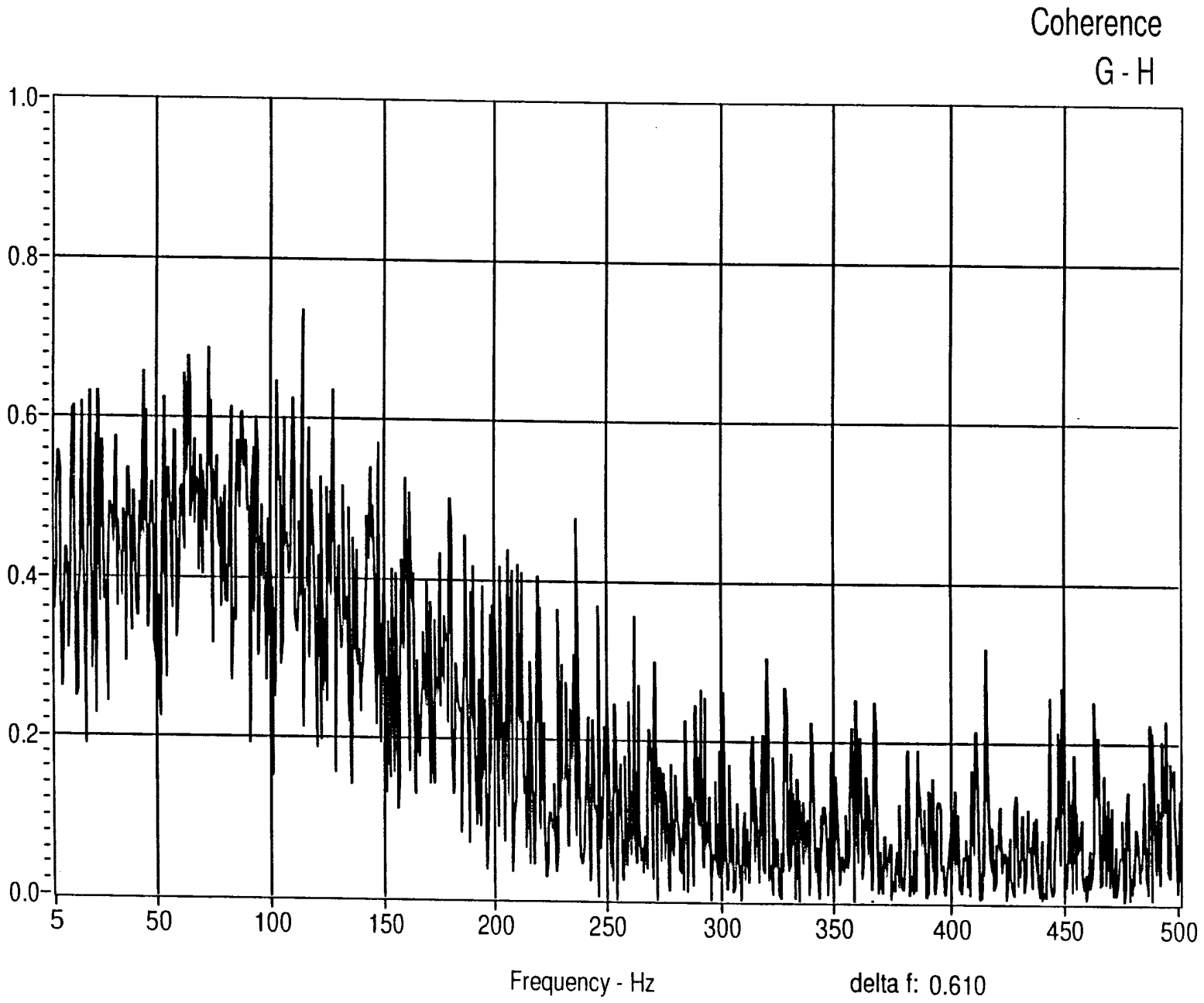
F-15 TPN_2924: alpha=20 beta=4 bp=0



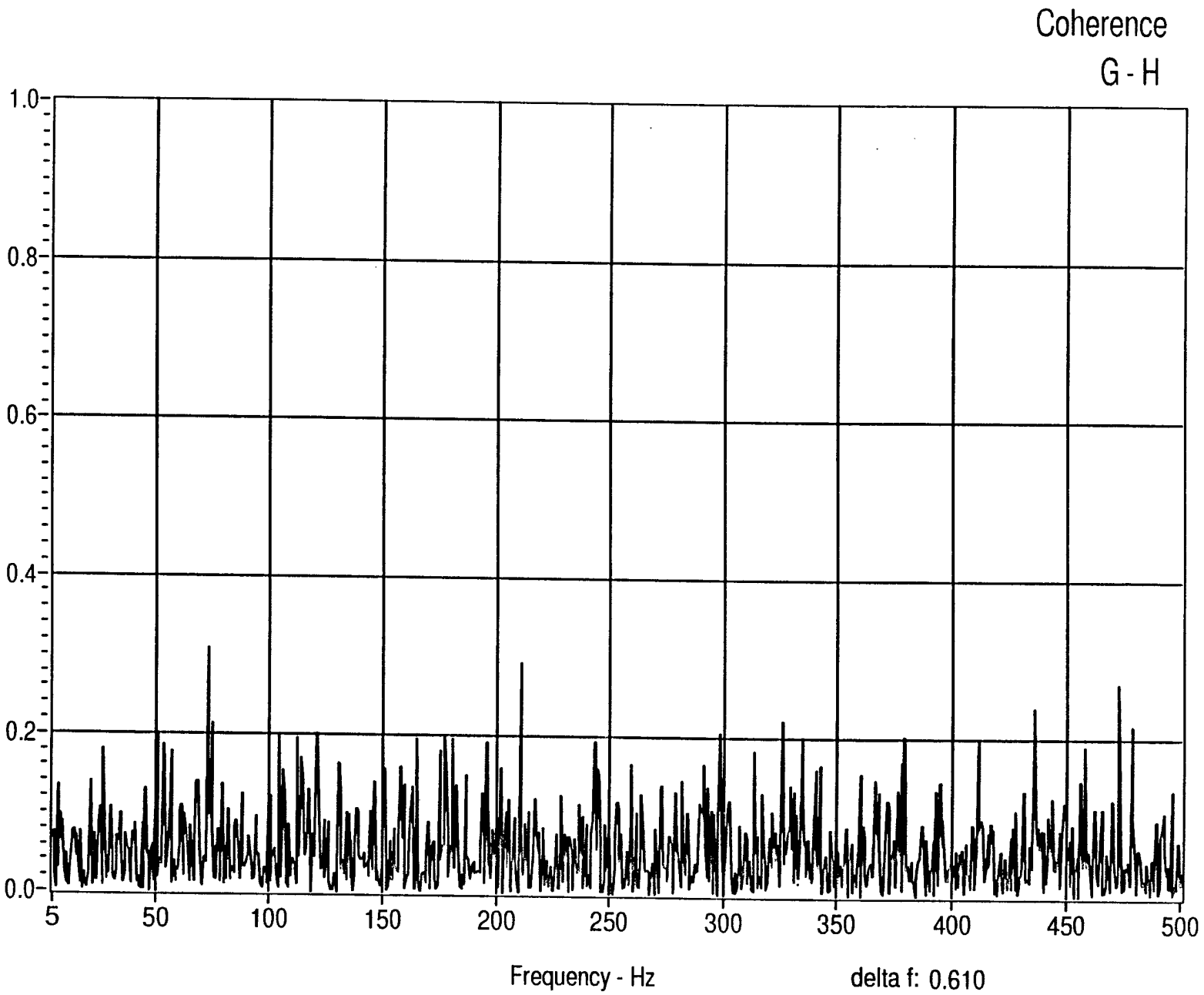
F-15 TPN_2926: alpha=24 beta=4 bp=0



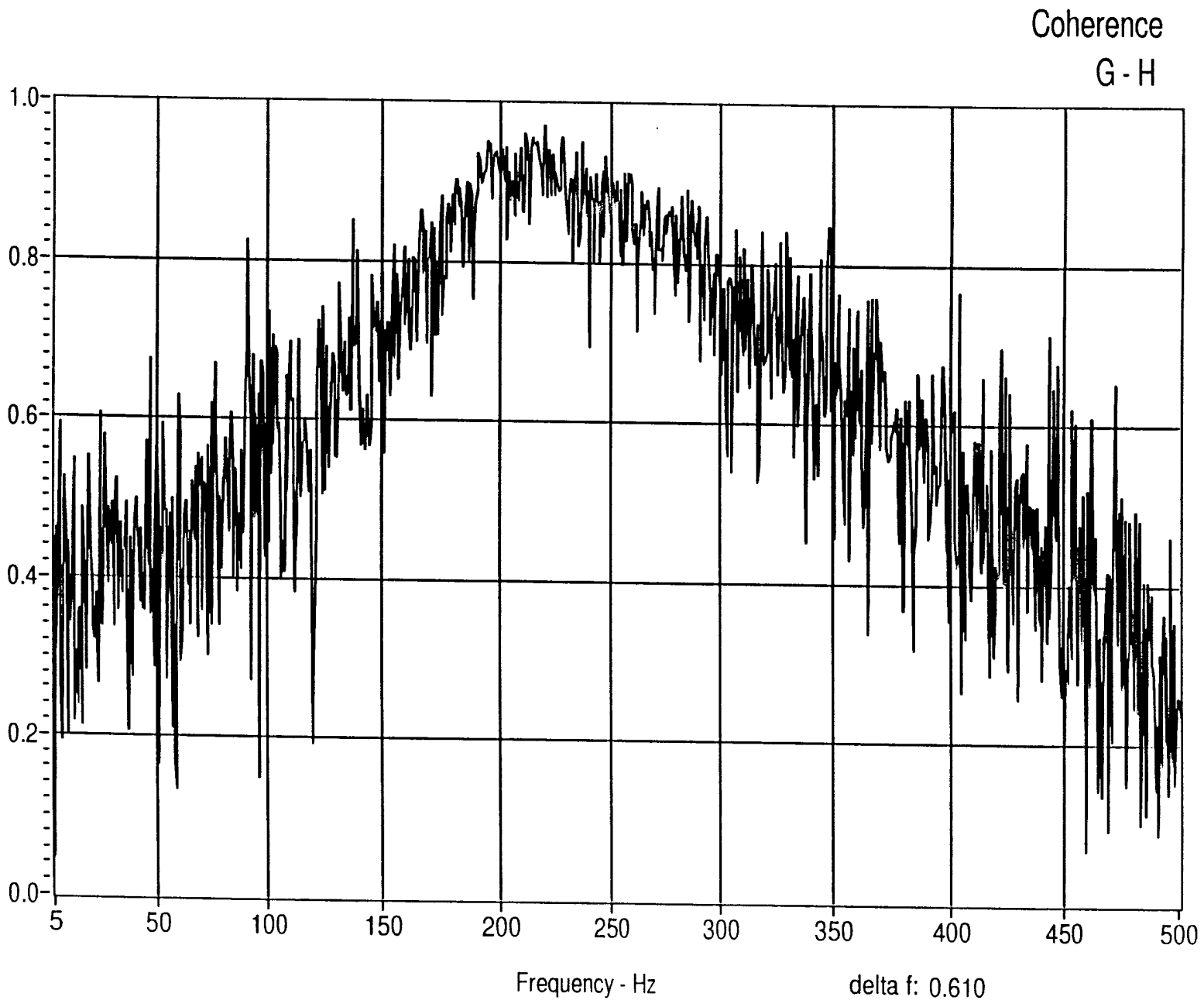
F-15 TPN_2928: alpha=32 beta=4 bp=0



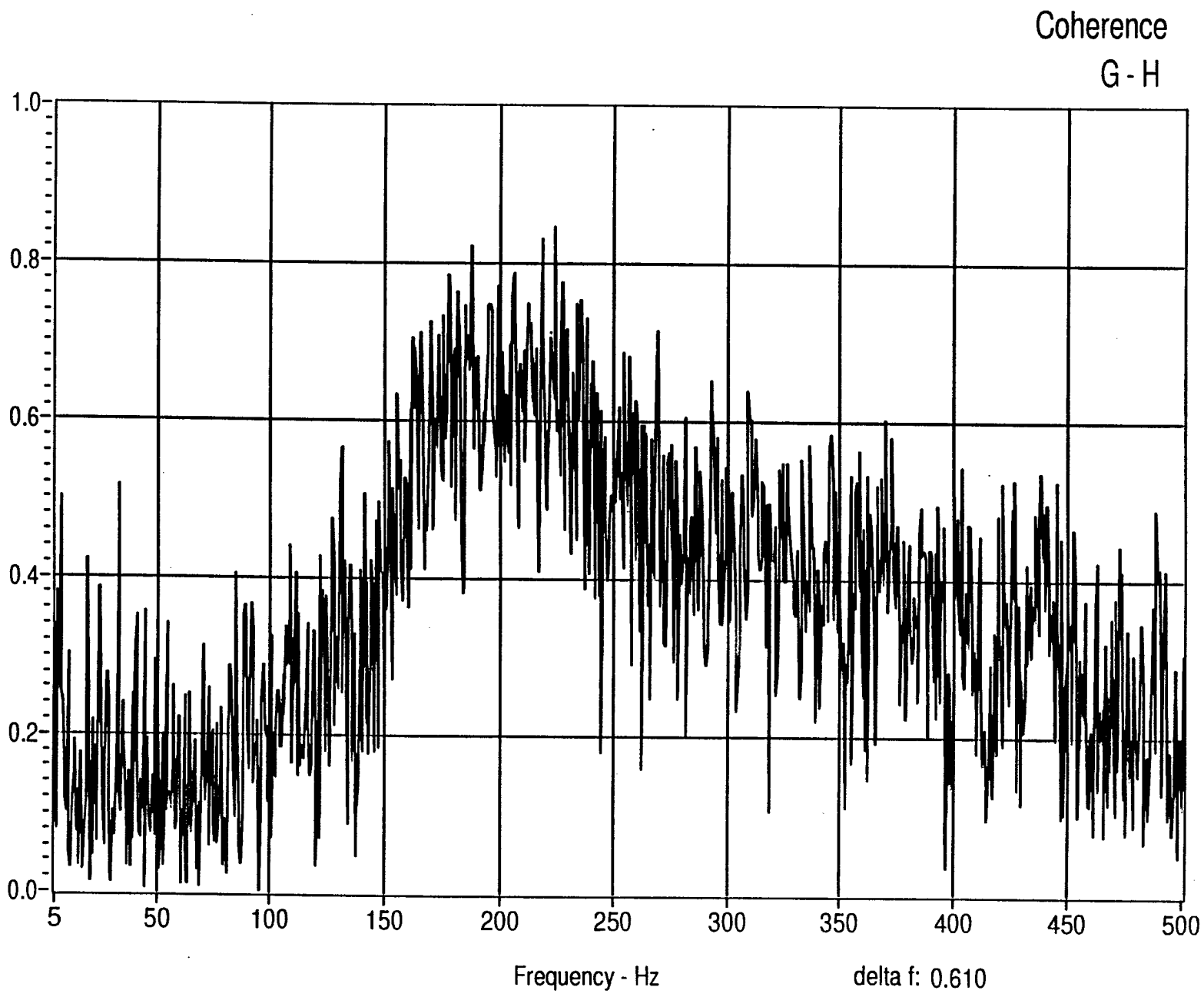
F-15 TPN_2844: alpha=8 beta=0 bp=0



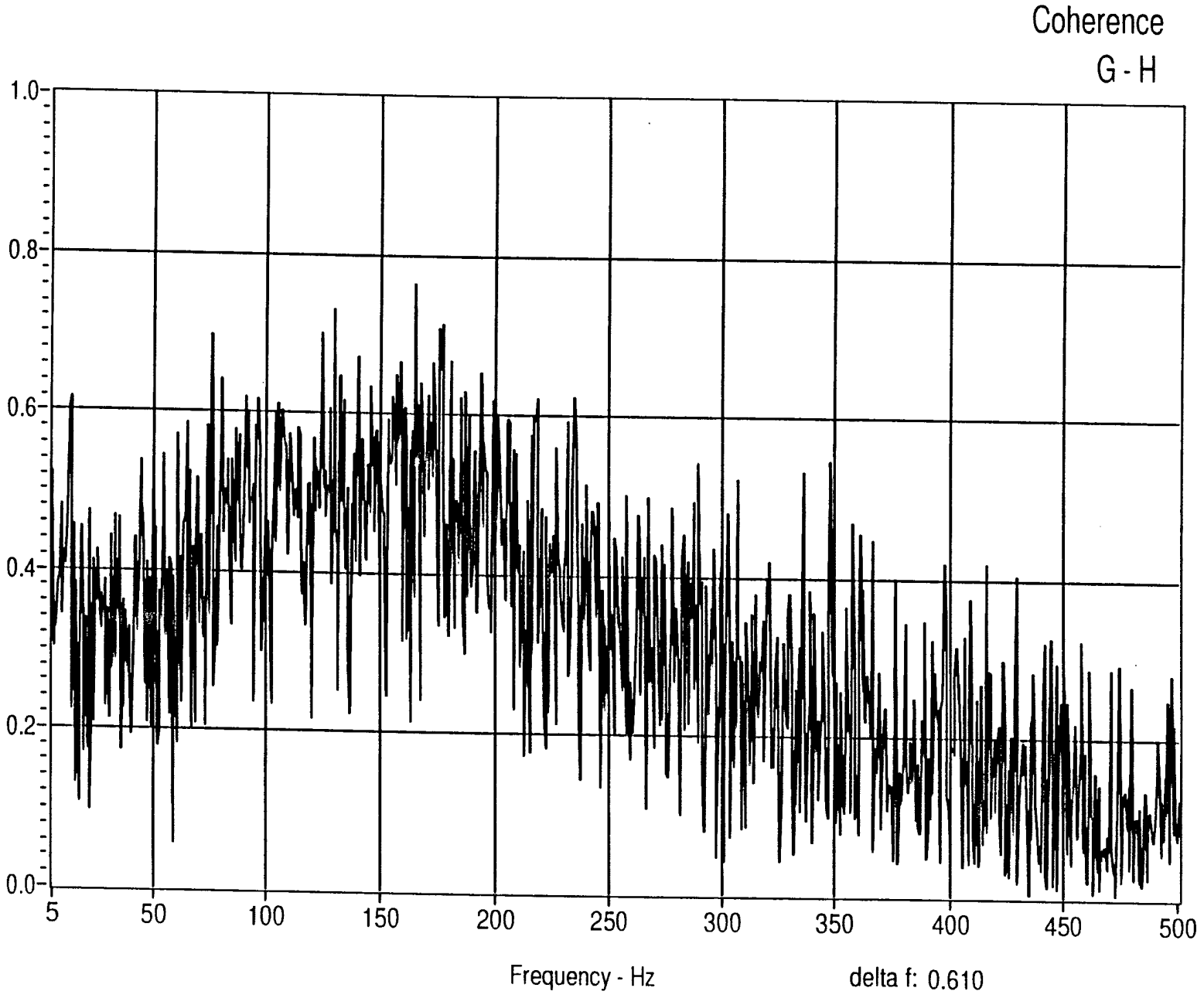
F-15 TPN_2850: alpha=20 beta=0 bp=0



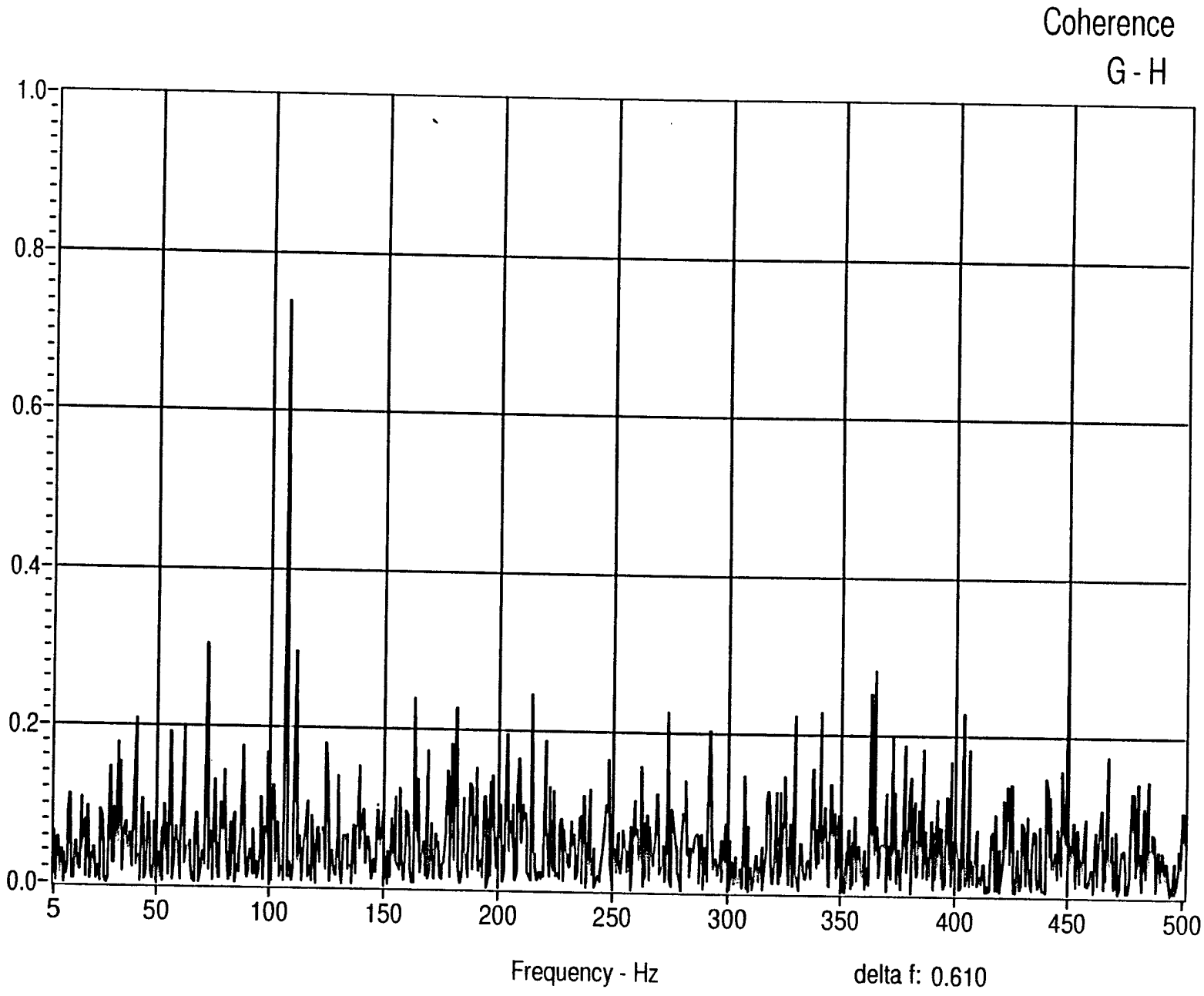
F-15 TPN_2852: alpha=24 beta=0 bp=0



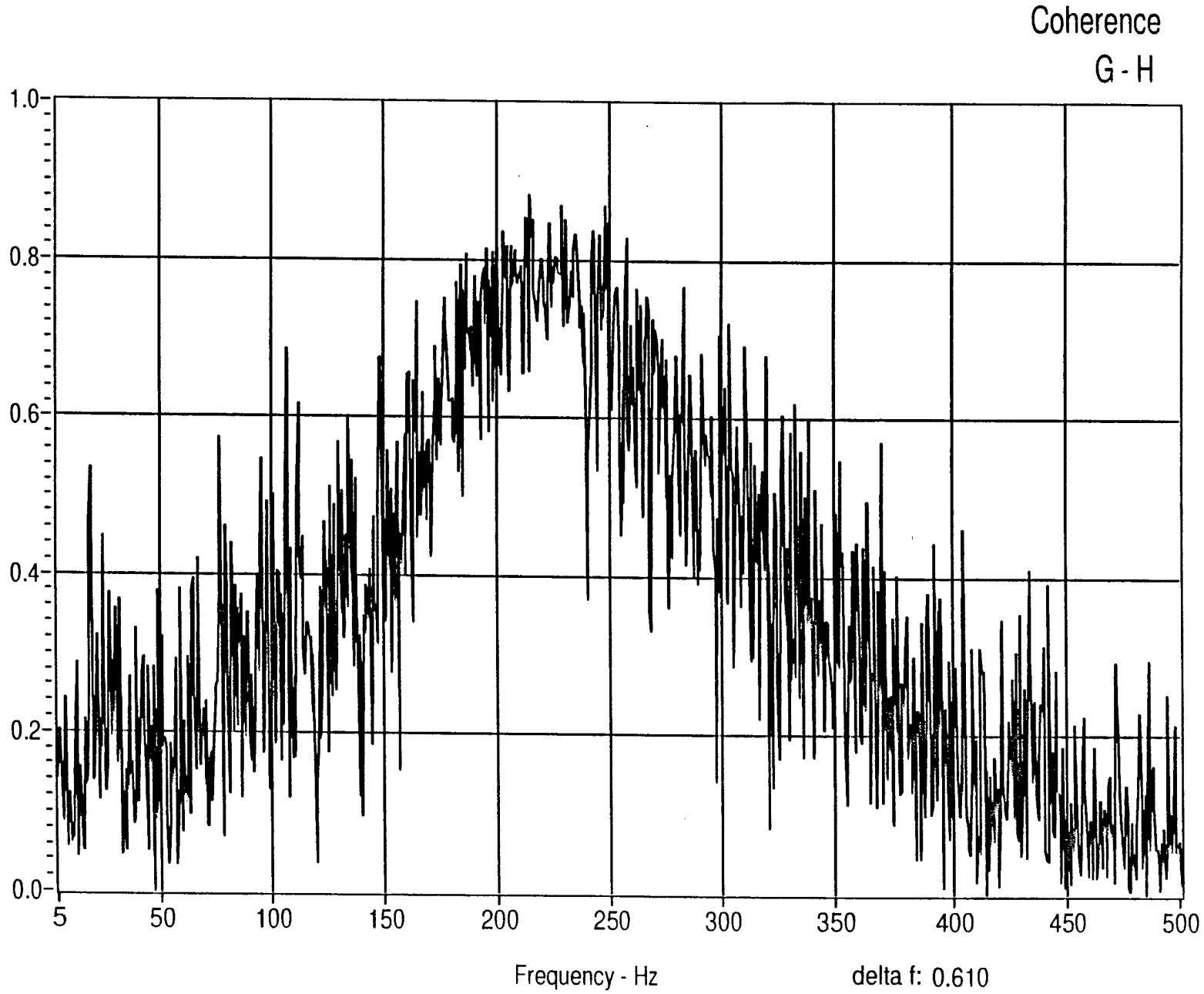
F-15 TPN_2854: alpha=32 beta=0 bp=0



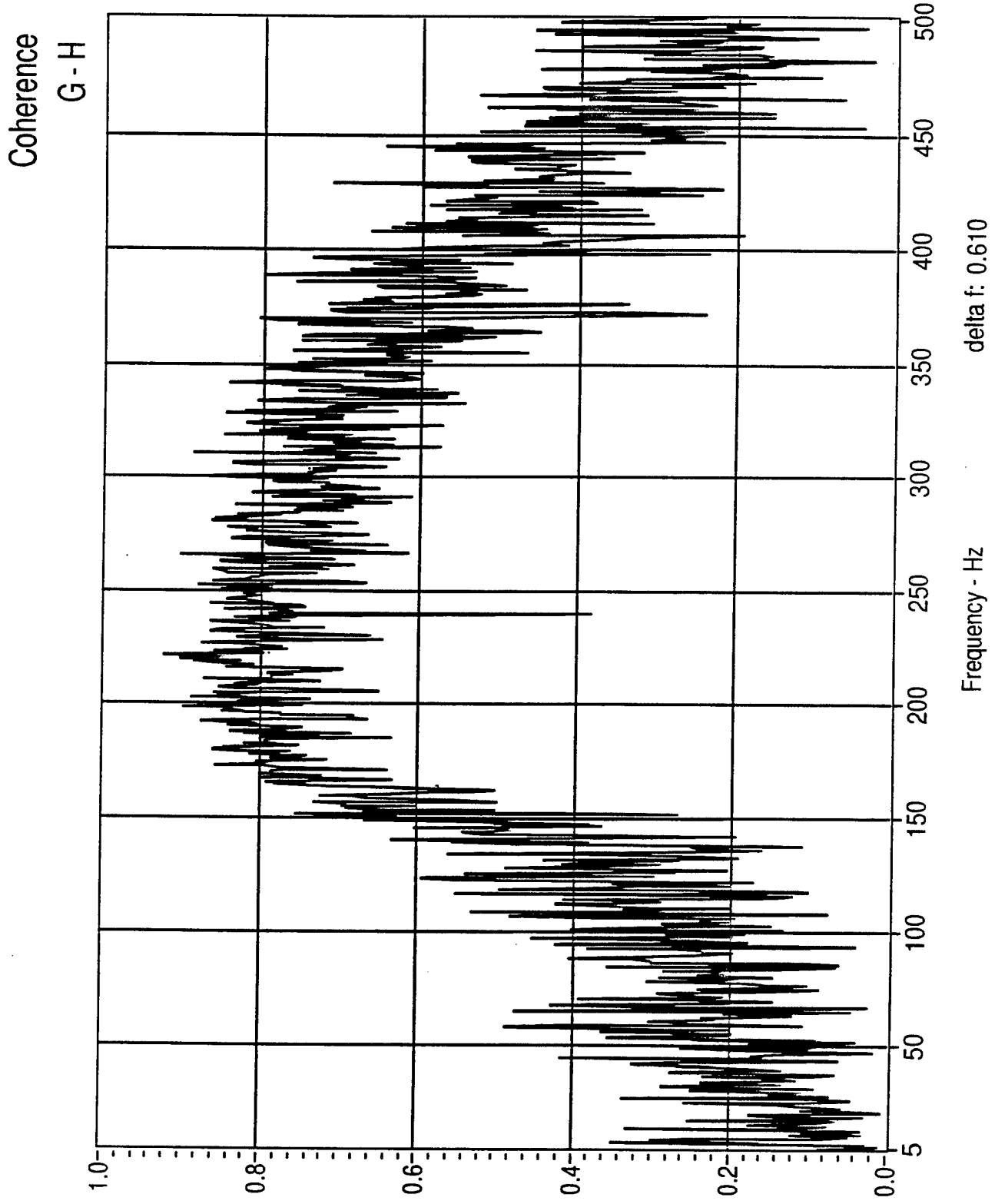
F-15 TPN_2864: alpha=8 beta=-4 bp=0



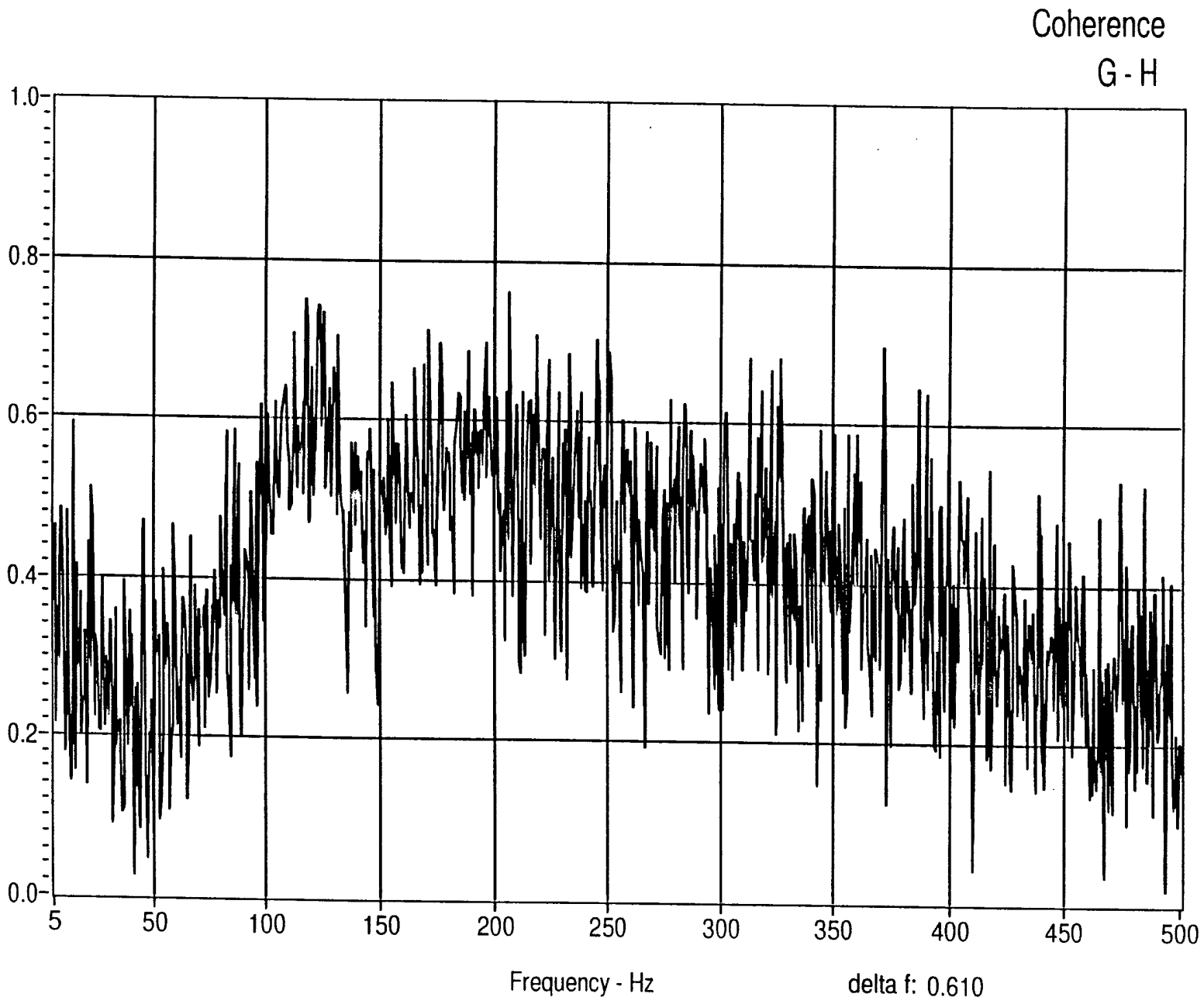
F-15 TPN_2870: alpha=20 beta=-4 bp=0



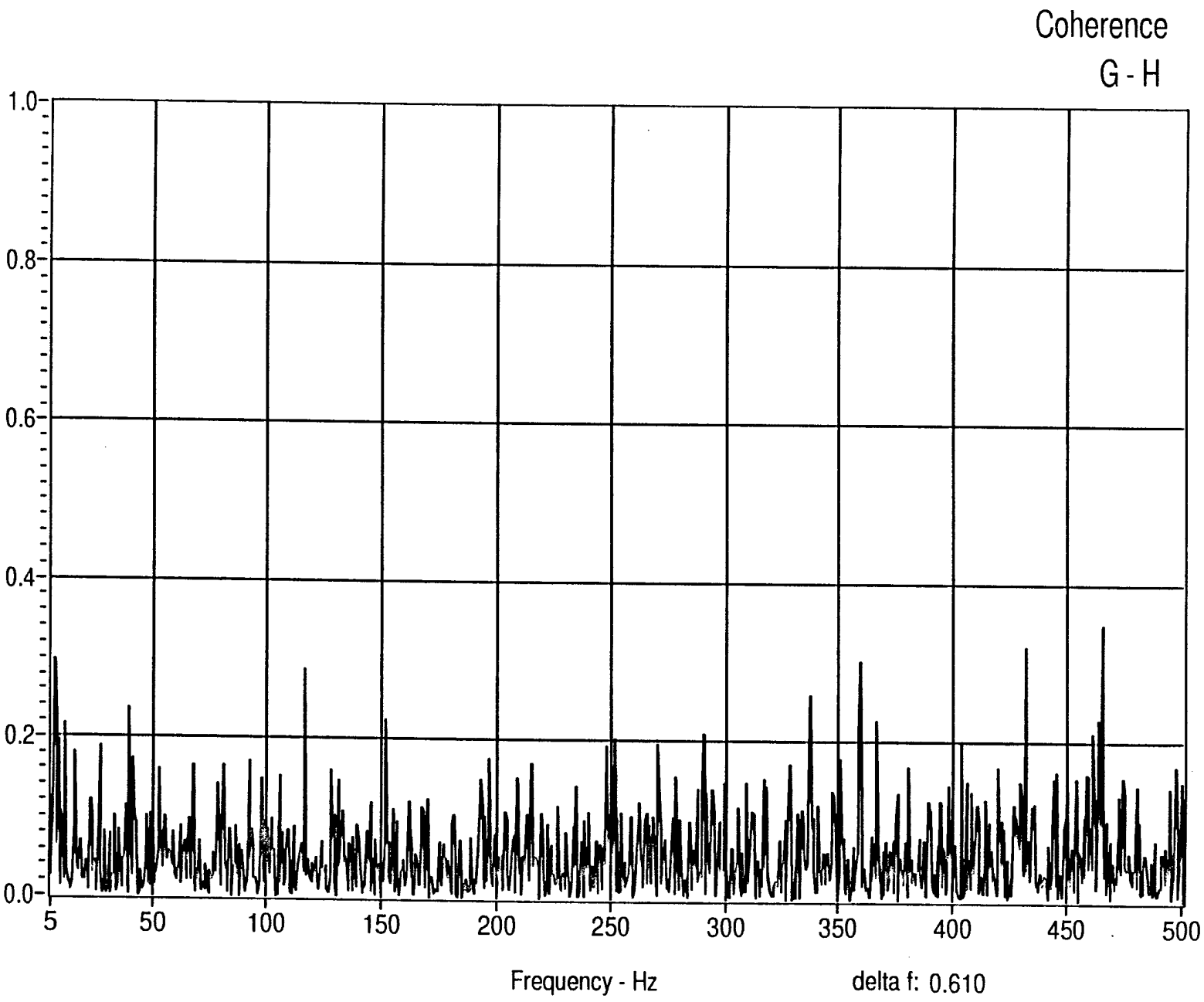
F-15 TPN_2872: alpha=24 beta=-4 bp=0



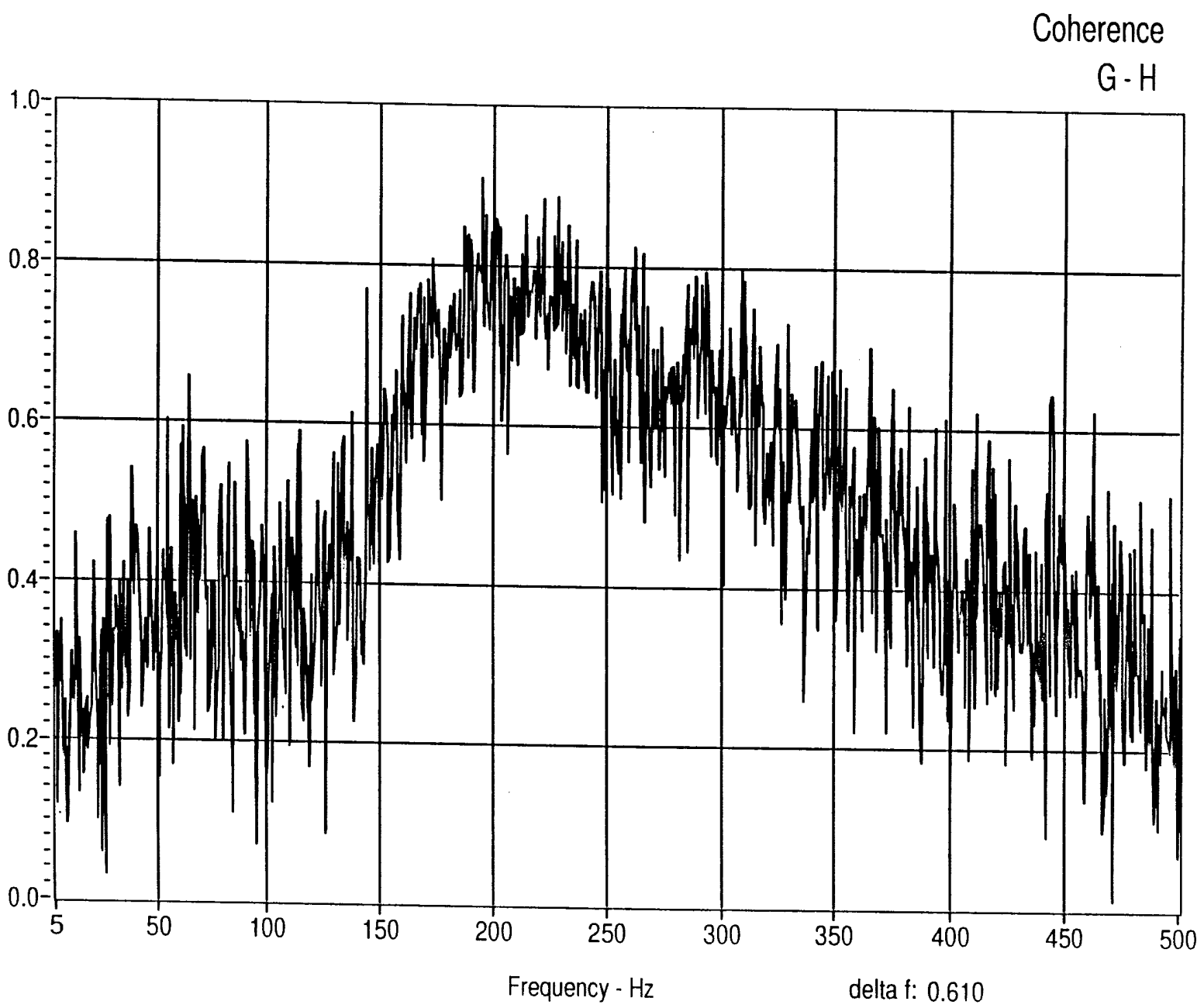
F-15 TPN_2874: alpha=32 beta=-4 bp=0



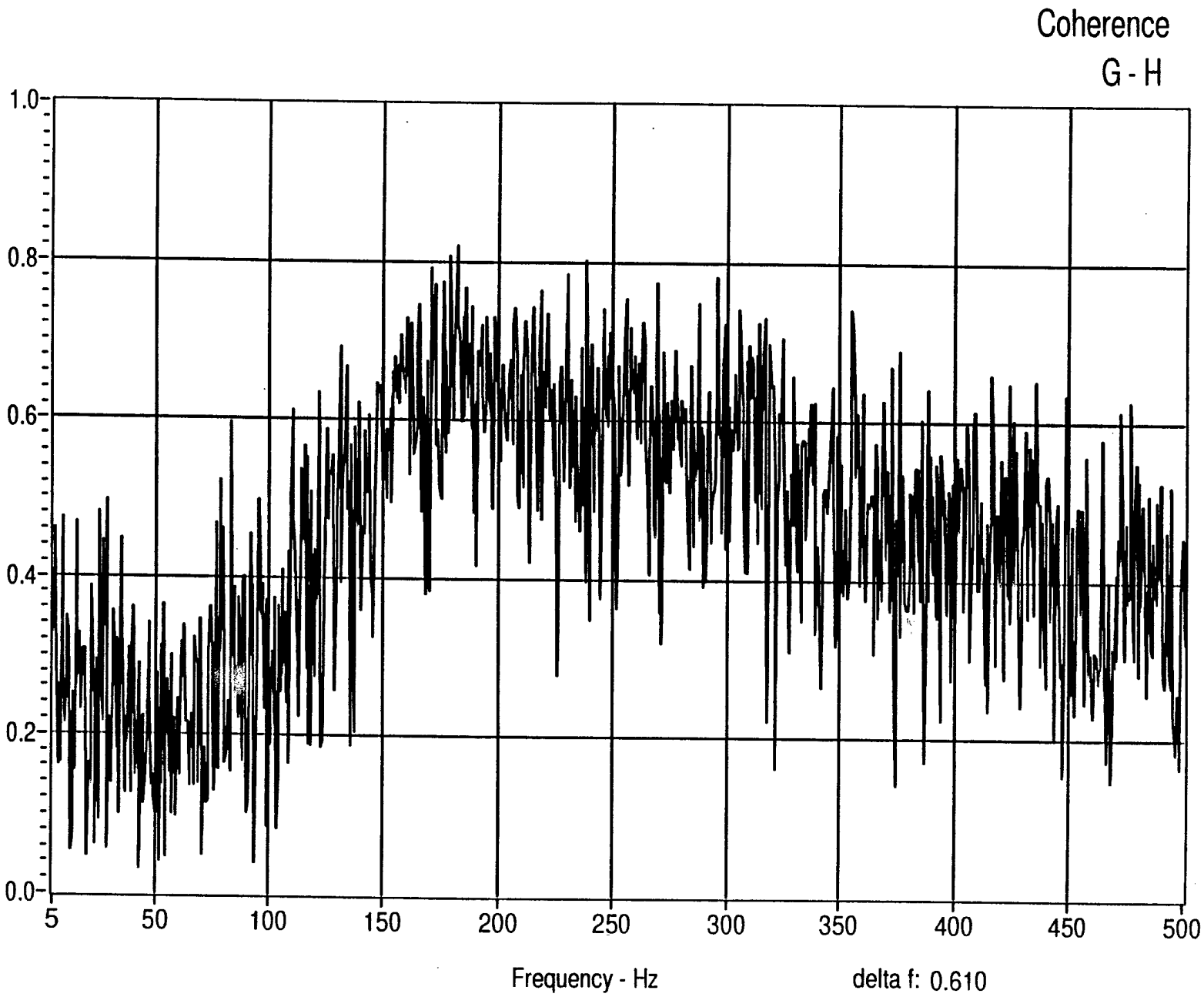
F-15 TPN_3351: alpha=8 beta=4 bp=45



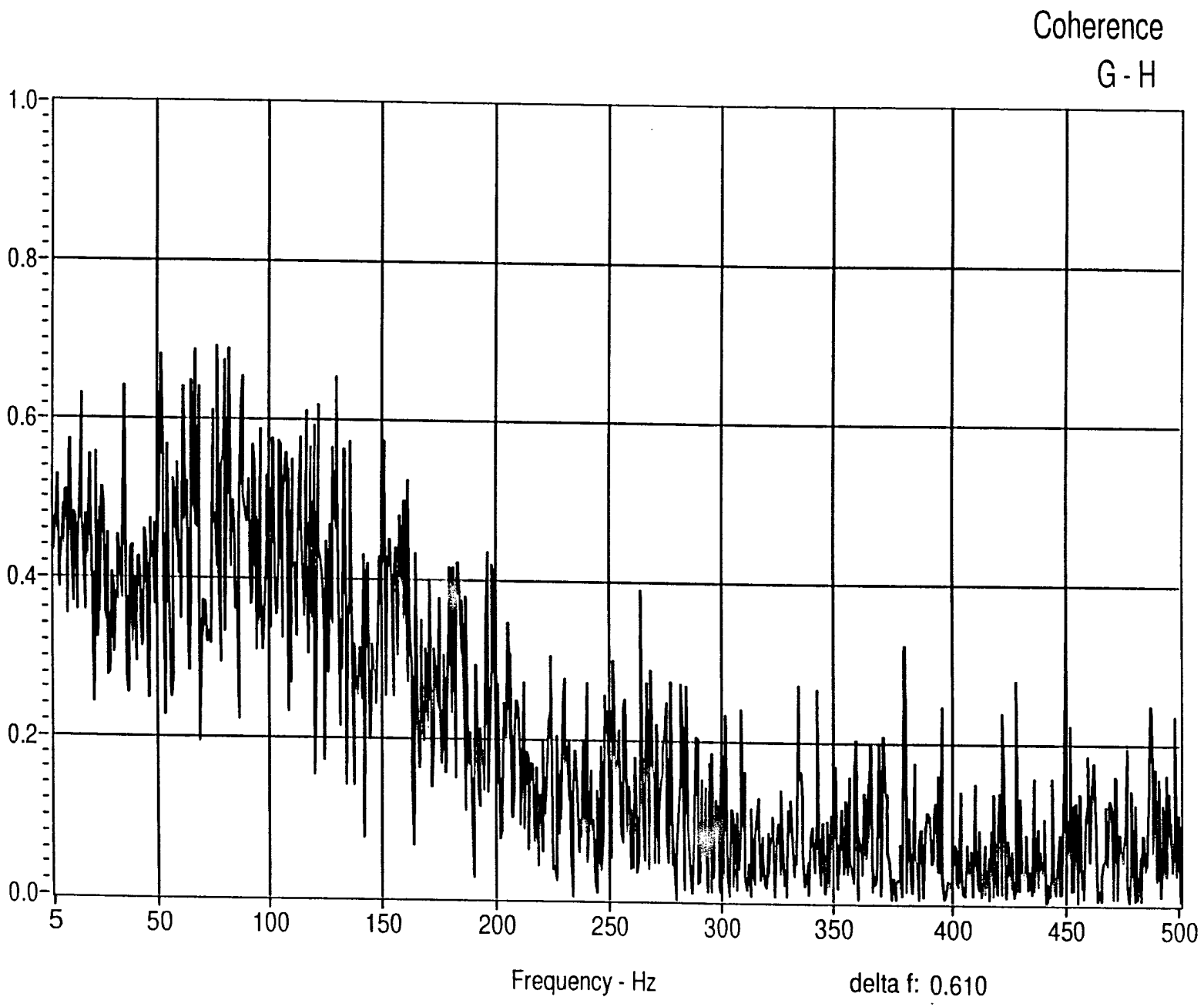
F-15 TPN_3357: alpha=20 beta=4 bp=45



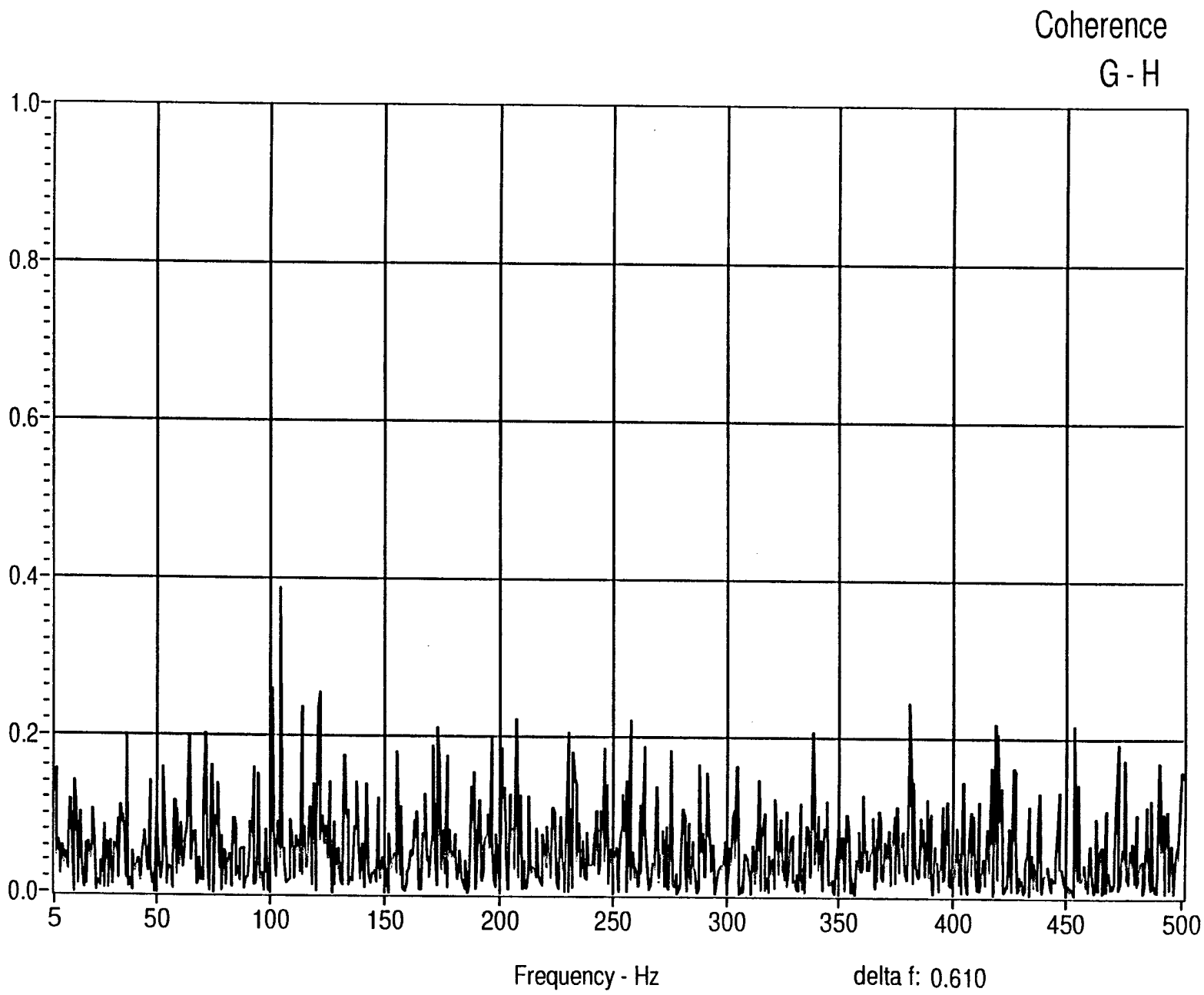
F-15 TPN_3359: alpha=24 beta=4 bp=45



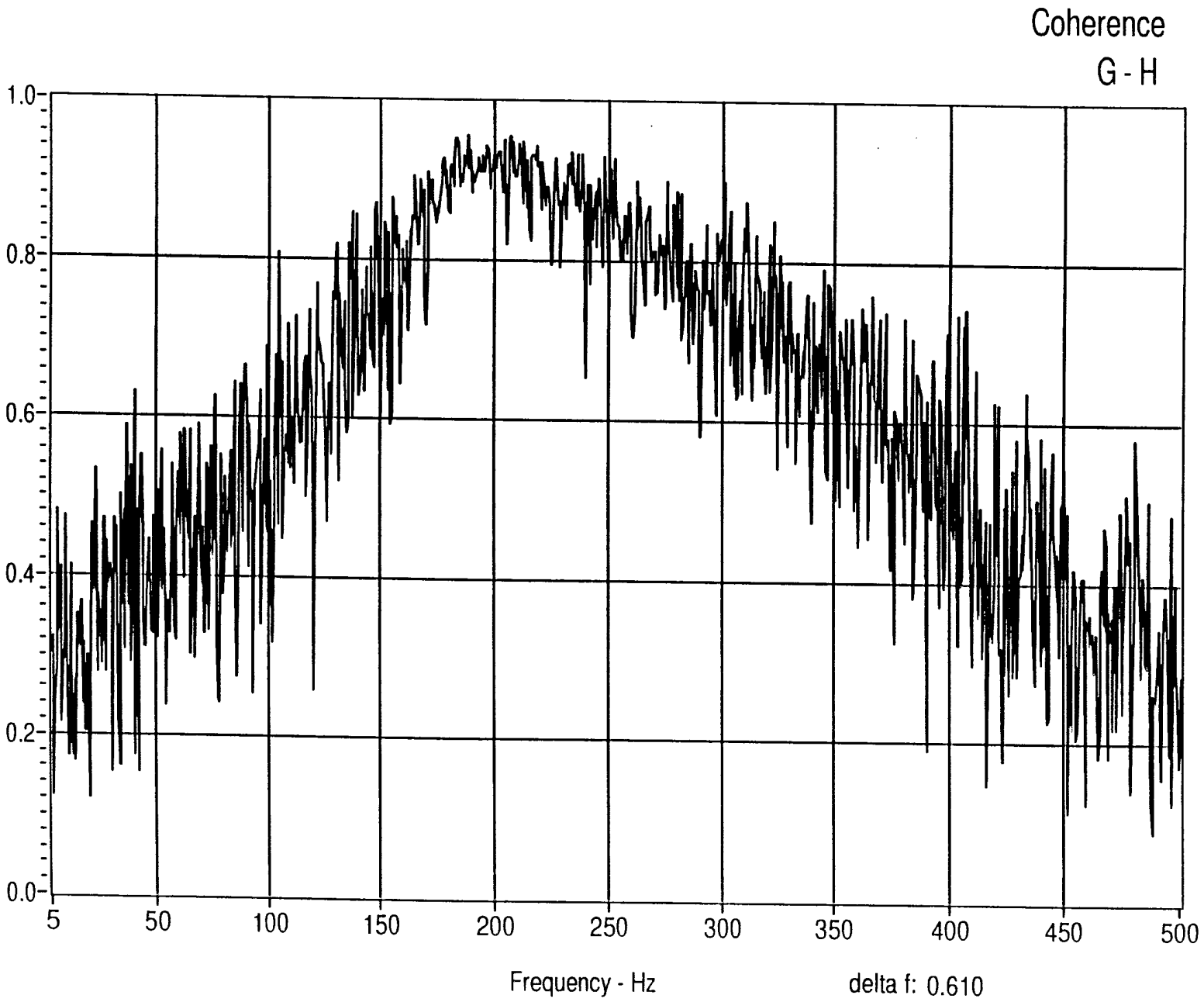
F-15 TPN_3361: alpha=32 beta=4 bp=45



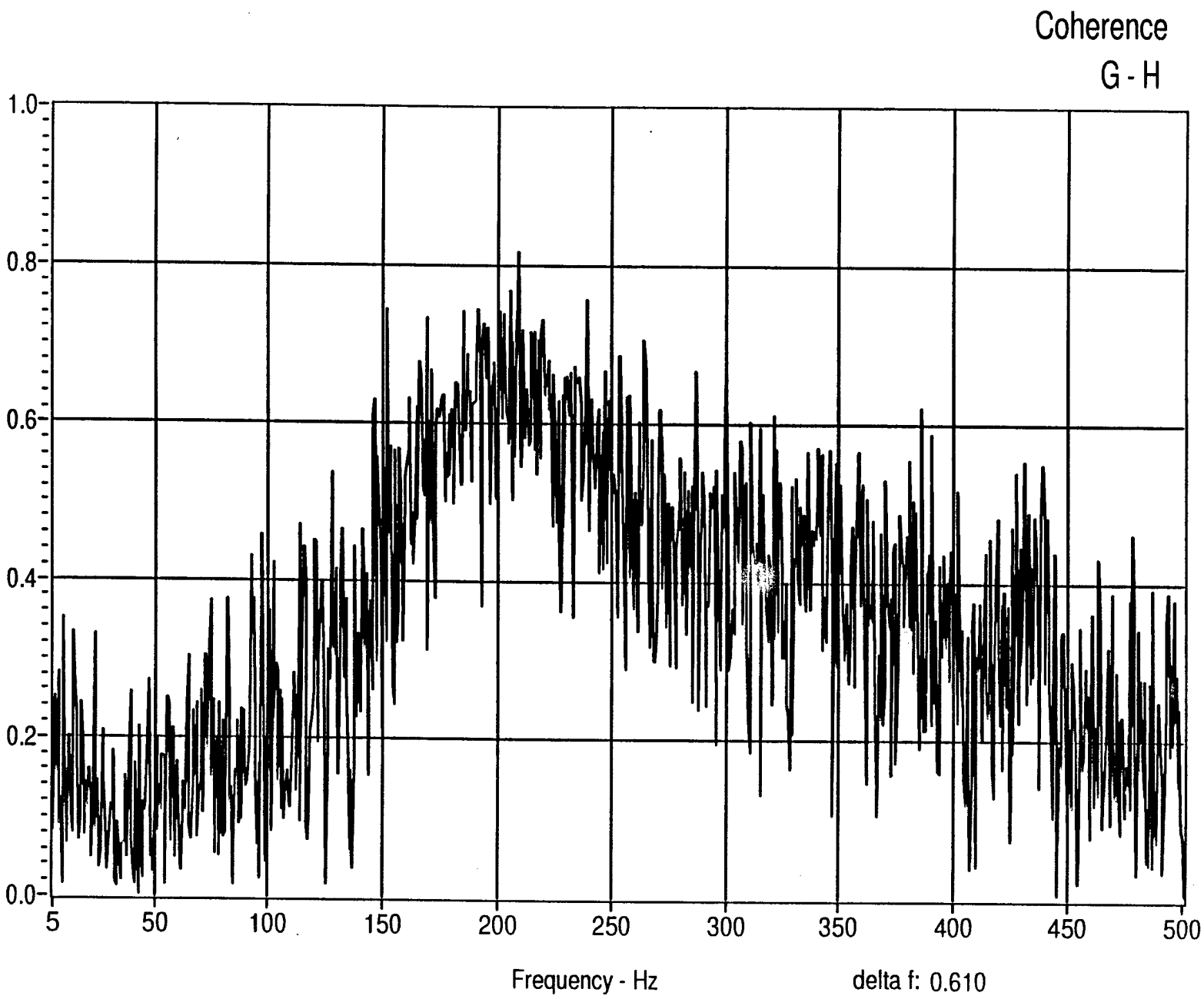
F-15 TPN_3333: alpha=8 beta=0 bp=45



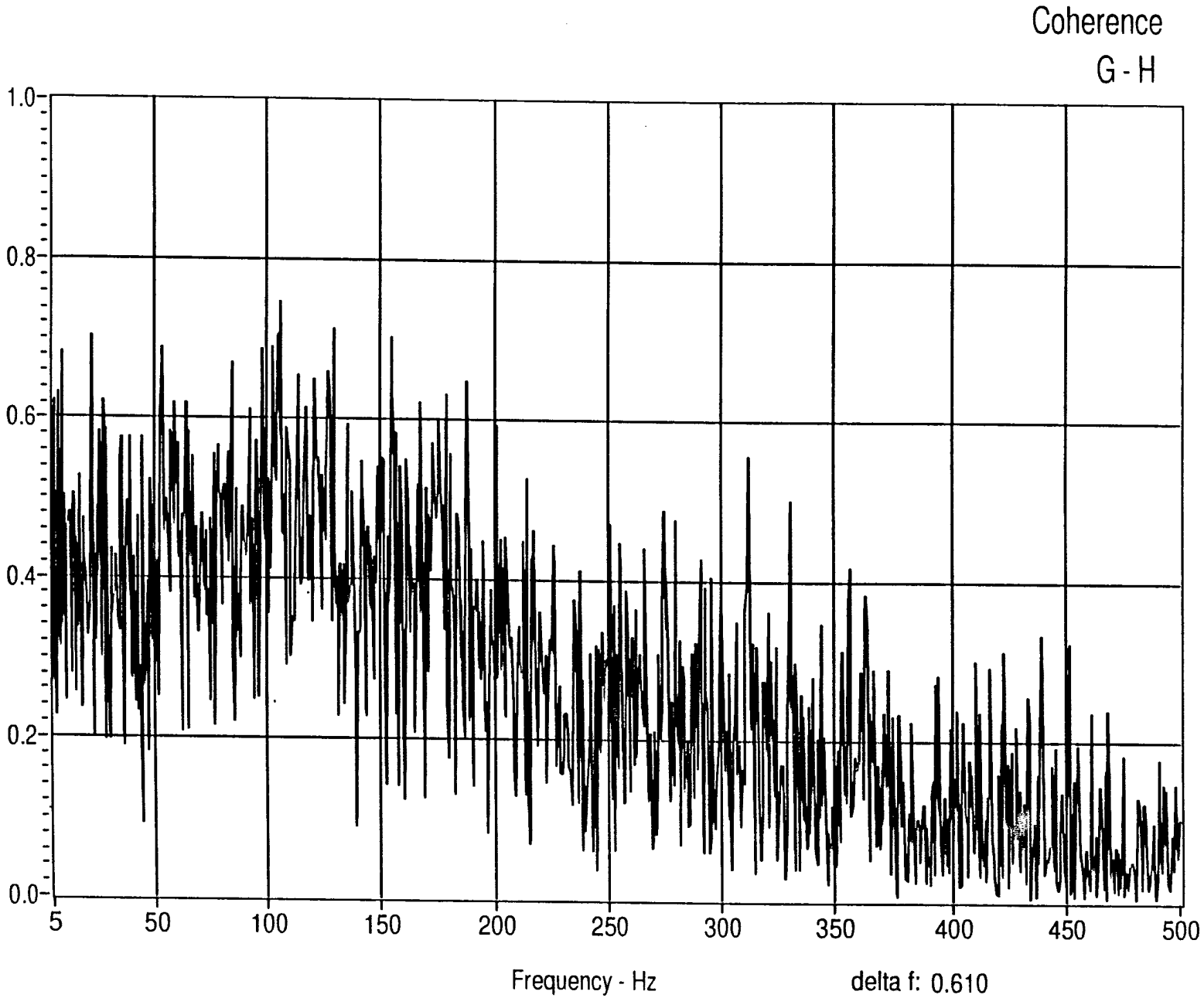
F-15 TPN_3339: alpha=20 beta=0 bp=45



F-15 TPN_3341: alpha=24 beta=0 bp=45

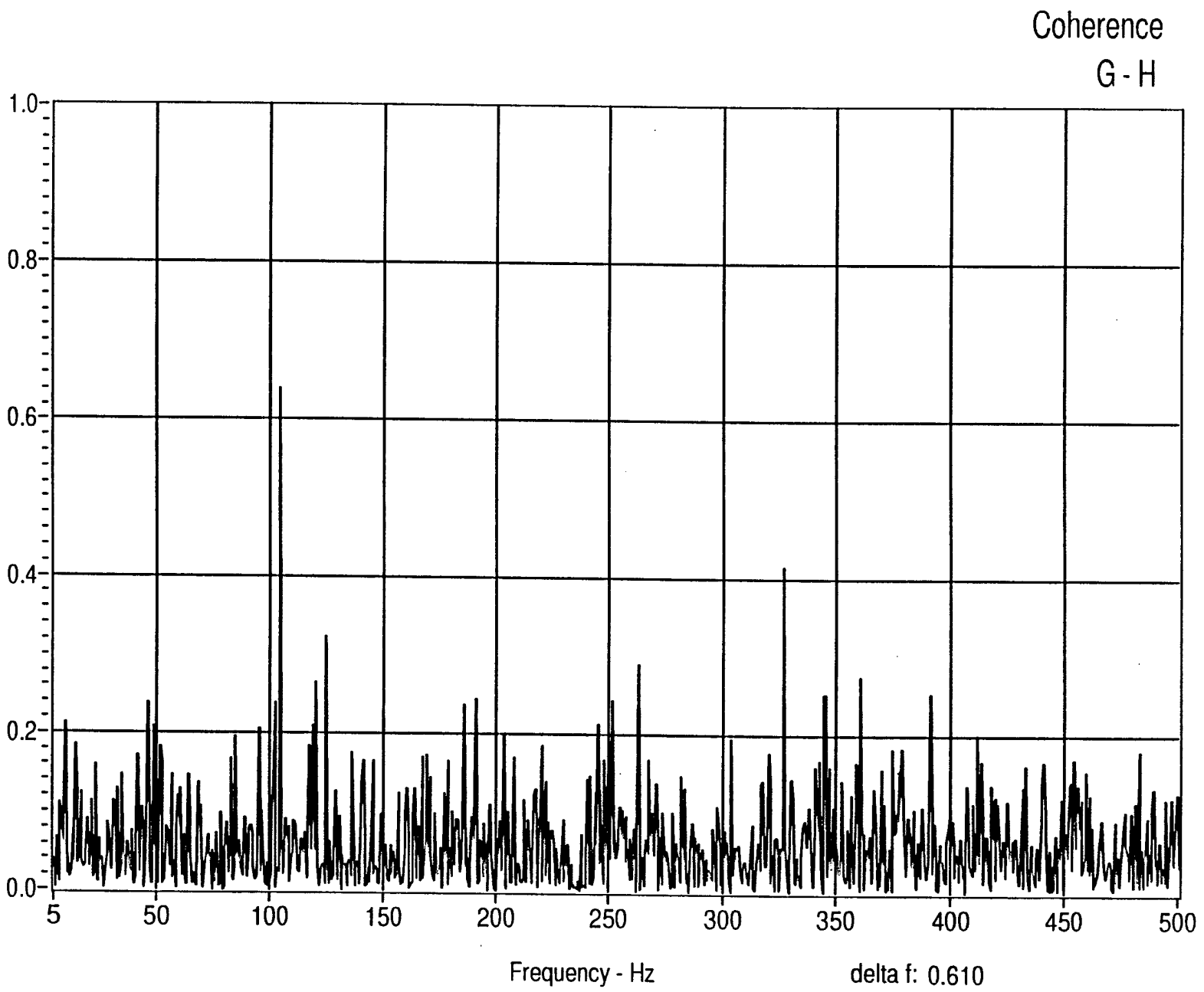


F-15 TPN_3343: alpha=32 beta=0 bp=45

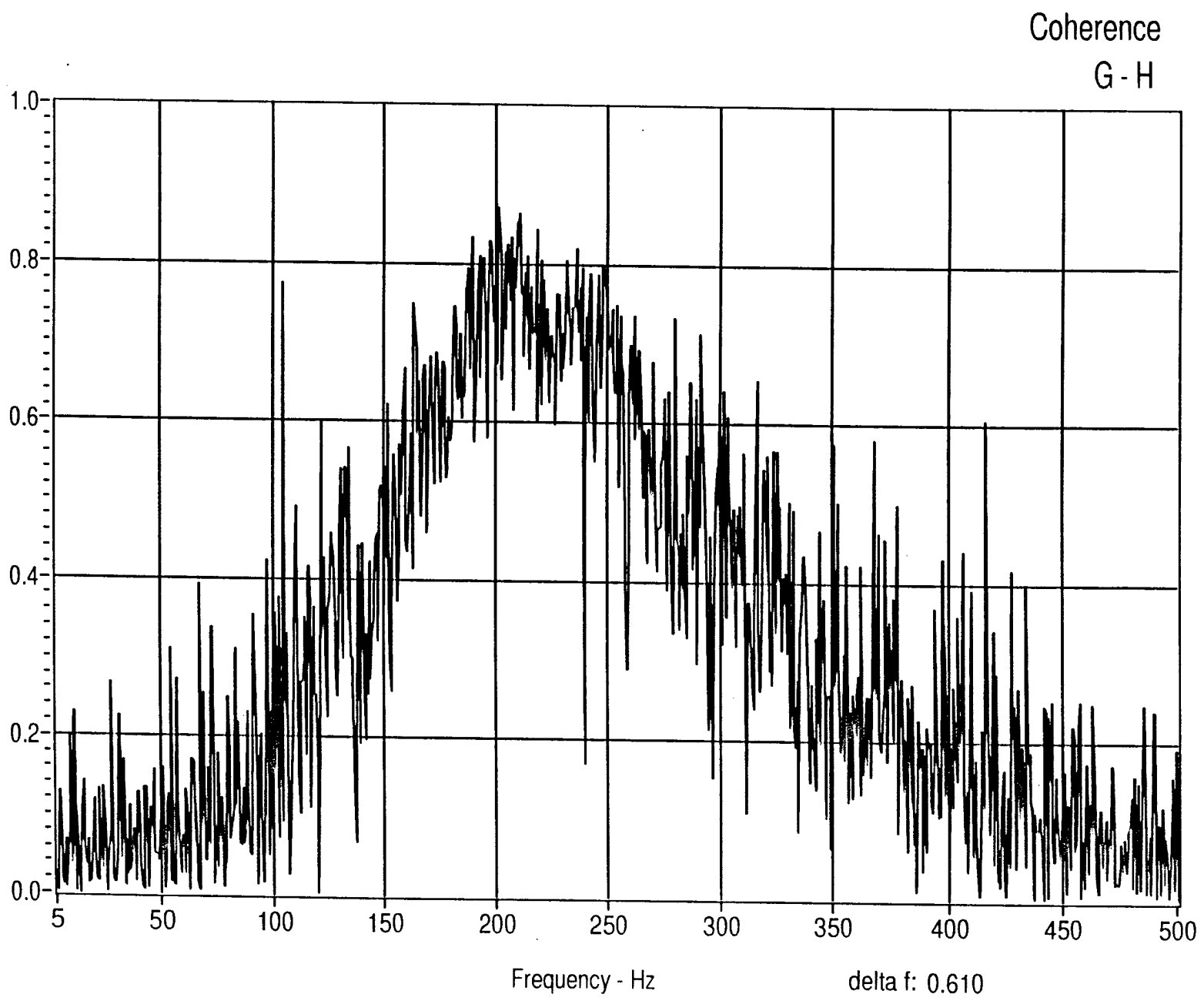


1066

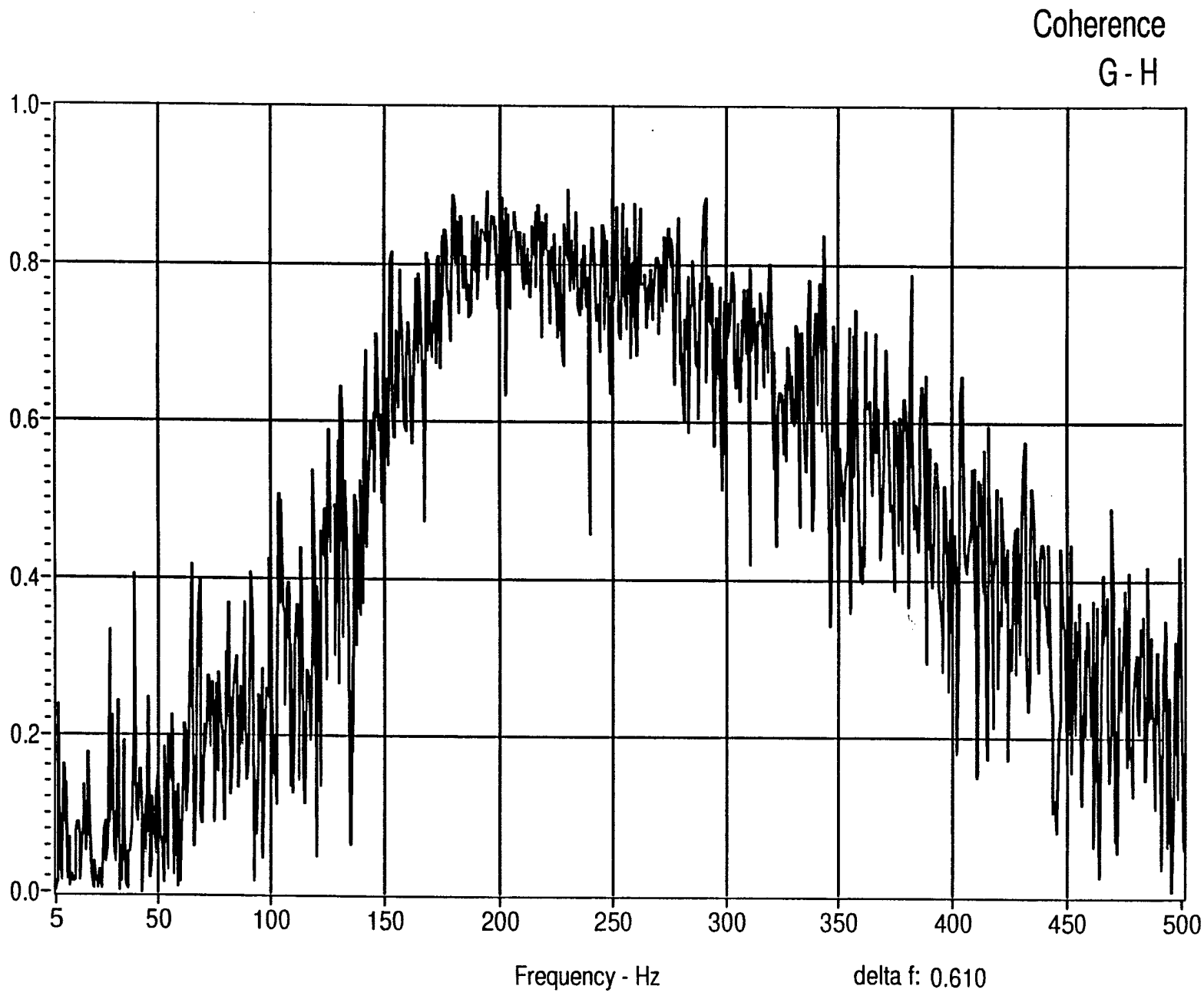
F-15 TPN_3369: alpha=8 beta=-4 bp=45



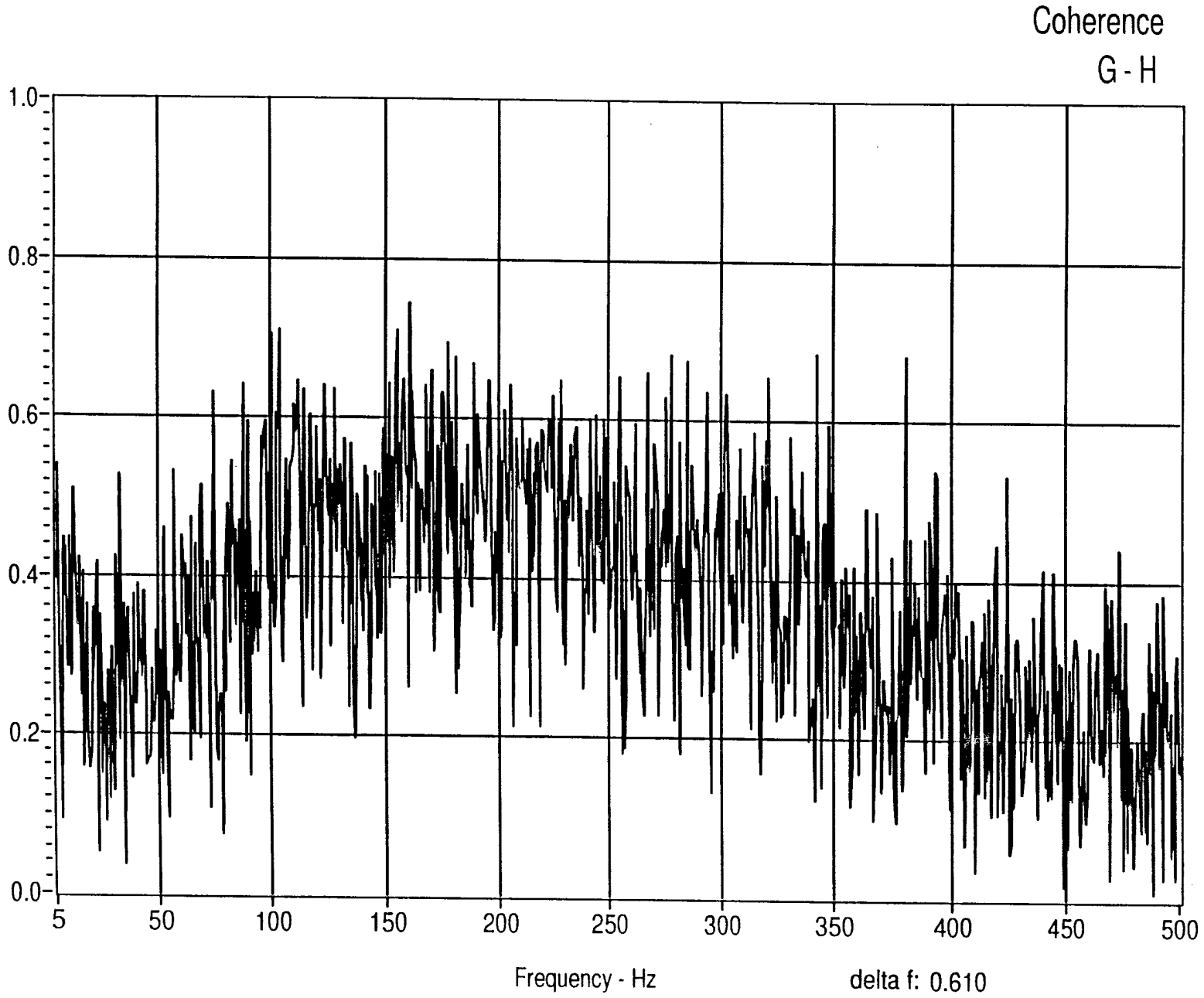
F-15 TPN_3375: alpha=20 beta=-4 bp=45



F-15 TPN_3377: alpha=24 beta=-4 bp=45

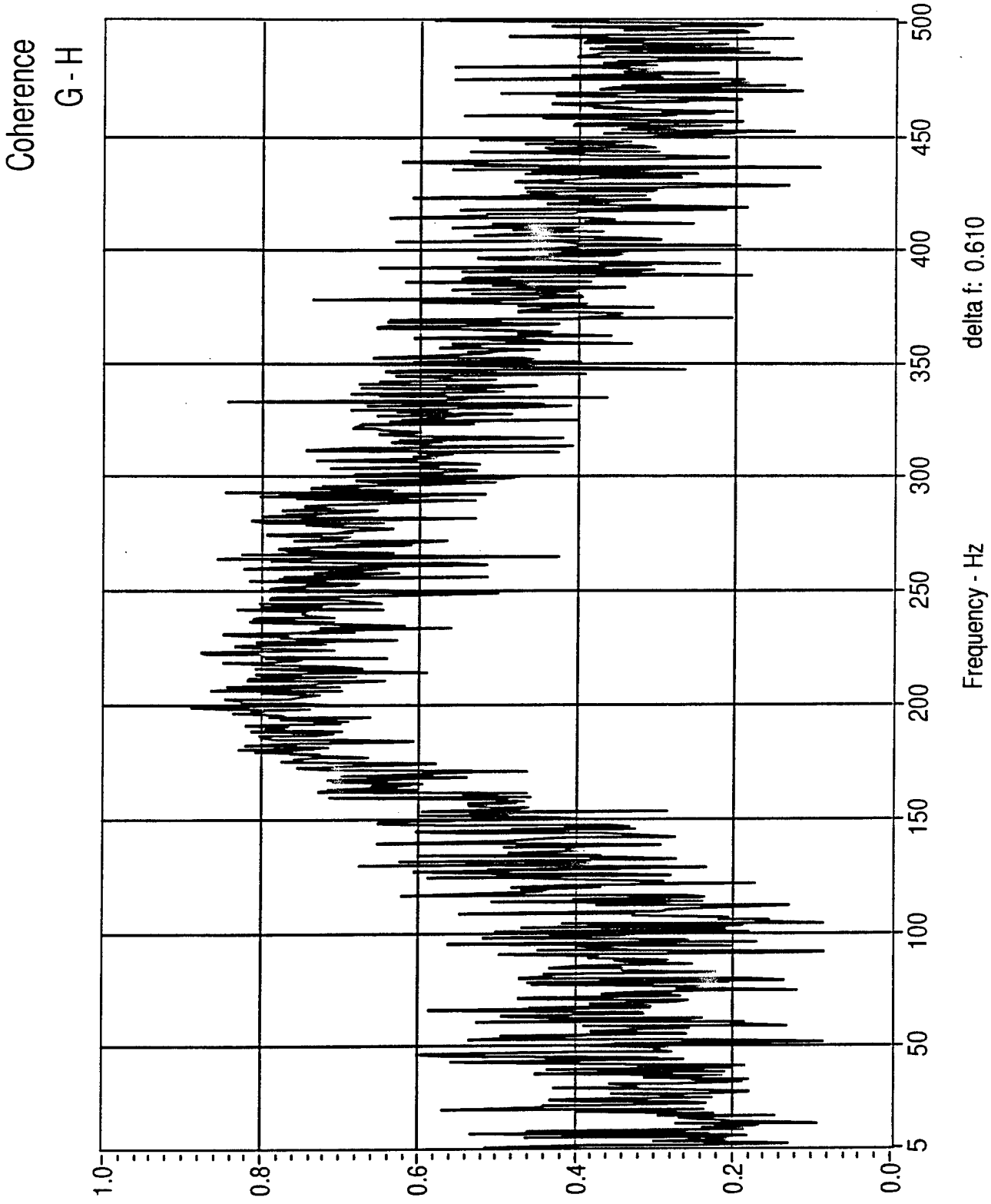


F-15 TPN_3379: alpha=32 beta=-4 bp=45

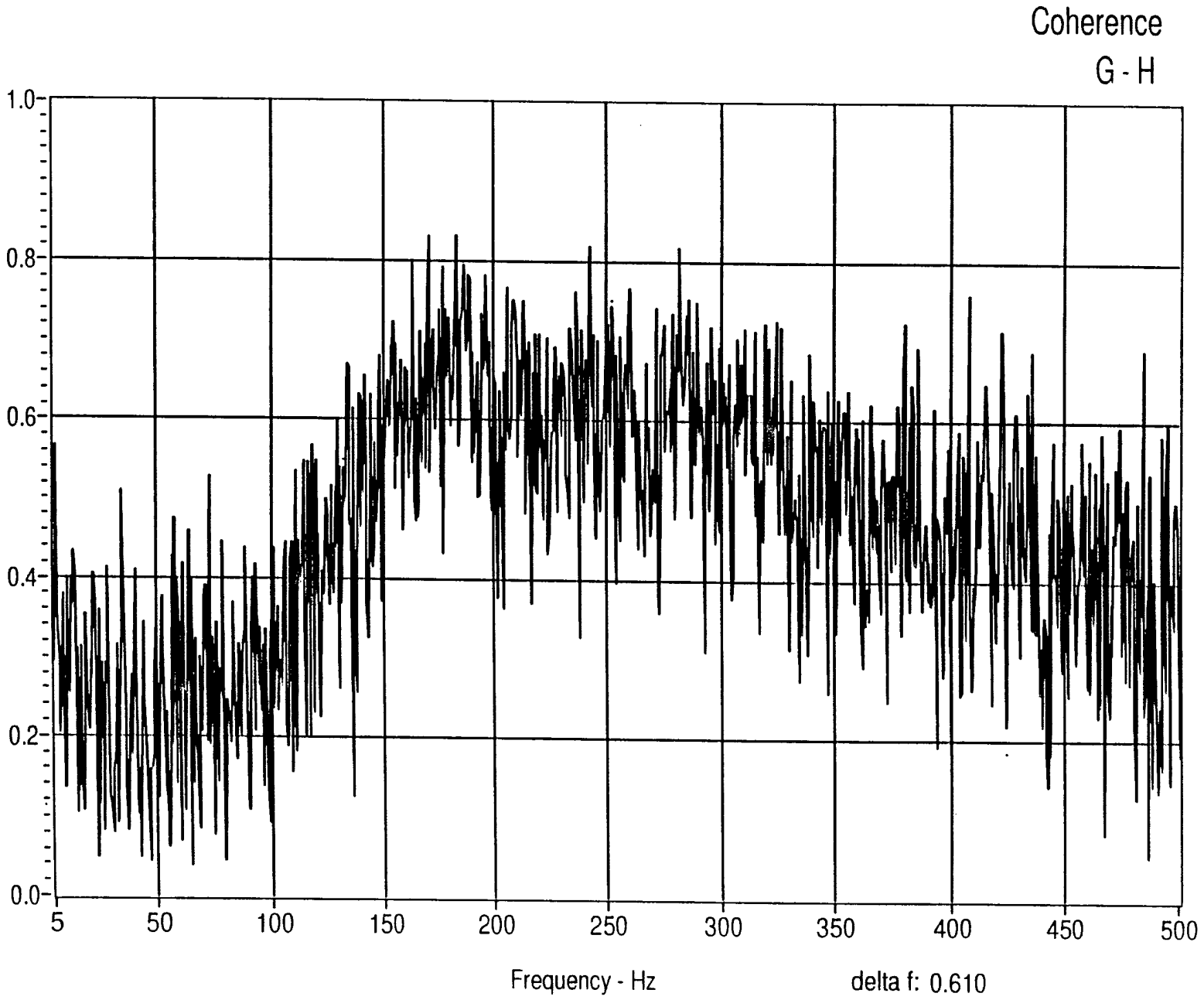


1064

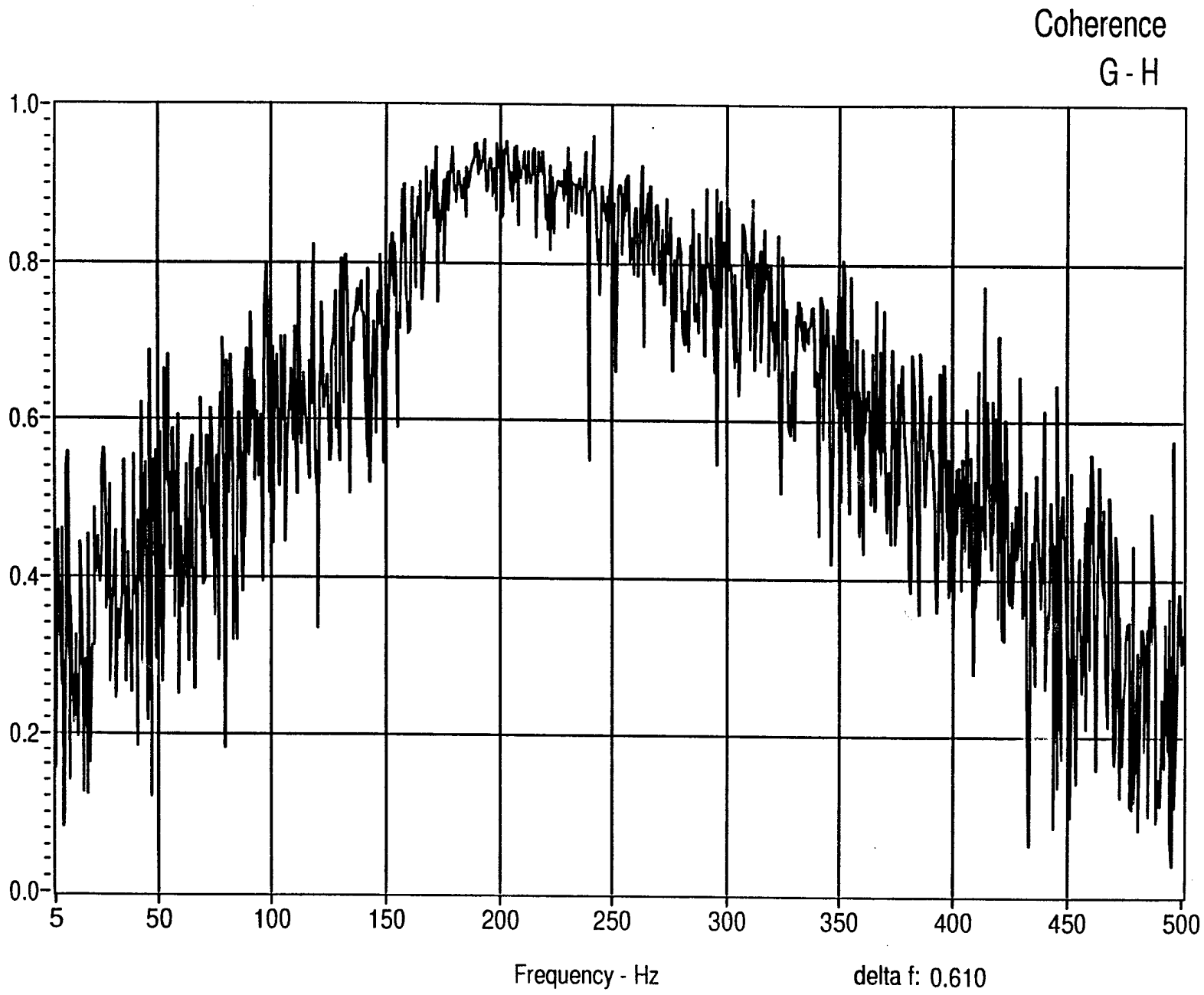
F-15 TPN_3046: alpha=20 beta=4 bp=65



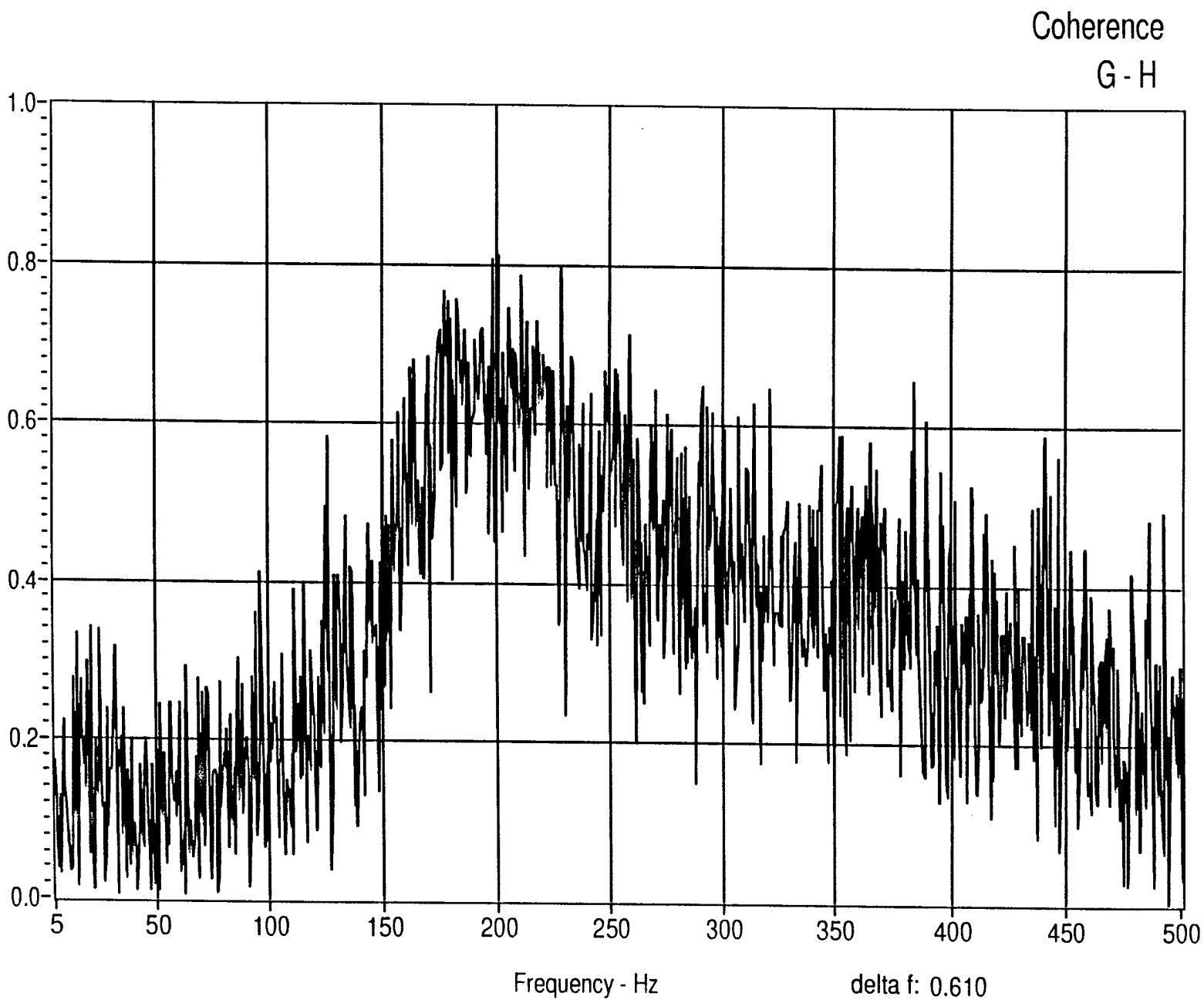
F-15 TPN_3048: alpha=24 beta=4 bp=65



F-15 TPN_3040: alpha=20 beta=0 bp=65

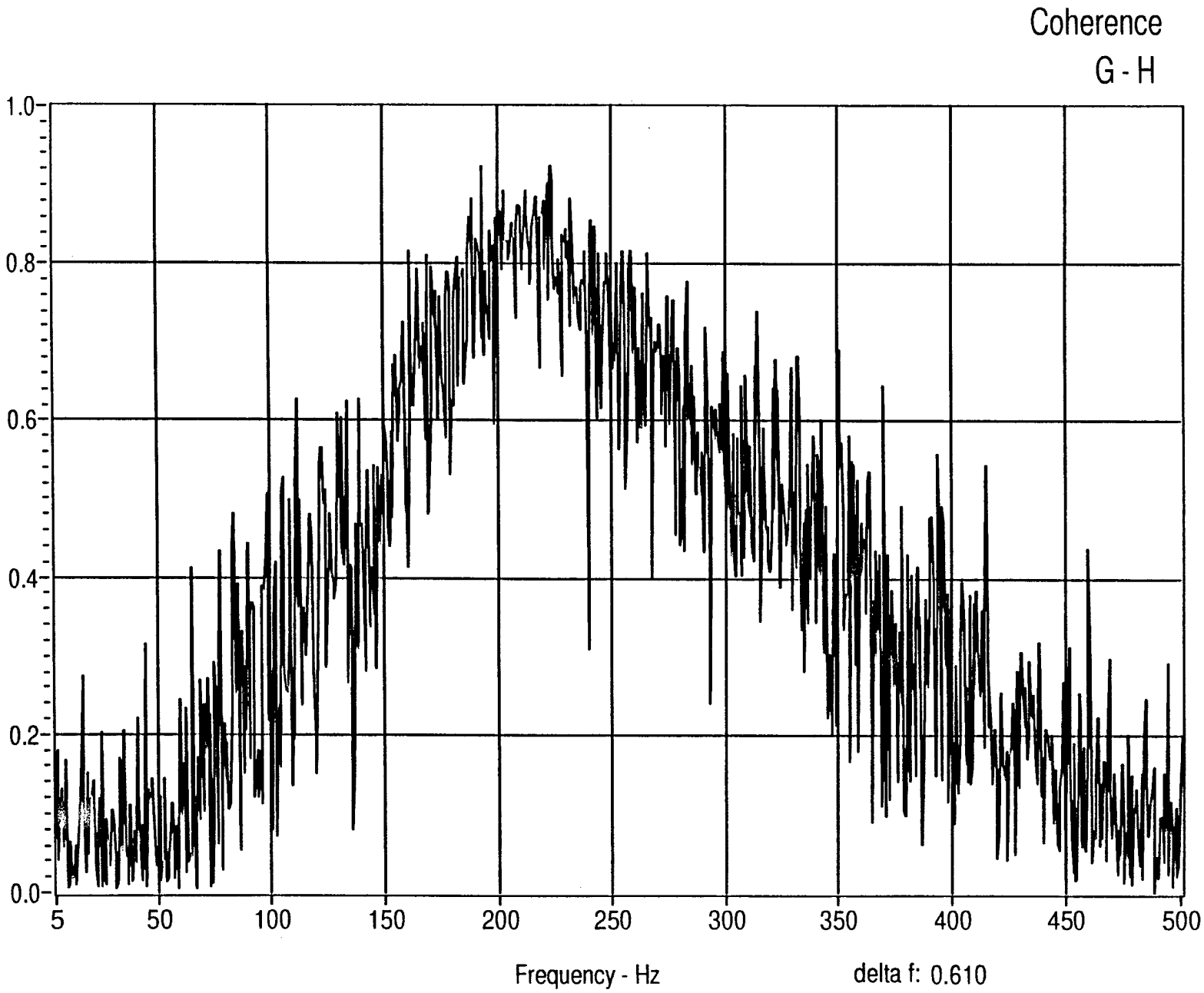


F-15 TPN_3042: alpha=24 beta=0 bp=65

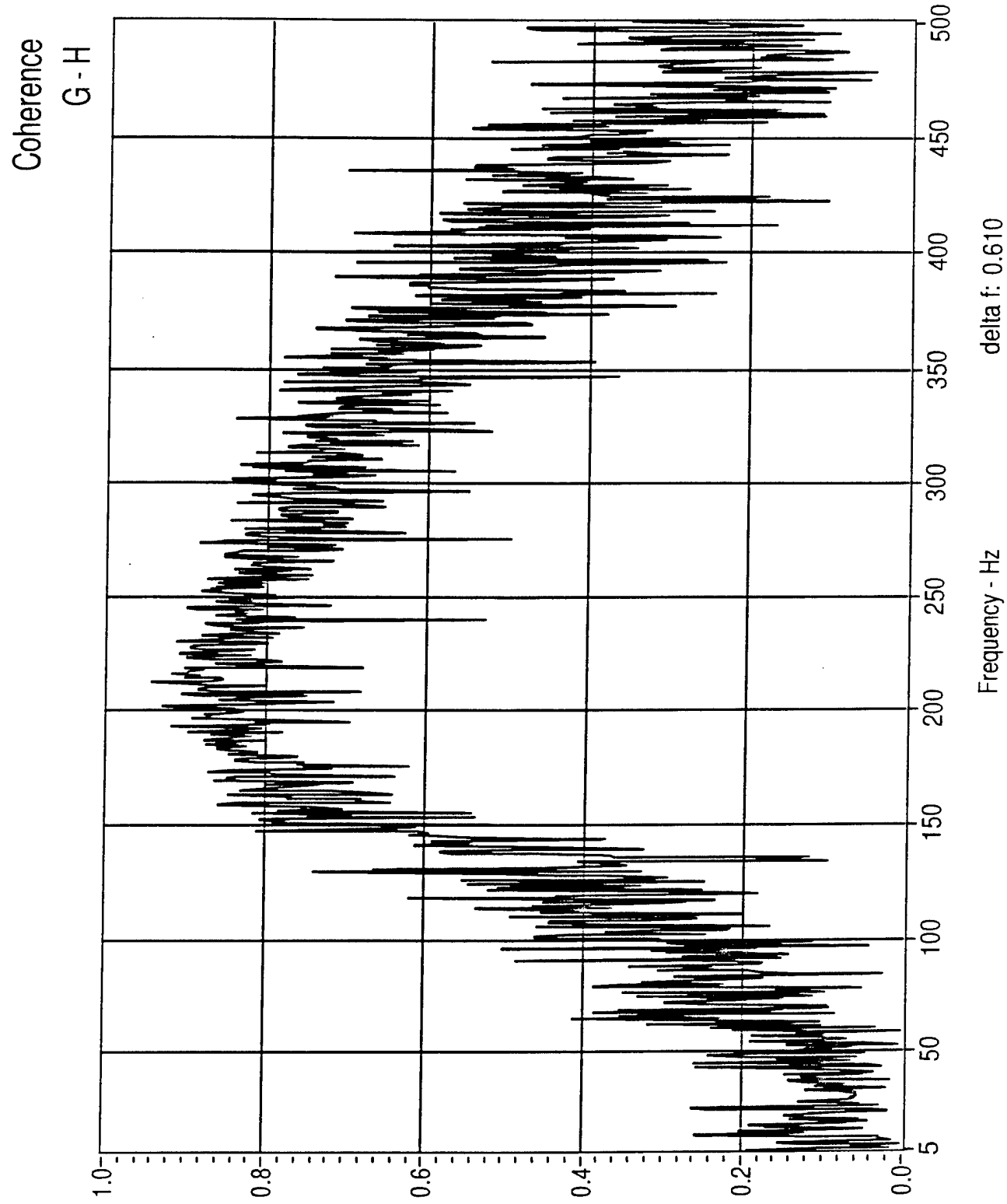


7068

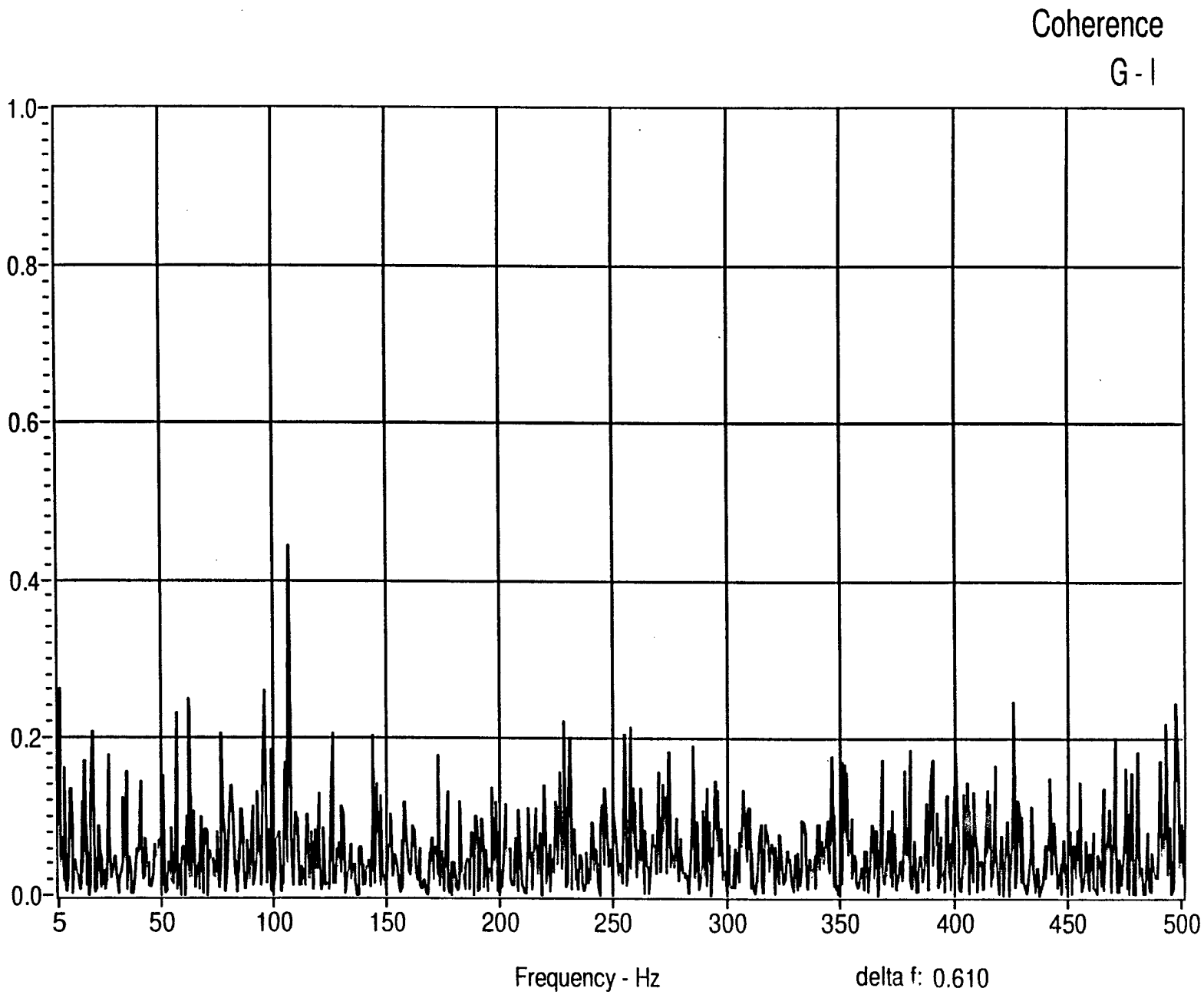
F-15 TPN_3034: alpha=20 beta=-4 bp=65



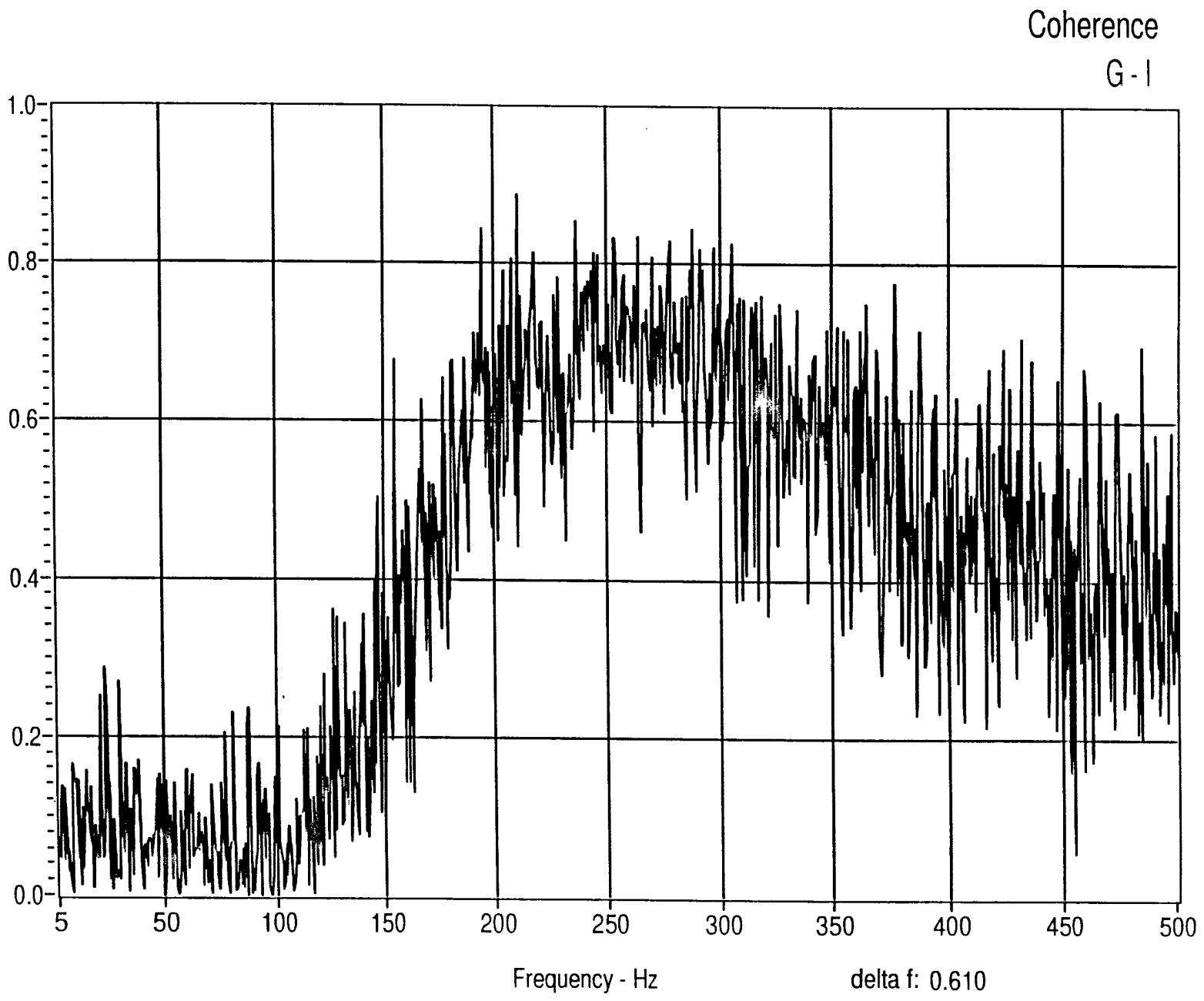
F-15 TPN_3036: alpha=24 beta=-4 bp=65



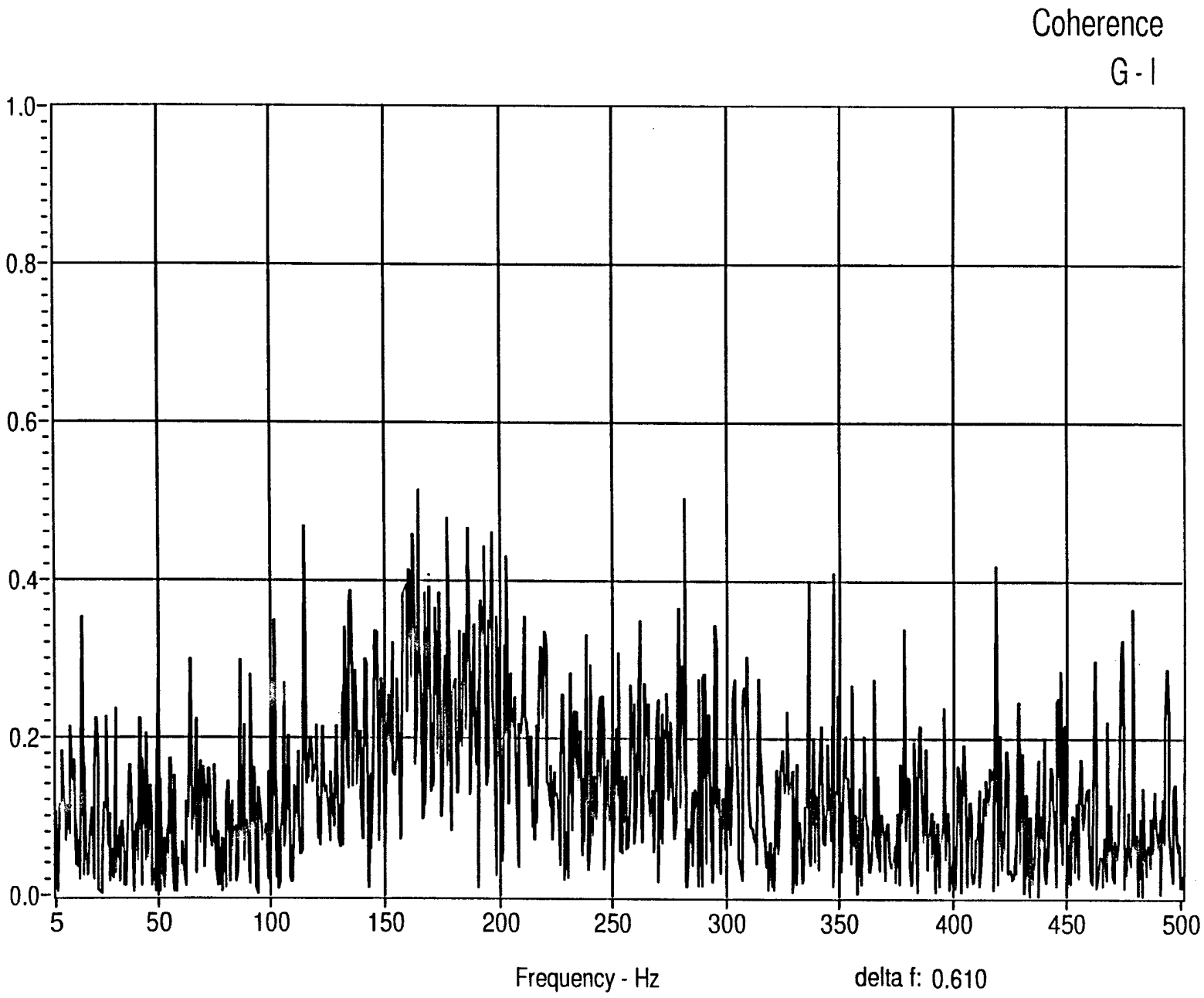
F-15 TPN_2918: alpha=8 beta=4 bp=0



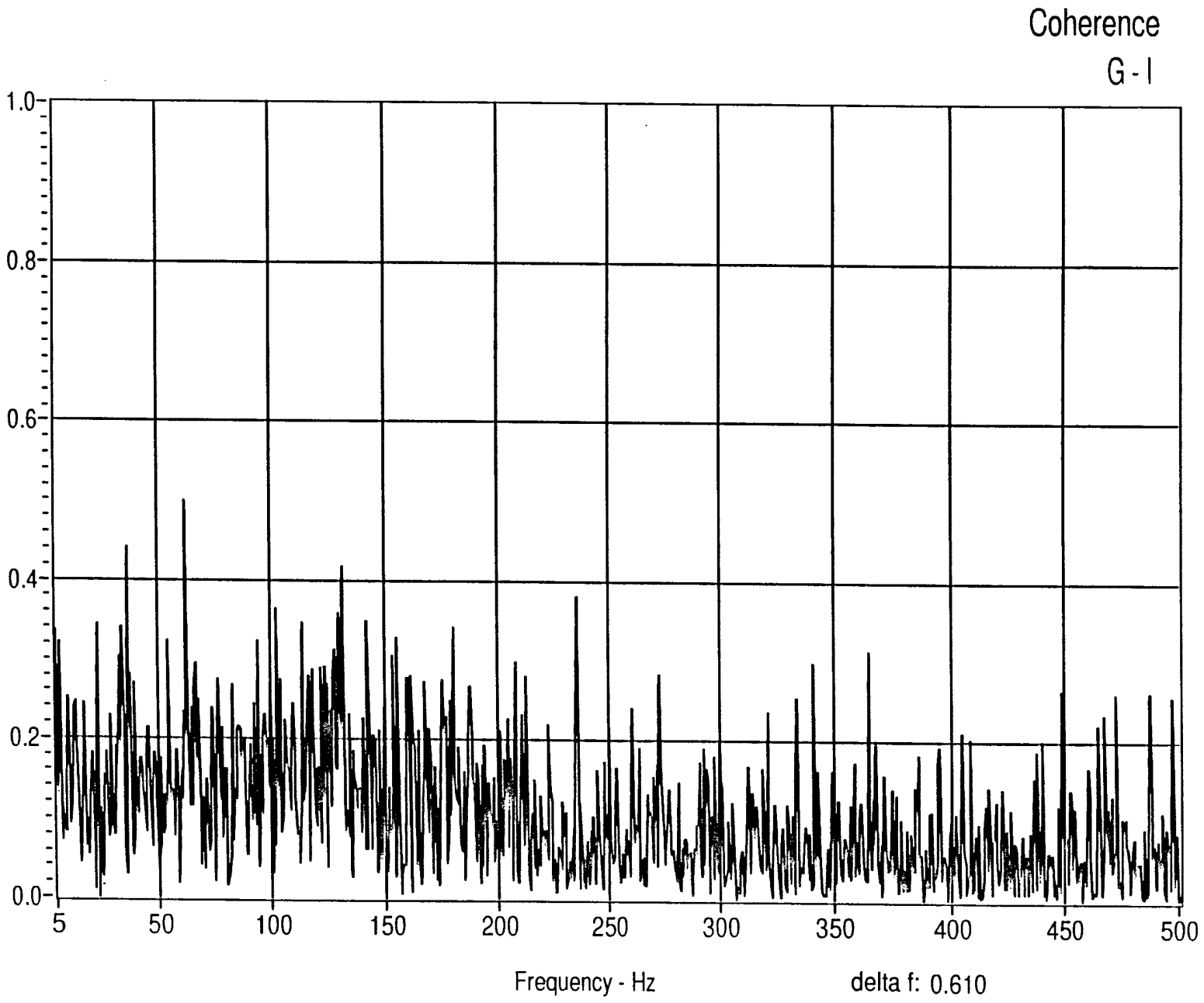
F-15 TPN_2924: alpha=20 beta=4 bp=0



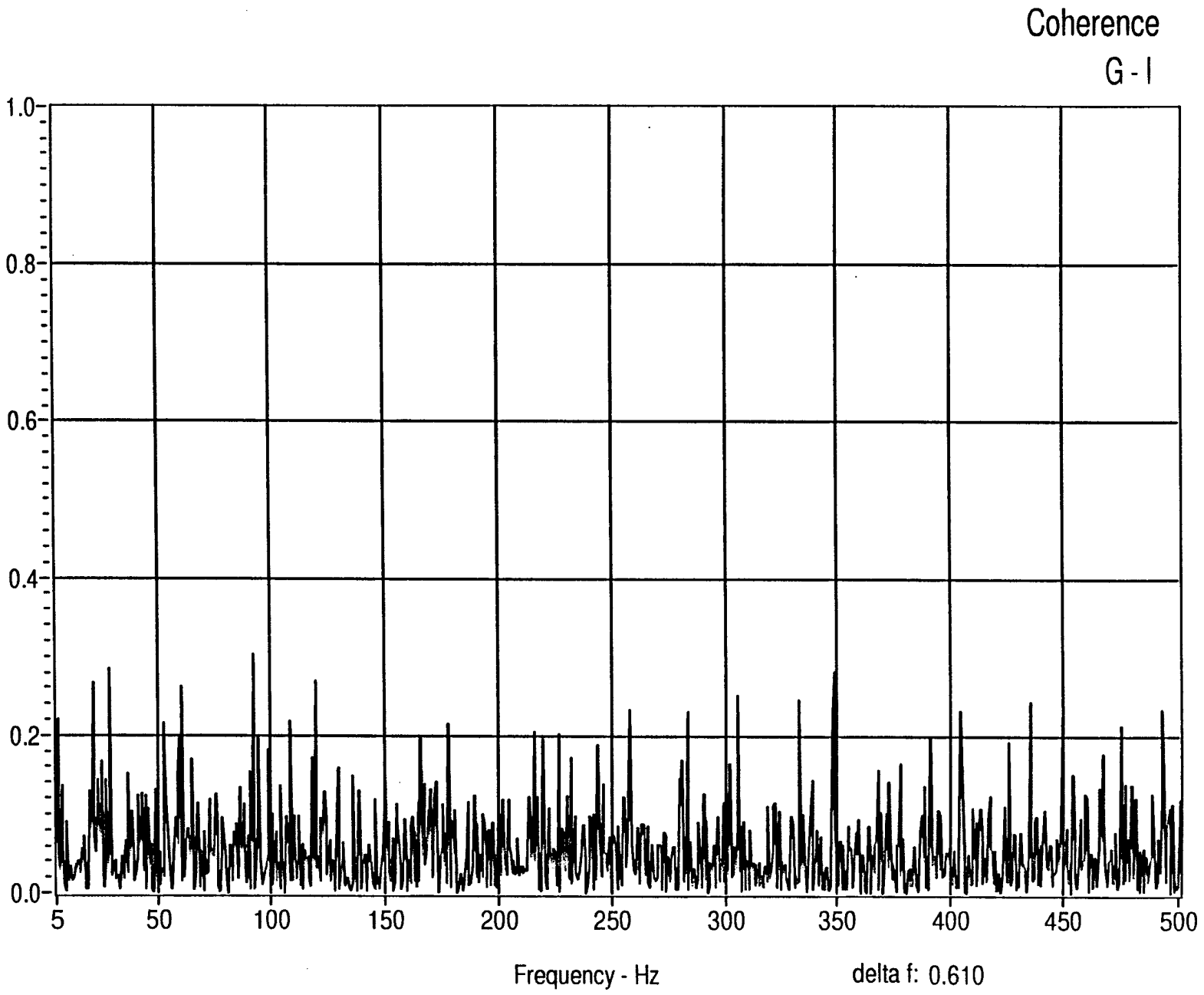
F-15 TPN_2926: alpha=24 beta=4 bp=0



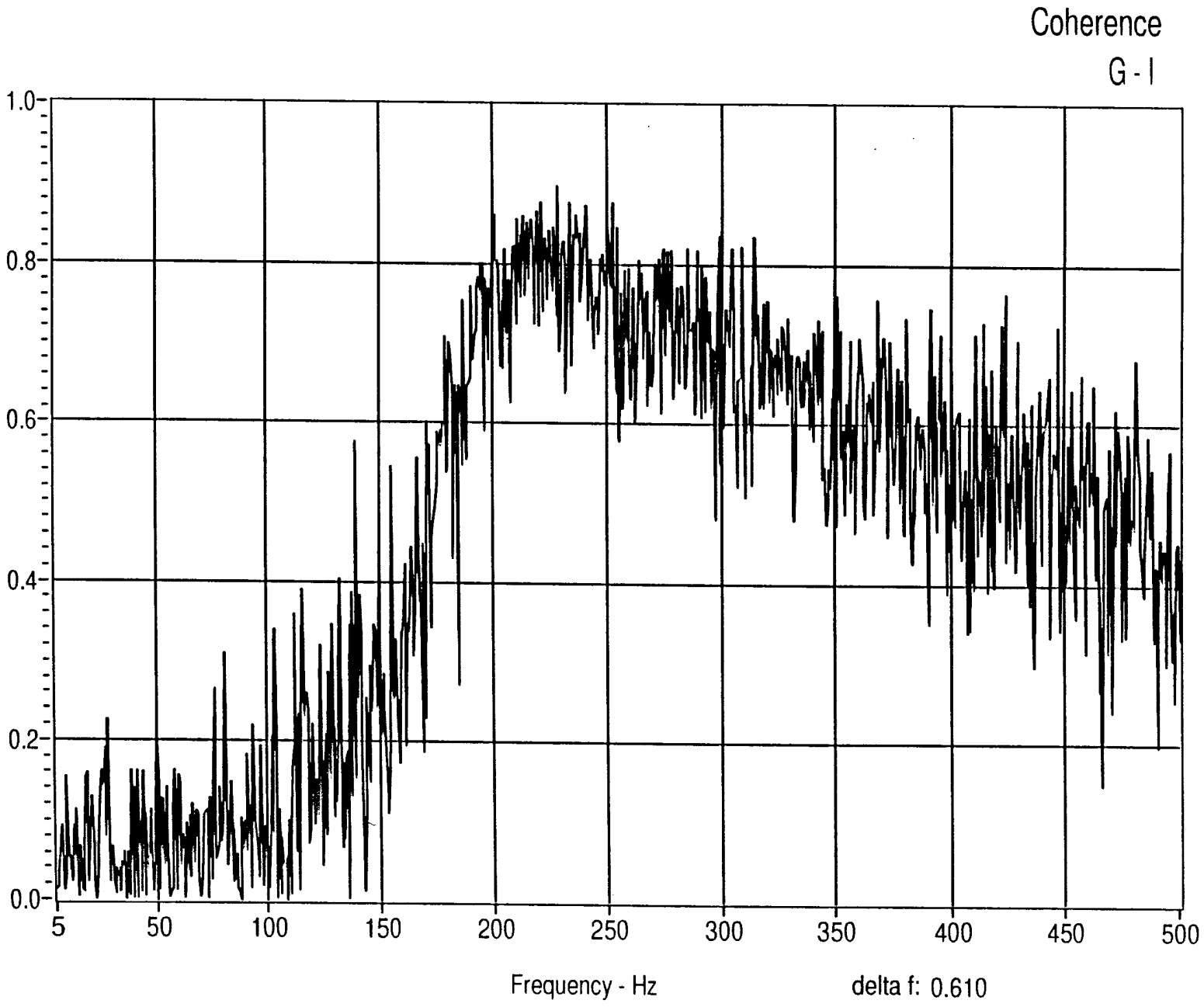
F-15 TPN_2928: alpha=32 beta=4 bp=0



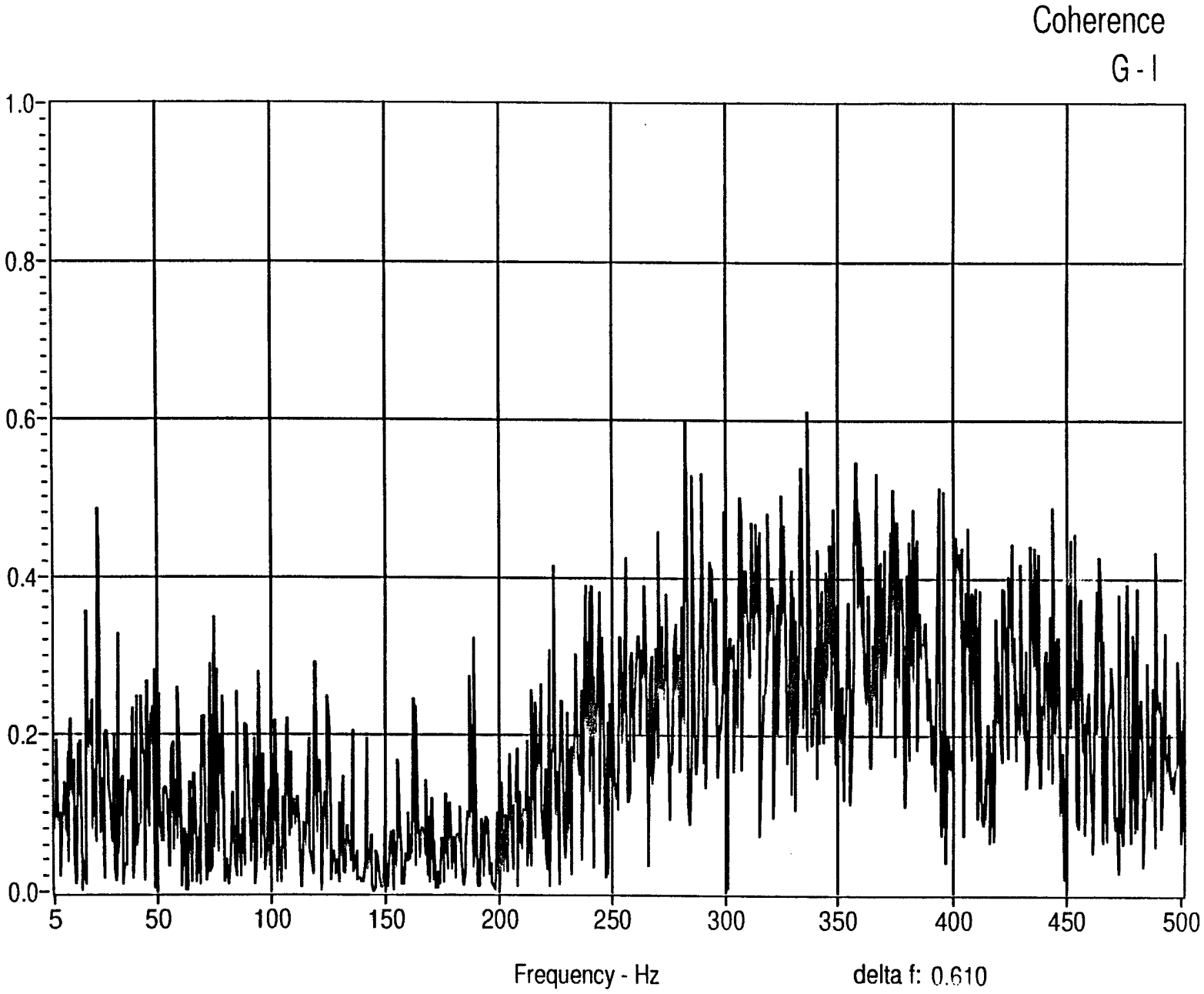
F-15 TPN_2844: alpha=8 beta=0 bp=0



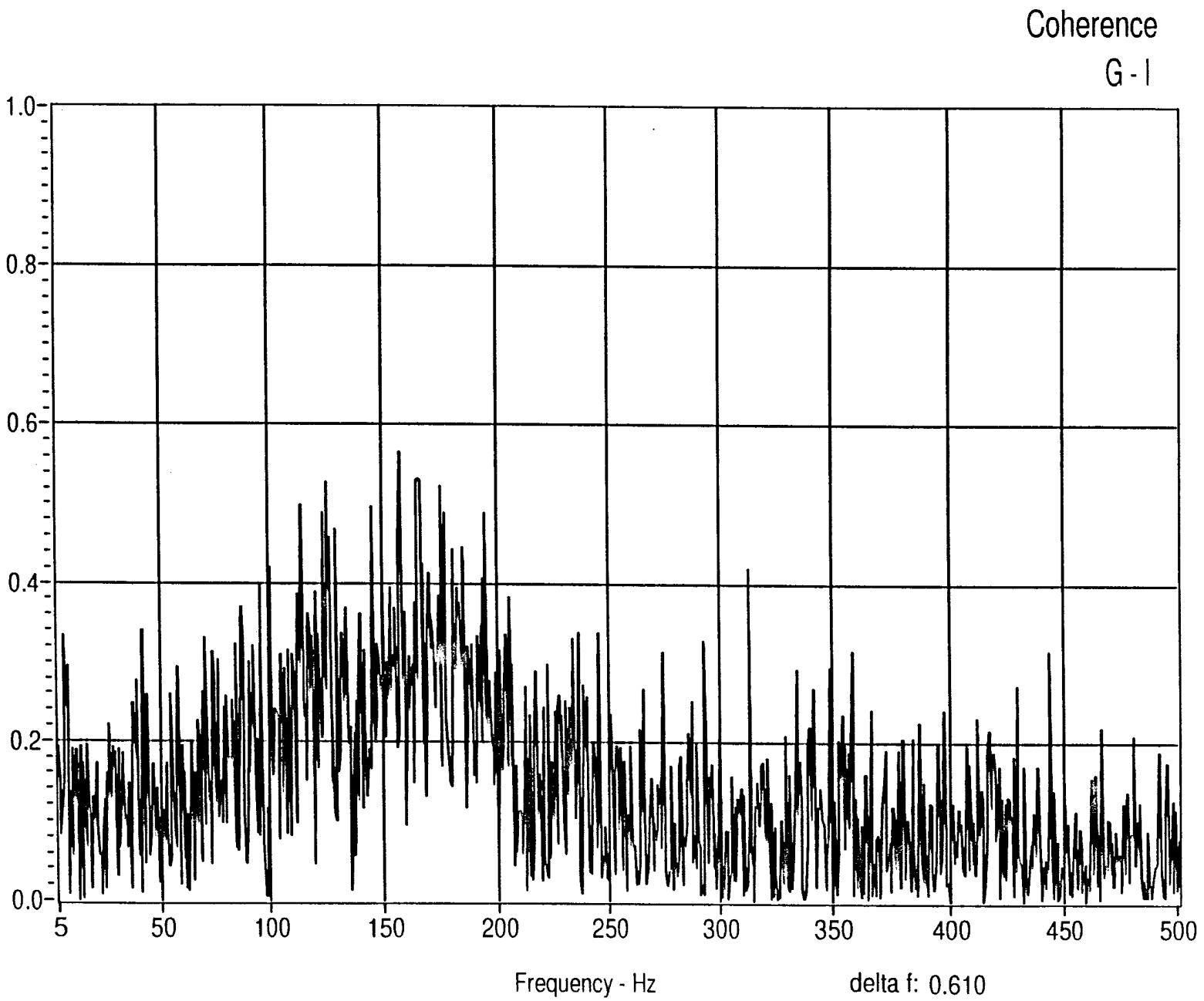
F-15 TPN_2850: alpha=20 beta=0 bp=0



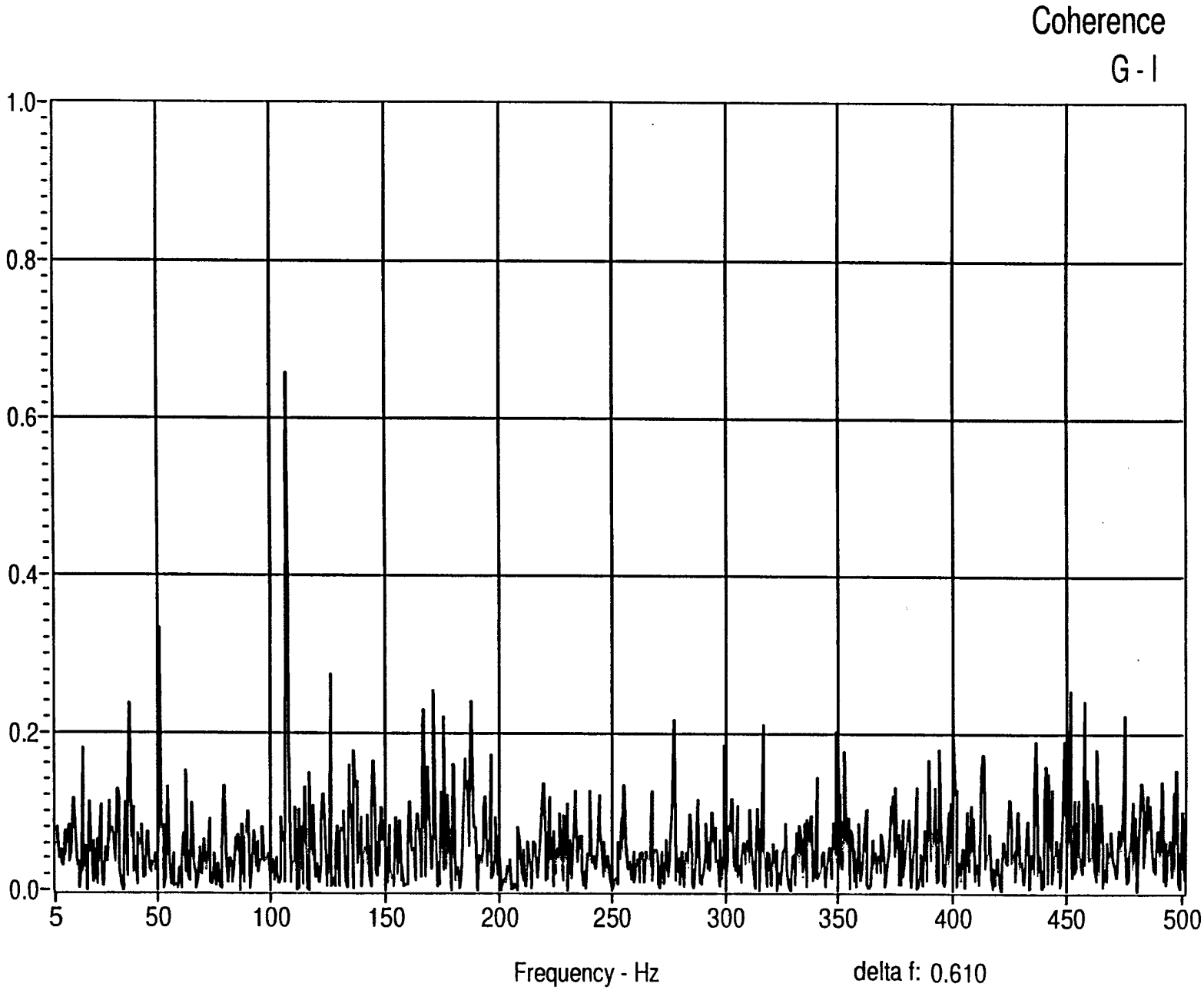
F-15 TPN_2852: alpha=24 beta=0 bp=0



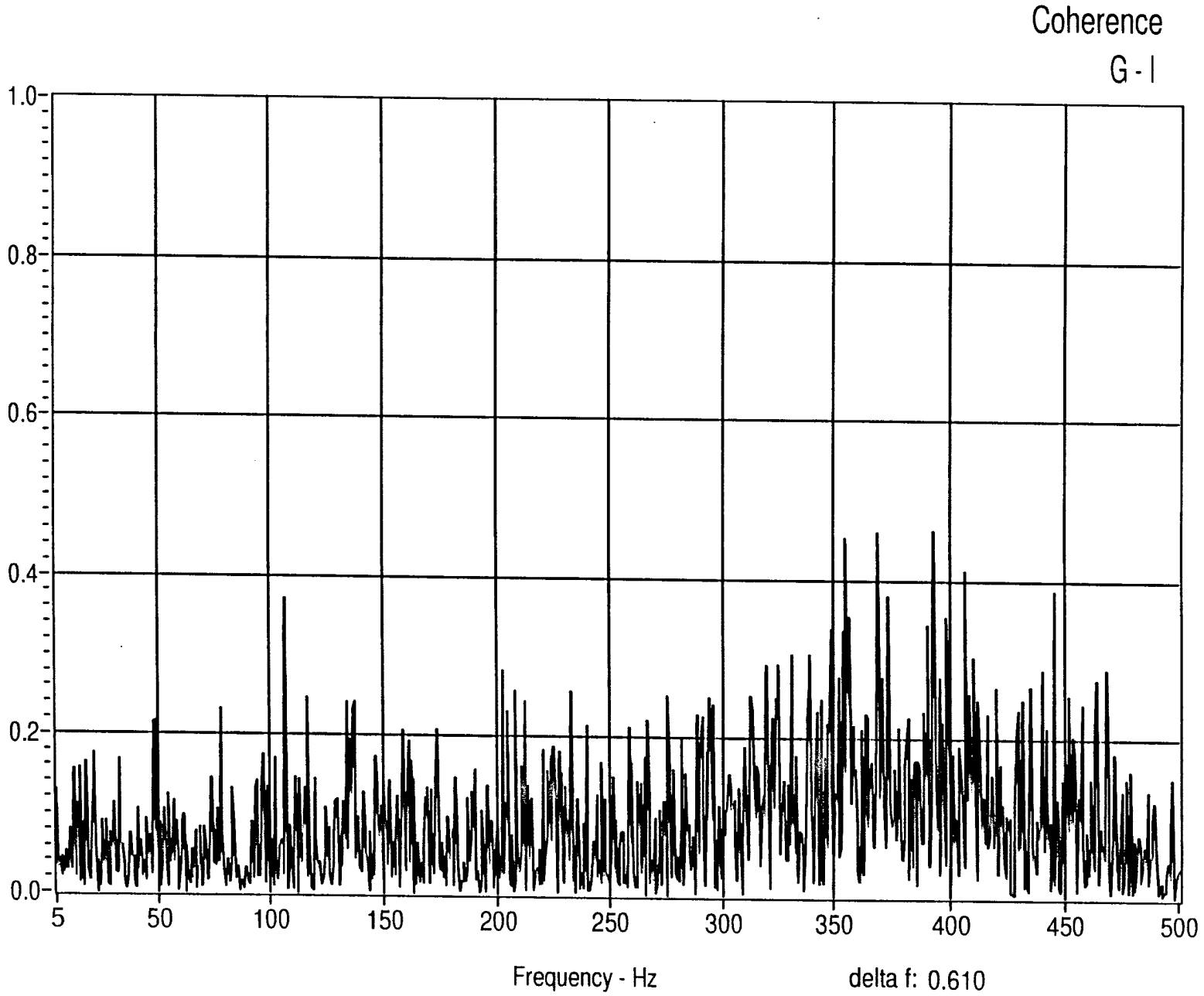
F-15 TPN_2854: alpha=32 beta=0 bp=0



F-15 TPN_2864: alpha=8 beta=-4 bp=0

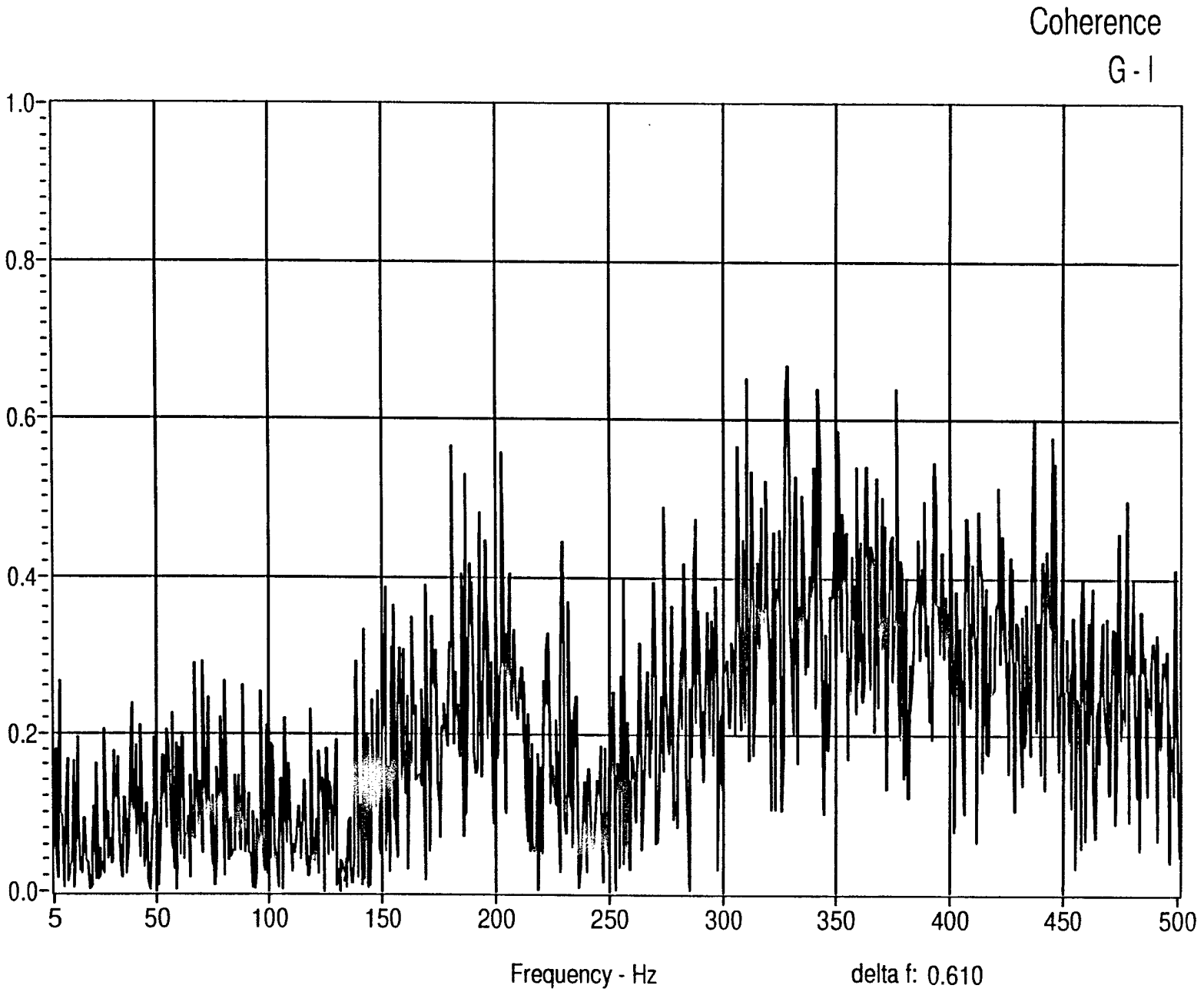


F-15 TPN_2870: alpha=20 beta=-4 bp=0

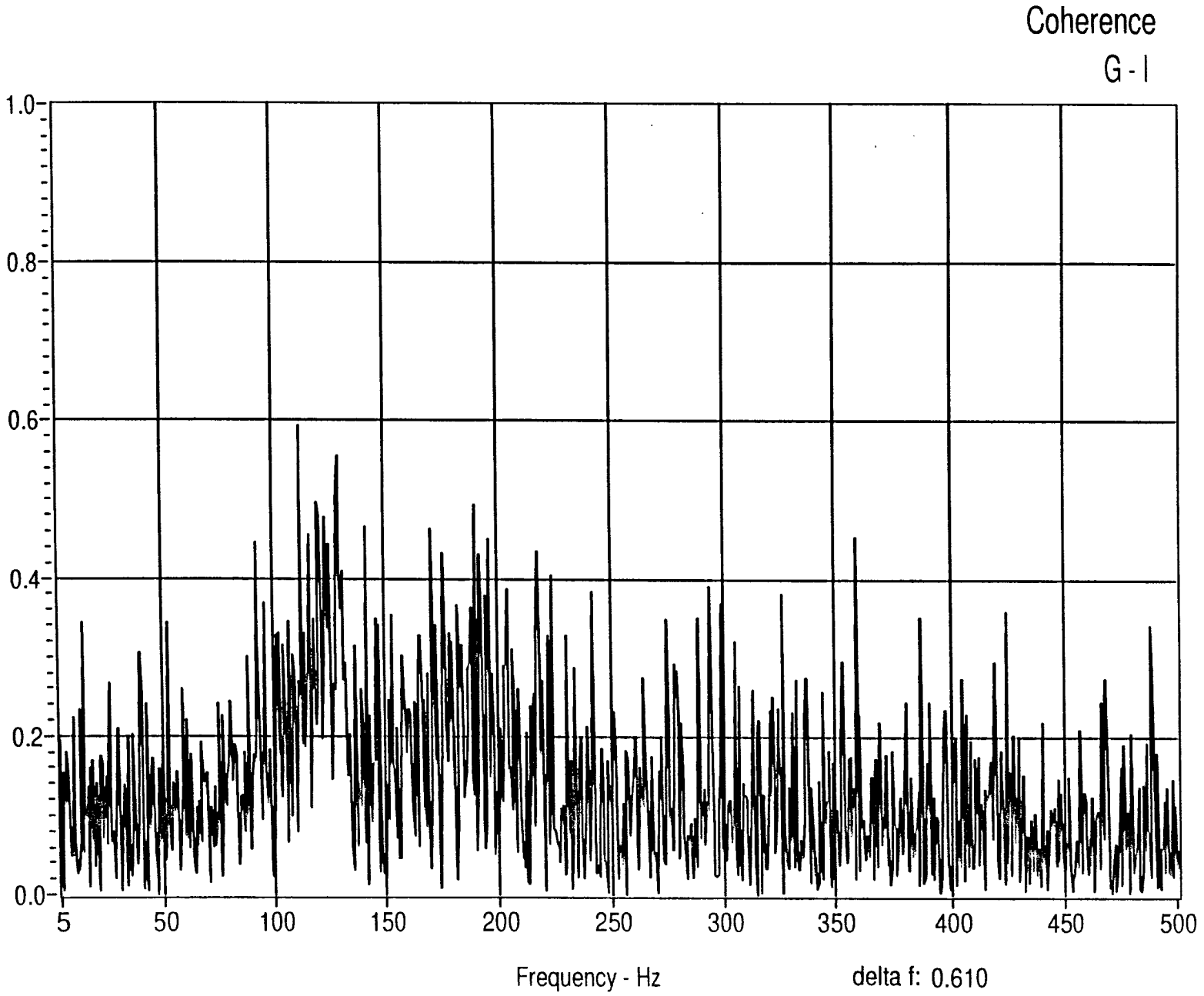


1080

F-15 TPN_2872: alpha=24 beta=-4 bp=0

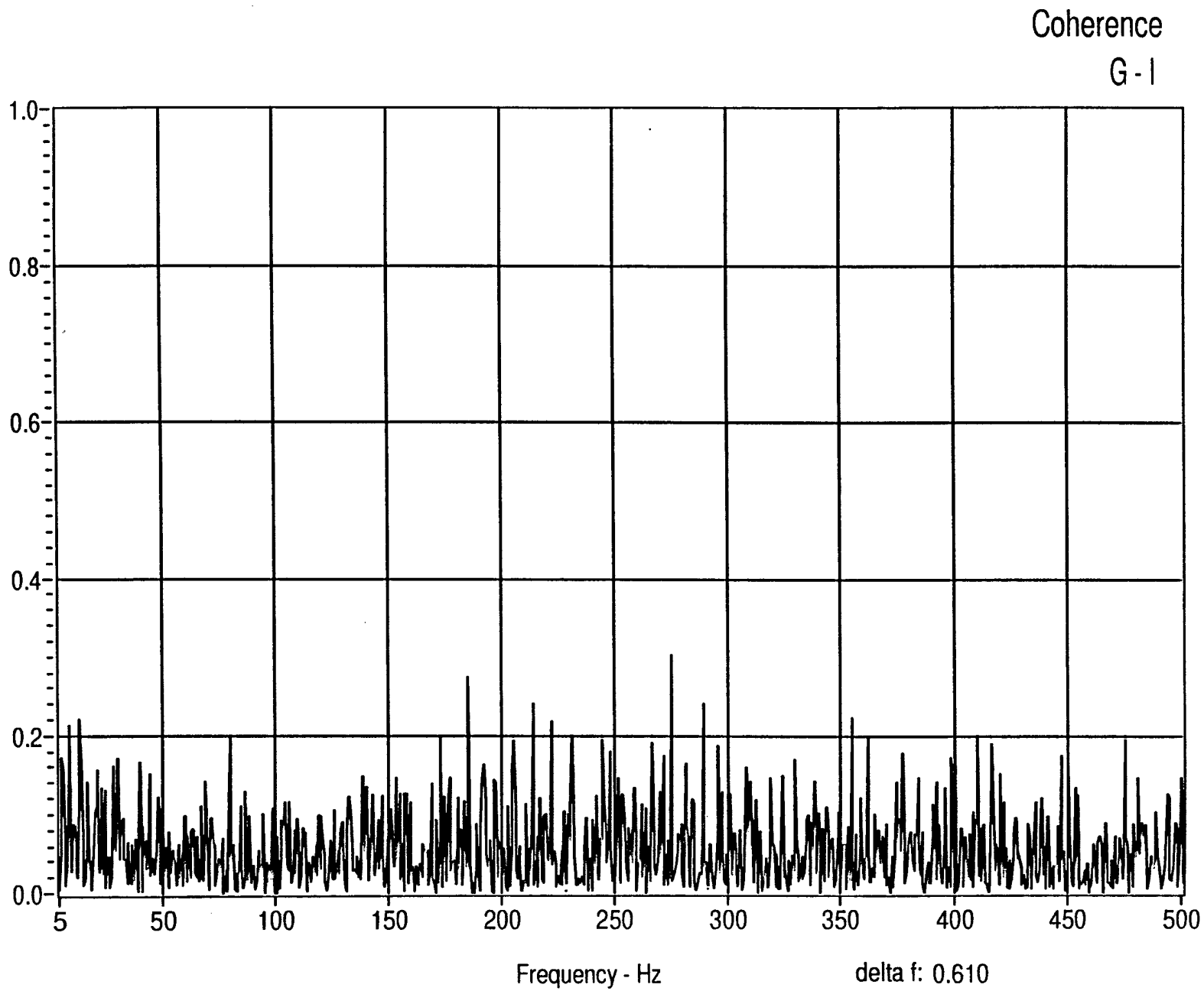


F-15 TPN_2874: alpha=32 beta=-4 bp=0

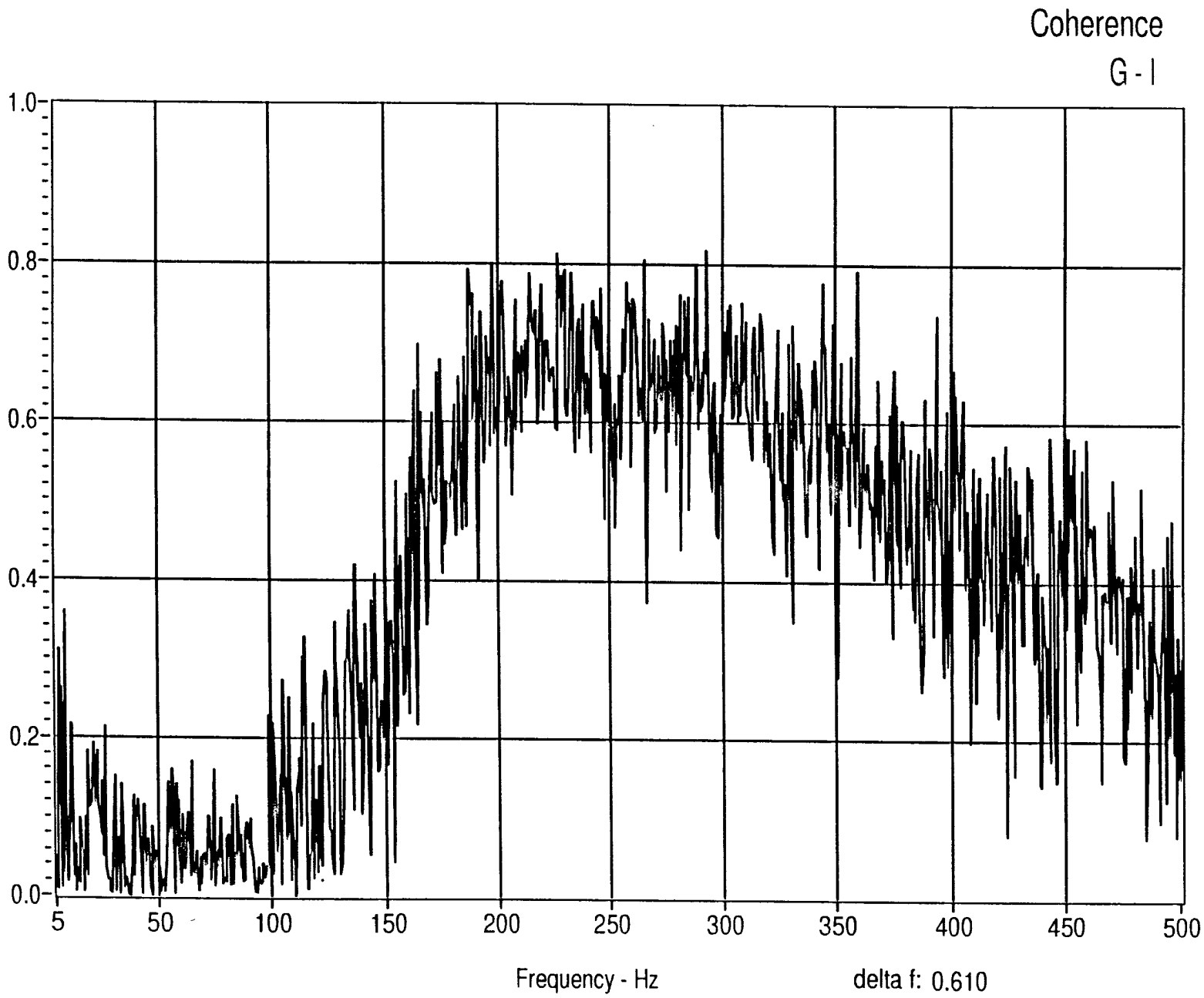


7082

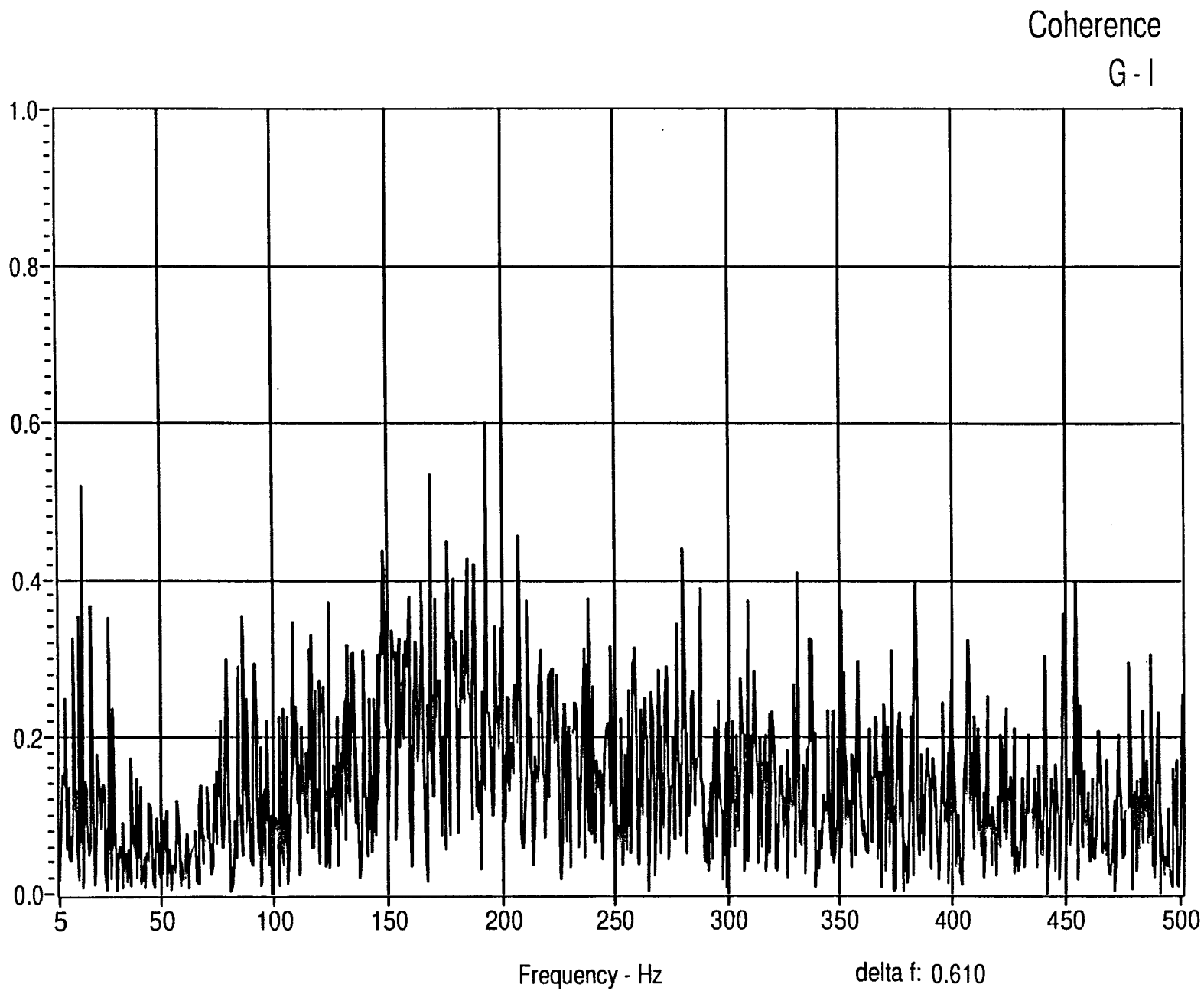
F-15 TPN_3351: alpha=8 beta=4 bp=45



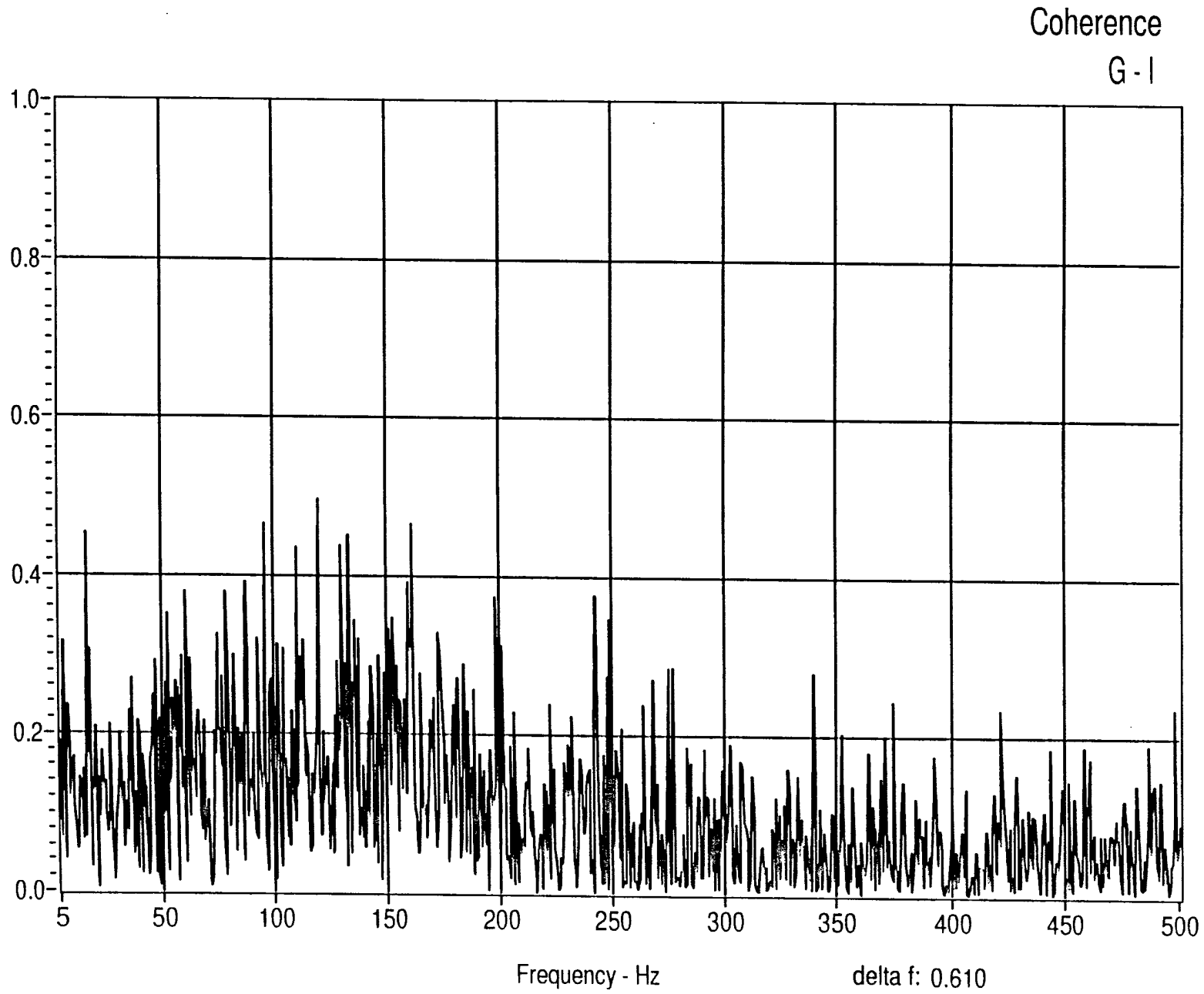
F-15 TPN_3357: alpha=20 beta=4 bp=45



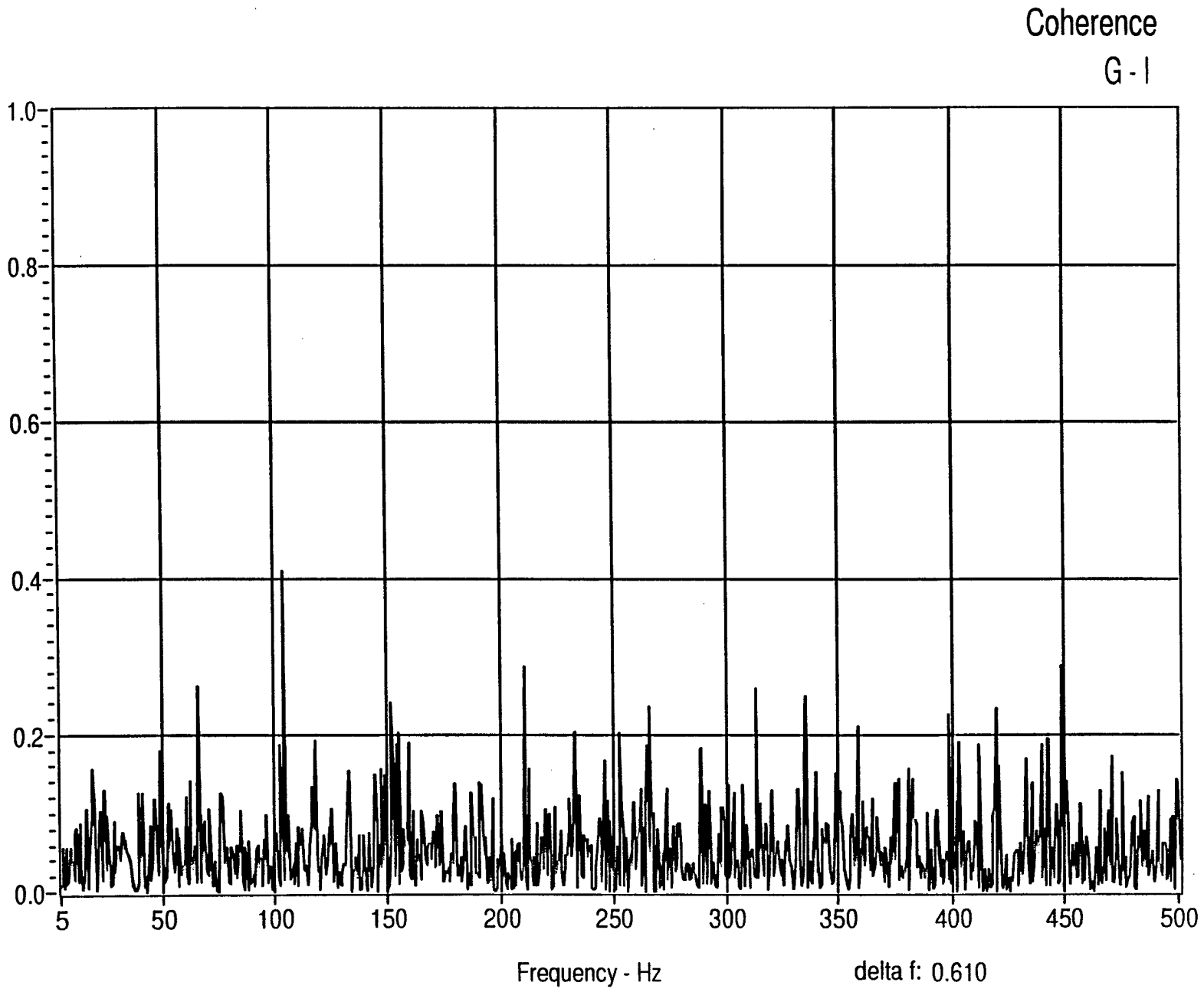
F-15 TPN_3359: alpha=24 beta=4 bp=45



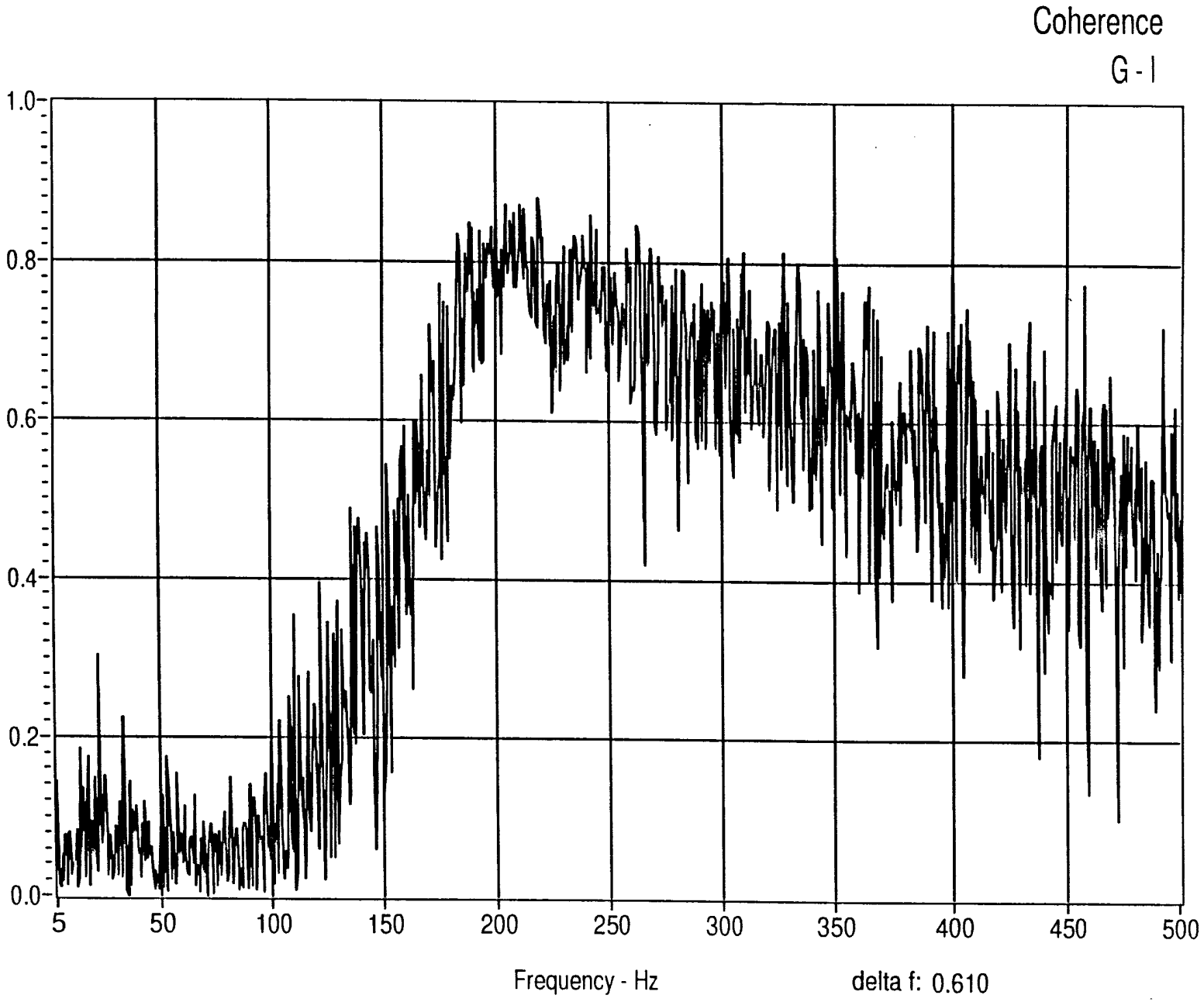
F-15 TPN_3361: alpha=32 beta=4 bp=45



F-15 TPN_3333: alpha=8 beta=0 bp=45

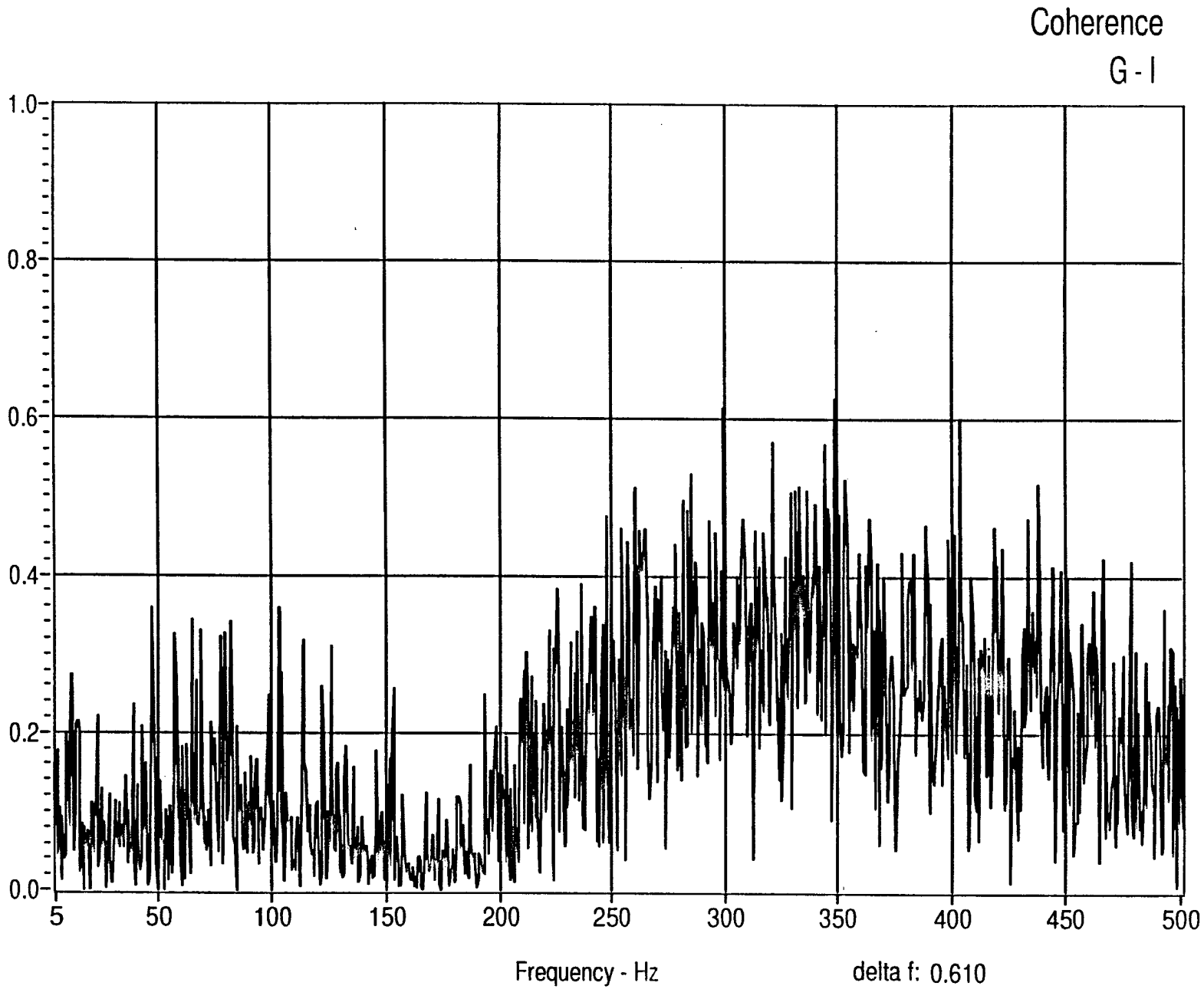


F-15 TPN_3339: alpha=20 beta=0 bp=45



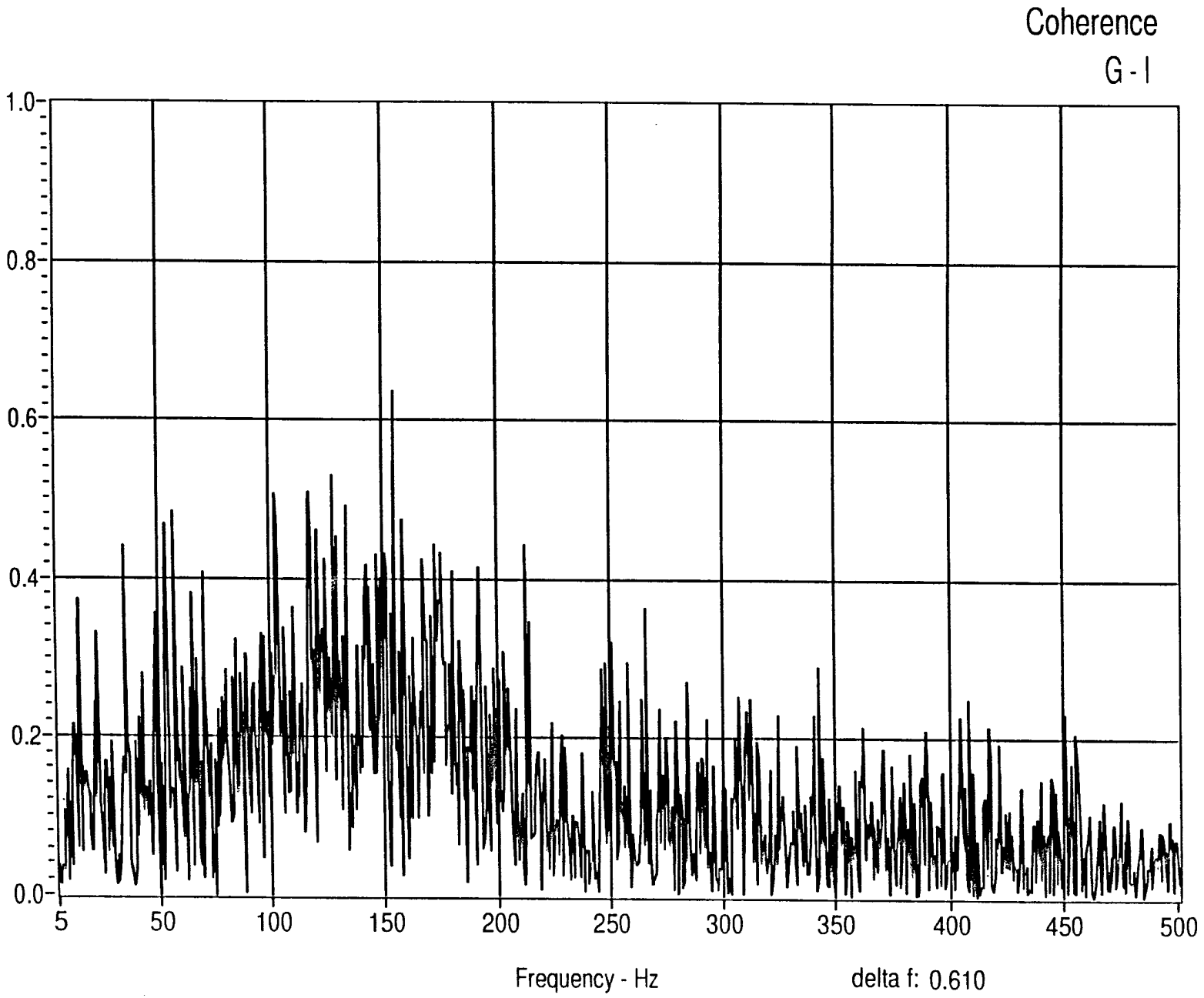
1088

F-15 TPN_3341: alpha=24 beta=0 bp=45



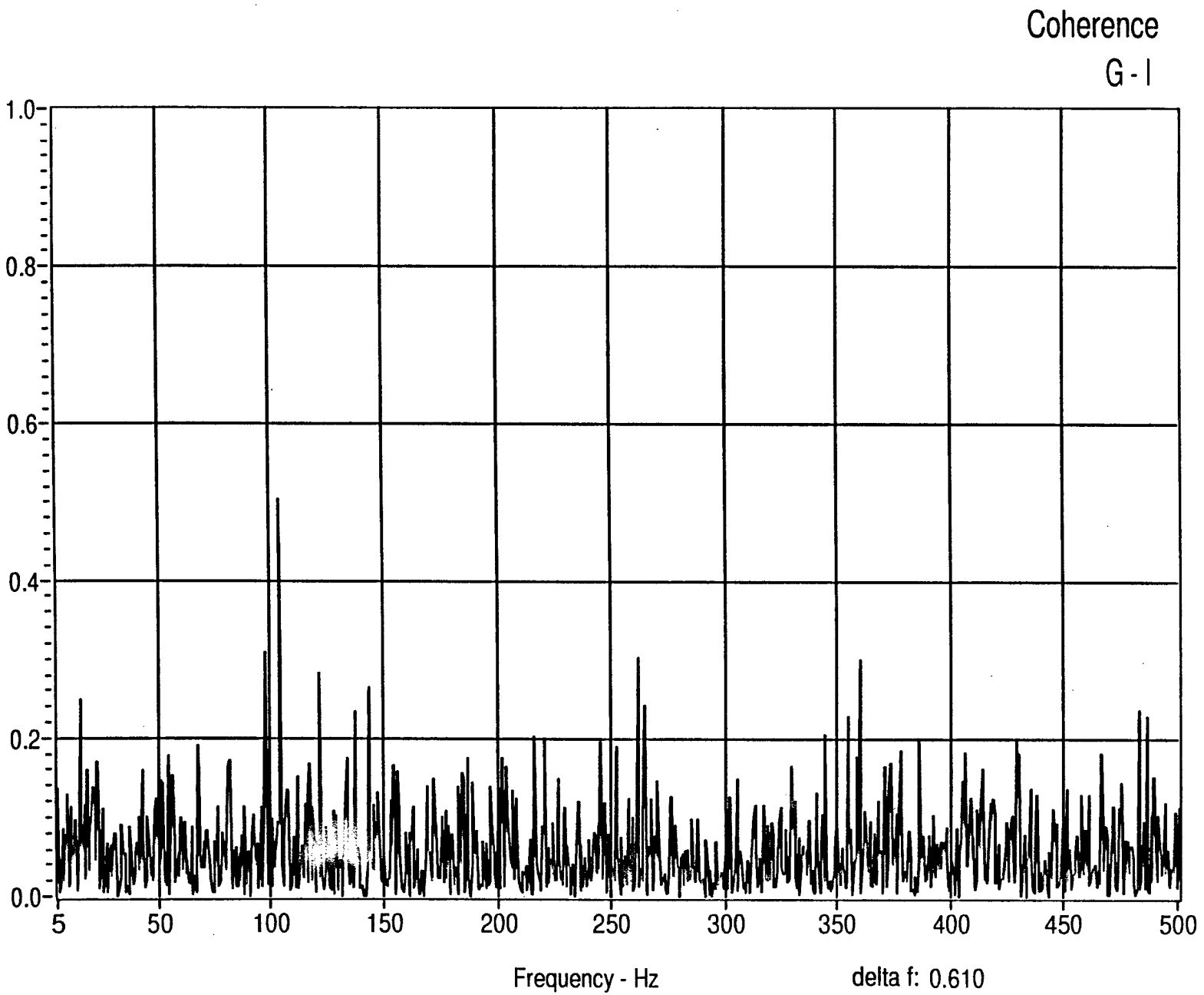
1089

F-15 TPN_3343: alpha=32 beta=0 bp=45

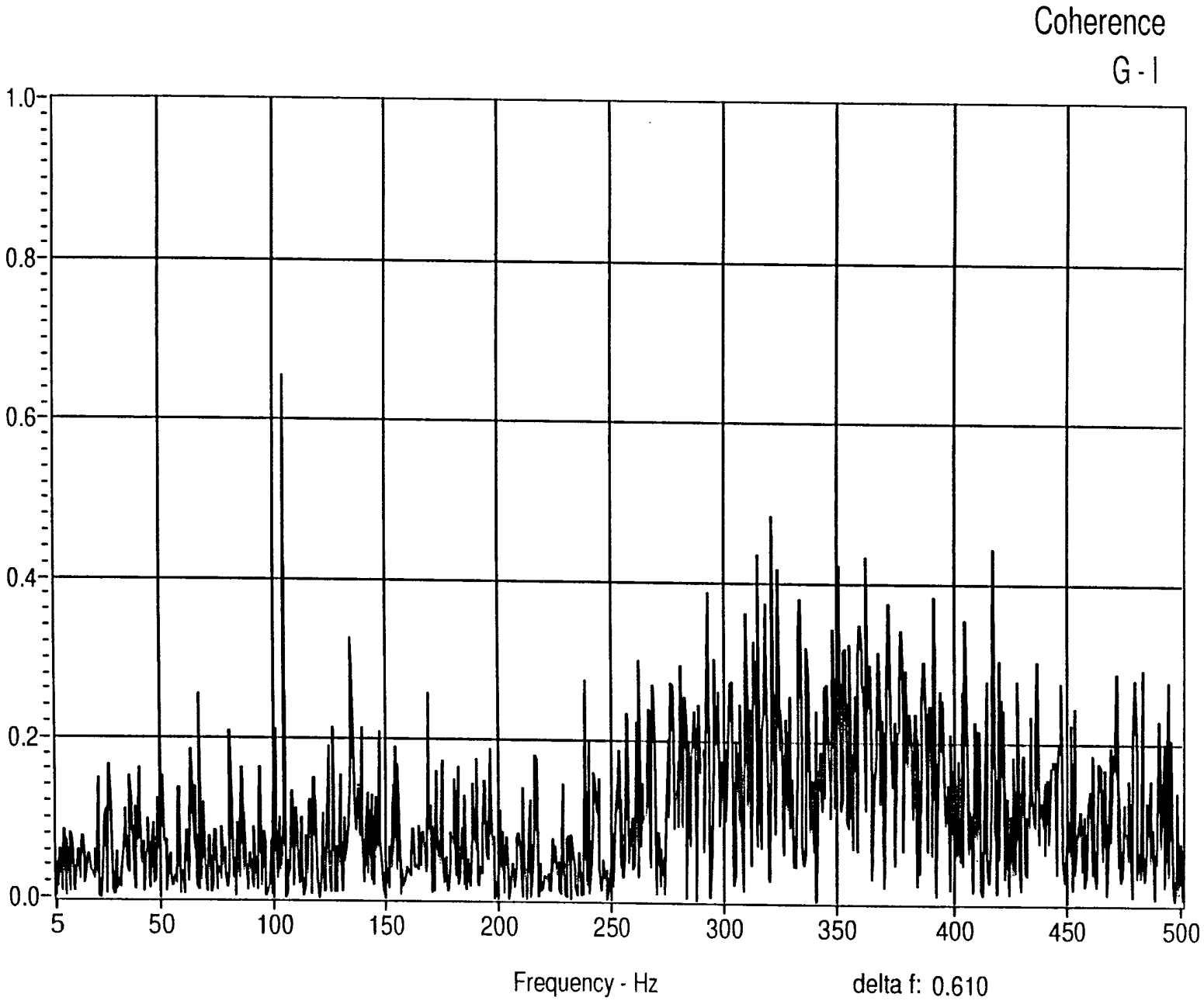


1096

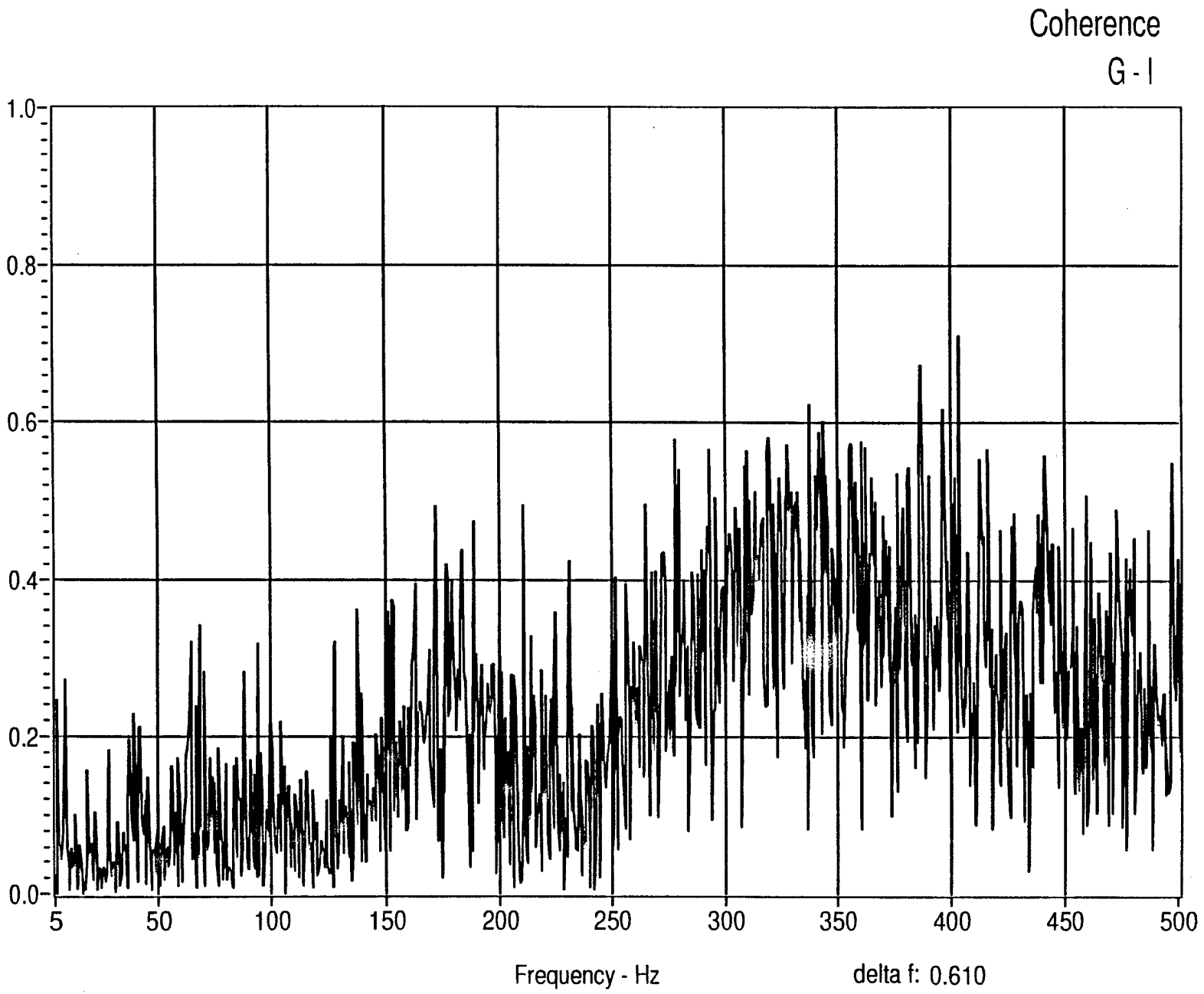
F-15 TPN_3369: alpha=8 beta=-4 bp=45



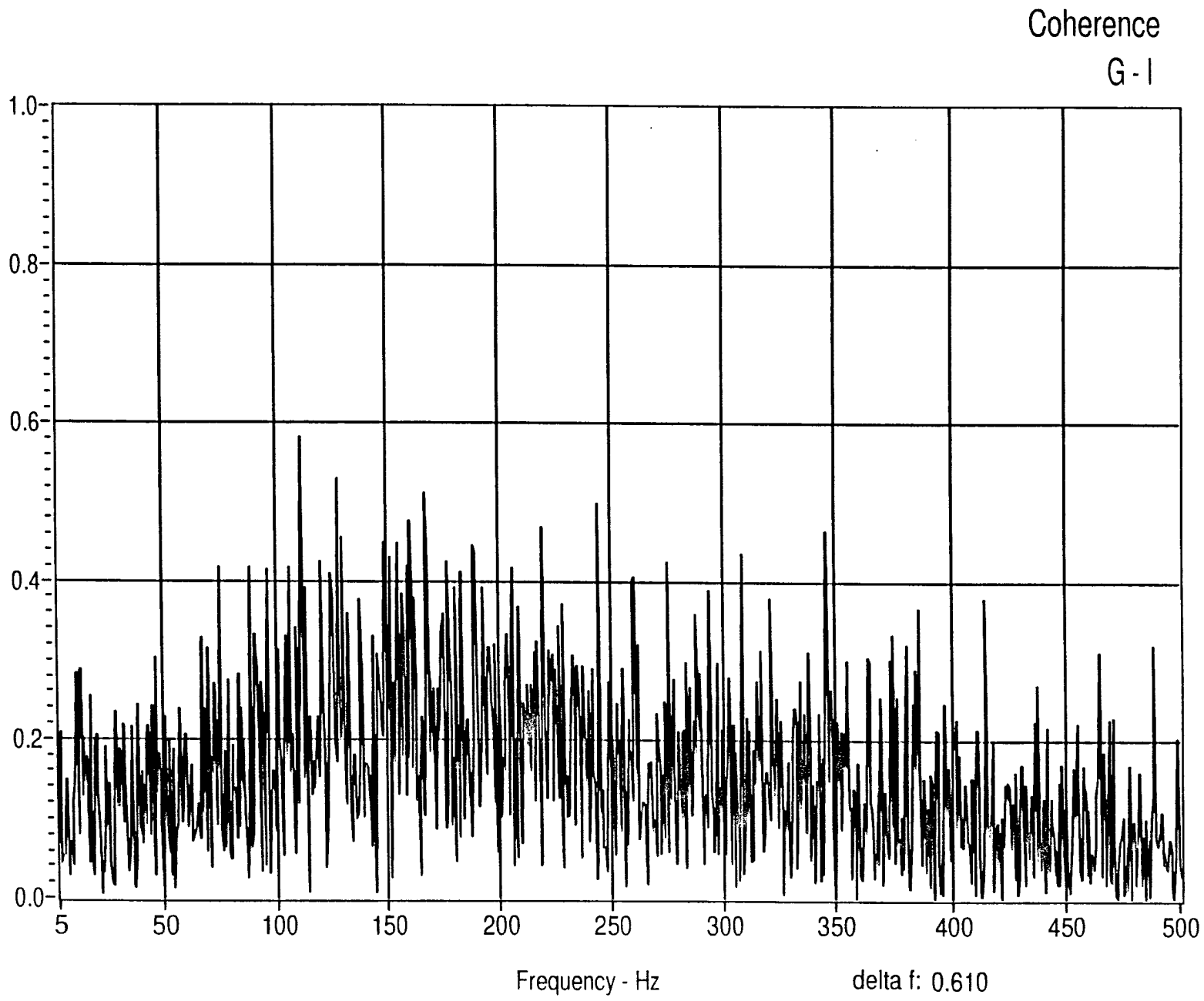
F-15 TPN_3375: alpha=20 beta=-4 bp=45



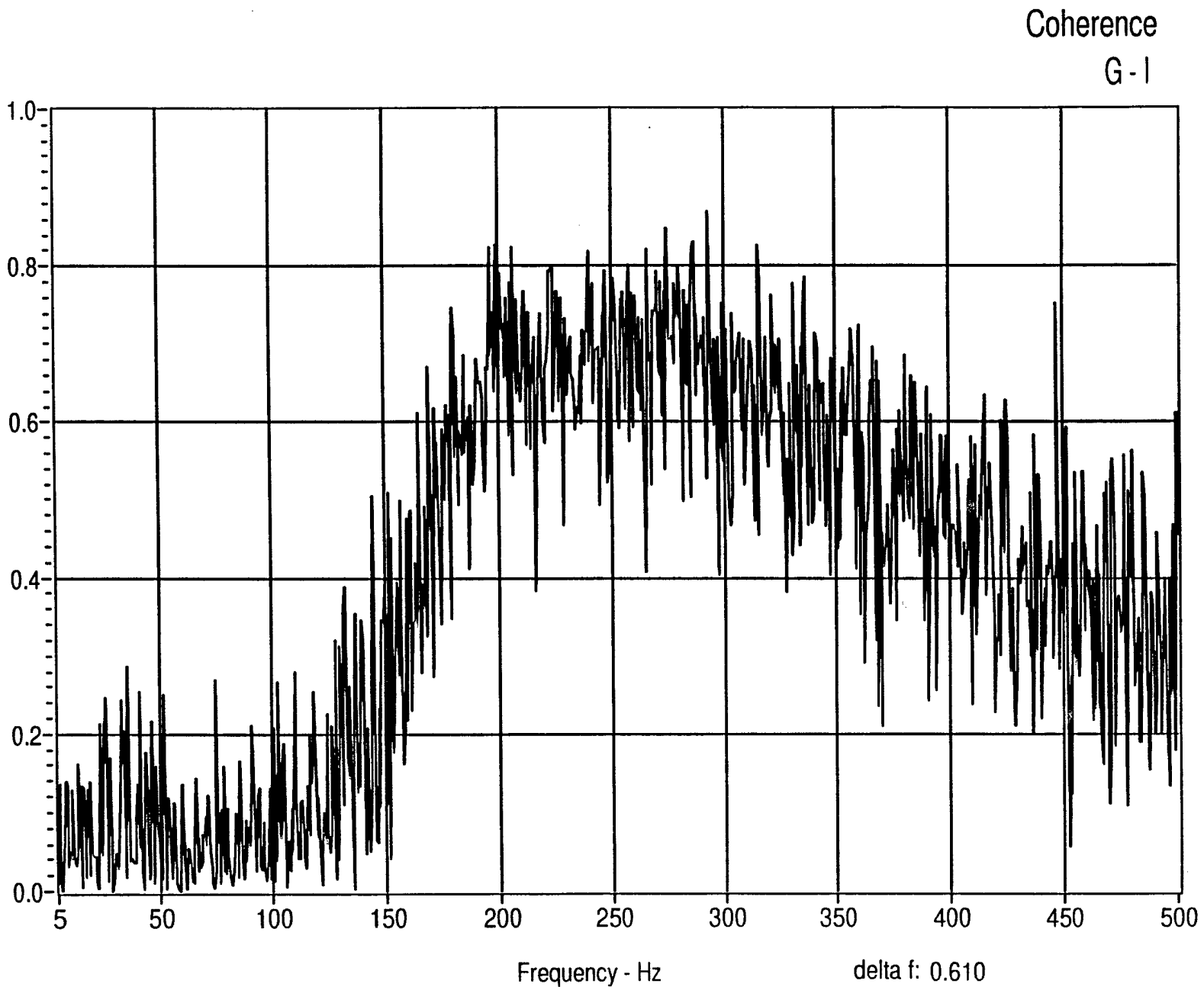
F-15 TPN_3377: alpha=24 beta=-4 bp=45



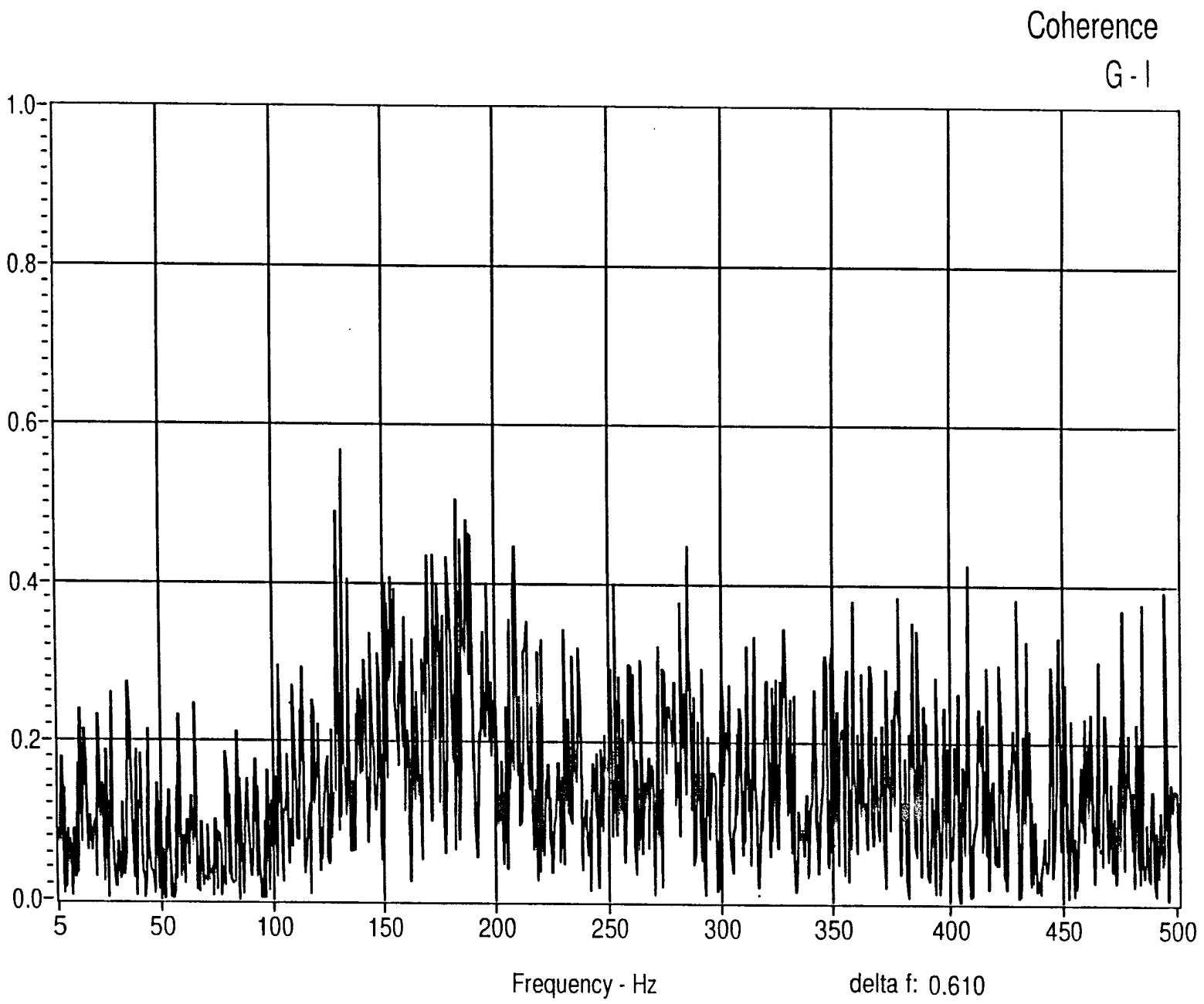
F-15 TPN_3379: alpha=32 beta=-4 bp=45



F-15 TPN_3046: alpha=20 beta=4 bp=65

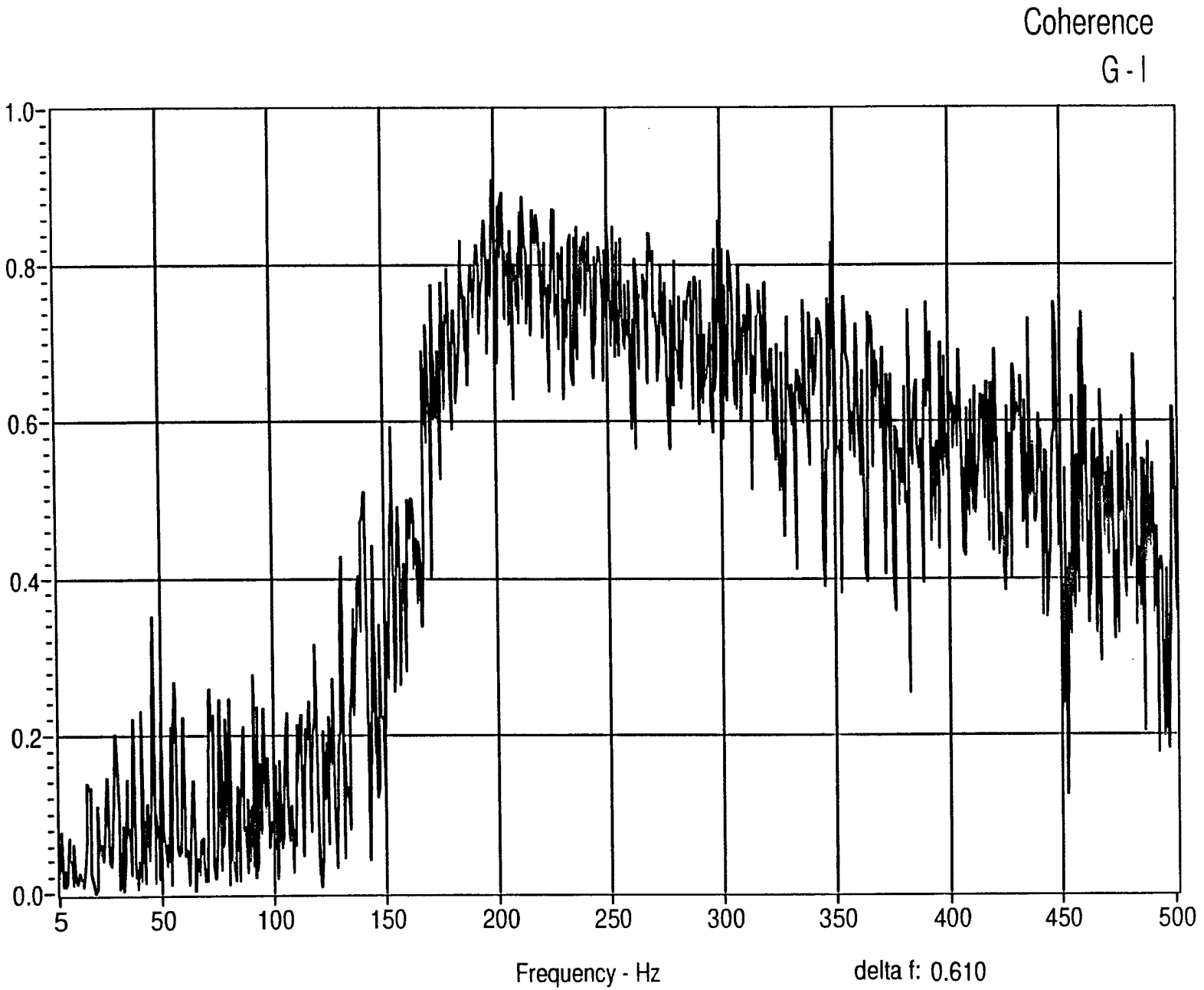


F-15 TPN_3048: alpha=24 beta=4 bp=65

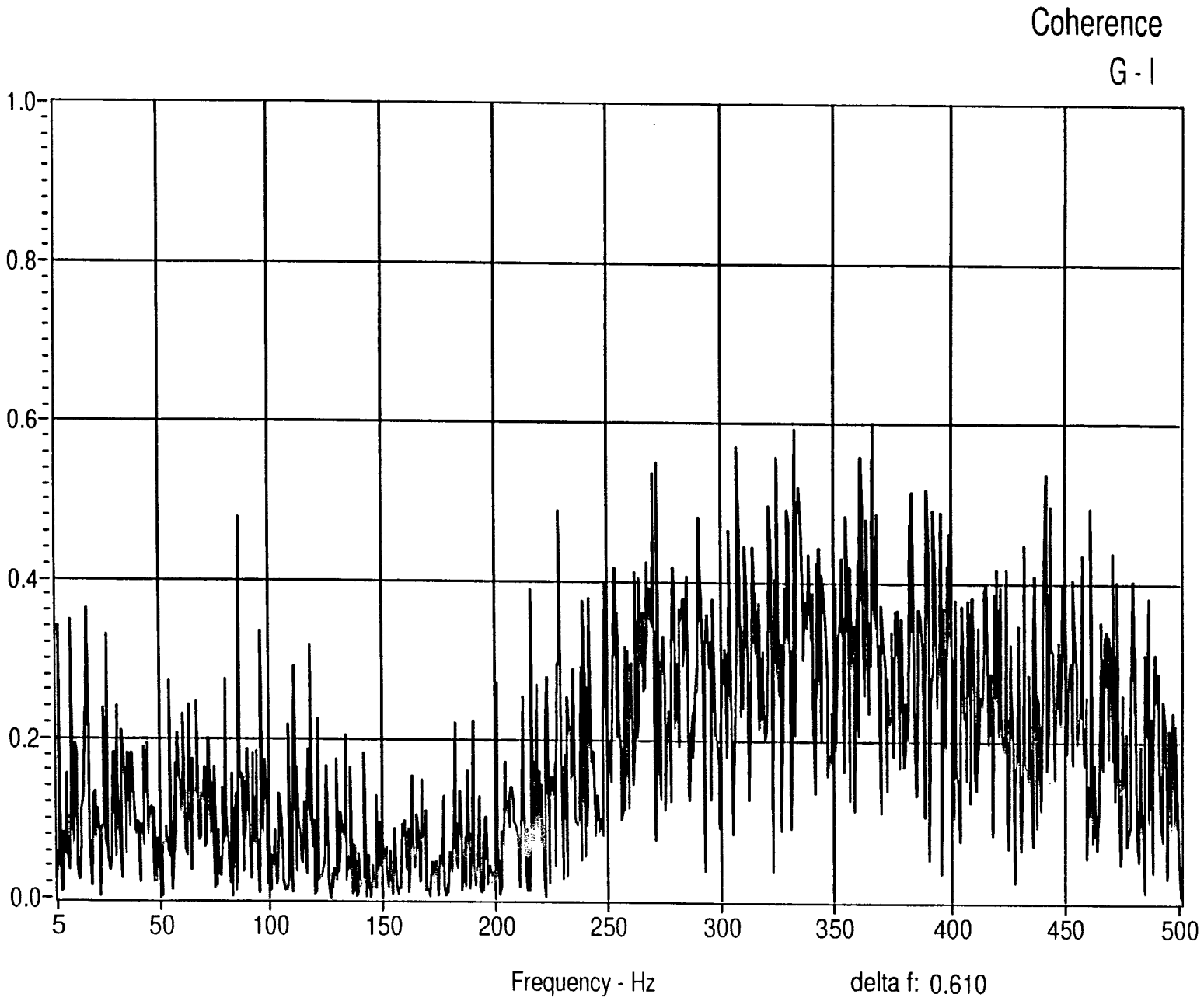


1096

F-15 TPN_3040: alpha=20 beta=0 bp=65

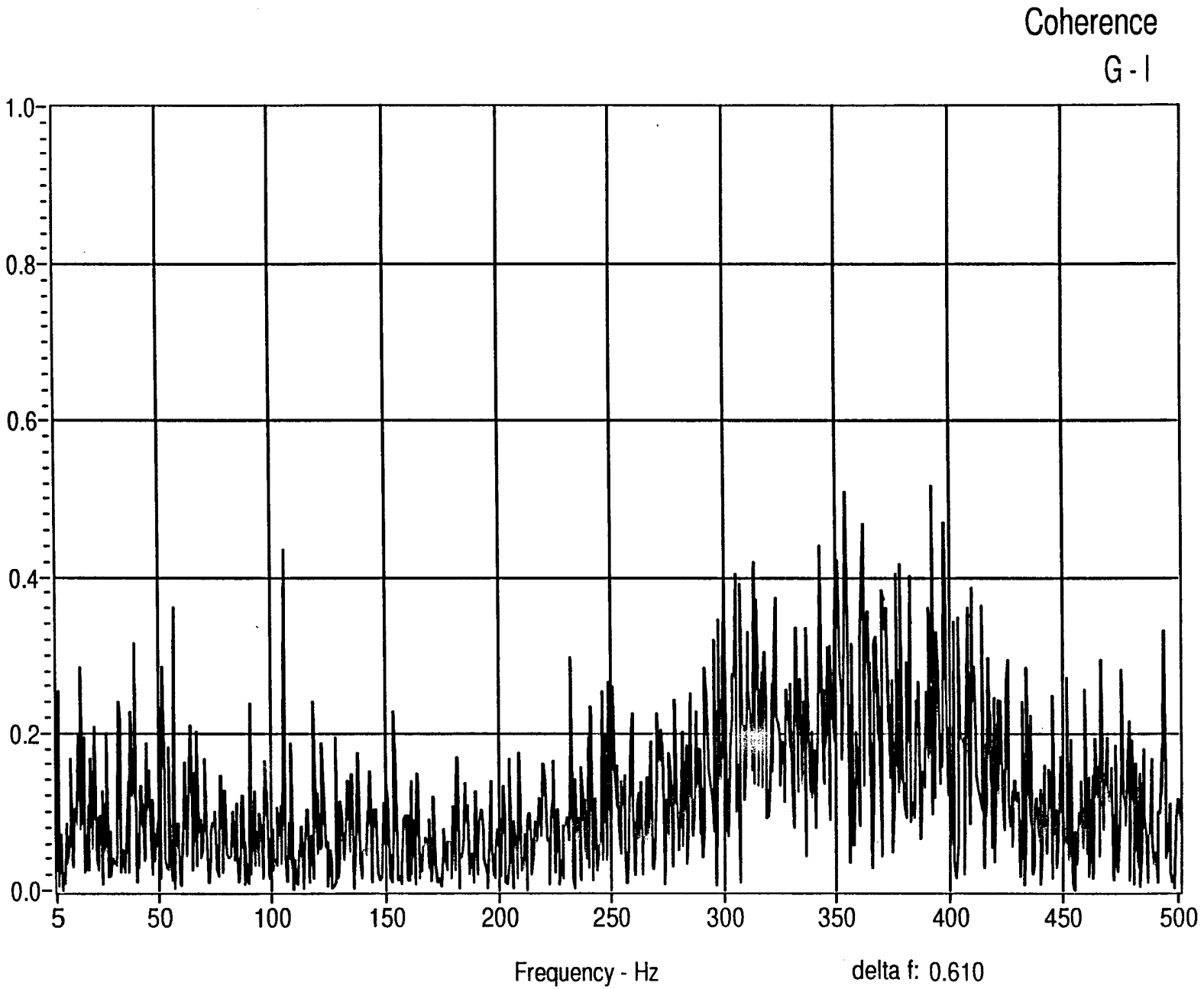


F-15 TPN_3042: alpha=24 beta=0 bp=65



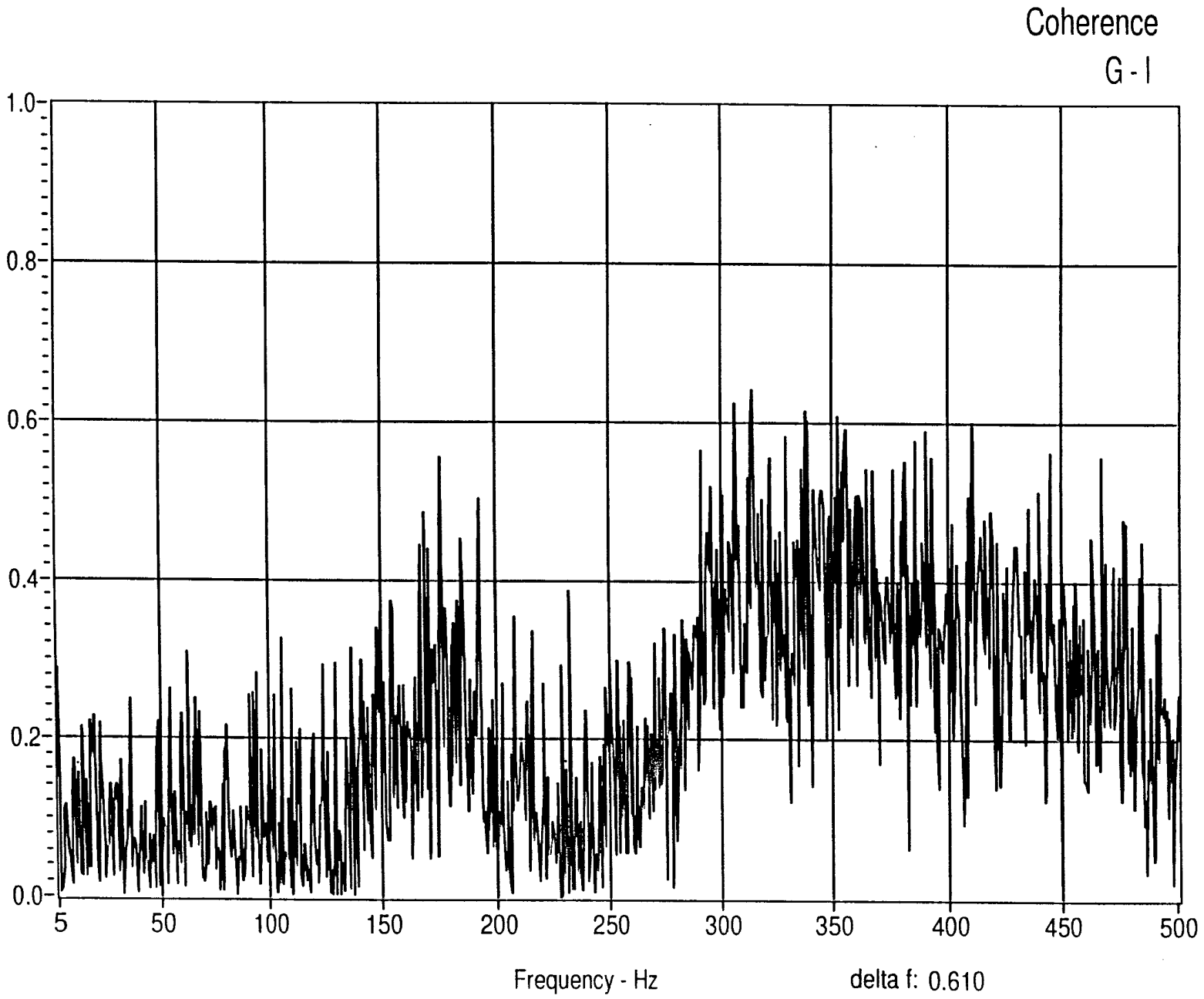
7098

F-15 TPN_3034: alpha=20 beta=-4 bp=65



10099

F-15 TPN_3036: alpha=24 beta=-4 bp=65



1100

NONDIMENSIONAL PRESSURE COEFFICIENTS

3. 0 RMS GRAPHS

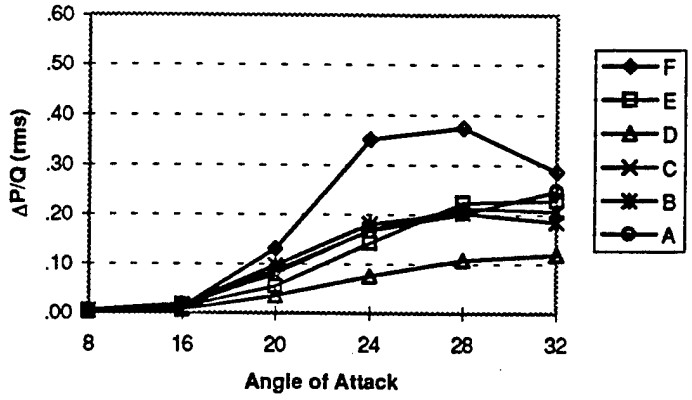
3.1 Q = 56 PSF

3.2 Q = 30 PSF

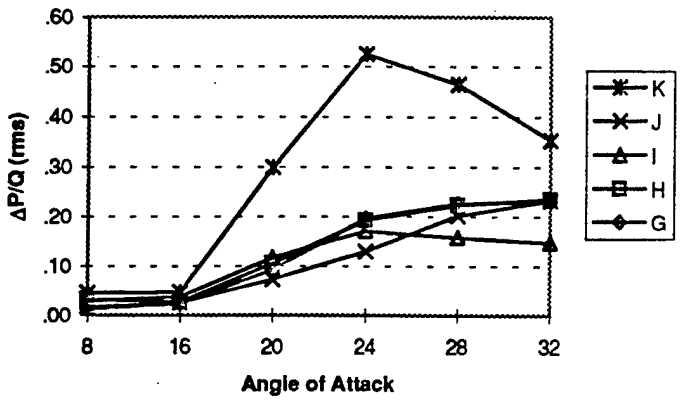
NONDIMENSIONAL PRESSURE COEFFICIENTS

3. 1 RMS GRAPHS, Q= 56 PSF

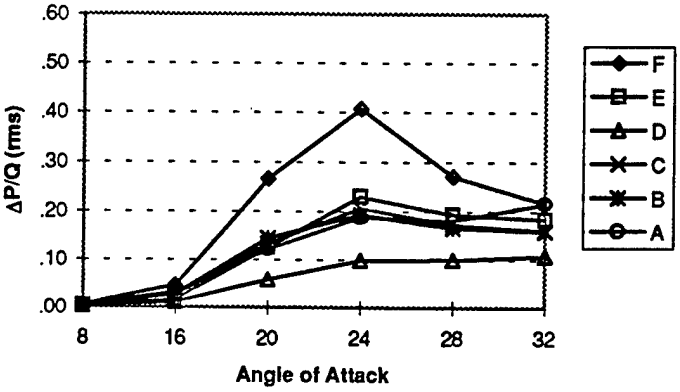
Flex Tail: Q=56 psf, Beta=0
0 psi blowing @ wing L.E.



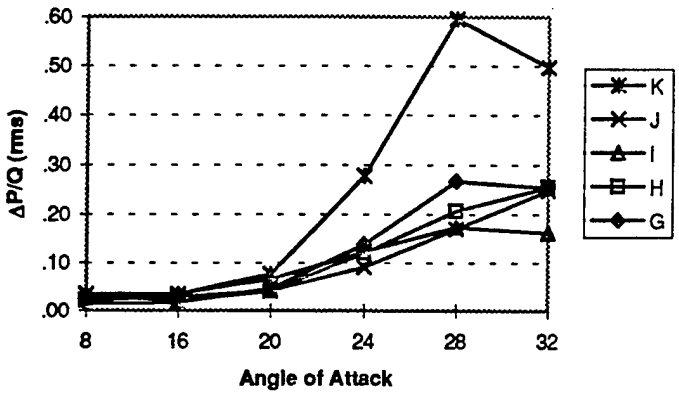
Rigid Tail: Q=56 psf, Beta=0
0 psi blowing @ wing L.E.



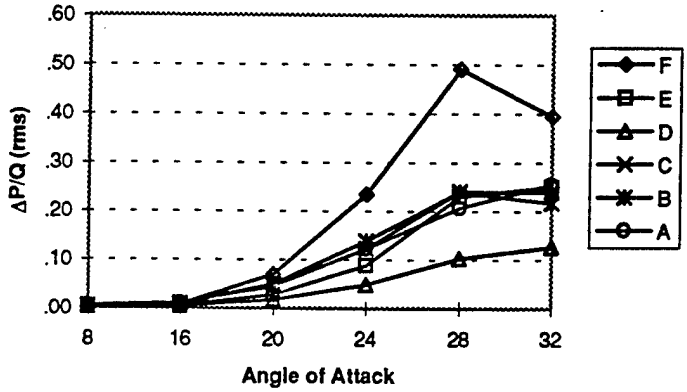
Flex Tail: Q=56 psf, Beta=-4
0 psi blowing @ wing L.E.



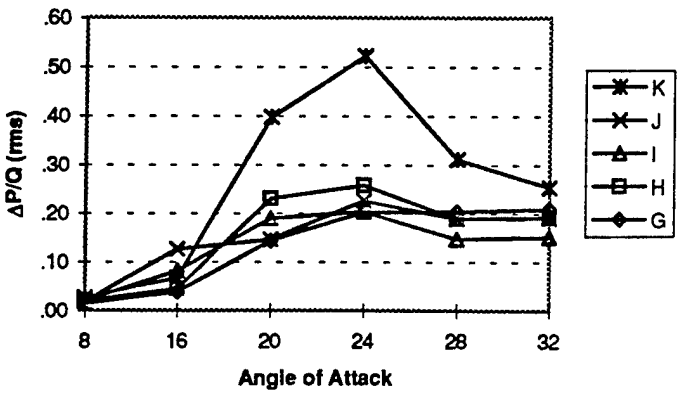
Rigid Tail: Q=56 psf, Beta=-4
0 psi blowing @ wing L.E.



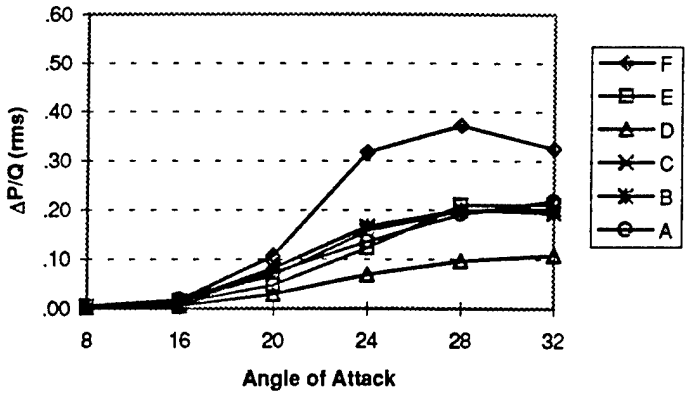
Flex Tail: Q=56 psf, Beta=4
0 psi blowing @ wing L.E.



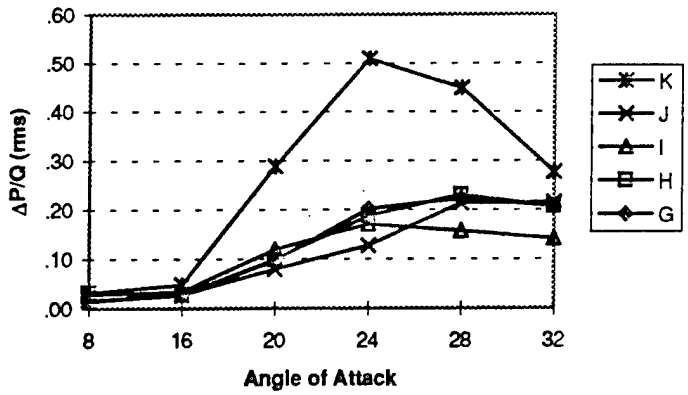
Rigid Tail: Q=56 psf, Beta=4
0 psi blowing @ wing L.E.



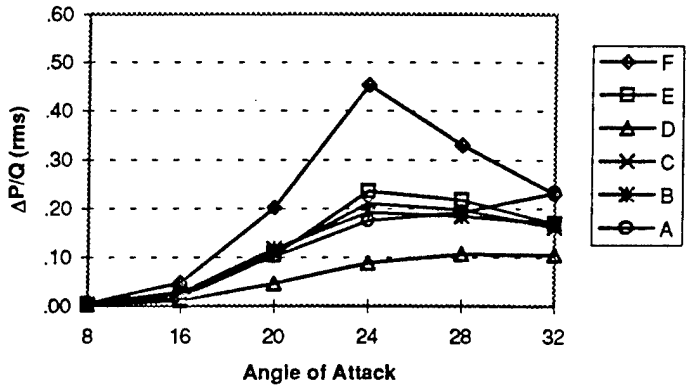
Flex Tail: Q=56 psf, Beta=0
45 psi blowing @ wing L.E.



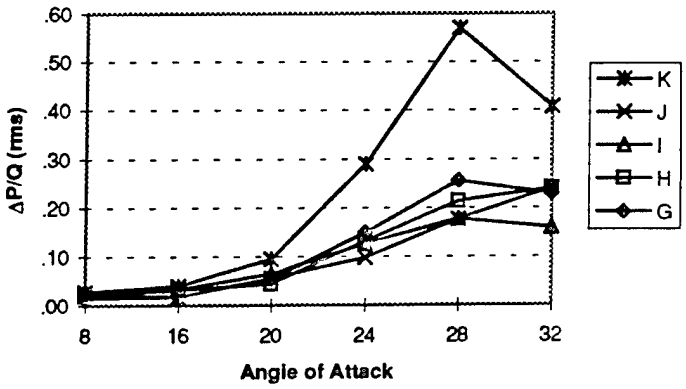
Rigid Tail: Q=56 psf, Beta=0
45 psi blowing @ wing L.E.



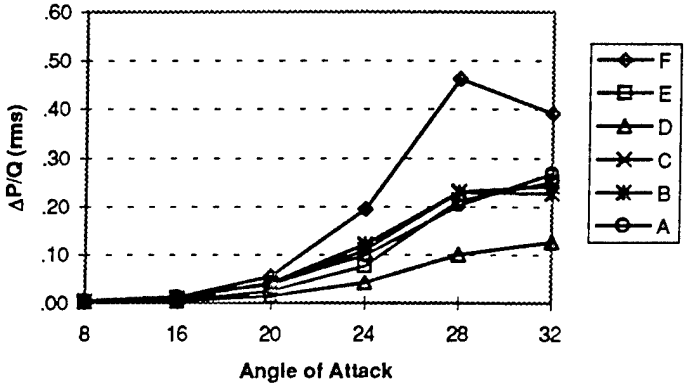
Flex Tail: Q=56 psf, Beta=-4
45 psi blowing @ wing L.E.



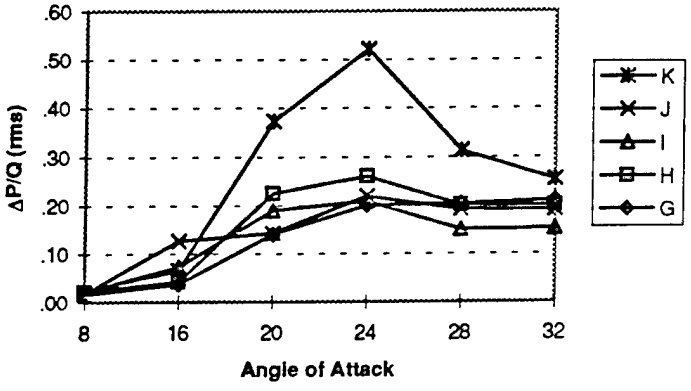
Rigid Tail: Q=56 psf, Beta=-4
45 psi blowing @ wing L.E.



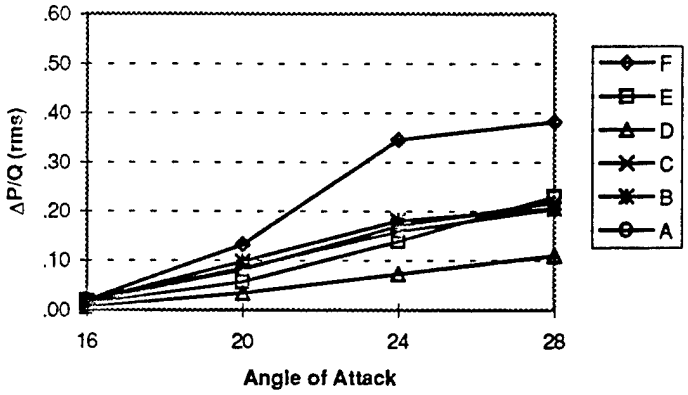
Flex Tail: Q=56 psf, Beta=4
45 psi blowing @ wing L.E.



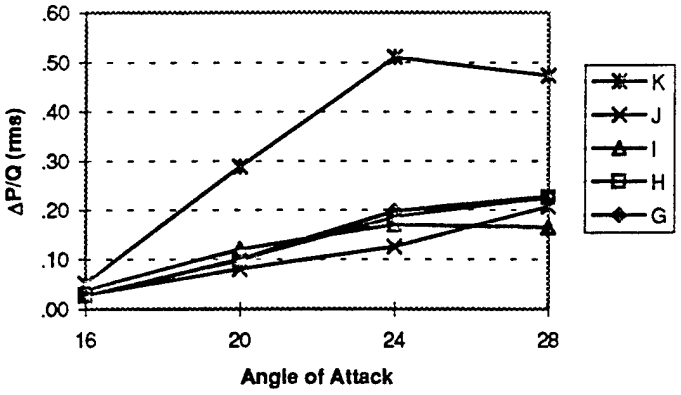
Rigid Tail: Q=56 psf, Beta=4
45 psi blowing @ wing L.E.



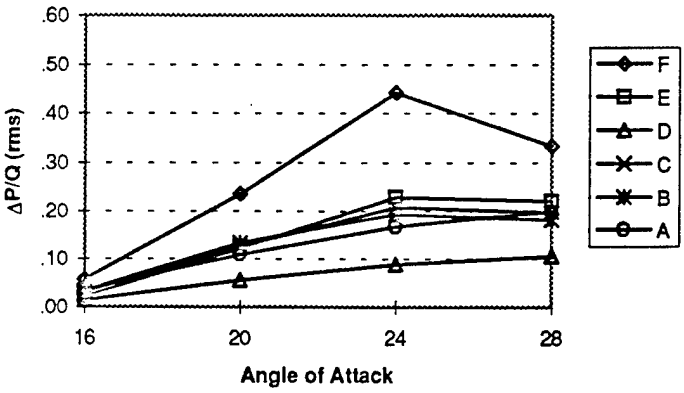
Flex Tail: Q=56 psf, Beta=0
65 psi blowing @ wing L.E.



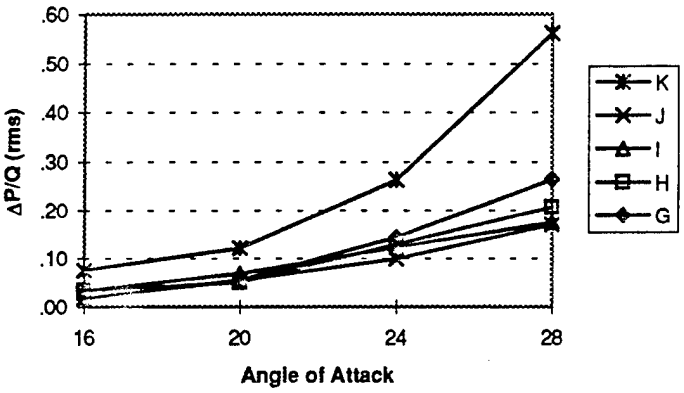
Rigid Tail: Q=56 psf, Beta=0
65 psi blowing @ wing L.E.



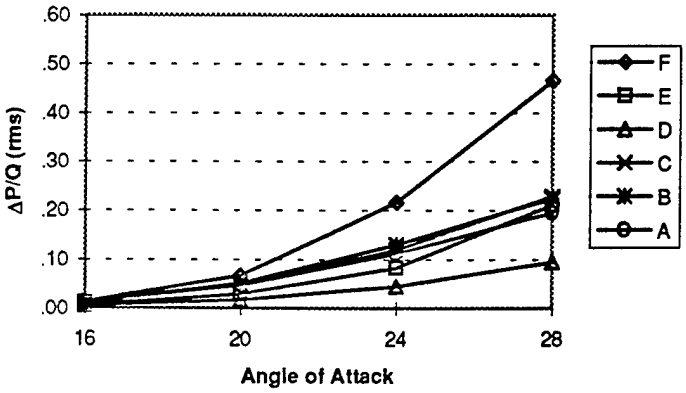
Flex Tail: Q=56 psf, Beta=-4
65 psi blowing @ wing L.E.



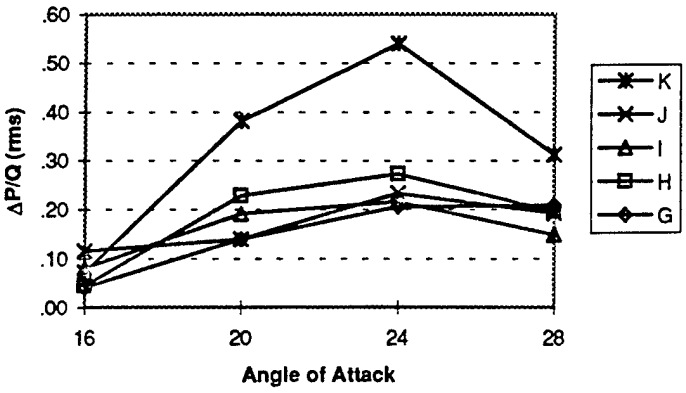
Rigid Tail: Q=56 psf, Beta=-4
65 psi blowing @ wing L.E.



Flex Tail: Q=56 psf, Beta=4
65 psi blowing @ wing L.E.

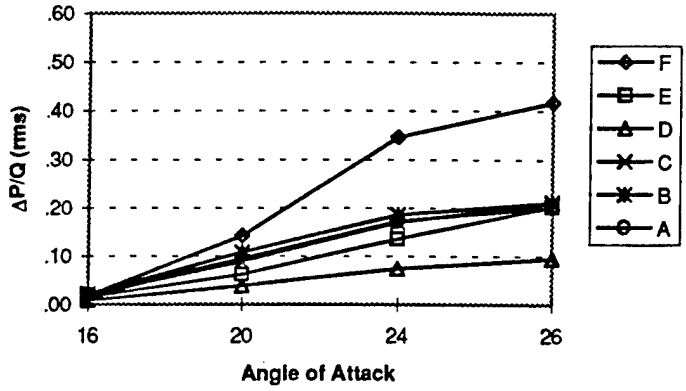


Rigid Tail: Q=56 psf, Beta=4
65 psi blowing @ wing L.E.

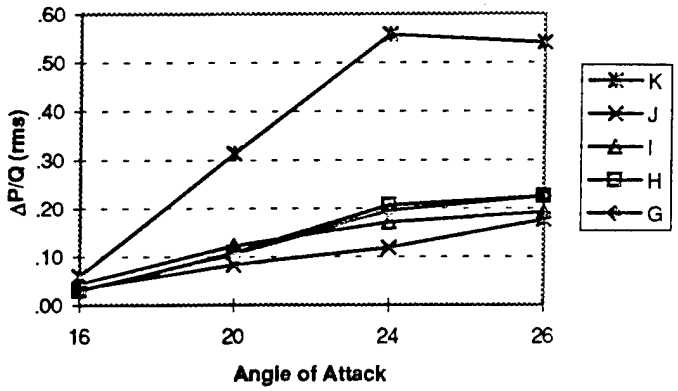


F-15 Vertical Tail Buffet Test

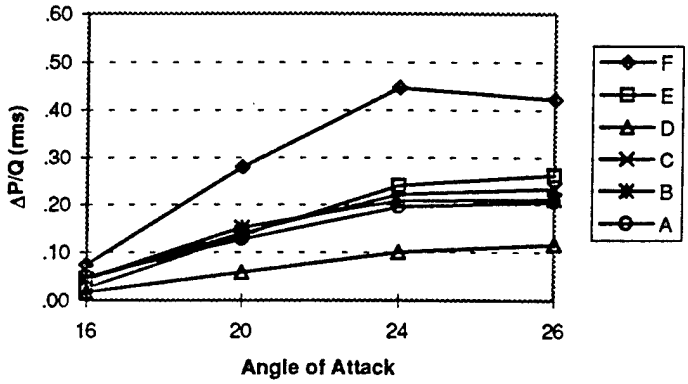
Flex Tail: Q=56 psf, Beta=0
65 psi blowing @ gun only



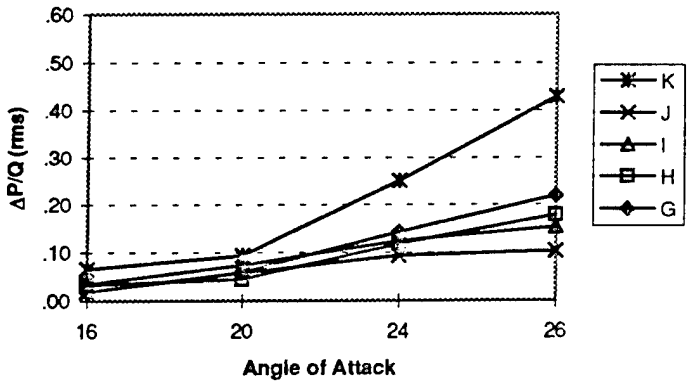
Rigid Tail: Q=56 psf, Beta=0
65 psi blowing @ gun only



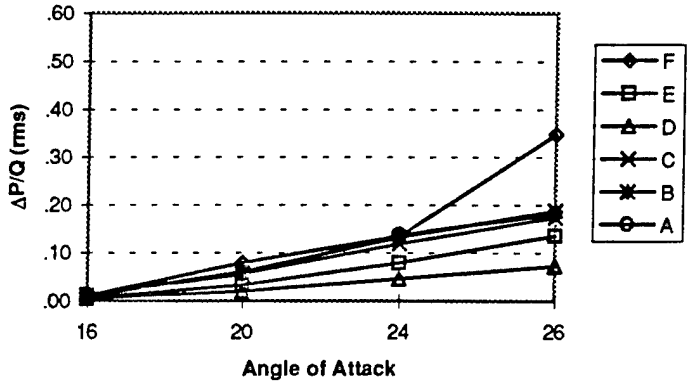
Flex Tail: Q=56 psf, Beta=-4
65 psi blowing @ gun only



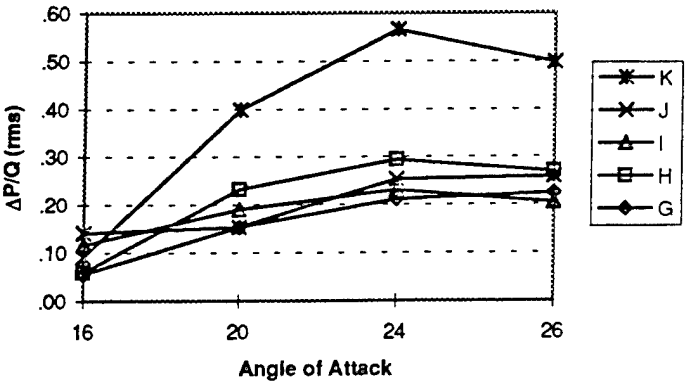
Rigid Tail: Q=56 psf, Beta=-4
65 psi blowing @ gun only



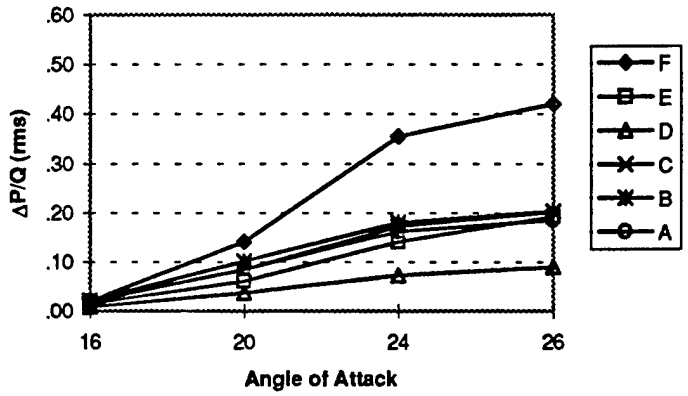
Flex Tail: Q=56 psf, Beta=4
65 psi blowing @ gun only



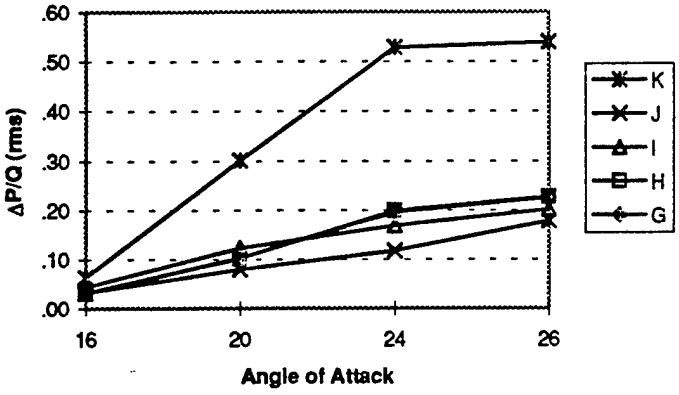
Rigid Tail: Q=56 psf, Beta=4
65 psi blowing @ gun only



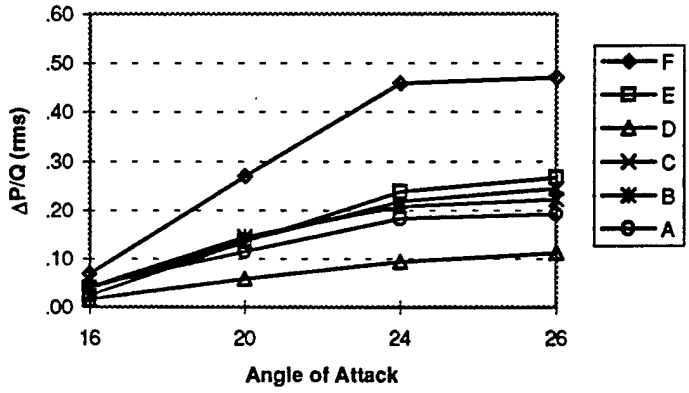
Flex Tail: Q=56 psf, Beta=0
65 psi blowing @ gun & wing L.E.



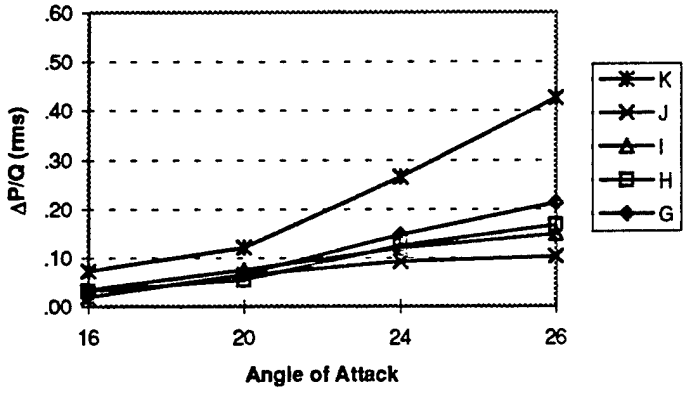
Rigid Tail: Q=56 psf, Beta=0
65 psi blowing @ gun & wing L.E.



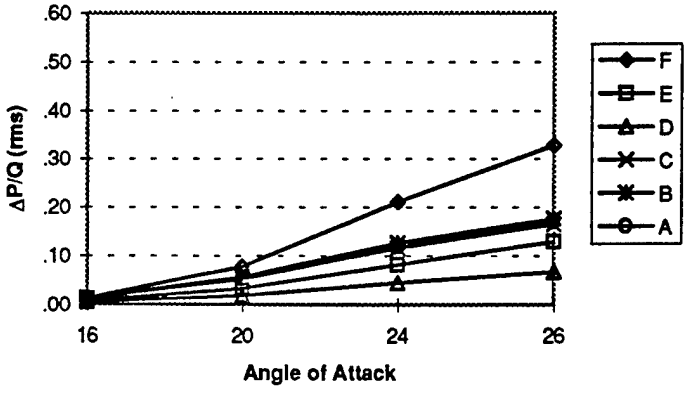
Flex Tail: Q=56 psf, Beta=-4
65 psi blowing @ gun & wing L.E.



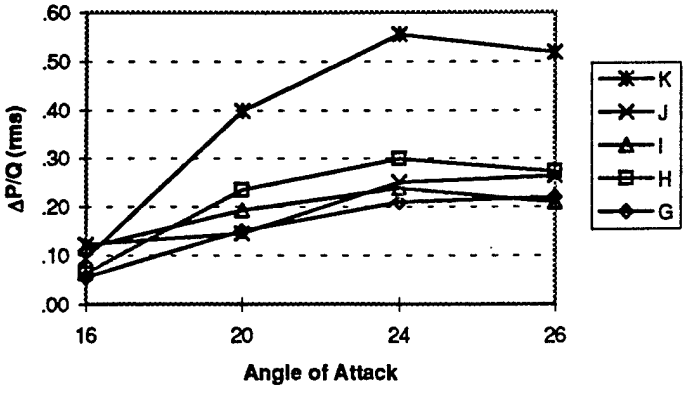
Rigid Tail: Q=56 psf, Beta=-4
65 psi blowing @ gun & wing L.E.



Flex Tail: Q=56 psf, Beta=4
65 psi blowing @ gun & wing L.E.

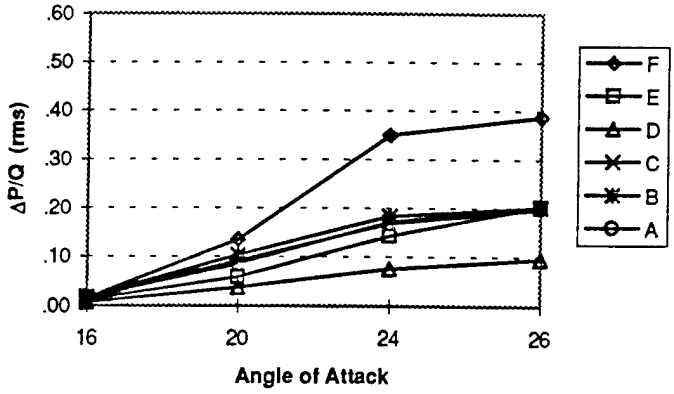


Rigid Tail: Q=56 psf, Beta=4
65 psi blowing @ gun & wing L.E.

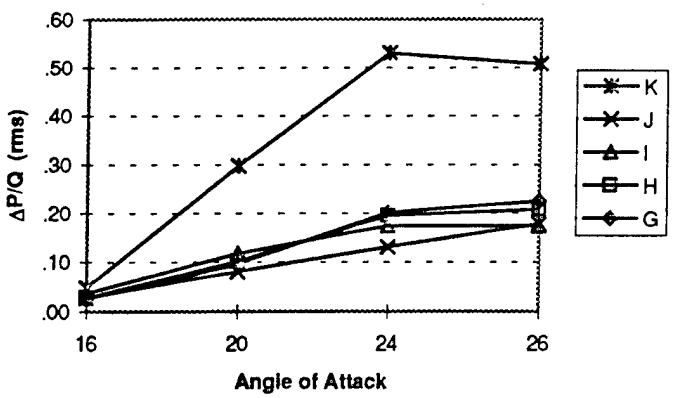


F-15 Vertical Tail Buffet Test

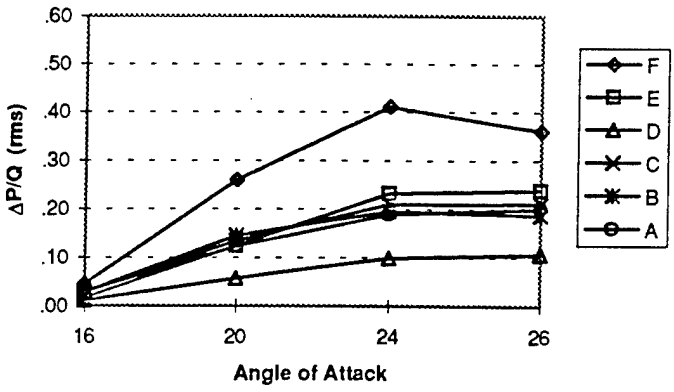
Flex Tail: Q=56 psf, Beta=0
87 psi blowing @ nose only



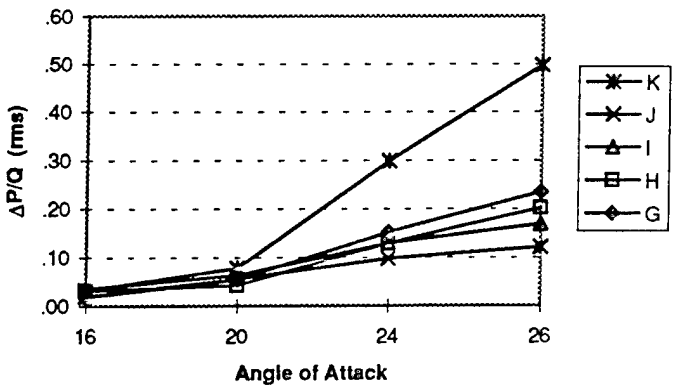
Rigid Tail: Q=56 psf, Beta=0
87 psi blowing @ nose only



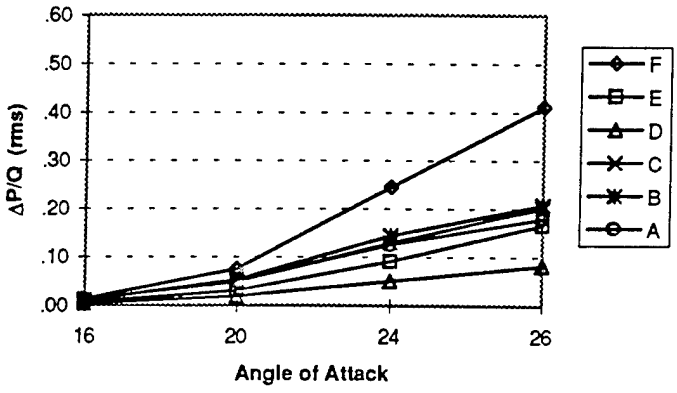
Flex Tail: Q=56 psf, Beta=-4
87 psi blowing @ nose only



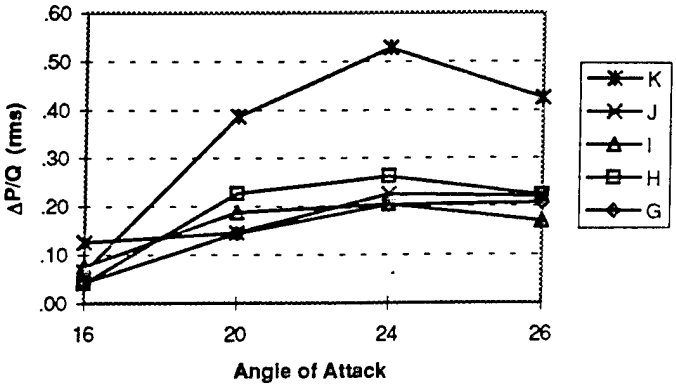
Rigid Tail: Q=56 psf, Beta=-4
87 psi blowing @ nose only



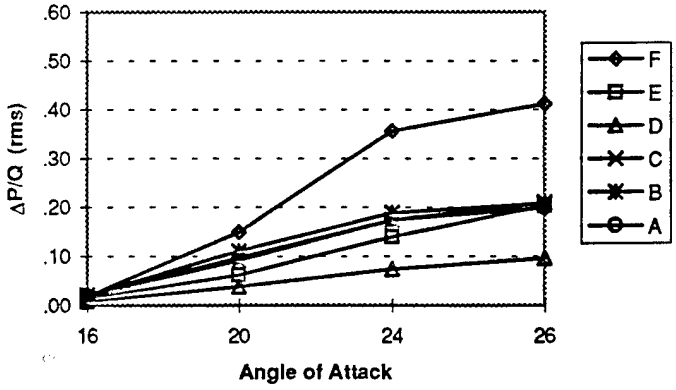
Flex Tail: Q=56 psf, Beta=4
87 psi blowing @ nose only



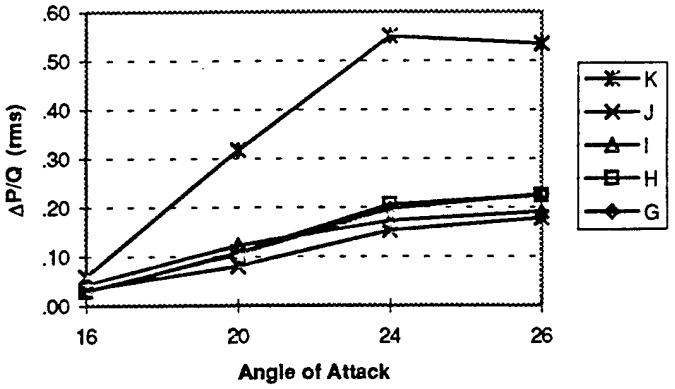
Rigid Tail: Q=56 psf, Beta=4
87 psi blowing @ nose only



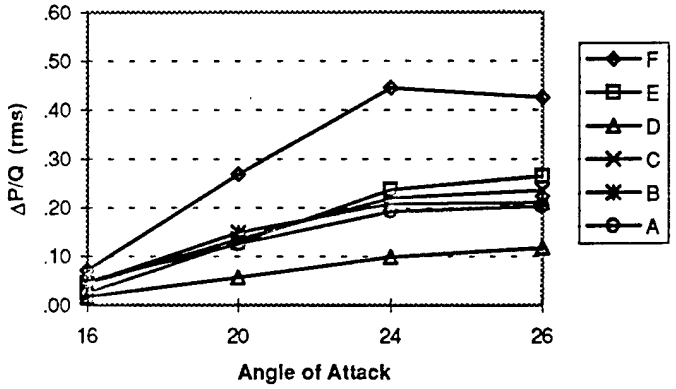
Flex Tail: Q=56 psf, Beta=0
87 psi blowing at nose & 65 psi at gun



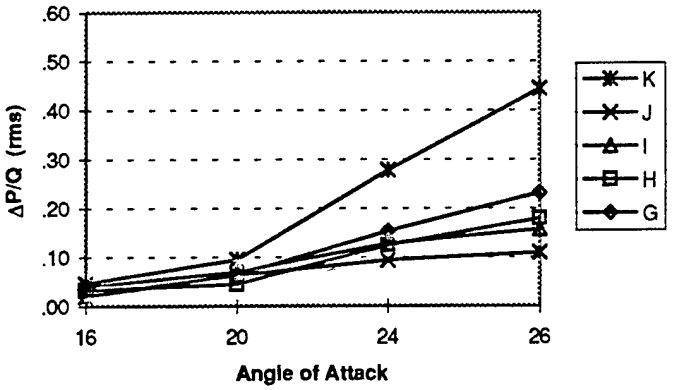
Rigid Tail: Q=56 psf, Beta=0
87 psi blowing at nose & 65 psi at gun



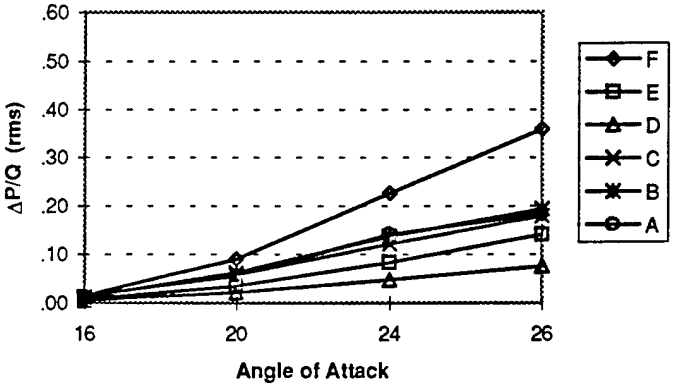
Flex Tail: Q=56 psf, Beta=-4
87 psi blowing at nose & 65 psi at gun



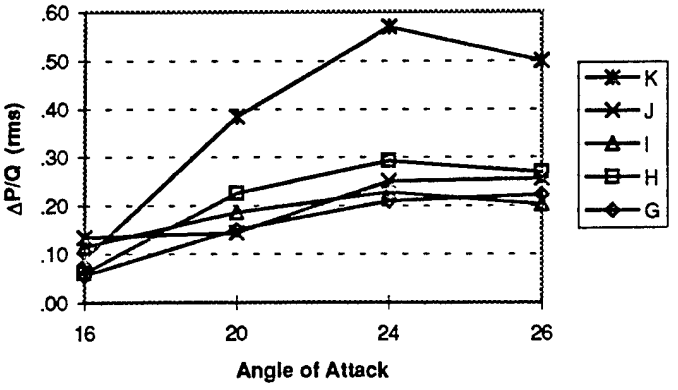
Rigid Tail: Q=56 psf, Beta=-4
87 psi blowing at nose & 65 psi at gun



Flex Tail: Q=56 psf, Beta=4
87 psi blowing at nose & 65 psi at gun

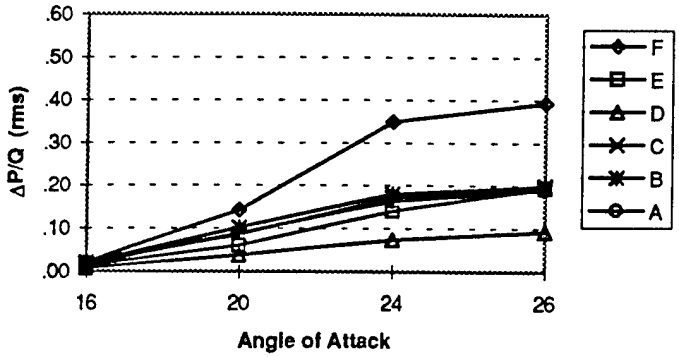


Rigid Tail: Q=56 psf, Beta=4
87 psi blowing at nose & 65 psi at gun

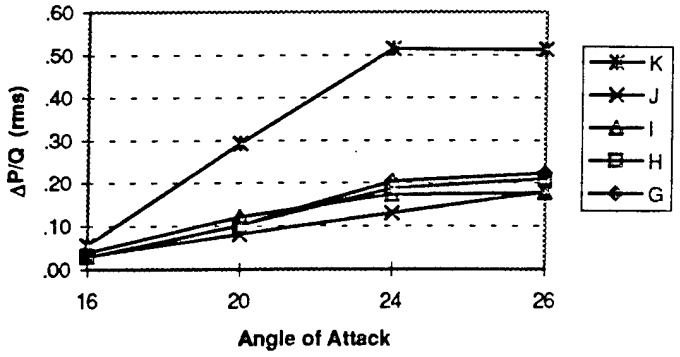


F-15 Vertical Tail Buffet Test

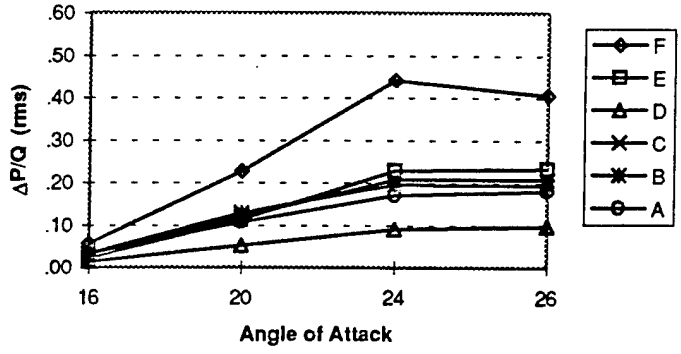
Flex Tail: Q=56 psf, Beta=0
87 psi blowing at nose &
65 psi at wing L.E.



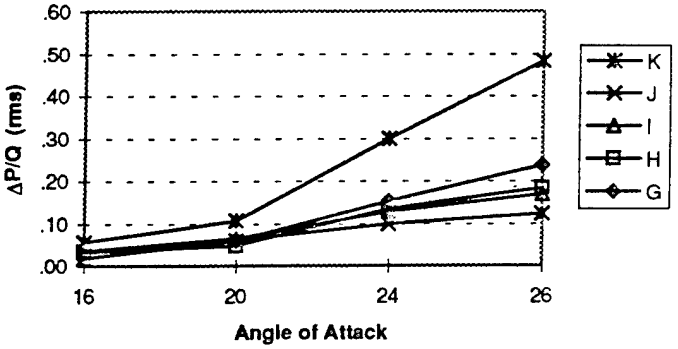
Rigid Tail: Q=56 psf, Beta=0
87 psi blowing at nose &
65 psi at wing L.E.



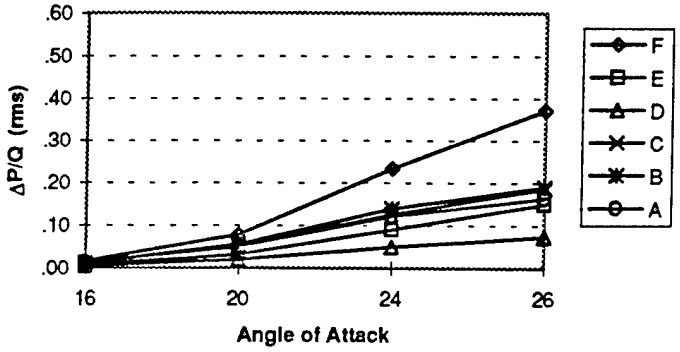
Flex Tail: Q=56 psf, Beta=-4
87 psi blowing at nose &
65 psi at wing L.E.



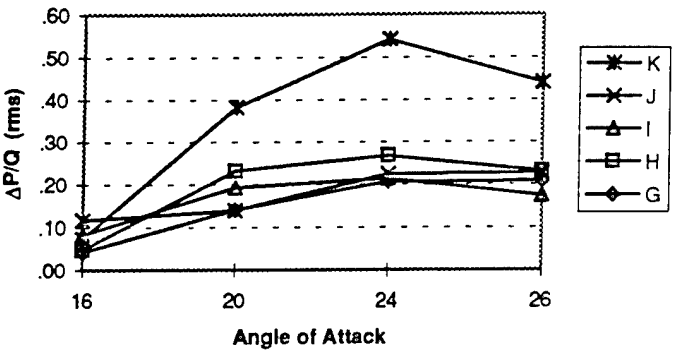
Rigid Tail: Q=56 psf, Beta=-4
87 psi blowing at nose &
65 psi at wing L.E.



Flex Tail: Q=56 psf, Beta=4
87 psi blowing at nose &
65 psi at wing L.E.



Rigid Tail: Q=56 psf, Beta=4
87 psi blowing at nose &
65 psi at wing L.E.

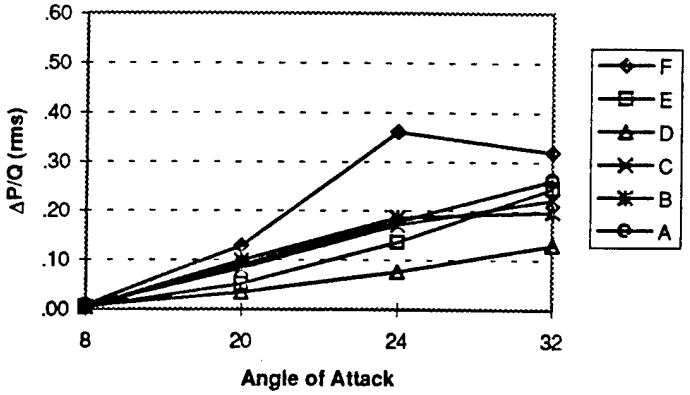


NONDIMENSIONAL PRESSURE COEFFICIENTS

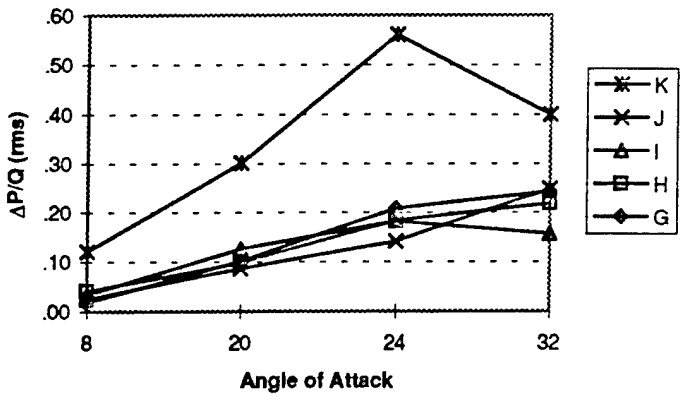
3. 2 RMS GRAPHS, Q= 30 PSF

F-15 Vertical Tail Buffet Test

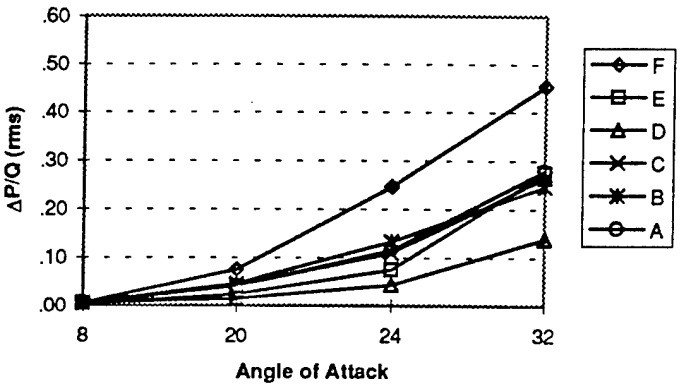
Flex Tail: Q=30 psf, Beta=0
0 psi blowing @ wing L.E.



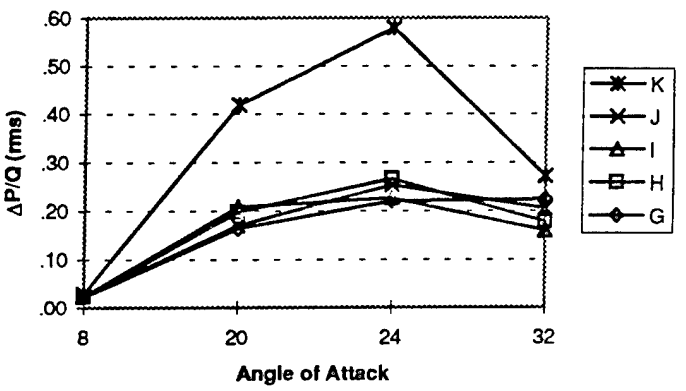
Rigid Tail: Q=30 psf, Beta=0
0 psi blowing @ wing L.E.



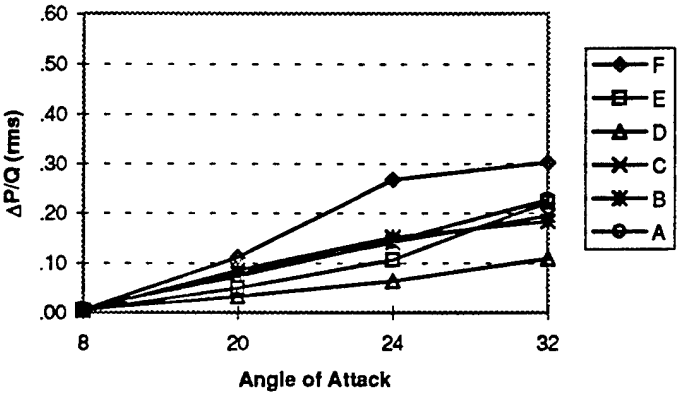
Flex Tail: Q=30 psf, Beta=4
0 psi blowing @ wing L.E.



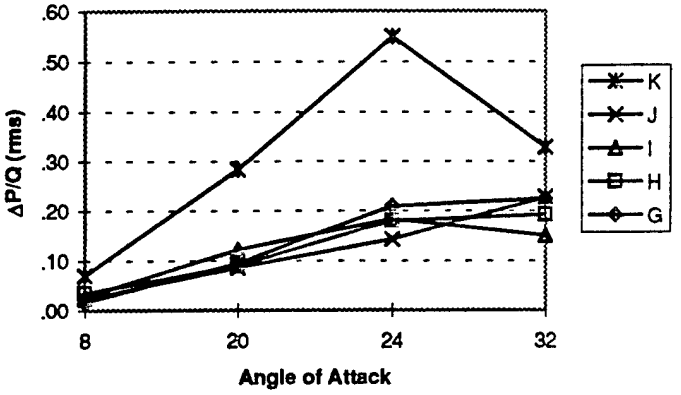
Rigid Tail: Q=30 psf, Beta=4
0 psi blowing @ wing L.E.



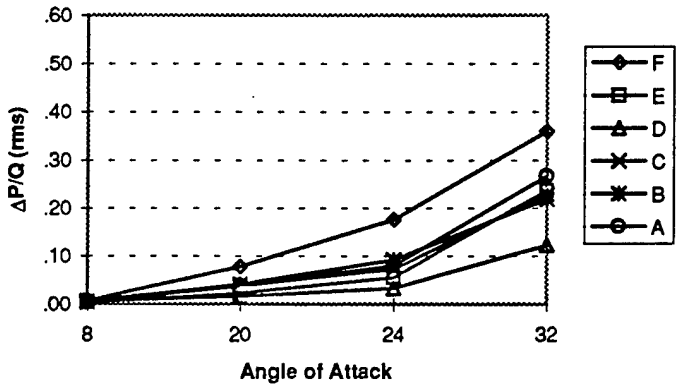
Flex Tail: Q=30 psf, Beta=0
45 psi blowing @ wing L.E.



Rigid Tail: Q=30 psf, Beta=0
45 psi blowing @ wing L.E.



Flex Tail: Q=30 psf, Beta=4
45 psi blowing @ wing L.E.



Rigid Tail: Q=30 psf, Beta=4
45 psi blowing @ wing L.E.