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TMDE MODERNIZATION PROGRAM. VOLUME II. APPENDIX E, (U)

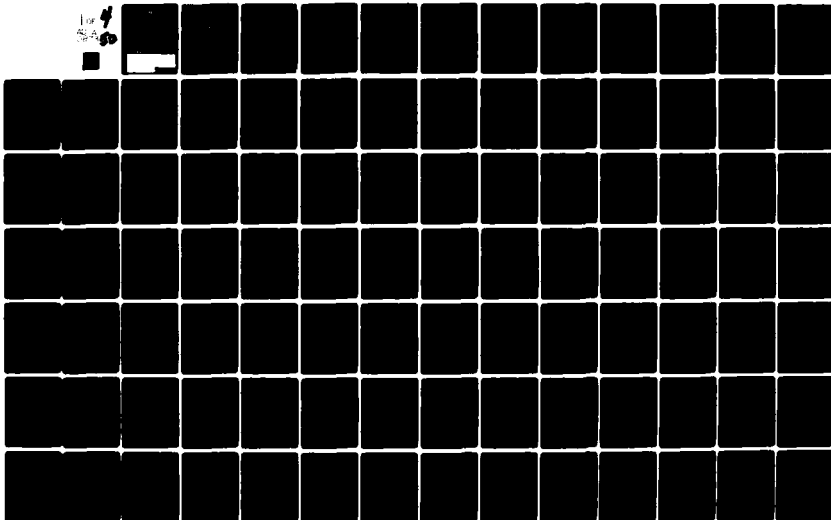
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TECHNICAL REPORT

TMDE MODERNIZATION PROGRAM

VOLUME II: APPENDIX E

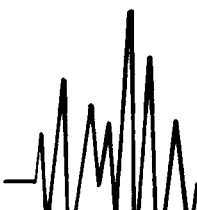
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FORT MONMOUTH, NEW JERSEY 07703
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TECHNICAL REPORT

TMDE MODERNIZATION PROGRAM

VOLUME II: APPENDIX E

June 1980

Prepared for

U.S. Army Communications and Electronics
Materiel Readiness Command
Fort Monmouth, New Jersey 07703
under Contract DAAB07-78-A-6606/BG02

by

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R. Kavanaugh
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FOREWORD

This technical report describes the work performed by ARINC Research Corporation during May and June 1980 for the U.S. Army Communications and Electronics Materiel Readiness Command (CERCOM), Fort Monmouth, New Jersey, under Contract DAAB07-78-A-6606/BG02. It presents the background, objectives, technical approach, and results of Subtasks 4A, 4B, and 4C. Other tasks assigned under the contract will be summarized in a separate report.

ARINC Research Corporation wishes to express its appreciation for the cooperation and assistance provided by Mr. Richard E. Pribyl of the Directorate of Maintenance Engineering, Special Equipment Support Division, CERCOM. We also wish to thank Mr. Eli J. Dworkin, Chief, Special Equipment Support Division, for his interest and guidance during the project.

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APPENDIX E

LR AND SPECIFICATION ANALYSIS

In this appendix the technical characteristics of each LR and its companion OTS ETE specification are displayed by specific parameter. This arrangement facilitates determination of the compatibility between the LR and the specification. The data are in OTS ETE specification number sequence.

06/19/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DC-15MHZ

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME-----				
SI		00100		
		0000	0101	OSCILLOSCOPE,DC-15MHZ
	100001024051	00	5200	OSCILLOSCOPE,DC-15MHZ
CLASSIFICATION-----				
SI		00105		
		0000	0101	TYPE III,CLASS 5,COLOR R STYLE E PER MIL-T-28800
	100001024051	00	5200	TYPE III,CLASS 5,COLOR R STYLE E PER MIL-T-28800
DIMENSIONS IN MM/INS-----				
SI		00110		
		0000	0101	0.043 CUBIC METERS/2624 CUBIC INCHES
	100001024051	00	5200	0.043 CUBIC METERS/2624 CUBIC INCHES
WEIGHT IN KG/LBS-----				
SI		00120		
		0000	0101	10KG/22LBS
	100001024051	00	5200	10KG/22LBS
PWR SUPPLY: ES3/CONSUMPTION 00140-----				
SI		00140		
		0000	0101	50,60 & 400HZ S-PHASE 115/230VAC
	100001024051	00	5200	50,60 & 400HZ S-PHASE 115/230VAC
READING IN MM/INS-----				
SI		00150		
		0000	0101	CRT,GRATICULE 10 BY 6CM
	100001024051	00	5200	CRT,GRATICULE 10 BY 6CM
TEMP OPER/MON-OPERATING 00210-----				
SI		00210		
		0000	0101	-55 TO 75 DEG C

06/19/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DC-15MHZ

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
TEMP OPERATING-OPERATING 00210				
	198201824051	00	5200	7-55 TO 75 DEG C
BANDWIDTH 05200				
51		000	0101	DC TO 15MHZ
	198201824051	00	5200	DC TO 15MHZ
DUAL TRACE 20000				
51		000	0101	DUAL TRACE CAPABILITY
	198201824051	00	5200	DUAL TRACE CAPABILITY
RISE TIME 61000				
51		000	0101	20NSEC MAX
	198201824051	00	5200	20NSEC MAX
SENSITIVITY 63600				
51		000	0101	5MV OR LESS/DIV TO 10V/DIV
	198201824051	00	5200	5MV OR LESS/DIV TO 10V/DIV
SWEEP RATE 71200				
51		000	0101	0.5USEC TO 1.0SEC PER DIV IN 5.2.1 SEQUENCE
	198201824051	00	5200	0.5USEC TO 1.0SEC PER DIV IN 5.2.1 SEQUENCE

06/19/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DUAL TRACE, DC-100MHZ

SPEC NR	LR	FAM CODE	ID NP	PARAMETER
EQUIPMENT NAME 00100				
S2		001	9102	OSCILLOSCOPE,DUAL TRACE,DC-100MHZ
	198701R25052	001	5201	OSCILLOSCOPE,DUAL TRACE,DC-100MHZ
CLASSIFICATION 00105				
S2		001	9102	TYPE III,CLASS 5,COLOR R,STYLE C,PER MIL-T-20800
	198701P25052	001	5201	TYPE III,CLASS 5,COLOR R,STYLE F,PER MIL-T-20800
DIMENSIONS IN MM/INS 00110				
S2		001	9102	0.043 CUBIC METERS/2600 CUBIC INCHES
	198701R25052	001	5201	0.043 CUBIC METERS/2600 CUBIC INCHES
WEIGHT IN KG/LBS 00120				
S2		001	9102	10KG/22LBS
	198701R25052	001	5201	10KG/22LBS
PWR SOURCE(S)/CONSUMPTION 00140				
S2		001	9102	50,60 & 400HZ S-PHASE 115/230VAC
	198701R25052	001	5201	50,60 & 400HZ S-PHASE 115/230VAC
READOUT W/TIME(S) 00160				
S2		001	9102	CRT,GRATICLE 8 BY 10CM
	198701R25052	001	5201	CRT,GRATICLE 8 BY 10CM
TEMP OPER/MIN-OPERATING 00210				
S2		001	9102	-55 TO 75 DEG C

06/19/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DUAL TRACE, DC-100MHZ

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
TEMP OPER/MON-OPERATING 00210				
	19829LR25052	001	5201	-55 TO 75 DEG C
BANDWIDTH 05200				
	19829LR25052	001	0102	DC TO 100MHZ
	19829LR25052	001	5201	DC TO 100MHZ
DUAL TRACE 20000				
	19829LR25052	001	0102	DUAL TRACE CAPABILITY
	19829LR25052	001	5201	DUAL TRACE CAPABILITY
RISE TIME 61000				
	19829LR25052	001	0102	3.5 NSEC MAXIMUM
	19829LR25052	001	5201	3.5 NSEC MAXIMUM
SENSITIVITY 61600				
	19829LR25052	001	0102	5MV MAXIMUM/DIVICM, VARIABLE TO 5V OR MORE/DIVICM
	19829LR25052	001	5201	5MV MAXIMUM/DIVICM, VARIABLE TO 5V OR MORE/DIVICM
SWEEP RATE 73200				
	19829LR25052	001	0102	VARIABLE FROM 0.05SEC/DIVICM TO 0.5SEC/DIVICM
	19829LR25052	001	5201	VARIABLE FROM 0.05SEC/DIVICM TO 0.5SEC/DIVICM

06/19/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DUAL TRACE, STORAGE

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
EQUIPMENT NAME 00100					
S3		004	9103	OSCILLOSCOPE,DUAL TRACE,STORAGE	
	198201026053	004	5202	OSCILLOSCOPE,DUAL TRACE,STORAGE	
CLASSIFICATION 00105					
S3		004	9103	TYPE III,CLASS 5,COLOR R,CLASS E,PER MIL-T-20800	
	198201026053	004	5202	TYPE III,CLASS 5,COLOR R,CLASS E,PER MIL-T-20800	
DIMENSIONS IN MM/INS 00101					
S3		004	9103	0.043 CUBIC METERS/2600 CUBIC INCHES	
	198201026053	004	5202	0.043 CUBIC METERS/2600 CUBIC INCHES	
WEIGHT IN KG/LBS 00120					
S3		004	9103	14KG/31LBS	
	198201026053	004	5202	14KG/31LBS	
PWR SUPPLY ES1/CONSUMPTION 00140					
S3		004	9103	50,60 & 400HZ S-PHASE 115/230VAC	
	198201026053	004	5202	50,60 & 400HZ S-PHASE 115/230VAC	
READOUT ME TIME/ES 00160					
S3		004	9103	CRT,GRATICULE	
	198201026053	004	5202	CRT,GRATICULE	
TEMP OPER/MIN-OPERATING 00210					
S3		004	9103	-55 TO 75 DEG C	

FAMILY NAME - OSCILLOSCOPE - DUAL TRACE, STORAGE

LR/SPECIFICATION ANALYSES

06/19/80

ACCURACY - PCI -
OR AS STATED

SPEC NR	LR	FAM CODE	TD NP	PARAMETER
TEMP OPER/MON-OPERATING 00310				
	100201026053	004	5202	-55 TO 75 DEG C
BANDWIDTH				
		05200		
S3		004	9103	DC TO 100MHZ
	100201026053	004	5202	DC TO 100MHZ
DUAL TRACE				
		20000		
S3		004	9103	DUAL TRACE CAPABILITY
	100201026053	004	5202	DUAL TRACE CAPABILITY
RISE TIME				
		61000		
S3		004	9103	3.5NSEC OR LESS
	100201026053	004	5202	3.5NSEC OR LESS
SENSITIVITY				
		61000		
S3		004	9103	5MV/DIVICM) VARIABLE TO 5V/DIVICM)
	100201026053	004	5202	5MV/DIVICM) VARIABLE TO 5V/DIVICM)
STORAGE				
		60000		
S3		004	9103	TRACES OPERABLE IN EITHER STORAGE OR NON-STORAGE
	100201026053	004	5202	TRACES OPERABLE IN EITHER STORAGE OR NON-STORAGE
SWEEP RATE				
		11200		
S3		004	9103	VARIABLE FROM 0.05SEC/DIVICM) TO 0.5SEC/DIVICM)

06/19/80

**ACCURACY -PCI-
OR AS STATED**

SPEC	FAM	ID	PARAMETER
NR	CJDF	NP	
1.0			

SWEET RAY 71200

0014 5302 VARIABLE FROM 0.05SEC/DIVICM TO 0.55SEC/DIVICM

LR/SPECIFICATION ANALYSES
FAMILY NAME - OSCILLOSCOPE, DUAL TRACE, DC-200MHZ

06/19/80

ACCURACY -PCI -
OR AS STATED

SPEC NR	LD	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
54		000	0104	OSCILLOSCOPE, DUAL TRACE, DC-200MHZ
	100701027054	000	5203	OSCILLOSCOPE, DUAL TRACE, DC-200MHZ
CLASSIFICATION 00105				
54		000	0104	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000
	100701027054	000	5203	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000
DIMENSIONS IN MM/INS 00110				
54		000	0104	0.045 CURIC METERS/2750 CURIC INCHES
	100701027054	000	5203	0.045 CURIC METERS/2750 CURIC INCHES
WEIGHT IN KG/LBS 00120				
54		000	0104	14KG/31LBS
	100701027054	000	5203	14KG/31LBS
PWR SOURCE(S) 00140				
54		000	0104	50.60 & 400HZ S-PHASE 115/230VAC
	100701027054	000	5203	50.60 & 400HZ S-PHASE 115/230VAC
PEADOUT IN TYPICAL 00160				
54		000	0104	CRT, GRATICULE R BY 10CM
	100701027054	000	5203	CRT, GRATICULE R BY 10CM
TEMP OPERATING -100S RATING 00110				
54		000	0104	-55 TO 75 DEG C

06/19/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DUAL TRACE, DC-200MHZ

SPEC NR	LR	FAM CODE	TO NR	PARAMETER
TEMP OPER/NUM-OPERATING 00210				
	19829LR27054	090	5203	-55 TO 75 DEG C
BANDWIDTH				
		05200		
S4		090	9104	DC TO 200MHZ
	19829LR27054	090	5203	DC TO 200MHZ
DUAL TRACE				
		20900		
S4		090	9104	DUAL TRACE CAPABILITY
	19829LR27054	090	5203	DUAL TRACE CAPABILITY
SENSITIVITY				
		67500		
S4		090	9104	TO 2MV/DIVICM, VARIABLE TO 5V OR MORE/DIVICM)
	19829LR27054	090	5203	TO 2MV/DIVICM, VARIABLE TO 5V OR MORE/DIVICM)
SWEEP RATE				
		71200		
S4		090	9104	VAR, FROM 10 NSEC/DIVICM TO 0.05 SEC/DIVICM)
	19829LR27054	090	5203	VAR, FROM 10 NSEC/DIVICM TO 0.05 SEC/DIVICM)

06/19/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DUAL TRACE, DC-400MHZ

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----				
55		00100		
		000	9105	OSCILLOSCOPE,DUAL TRACE,DC-400MHZ
	170201R2A955	000	5204	OSCILLOSCOPE,DUAL TRACE,DC-400MHZ
CLASSIFICATION-----				
55		00105		
		000	9105	TYPE III,CLASS 5,COLOR R,STYLE E,PER MIL-T-20800
	170201R2A955	000	5204	TYPE III,CLASS 5,COLOR R,STYLE E,PER MIL-T-20800
DIMENSIONS IN MM/INS-----				
55		00110		
		000	9105	0.060 CUBIC METERS/3605 CUBIC INCHES
	170201R2A955	000	5204	0.060 CUBIC METERS/3605 CUBIC INCHES
WEIGHT IN KG/LBS-----				
55		00120		
		000	9105	18KG/40LBS
	170201R2A955	000	5204	18KG/40LBS
PWR SUPPLY EST/CONSUMPTION 00140-----				
55		00140		
		000	9105	50,60 & 400HZ 5-PHASE 115/230VAC
	170201R2A955	000	5204	50,60 & 400HZ 5-PHASE 115/230VAC
READOUT MEASUREMENTS-----				
55		00160		
		000	9105	CRT,GRATICULE 8 BY 10CM
	170201R2A955	000	5204	CRT,GRATICULE 8 BY 10CM
TEMP OPER/MON-OPERATING 00110-----				
55		00110		
		000	9105	-55 TO 75 DEG C

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LW/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE - DUAL TRACE, DC-400MHZ

SPEC NR	LR	FAM CNY	ID NR	PARAMETER
TEMP OPER/MON-OPERATING 00210				
19829LR28055				
BANDWIDTH				
090 5204 /-55 TO 75 DEG C				
05200				
SS				
090 9105 DC TO 400MHZ				
19829LR28055				
090 5204 DC TO 400MHZ				
DUAL TRACE				
20700				
SS				
090 9105 DUAL TRACE CAPABILITY				
19829LR28055				
090 5204 DUAL TRACE CAPABILITY				
SENSITIVITY				
61600				
SS				
090 9105 TO 5MV/DIVICM; VARIABLE TO 5V DR MORE/DIVICM)				
19829LR28055				
090 5204 TO 5MV/DIVICM; VARIABLE TO 5V DR MORE/DIVICM)				
SWEEP RATE				
73200				
SS				
090 9105 VARIABLE FROM 1 NSEC/DIVICM) TO 5 SEC/DIV				
19829LR28055				
090 5204 VARIABLE FROM 1 NSEC/DIVICM) TO 5 SEC/DIV				

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ACCURACY -PCT-
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LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DC-500MHZ

SPEC NR	LP	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME 00100				
S6		005	9106	OSCILLOSCOPE, DUAL TRACE, DC-500MHZ
	198201270056	005	5205	OSCILLOSCOPE, DUAL TRACE, DC-500MHZ
CLASSIFICATION 00105				
S6		005	9106	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000
	198201270056	005	5205	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000
DIMENSIONS IN MM/INS 00110				
S6		005	9106	0.065 CUBIC METERS/3800 CUBIC INCHES
	198201270056	005	5205	0.065 CUBIC METERS/3800 CUBIC INCHES
WEIGHT IN KG/LBS 00120				
S6		005	9106	15KG/32LBS
	198201270056	005	5205	15KG/32LBS
PWR SOURCE(S)/CONSUMPTION 00140				
S6		005	9106	50.60 E 400HZ S-PHASE 115/230VAC
	198201270056	005	5205	50.60 E 400HZ S-PHASE 115/230VAC
PEAKOUT W TUPP(S) 00160				
S6		005	9106	CRT, GRATICULE 8 BY 10CM
	198201270056	005	5205	CRT, GRATICULE 8 BY 10CM
TEMP OPER/4TH-OPERATING 00210				
S6		005	9106	-55 TO 75 DEG C

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOSCOPE, DC-500MHZ

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ACCURACY - PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER

TEMP OPER/MIN-OPERATING	00210

198201820056	005	5205	1-55 TO 75 DEG C

RANGE WIDTH	05200

S6	005	9106	DC TO 500MHZ
198201820056	005	5205	DC TO 500MHZ

SENSITIVITY	63600

S6	005	9106	TO 5MV/DIVICM), VARIABLE TO 5V OR MORE/DIVICM)
198201820056	005	5205	TO 5MV/DIVICM), VARIABLE TO 5V OR MORE/DIVICM)

SWEEP RATE	71200

S6	005	9106	VARIABLE FROM 10 MSEC/DIVICM) TO 2.0 SEC/DIVICM)
198201820056	005	5205	VARIABLE FROM 10 MSEC/DIVICM) TO 2.0 SEC/DIVICM)

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - UNIVERSAL COUNTER (DC TO 500MHZ)

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
S7		014	9107	UNIVERSAL COUNTER (DC TO 500MHZ)
	10810LR00057	010	5275	UNIVERSAL COUNTER (DC TO 500MHZ)
CLASSIFICATION 00104				
S7		018	9107	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
	10810LR00057	018	5275	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
PMR SOURCE (S)/CONSUMPTION 00140				
S7		018	9107	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
	10810LR00057	018	5275	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
TEMP OPER/MIN-OPERATING 00210				
S7		018	9107	0 TO +50C OPERATING / -55 TO +75C STORAGE
	10810LR00057	018	5275	0 TO +50C OPERATING / -55 TO +75C STORAGE
FREQ RANGE 24500				
S7		018	9107	DC TO 500MHZ
	10810LR00057	018	5275	DC TO 500MHZ
PERIOD MEASUREMENTS 5400				
S7		018	9107	CAPABLE OF MAKING PERIOD MEAS AS WELL AS PERIOD AVERAGING
	10810LR00057	018	5275	CAPABLE OF MAKING PERIOD MEAS AS WELL AS PERIOD AVERAGING
SENSITIVITY 51000				
S7		018	9107	50MV RMS OR LESS

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - UNIVERSAL COUNTER (DC TO 500MHZ)

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
SENSITIVITY ----- 67000				
	19410LP00057	010	5275	50MV RMS OR LESS
TIME BASE STABILITY ----- 72220				
S7		010	9107	INTERNAL HIGH STABILITY TIME BASE
	19410LP00057	010	5275	INTERNAL HIGH STABILITY TIME BASE
TIME INTERVAL MEASUREMENT 74000				
S7		010	9107	CAPABLE OF MEAS 100NSEC SINGLE SHOT TIME INTERVALS
	19410LP00057	010	5275	CAPABLE OF MEAS 100NSEC SINGLE SHOT TIME INTERVALS

06/19/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY COUNTER(10HZ TO 18GHZ)

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
SR		019	9108	FREQUENCY COUNTER (10HZ TO 18GHZ)
	19919LR00058	019	5276	FREQUENCY COUNTER (10HZ TO 18GHZ)
CLASSIFICATION 00105				
SR		019	9108	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28800
	19919LR00058	019	5276	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28800
PWR SOURCE 151/CONSUMPTION 00140				
SR		019	9108	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
	19919LR00058	019	5276	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
TEMP OPER/MIN-OPERATING 00210				
SR		019	9108	0 TO +50C OPERATING / -55C TO +75C STORAGE
	19919LR00058	019	5276	0 TO +50C OPERATING / -55C TO +75C STORAGE
FREQ RANGE 26500				
SR		019	9108	10HZ TO 18GHZ
	19919LR00058	019	5276	10HZ TO 18GHZ
SENSITIVITY 61400				
SR		019	9108	10HZ - 250MHZ(25MV RMS OR LESS)-250MHZ-18GHZ(-200DB MAX)
	19919LR00058	019	5276	10HZ - 250MHZ(25MV RMS OR LESS)-250MHZ-18GHZ(-200DB MAX)
TIME BASE STABILITY 77220				
SR		019	9108	INTERNAL HIGH STABILITY TIME BASE

LR/SPECIFICATION ANALYSES

06/19/80

FAMILY NAME - FREQUENCY COMPRESSION/ TO 18GHZ)

ACCURACY -PCI-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	INTERNAL HIGH STABILITY TIME BASE
TIME BASE STABILITY		77220			
19814R0958		019	5276		

06/19/80

ACCURACY - PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREO CMT1300KHZ-18GHZ RF PULSE1

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
EQUIPMENT NAME 00100					
	10H10L910059	125	5277	FREQUENCY COUNTER (AUTOMATIC PULSED RF MEAS CAPABILITY)	
CLASSIFICATION 00105					
	10H10L910059	125	5277	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-20000	
PWR SOURCE (S)/CONSUMPTION 00140					
	10H10L910059	125	5277	50HZ, 60HZ, 400HZ S-PHASE 115/23	
TEMP OPER/NON-OPERATING 00210					
	10H10L910059	125	5277	0 TO +50C OPERATING / -55C TO +75C STORAGE	
FREQ RANGE 26500					
	10H10L910059	125	5277	300MHZ TO 18GHZ	
PULSE WIDTH 56010					
	10H10L910059	125	5277	MEAS P/W AT 50PCT AMP POINT, OF 100NSEC M/W REP F, 50HZ MI	
SENSITIVITY 63600					
	10H10L910059	125	5277	300MHZ-18GHZ (-100DBM) 10GHZ-18GHZ (-50DBM OR LESS)	
TIME BASE STABILITY 77220					
	10H10L910059	125	5277	INTERNAL HIGH STABILITY TIME BASE	

06/18/80

ACCURACY - PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - AUDIO OSCILLATOR

SPEC NR	LP	FAM CONF	ID NR	PARAMETER

EQUIPMENT NAME-----00100

01		006	9001	AUDIO OSCILLATOR
	19879LR31001	006	5214	SIGNAL GENERATOR LOW FREQ, AUDIO OSC

CLASSIFICATION-----00105

01		006	9001	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	19879LR31001	006	5214	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800

DIMENSIONS IN MM/INS-----00110

01		006	9001	179MM(7IN)HX165MM(6.5IN)HX305MM(12IN)D
	19879LR31001	006	5214	178MM(7IN)HX165MM(6.5IN)HX305MM(12IN)D

WEIGHT IN KG/RS-----00120

01		006	9001	9KG(20LBS)
	19879LR31001	006	5214	9KG(20LBS)

ENCLOSURE STYLE-----00130

01		006	9001	RACKMOUNT CAPABILITY

PWR SUPPLY TEST/CONSUMPTION 00140

01		006	9001	TYPE II, 50.60 & 400HZ, S-PHASE 115/230VAC/30 WATTS
	19879LR31001	006	5214	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC

MFR-----00150

01		006	9001	4500 HOURS

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - AUDIO OSCILLATOR

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
PRIMARY CONNECTORS					
		00170			
01		006	9001	BANANA PLUGS	
TEMP OPER/NON-OPERATING					
		00210			
	10820LR 01001	006	5214	-55C TO +75C STORAGE	
OUTPUT ATTENUATION					
		01600			
01		006	9001	90DB IN 100B STEPS, W/VERNIER CALIB IN 10B STEPS	+/--.20B
	10820LR 01001	006	5214	80DB IN 100B STEPS W/VERNIER CALIB IN 10B STEPS	+/--.20B
OUTPUT BALANCE					
		01700			
01		006	9001	OUTPUT BALANCE GREATER THAN 40DB FOR FREOS BELOW 20KHZ	
DISTORTION-OUTPUT					
		11300			
01		006	9001	DISTORTION NOT GREATER THAN 1 PCT AT 1KHZ	
HARMONIC DISTORTION					
		10400			
01		006	9001	LESS THAN 0.5 PCT	
	10820LR 01001	006	5214	1PCT AT 1KHZ MAX	
FREQ RANGE					
		26500			
01		006	9001	10KHZ TO 1.2MHZ	+/-3 PCT
	10820LR 01001	006	5214	10KHZ TO 1.2MHZ	+/-3 PCT
FREQ OUTPUT LEVEL STABILITY					
		24700			
01		006	9001	LEVEL SHALL NOT VARY GREATER THAN +/-10B IN ANY RANGE	

LR/SPECIFICATION ANALYSES				06/16/80	ACCURACY -PCI- OR AS STATED
FAMILY NAME - AUDIO OSCILLATOR					
SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
OUTPUT EFFICIENCY RESPONSE 26009					
	19820LR33001	006	5214	VARIATION NO GREATER THAN +/- 1DB OVER ANY FREQ RANGE	+/-1DB
OUTPUT IMPEDANCE					
		15200			
01		006	9001	600 OHMS BALANCED TO GND	
	19820LR33001	006	5214	600OHMS	
VOLTAGE OUTPUT					
		84900			
01		006	9001	MINIMUM VOLTAGE OF 2.5 VOLTS RMS AT 600 OHMS	+/-1DB
	19820LR33001	006	5214	2.5 VOLTS RMS (600OHMS)	

06/18/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, FUNCTION

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
02		047	9002	GENERATOR, SIGNAL FUNCTION
WEIGHT IN KG/LBS 00120				
02		047	9002	9KG(20LBS)
ENCLOSURE (STYLE) 00130				
02		047	9002	MIL-T-28000 STYLE E W/RACK MOUNT CAPABILITY
PWR SOURCE (V/C) CONSUMPTION 00140				
02		047	9002	TYPE II 50.60-400HZ SINGLE PHASE 115/230VAC/50W
MTRF 00150				
02		047	9002	2500 HRS
PRIMARY CONNECTORS 00170				
02		047	9002	RNC
ENVIRONMENTAL CONDITIONS 00200				
02		047	9002	MIL-T-28000 TYPE II CLASS 5 STYLE E COLOR R
TEMP OPT/MIN-OPERATING 00210				
02		047	9002	0 TO 50C/-55 TO 75C
RELATIVE HUMIDITY 00220				
02		047	9002	95%±5-03

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, FUNCTION

ACCURACY -PCT-
OR AS STATED

SPEC NR	LD	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
ALTITUDE OPER/NDM-OPER 00230					
02		047	9002	3050M(10000FT)/12000M(40000FT)	
VIBRATION LIMIT (MAXIMUM) 00240					
02		047	9002	2G	
SHOCK, PULSE LEVEL 00250					
02		047	9002	30G	
OUTPUT ATTENUATION 01600					
02		047	9002	MLT 50DB W/100B VERNIER CALIBRATED IN 10B STEPS	
DC OFFSET 15600					
02		047	9002	ADJUSTABLE FROM -10VDC TO +10VDC	
DISTORTION 19200					
02		047	9002	DISTORTION NGT .5 PCT	
25400					
02		047	9002	.1HZ TO 10MHZ IN NMT 10RANGES	+/-.5 PCT
FREQ RANGE 26500					
02		047	9002	.1HZ TO 10MHZ IN NMT 10 RANGES	+/-.5 PCT
OUTPUT FREQUENCY RESPONSE 26800					
02		047	9002	VARIATION OF OUTPUT LEVEL BETWEEN HANDS NGT	+/-.10B

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, FUNCTION

SPEC NR	LR	FAM CONF	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
HARMONICS-----					
02		047	9002	SINE WAVE MLT 30DR BELOW FUNDAMENTAL FREQ	
OUTPUT IMPEDANCE-----					
02		047	9002	50 OHMS IMPEDANCE OUTPUT	
LINEARITY-----					
02		047	9002	SANTOOTH & TRIANGLE WAVE LINEARITY ERROR AT 100HZ	LT 1 PCT
SIGNAL WAVEFORMS-----					
02		047	9002	SELECT WAVEFORMS SINE,SQUARE,PULSE,TRIANGLE & SANTOOTH	
PULSE WIDTH-----					
02		047	9002	MLT .1US TO 5 SEC CONTINUOUSLY VARIABLE	
PULSE RISE, TRANS TIME-----					
02		047	9002	THE RISE & FALL TIME OF 50-WAVE & PULSE LT 2INSEC EACH	
SYNCHRONIZATION,OUTPUT-----					
02		047	9002	SYNC OUTPUT TO 1V P/P 50-WAVE W/500HM IMPED +/-100HMS	
REF VOLTAGE OUTPUT-----					
02		047	9002	10V P/P AT 500HM LOAD	

LT 1 PCR

06/10/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, HF

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----				
		90100		
03		051	9003	SIGNAL GENERATOR, HF
	19010LX14003	051	5270	SIGNAL GENERATOR-HF
CLASSIFICATION-----				
		00105		
03		051	9003	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20800
	19010LX14003	051	5270	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-20800
DIMENSIONS IN MM/INS-----				
		00110		
03		051	9003	465MM(18IN)X300MM(11.8IN)X405MM(19.1IN)D
	19010LX14003	051	5270	0.067 CUBIC METERS (2200 CUBIC INCHES) MAX
WEIGHT IN KG/LBS-----				
		00120		
03		051	9003	20KG/44LBS
	19010LX14003	051	5270	23KG(53LBS) MAX
ENCLOSURE (STYLE)-----				
		00130		
03		051	9003	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION-----				
		00140		
03		051	9003	TYPE II, 50-60 & 400HZ, 5-PHASE 115/230VAC/150 WATTS
	19010LX14003	051	5270	50HZ, 60HZ, 400HZ 5-PHASE 115/230VAC
MTRF-----				
		00140		
03		051	9003	2000 HOURS

ULR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, HF

ACCURACY -PCI-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
PRIMARY CONNECTORS				
03		00170	9003	INPUT/OUTPUT SIG CONNECTORS TYPE,RNC,RF OUTPUT TYPE M
TEMP OPER/NOH-OPERATING				
	17010LR34003	051	5274	-55C TO 75C STORAGE
AMPLITUDE MODULATION				
03		051	9003	AM BY EXTERNA & INTERNAL AUDIO TONE,M/O TO 90PCT MOD
	17010LR34003	051	5278	FROM 0 TO 100PCT
AMP MOD-FX,MOD FREQ				
03		051	9003	AM OF CARRIER BY EXT SINE OR SQ WAVE OF 20HZ TO 20KHZ
EXTERNAL AM SENSITIVITY				
03		051	9003	EXT VOLTAGE OF 5V P/P SHALL PRODUCE 90 PCT MOD LEVEL
AMP MOD-EX INPUT IMPEDANCE				
03		051	9003	600 OHMS
AMP MOD FREQ				
03		051	9003	400 & 1000HZ FOR INTERNAL AM MODULATION
AM IMPEDANCE DISTORTION				
03		051	9003	NOT EXCEED 1PCT OF AM CARRIER,1PCT-0T050 MOD,3PCT 50-90
HARMONIC DISTORTION				
03		051	9003	30DB BELOW LEVEL OF UNMODULATED CARRIER

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, HF

ACCURACY -PCI-
OR AS STATED

SPEC NR	LR	FM CONE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
	FREQ MODULATION	24000			
03		051	9003	FREQUENCY MODULATION CAPABILITY	
	100101P14903	051	5278	UP TO 75KHZ DIVIATION OF CHR FREQ	
	FM DISTORTION	24010			
03		051	9003	NO GREATER THAN 2 PCT MOD DISTORTION AT ALL FREQ'S	
	FM DEVIATION	24020			
03		051	9003	INT & EXT FM CAPABILITY W/O TO 40KHZ DEVIATION	
	FREQ MOD-EXT MOD VOLTAGE	24040			
03		051	9003	1KHZ & 100KHZ-15KHZ VOLTAGE SHALL NOT VARY, AT 10 KHZ DEV	+/-10 PCT
	FREQ MOD-SPURIOUS AM	24090			
03		051	9003	SPURIOUS AM NOT MORE THAN 2 PCT OF FM SIG W/DEV AT 40KHZ	
	FREQ MOD-CARRIER SHIFT	24000			
03		051	9003	DEV UP TO 40KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN	.005 PCT
	FREQ RANGE	24500			
03		051	9003	50KHZ TO 80MHZ	+/-0.5 PCT
	100101P14903	051	5278	50KHZ TO 80MHZ	+/-1.5 KHZ
	FREQ OUTPUT LEVEL STABLE	24700			
03		051	9003	SHALL NOT VARY MORE THAN +/-10% ACROSS FREQ RANGE	

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, HIF

SPEC NR	LR	FAM CONF	ID MR	PARAMETER	
OUTPUT IMPEDANCE					
03		051	9003	50 OHMS (NOMINAL)	
SIN WAVE					
	10010101003	051	5278	SIN WAVE	
SIGNAL OUTPUT VOLTAGE					
03		051	9003	CONTINUOUSLY ADJUSTABLE, FROM 100M VOLT TO 1V, AT 50 OHMS	+/-1.5 DB
	10010101003	051	5278	CONTINUOUSLY ADJUSTABLE FROM 100MV - 1V RMS AC 50 OHMS	
SPURIOUS RESPONSE					
03		051	9003	SPURIOUS FM ON THE UNMOD CARRIER, NOT MORE THAN 20HZ	
STANDING WAVE RATIO SWR					
03		051	9003	VSWR LESS THAN 1.2 TO 1	

06/18/00

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, PULSE

SPEC NR	LT	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----00100				
04		050	0004	GENERATOR, SIGNAL, PULSE
	19870104004	050	5215	SIGNAL GENERATOR, PULSE
CLASSIFICATION-----00105				
	19870104004	050	5215	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS-----00110				
04		050	0004	440MM(17IN)X180MM(6.5IN)X360MM(13.5IN)D
	19870104004	050	5215	440MM(17IN)X180MM(6.5IN)X360MM(13.5IN)D
WEIGHT IN KG/LBS-----00120				
04		050	0004	10KG(22.1LBS)
	19870104004	050	5215	7KG(15.5LBS)
ENCLOSURE (STY1)-----00130				
04		050	0004	MIL-T-28800 STYLE E W/RACK MOUNT CAPABILITY
PWR SOURCE (S1)/CONSUMPTION 00140				
04		050	0004	TYPE II 50,60,400HZ SINGLE PHASE 115/230 VAC/75W
	19870104004	050	5215	50HZ, 60HZ, 400HZ 5-PHASE 115/230VAC
MTBF-----00150				
04		050	0004	2000 HRS
PRIMARY CONFIG 00170				
04		050	0004	SERIES-UNC

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR - PULSE

SPFC NR	LP	FAM CODE	ID NR	PARAMETER	
ENVIRONMENTAL CONDITIONS 00200					
04		050	9004	MIL-T-28800 TYPE II CLASS 5 STYLF E COLOR R	
TEMP OPER/MIN-OPERATING 00210					
04		050	9004	0 TO 50C/-55 TO 75C	
	10020LR4004	050	5215	-55C TO +75C STORAGE	
RELATIVE HUMIDITY 00220					
04		050	9004	95(±5-0)	
SHOCK, PULSE LEVEL 00250					
04		050	9004	30G	
OUTPUT ATTENUATION 03600					
04		050	9004	0-90DB IN 10DB STEPS W/100B VERNIER IN 100B STEPS	
OUTPUT IMPEDANCE 35200					
04		050	9004	50 OHMS	
	10020LR4004	050	5215	500HMS	
SIGNAL WAVEFORMS 50030					
04		050	9004	PULSE OUTPUT W/VARIABLE PULSE WIDTH	
PULSE WIDTH 56010					
04		050	9004	VARIABLE FROM 10 NANoseconds TO 1 SECOND	

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, PULSE

ACCURACY -PCI-
OR AS STATED

SPEC	LR	FAM	ID
NR	CONF	NR	NR

PARAMETER

PULSE WITH
KODAK

134200-1/4

VARIABLE FROM IONS TO ISEC

EX, PULSE RISE TIME	56070
1	1.00
2	1.00
3	1.00
4	1.00
5	1.00
6	1.00
7	1.00
8	1.00
9	1.00
10	1.00
11	1.00
12	1.00
13	1.00
14	1.00
15	1.00
16	1.00
17	1.00
18	1.00
19	1.00
20	1.00
21	1.00
22	1.00
23	1.00
24	1.00
25	1.00
26	1.00
27	1.00
28	1.00
29	1.00
30	1.00
31	1.00
32	1.00
33	1.00
34	1.00
35	1.00
36	1.00
37	1.00
38	1.00
39	1.00
40	1.00
41	1.00
42	1.00
43	1.00
44	1.00
45	1.00
46	1.00
47	1.00
48	1.00
49	1.00
50	1.00
51	1.00
52	1.00
53	1.00
54	1.00
55	1.00
56	1.00
57	1.00
58	1.00
59	1.00
60	1.00
61	1.00
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63	1.00
64	1.00
65	1.00
66	1.00
67	1.00
68	1.00
69	1.00
70	1.00
71	1.00
72	1.00
73	1.00
74	1.00
75	1.00
76	1.00
77	1.00
78	1.00
79	1.00
80	1.00
81	1.00
82	1.00
83	1.00
84	1.00
85	1.00
86	1.00
87	1.00
88	1.00
89	1.00
90	1.00
91	1.00
92	1.00
93	1.00
94	1.00
95	1.00
96	1.00
97	1.00
98	1.00
99	1.00
100	1.00

1.1 T 5 NANOSECOND

PULSF RATE 54200

04	050	9004	10 10 50 PPS

10 TO 10 MILLION PPS

0.005 PCI

PULSE WIDTH, TRANS TIME

10920LR4H04	050	5215	5 NANoseconds

SYNCHRONIZATION, MONITORING 74400

INTERNAL & EXTERNAL SYNC PULSE MODE CAPACITY

PF VOL TAGS INPUT 856.00

VARIABLE W/MAXIMUM OF 3V ACROSS 50 OHM LOAD

✓-0.508

VARIABLE W/MINIMUM OF 3V INTO 50 OHM LOAD

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF A

SPEC NR LR FAN CNDF ID NR

PARAMETER

EQUIPMENT NAME 00100

SIGNAL GENERATOR, SHF

SIGNAL GENERATOR, SHF

CLASSIFICATION 00105

TYPE II, CLASS S, STYLE E, COLOR R PER MIL-T-20000

TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-20000

DIMENSIONS IN MM/INS 00110

450MM(17IN)X260MM(10IN)X550MM(21IN)D

450MM(17IN)X260MM(10IN)X550MM(21IN)D

WEIGHT IN KG/LBS 00120

29.5KG/65LBS

29.5KG(65LBS) MAX

ENCLOSURE (STYLE) 00130

RACKMOUNT CAPABILITY

STYLE E

PWR SOURCE (S)/CONSUMPTION 00140

TYPE II, 50, 60, 400HZ, S-PHASE 115/230VAC/225 WATTS

50HZ, 60HZ, 400HZ S-PHASE 115/230VAC

MTRF 00150

2500 HOURS

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF A

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CUM	ID NR	PARAMETER	
PRIMARY CONNECTIONS					
			00170		
05		053	9005	INPUT & OUTPUT-PNC FEMALE, RF OUTPUT, SERIES W/FEMALE	
TEMP OPER/NON-OPERATING					
			00210		
	10020LR30005	053	5216	-55C TO +75C STORAGE	
DISTORTION-OUTPUT					
			19300		
05		053	9005	NOT TO EXCEED 2 PCT AT ALL FREQ'S & DEVIATIONS	
HARMONIC DISTORTION					
			19400		
05		053	9005	25DB BELOW THE LEVEL OF THE UNMOD CARRIER	
	19420LP19005	053	5216	25DB BELOW THE LEVEL OF UNMOD CARRIER	
FREQ MODULATION					
			26000		
05		053	9005	FM W/40HZ TO 40KHZ DEVIATION	
	19820LP19005	053	5216	FM W/40HZ TO 40KHZ DEVIATION	
FREQ MOD-CARRIER VOLTAGE					
			26060		
05		053	9005	1KHZ & 100HZ-15KHZ VOLTAGE SHALL NOT VARY AT 10KHZ DEV	+/-10 PCT
FREQ MOD-SPURIOUS AM					
			26090		
05		053	9005	SPURIOUS AM NO MORE THAN 5 PCT AT ALL FM FREQS & MAX DEV	
FREQ MOD-CARRIER SHIFT					
			26090		
05		053	9005	DEV UP TO 25KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN	.005 PCT

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, SHF A

SPEC NR	LP	FAM CHDF	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
FREQ RANGE-----24500					
05		053	9005	1.8GHZ TO 4GHZ	IN 6 RANGES +/-1 PCT
	17829L030005	053	5216	1.8GHZ TO 4GHZ	IN 6 RANGES +/-1 PCT
FREQ OUTPUT LEVEL STABIL 24700					
05		053	9005	OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN	+/-108
	17829L030005	053	5216	OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN	+/-1.0 DB
IMPEDANCE OUTPUT-----14300					
05		053	9005	50 OHMS	
	17829L030005	053	5216	50 OHMS	
MODULATION CHARACTERISTIC 47500					
05		053	9005	FREQUENCY,PULSE & SO-WAVE MODULATION CAPABILITY	
MODULATION EXTERNAL-----47520					
05		053	9005	FM 4/50HZ TO 5MHZ DEVIATION	+/-10 PCT
	17829L030005	053	5216	EQUIP SHALL HAVE EXT FREQ & PULST MOD CAPABILITY	+/-10 PCT
MODULATION SO-WAVE-----47700					
05		053	9005	1000HZ	
	17829L030005	053	5216	1KHZ	
EXT P4.IMPUIE IMPEDANCE-----54050					
05		053	9005	50 OHMS	+/-5 PCT

LR/SPECIFICATION ANALYSES

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FAMILY NAME - SIGNAL GENERATOR, SHF A

ACCURACY - PCI -
OR AS STATED

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
PULSE RATE				
		56200		
05		053	9005	PM RATES FROM 40 TO 40,000 PPS, W/PULSE WIDTHS, L-10USEC
	100200010005	053	5216	PM RATES FROM 40 TO 40,000 PPS W/PULSE WIDTHS, L TO 10US
STANDING WAVE RATIO SWR				
		60400		
05		053	9005	LESS THAN 2 TO 1
PF OUTPUT PIMPER				
		45200		
05		053	9005	CONTINUOUSLY VARIABLE, -100DBM TO 0DBM
	100200010005	053	5216	CONTINUOUSLY VARIABLE -100DBM TO 0DBM

4/-208

06/10/80

ACCURACY - PCI -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF R

SPEC NO	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME ----- 00100				
06		053	9006	SIGNAL GENERATOR, SHF
	100291840006	053	5217	SIGNAL GENERATOR, SHF (3.0GHZ TO 70GHZ)
CLASSIFICATION ----- 00105				
06		053	9006	TYPE II-CLASS S, STYLE F, COLOR R, PER MIL-T-20000
	100291840006	053	5217	TYPE III, CLASS S, COLOR R, STYLE F, PER MIL-T-20000
DIMENSIONS IN MM/INS ----- 00110				
06		053	9006	450MM(17.71IN)X260MM(10.24IN)X550MM(21.65IN)
	100291840006	053	5217	500MM(19.69IN)X365MM(14.37IN)X535MM(21.06IN)
WEIGHT IN KG/LBS ----- 00120				
06		053	9006	29.5KG(65LBS)
	100291840006	053	5217	31.5KG(70LBS) MAX
ENCLOSURE (STYLE) ----- 00130				
06		053	9006	RACKMOUNT CAPABILITY
	100291840006	053	5217	STYLE F
PMP SUPPLY (S)/CONSUMPTION 00140				
06		053	9006	TYPE II, 50.40K400HZ, S-PHASE 115/230VAC/225 WATTS
	100291840006	053	5217	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
MTRF ----- 00150				
06		053	9006	2500 HOURS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, SHF R

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
PRIMARY CONNECTORS					
		00170			
06		053	9006	INPUT, SERIES RNC, OUTPUT, SERIES M, FEMALE	
TEMP OPERATION-OPERATING					
		00210			
	170201R40006	053	5217	-55C TO +75C STORAGE	
INTERNAL MOD CAPABILITIES					
		01300			
06		053	9006	FREQUENCY, PULSE & SO-WAVE MODULATION CAPABILITY	
	170201R40006	053	5217	FREQ. PULSE AND SO-WAVE MODULATION CAPABILITY	
EXTERNAL MOD CAPABILITIES					
		01400			
06		053	9006	FREQUENCY & PULSE MODULATION CAPABILITY	
HARMONIC DISTORTION					
		10400			
06		053	9006	300R BELOW LEVEL OF THE UNMOD CARRIER	
	170201R40006	053	5217	300R BELOW THE LEVEL OF UNMOD CARRIER	
FM DISTORTION					
		26010			
06		053	9006	OF MODULATED SIG FOR ALL FREQ'S & DEV NO MORE THAN	2 PCT
FREQ MOD-DEV, MOD VOLTAGE					
		26040			
06		053	9006	THE EXTERNAL FM VOLTAGE SHALL BE LESS THAN 5V	
FREQ MOD-SPURIOUS AM					
		26090			
06		053	9006	SPURIOUS AM, AT ALL FM FREQ'S, DEVIATION NO GREATER THAN	5 PCT

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, SHF R

ACCURACY -PCT-
OR AS STATED

SPEC ID
NR LO CMT NR

PARAMETER

FREQ MOD-CARRIER SHIFT 24000

-005 PCT

DEV UP TO 25KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN

FREQ MOD-INT-DEVIATION 26410

FREQ DEVIATION 0 TO 5MHZ

FREQ DEVIATION 0 TO 5MHZ P-P

FREQ RANGE 26500

+/-1 PCT

IN 6 RANGES

3.0 TO 7GHZ

3.0GHZ TO 7GHZ NMT 6 FREQ BANDS

+/-1 PCT

FREQ OUTPUT LEVEL STABILITY 26700

+/-10R

OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN

OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN

+/-1.0 DB

IMPEDANCE, OUTPUT 34100

50 OHMS

50 OHMS

PULSE MOD (PM)-F 56000

PM,RY EXTERNAL 20 TO 60V,+OR,-,M/PULSE VAR 1102500USEC

PULSE WIDTH 56010

VARIABLE FROM 1US TO 10US

EX-PULSE RECEPTION DATE 56010

VARIABLE FROM 40 TO 40,000 PPS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, SHF B

ACCURACY - PCT -
OR AS STATED

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
EXT PM INPUT IMPEDANCE				
		56050		
06		053	9006	50 OHMS
PULSE WID INTERNAL				
		56500		
	178700000000	053	5217	40 TO 40000 PPS PULSE WIDTHS OF 1 TO 10US
50-WAVE MODULATION				
		60500		
06		053	9006	VARIABLE FROM 40HZ TO 4KHZ
	179201000000	053	5217	VARIABLE FROM 40HZ TO 4KHZ
STANDING WAVE RATIO SWP				
		61600		
06		053	9006	LESS THAN 2 TO 1
RF OUTPUT POWER				
		85700		
06		053	9006	CONTINUOUSLY VARIABLE FROM -100DBM TO 0DBM
	178700000000	053	5217	CONTINUOUSLY VARIABLE -100DBM TO 0DBM

+/20R

06/18/80

ACCURACY - PCT -
DR AS STATED

LN/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF C

SPEC NR	LO	FAM C'DRY	ID NR	PARAMETER
07		00100	0007	SIGNAL GENERATOR, SHF
CLASSIFICATION				
07		051	0007	TYPE II, CLASS S, STYLE E, COLOR R, PFR MIL-T-28800
DIMENSIONS IN MM/INS				
07		051	0007	500MM1191MMX365MM(14IN)HX355MM(14IN)D
WEIGHT IN KG/LBS				
07		051	0007	31.5KG/70LBS
ENCLOSURE STYLE/1				
07		051	0007	RACKMOUNT CAPABILITY
PWR SUPPLY (S)/CONSUMPTION				
07		051	0007	TYPE II, 50-60K400HZ, S-PHASE 115/230VAC/255 WATTS
MTBF				
07		051	0007	2500 HOURS
PRIMARY CUMULATIVES				
07		051	0007	INPUT/OUTPUT SERIES RNC, RF OUTPUT SERIES N FEMALE
INTERNAL AND CAPABILITIES				
07		051	0007	1 PULSE, PULSE & 50-WAVE MODULATION CAPABILITY

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, SHF C

SPEC NO	L ^o	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
EXTERNAL MOD CAPABILITIES 01400					
07		053	9007	FREQUENCY & PULSE MODULATION CAPABILITY	
HARMONIC DISTORTION 10400					
07		053	9007	30DB BELOW LEVEL OF THE UNMOD CARRIER	
FM DISTORTION 26010					
07		053	9007	OF MODULATED SIG FOR ALL FREQ'S & DIV NO MORE THAN	2 PCT
FREQ MOD-FM MOD VOLTAGE 26060					
07		053	9007	THE EXTERNAL FM VOLTAGE SHALL BE LESS THAN 5V	
FREQ MOD, SPURIOUS AM 26090					
07		053	9007	SPURIOUS AM AT ALL FM FREQ'S & DEVIATION NO GREATER THAN	5 PCT
FREQ MOD, CARRIER SHIFT 26090					
07		053	9007	DEV UPTO 25KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN	.005 PCT
FREQ MOD-INT-DEVIATION 26410					
07		053	9007	FREQ DEVIATION 0 TO 5MHZ	
FREQ RANGE 26500					
07		053	9007	70MHZ TO 11GHZ	+/-1 PCT
FREQ OUTPUT LEVEL STABLE 26700					
07		053	9007	OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN	+/-1DB

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF C

06/10/80

ACCURACY - PCI -
OR AS STATED

SPEC NR	LD	FAM CONF	ID NR	PARAMETER
IMPEDANCE, INPUT				
07		053	9007	50 OHMS
PULSE WID (PM)-FX				
07		053	9007	PM,RY EXTERNAL 20 TO 60V, TOR--W/PULSE VAR 1102500USEC
PULSE WIDTH				
07		053	9007	VARIABLE FROM 1US TO 10US
FX,PULSE REPETITION RATE				
07		053	9007	VARIABLE FROM 40 TO 40,000 PPS
EXT PM, INPUT IMPEDANCE				
07		053	9007	50 OHMS
SQ-WAVE MODULATION				
07		053	9007	VARIABLE FROM 40HZ TO 4KHZ
STANDING WAVE PATEN SWP				
07		053	9007	LESS THAN 2 TO 1
RF OUTPUT POWER				
07		053	9007	CONTINUOUSLY VARIABLE FROM -100DBM TO 0DBM

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ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF D

SPEC NO LO FAN IN NO

PARAMETER

EQUIPMENT NAME 00100

OR 051 9008

SIGNAL GENERATOR, SHF

100201042008 051 5218

SIGNAL GENERATOR, SHF (110GHZ TO 15.5GHZ)

CLASSIFICATION 00105

OR 051 9008

TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20800

100201042008 051 5218

TYPE III, CLASS 5, COLOR R, STYLE F, PER MIL-T-20800

DIMENSIONS IN MM/INS 00110

OR 051 9008

450MM(17IN)HX365MM(14IN)HX500MM(19IN)D

100201042008 051 5218

450MM(17IN)HX365MM(14IN)HX500MM(19IN)D

WEIGHT IN KG/LBS 00120

OR 051 9008

33.5KG(67LBS)

100201042008 051 5218

33.5KG(67LBS) MAX

ENCLOSURE STYLE 00130

OR 051 9008

RACKMOUNT CAPABILITY

100201042008 051 5218

STYLE F

PWR SUPPLY 151/CONSUMPTION 00140

OR 051 9008

TYPE II, 50, 60, 400HZ, 5-PHASE 115/230VAC/370 WATTS

100201042008 051 5218

50HZ, 60HZ, 400HZ 5-PHASE 115/230VAC

MTRF 00150

OR 051 9008

2500 HOURS

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LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF D					PARAMETER	ACCURACY -PCT- OR AS STATED
SPEC NR	LR	FAM C/NR	TO NR			
PRIMARY CONNECTIONS						
08		053	00170	9008	INPUT/OUTPUT, SERIES RNC, RF OUTPUT SERIES M, FEMALE	
TEMP OPER/MIN-OPERATING						
	10020LP42008	053	5218		-55C TO +75C STORAGE	
INTERNAL MOD CAPABILITIES						
08		053	0008		FREQUENCY, PULSE & SO-WAVE MODULATION CAPABILITY	
	10020LP42008	053	5218		FREQ , PULSE AND SO-WAVE MODULATION CAPABILITY	
EXTERNAL MOD CAPABILITIES						
08		053	0008		FREQUENCY & PULSE MODULATION CAPABILITY	
HARMONIC DISTORTION						
08		053	0008		3008 BELOW LEVEL OF THE UNMOD CARRIER	
	10020LP42008	053	5218		3008 BELOW THE LEVEL OF UNMOD CARRIER	
FM DISTORTION						
08		053	0008		OF MODULATED SIG FOR ALL FREQ'S & DEV NO MORE THAN	2 PCT
FREQ MOD-1 V, MOD VOLTAGE						
08		053	0008		THE EXTERNAL FM VOLTAGE SHALL BE LESS THAN 5V	
FREQ MOD-5 SPURIOUS AM						
08		053	0008		SPURIOUS AM, AT ALL FM FREQ'S DEVIATION NO GREATER THAN	5 PCT

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LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF 0

ACCURACY -PCI-
OR AS STATED

SPEC NR	Lo	FAM CONF	ID NR	PARAMETER	ACCURACY -PCI- OR AS STATED
FREQ MID-CARRIER SHIFT 26000					
08		053	9008	DEV UPTO 25KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN	.005 PCI
FREQ MOD-INT.DEVIATION 26410					
08		053	9008	FREQ DEVIATION 0 TO 5MHZ	
	19920L042008	053	5218	FREQ DEVIATION 0 TO 5MHZ P-P	
FREQ RANGE 26500					
08		053	9008	10GHZ TO 15.5GHZ	+/-1 PCI
	19920L042008	053	5218	10GHZ TO 15.5GHZ	+/-1 PCI
FREQ OUTPUT LEVEL STABLE 26700					
08		053	9008	OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN	+/-1DB
	19920L042008	053	5218	OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN	+/-1.0 DB
IMPEDANCE OUTPUT 34300					
08		053	9008	50 OHMS	
	19920L042008	053	5218	50 OHMS	
PULSE MID (PHI-FX) 54000					
08		053	9008	PH, BY EXTERNAL 20 TO 60V, TUR-W/PULSE VAR 1T02500USEC	
PULSE WIDTH 54010					
08		053	9008	VARIABLE FROM 1US TO 10US	
FX,PULSE REJECTION RATE 54020					
08		053	9008	VARIABLE FROM 40 TO 40,000 PPS	

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, SHF D

ACCURACY - PCT -
OR AS STATED

SPEC NR	LR	FAM CONF	ID NR	PARAMETER	
EXT PM INPUT IMPEDANCE -----					
OR		053	9008	50 OHMS	
PULSE MOD INTERNAL -----					
	1.98291P42009	053	5218	40 TO 4000 PPS PULSE WIDTHS OF 1 TO 10US	
SO-NAV MODULATION -----					
OR		053	9009	VARIABLE FROM 40HZ TO 4KHZ	
	1.98291P42009	053	5218	VARIABLE FROM 40HZ TO 4000HZ	
STANDING WAVE RATIO SWR -----					
OR		053	9008	LESS THAN 2 TO 1	
RF OUTPUT POWER -----					
OR		053	9008	CONTINUOUSLY VARIABLE FROM -100DBM TO 008M	
	1.98291P42009	053	5218	CONTINUOUSLY VARIABLE -100DBM TO 008M	

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF F

SPEC NR L2 FAM CDDI ID NR

PARAMETER

EQUIPMENT NAME 00100

02 051 9009 SIGNAL GENERATOR, SHF
12959184400 051 5266 SIGNAL GENERATOR, SHF

CLASSIFICATION 00105

02 051 9009 TYPE II, CLASS 5, STYLE E, COLOR R, PIR MIL-T-28800
12959184400 051 5266 TYPE III, CLASS 5, COLOR R, STYLE F, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

02 051 9009 450MM(17.71IN)X365MM(14.37IN)X500MM(19.69IN)
12959184400 051 5266 450MM(17.71IN)X365MM(14.37IN)X462.6MM(18.18IN)

WEIGHT IN KG/LBS 00120

02 051 9009 33.5KG/67LBS
12959184400 051 5266 33.5KG/67LBS

ENCLOSURE (STYLE) 00130

02 051 9009 RACKMOUNT CAPABILITY

PWR SUPPLIES/CONSUMPTION 00140

02 051 9009 TYPE II, 50, 60, 600HZ, S-PHASE 115/230VAC/370 WATTS
12959184400 051 5266 50, 60 & 400HZ S-PHASE 115/230VAC

MTBF 00150

02 051 9009 2500 HOURS

06/18/90

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHE F

ACCURACY - PCT-
OR AS STATED

SPEC NR	LP	FAM CONE	ID NR	PARAMETER				
PRIMARY CONNECTORS								
07		051	9009	INPUT/OUTPUT SERIES BNC, RF OUTPUT, WRS1 WAYGUIDE				
TEMP OPERATING-OPERATING								
		051	5266	-55 TO 75 DEG C				
INTERNAL AND CAPABILITIES								
07		051	9009	FREQUENCY,PULSE & SO-WAVE MODULATION CAPABILITY				
		053	5266	FM,PULSE & SO-WAVE MOD				
EXTERNAL AND CAPABILITIES								
07		051	9009	FREQUENCY & PULSE MODULATION CAPABILITY				
		053	5266	EXT,FM & PULSE MOD				
HARMONIC DISTORTION								
07		051	9009	30DB BELOW LEVEL OF THE UNMOD CARRIER				
FM DISTORTION								
07		051	9009	OF MODULATED SIG FOR ALL FREQ'S DELY NO MORE THAN			2	PCT
		053	5266	MOD SIG DIST,NO GREATER THAN 2PCT ON ALL FREQ'S				
RFEN MOD-VOL VOLTAGE								
07		051	9009	THE EXTERNAL FM VOLTAGE SHALL BE LESS THAN 5V				
		053	5266	30DB BELOW UNMOD CARRIER				
RFEN MOD,SPURIOUS AM								
07		051	9009	SPURIOUS AM,AT ALL FM FREQ'S,DEVATION NO GREATER THAN			5	PCT

06/18/80

LP/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF E

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
FREQ MIN, STABILITY AM					
		24080			
FREQ MIN, CARRIER SHIFT					
		24080			
09		053	9009	DEV UPTO 25KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN	.005 PCT
FREQ MIN-INT. DEVIATION					
		26610			
09		053	9009	FREQ DEVIATION 0 TO 5MHZ	
		053	5266	0 TO 5MHZ P/P	
FREQ RANGE					
		26500			
09		053	9009	15GHZ TO 21GHZ	+/-1 PCT
		053	5266	15 TO 21GHZ W/LEV VARIATIONS NO MORE +/-10RIN 6 RANGES	+/-1 PCT
FREQ OUTPUT LEVEL STABIL					
		26700			
09		053	9009	OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN	+/-10B
IMPEDANCE, OUTPUT					
		36100			
09		053	9009	50 OHMS	
		053	5266	50 OHMS	
PULSE WID (P4)-1X					
		56000			
09		053	9009	PH, BY EXTERNAL 20 TO 60V, TUP-W/PULSE VAR 1FD2500USC	
PULSE WIDTH					
		56010			
09		053	9009	VARIABLE FROM 1US TO 10US	

06/18/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF F

SPEC NR LP FAM CTRY ID NR

PARAMETER

PULSE WIDTH 56010

10050164400 053 5266 1 TO 10USEC PULSE WIDTH

FX PULSE REJECTION RATE 56020

09 053 9009 9009 VARIABLE FROM 40 TO 40,000 PPS
10050164400 053 5266 40 TO 4000PPS

EXT PM INPUT IMPEDANCE 56050

09 053 9009 9009 50 OHMS

50-WAVE MODULATION 68500

09 053 9009 9009 VARIABLE FROM 40HZ TO 4KHZ
10050164400 053 5266 40 TO 4000HZ

STANDING WAVE RATIO SWP 67600

09 053 9009 9009 LESS THAN 2 TO 1

RF OUTPUT POWER 85700

09 053 9009 9009 CONTINUOUSLY VARIABLE FROM -100DBM TO 0DBM
10050164400 053 5266 0 TO -100DBM

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ACCURACY - PCI -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF F

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----				
10		053	0010	SIGNAL GENERATOR, SHF
CLASSIFICATION-----				
10		053	0010	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-20000
DIMENSIONS IN MM/INS-----				
10		053	0010	500MM(19IN)X520MM(20IN)X475MM(18IN)D
WEIGHT IN KG/LBS-----				
10		053	0010	36KG/80LBS
ENCLOSURE (STYLE)-----				
10		053	0010	RACKMOUNT CAPABILITY
PWR SUPPLY (S)/CONSUMPTION-----				
10		053	0010	TYPE II, 50.600400HZ, 5-PHASE 115/230VAC/300 WATTS
MTRF-----				
10		053	0010	2500 MUUPS
PRIMARY CIRCUICTOS-----				
10		053	0010	INPUT/OUTPUT, SERIES RMC, RF OUTPUT SERIES WR42 NAVIGUIDE
INTERNAL MOD CAPABILITIES-----				
10		053	0010	FREQUENCY PULSE & SU-WAVE MODULATION CAPABILITY

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - SIGNAL GENERATOR, SHF F

ACCURACY - PCF-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER		
EXTERNAL MOD CAPABILITIES 01400						
10		051	0010	FREQUENCY & PULSE MODULATION CAPABILITY		
HARMONIC DISTORTION 17400						
10		051	0010	30DB BELOW LEVEL OF THE UNMOD CARRIER		
FM DISTORTION 26010						
10		051	0010	OF MODULATED SIG FOR ALL FREQ'S DEV NO MORE THAN	2	PCI
FREQ MOD-EX-MOD VOLTAGE 26060						
10		051	0010	THE EXTERNAL FM VOLTAGE SHALL BE LESS THAN 5V		
FREQ MOD-SPURIOUS AM 26080						
10		051	0010	SPURIOUS AM AT ALL FM FREQ'S DEVIATION NO GREATER THAN	5	PCI
FREQ MOD-CARRIER SHIFT 26090						
10		051	0010	DEV UPTO 25KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN	.005	PCI
FREQ MOD-INT-DEVIATION 26410						
10		051	0010	FREQ DEVIATION 0 TO 5MHZ		
FREQ RANGE 26500						
10		051	0010	18GHZ TO 26.5GHZ	0/-1	PCI
FREQ OUTPUT LEVEL STABILITY 26700						
10		051	0010	OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN	0/-100	

06/18/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF F

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
IMPEDANCE - INPUT				
10		053	9010	50 OHMS
PULSE WIDTH				
10		053	9010	PH,RY EXTERNAL 20 TO 60V,OR-W/PULSE VAR 1102500USEC
PULSE WIDTH				
10		053	9010	VARIABLE FROM 1US TO 10US
EX.PULSE OPERATION RATE				
10		053	9010	VARIABLE FROM 40 TO 40,000 PPS
FRT PH, INPUT IMPEDANCE				
10		053	9010	50 OHMS
SQ-WAVE MODULATION				
10		053	9010	VARIABLE FROM 40HZ TO 4KHZ
STANDING WAVE RATIO SWR				
10		053	9010	LESS THAN 2 TO 1
RF OUTPUT POWER				
10		053	9010	CONTINUOUSLY VARIABLE FROM -100DBM TO 0DBM

+/-2DB

LR/SPECIFICATION ANALYSES

06/18/80

ACCURACY - PUT -
OR AS STATED

FAMILY NAME - SIGNAL GENERATOR, SHF G

SPEC NR	LR	FAM C/ID	ID NR	PARAMETER
EQUIPMENT NAME 00100				
11		053	9011	SIGNAL GENERATOR, SHF
CLASSIFICATION 00105				
11		053	9011	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
11		053	9011	500MM(19.7IN)X520MM(20.5IN)X475MM(18.7IN)D
WEIGHT IN KG/LBS 00120				
11		053	9011	38KG/80LBS
ENCLOSURE STYLE 00130				
11		053	9011	RACKMOUNT CAPABILITY
PWR SUPPLY (S)/CONSUMPTION 00140				
11		053	9011	TYPE II, 50.60E400HZ, S-PHASE 115/230VAC/300 WATTS
MTBF 00150				
11		053	9011	2500 HOURS
PRIMARY CONNECTORS 00170				
11		053	9011	INPUT/OUTPUT SERIES RNC, RF OUTPUT, WR28 WAVEGUIDE
INTERNAL QMM CAPABILITIES 01100				
11		053	9011	FREQUENCY, PULSE & SO-WAVE MODULATION CAPABILITY

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LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF G

ACCURACY -PCT-
OR AS STATED

SPEC NR	LO	FAM CODE	ID NR	PARAMETER			
EXTERNAL MOD CAPABILITIES 01400							
11		051	9011	FREQUENCY & PULSE MODULATION CAPABILITY			
HARMONIC DISTORTION 17400							
11		051	9011	3000 BELOW LEVEL OF THE UNMOD CARRIER			
FM DISTORTION 24010							
11		051	9011	OF MODULATED SIG FOR ALL FREQ'S DEV NO MORE THAN	2	PCT	
FREQ MOD-FM MOD VOLTAGE 24060							
11		051	9011	THE EXTERNAL FM VOLTAGE SHALL BE LESS THAN 5V			
FREQ MOD-SPURIOUS AM 24080							
11		051	9011	SPURIOUS AM, AT ALL FM FREQ'S DEVIATION NO GREATER THAN	5	PCT	
FREQ MOD-CARRIER SHIFT 24090							
11		051	9011	DEV UPTO 25KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN	.005	PCT	
FREQ MOD-FM DEVIATION 24410							
11		051	9011	FREQ DEVIATION 0 TO 5MHZ			
FREQ RANGE 24500							
11		051	9011	26.55GHZ TO 40GHZ	±/-1	PCT	
FREQ OUTPUT LEVEL STABLE 24700							
11		051	9011	OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN	±/-10M		

06/10/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF G

SPEC NO	ID	FAM CODE	ID NR	PARAMETER
IMPEDANCE (INPUT)				
11	051	9011	50 OHMS	
PULSE MOD (PM)-FX				
11	051	9011	PM, BY EXTERNAL 20 TO 60V, +OR-, W/PULSE VAR 1 TO 2500 USEC	
PULSE WIDTH				
11	051	9011	VARIABLE FROM 1US TO 10US	
FX PULSE REpetition RATE				
11	051	9011	VARIABLE FROM 40 TO 40,000 PPS	
EXT PM, INPUT IMPEDANCE				
11	051	9011	50 OHMS	
50-WAVE MODULATION				
11	051	9011	VARIABLE FROM 40HZ TO 4KHZ	
STANDING WAVE RATIO SWR				
11	051	9011	LESS THAN 2 TO 1	
RF OUTPUT POWER				
11	151	9011	CONTINUOUSLY VARIABLE FROM -100DBM TO 0DBM	+/-2DB

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF H

SPEC NR	I.P	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
12		053	9012	SIGNAL GENERATOR, SHF
	199201943012	053	5219	SIGNAL GENERATOR (2GHZ TO 18GHZ)
CLASSIFICATION 00105				
12		053	9012	TYPE II, CLASS 5, STYLE E, COLOR R, PFR MIL-T-28800
	199201943012	053	5219	TYPE III, CLASS 5, COLOR R, STYLE I, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
12		053	9012	440MM(16 3/4IN)HX275MM(10 1/2IN)HX425MM(16 1/4IN)D
	199201943012	053	5219	440MM(16.5IN)HX275MM(10.5IN)HX425MM(16.3IN)D
WEIGHT IN KG/LBS 00120				
12		053	9012	24.5KG(57LBS)
	199201943012	053	5219	24.5KG(57LBS) MAX
ENCLOSURE (STYLE) 00130				
12		053	9012	RACKMOUNT CAPABILITY
	199201943012	053	5219	STYLE E
PWR SOURCE (S)/CONSUMPTION 00140				
12		053	9012	TYPE II, 50.606400HZ, S-PHASE 115/230VAC/150 WATTS
	199201943012	053	5219	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
MFRF 00150				
12		053	9012	2500 MUW05

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF H

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
PRIMARY CONNECTORS					
		00170			
12		053	9012	INPUT/OUTPUT, SERIES RNC FEHALF, RF OUTPUT SERIES N FEM	
TEMP OPERATING-OPERATING					
		00210			
	10829LR43012	053	5219	-55C TO +75C STORAGE	
INTERNAL MOD CAPABILITIES					
		01300			
12		053	9012	FREQUENCY, PULSE & SQ-WAVE MODULATION CAPABILITY	
	10829LR43012	053	5219	FREQ + PULSE AND SQ-WAVE MODULATION CAPABILITY	
EXTERNAL MOD CAPABILITIES					
		01400			
12		053	9012	FREQUENCY & PULSE MODULATION CAPABILITY	
HARMONIC DISTORTION					
		10400			
12		053	9012	30DB BELOW LEVEL OF THE UNMOD CARRIER	
	10829LR43012	053	5219	30DB BELOW THE LEVEL OF UNMOD CARRIER	
FM DISTORTION					
		26010			
12		053	9012	OF MODULATED SIG FOR ALL FREQ'S DEV NO MORE THAN	2 PCT
RFQ MOD-EX MOD VOLTAGE					
		24060			
12		053	9012	THE EXTERNAL FM VOLTAGE SHALL BE LESS THAN 5V	
RFQ MOD-500F1005 AM					
		26040			
12		053	9012	SPURIOUS AM, AT ALL FM FREQ'S DEVIATION NO GREATER THAN	5 PCT

LR/SPECIFICATION ANALYSES.

06/18/80

FAMILY NAME - SIGNAL GENERATOR, SHF H

ACCURACY -PCT-
OR AS STATED

PARAMETER

SPEC NR LR FAM CDDT NR

FREQ MOD-CARRIER SHIFT 24090

.005 PCT

DEV UPTO 25KHZ SHALL NOT CAUSE CARRIER SHIFT MORE THAN

FREQ MOD-INT.DEVIATION 24410

FREQ DEVIATION 0 TO 5MHZ

FREQ DEVIATION 0 TO 5MHZ P-P MIN

FREQ RANGE 24500

+/-1 PCT

IN 6 RANGES

+/-1 PCT

IN 6 RANGES

FREQ OUTPUT LEVEL STABLE 24700

+/-108

OUTPUT LEVEL VARIATION FOR ALL FREQ'S NO GREATER THAN

+/-1 DB

OUTPUT LEVEL VARIATION FOR ALL FREQ BANDS NO GREATER THAN

IMPEDANCE, OUTPUT 34300

50 OHMS

50 OHMS

PULSE MOD (P4)-14 56000

PM,RY EXTERNAL 20 TO 60V,+OR-+M/PULSE VAR 1102500USEC

PULSE WIDTH 56010

VARIABLE FROM 1US TO 10US

PR,PULSE DUTY CYCLE RATE 56020

VARIABLE FROM 40 TO 40,000 PPS

06/10/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, SHF II

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EXT PM INPUT IMPEDANCE -----				
12		051	9012	50 OHMS
PULSE MOD INTERNAL -----				
	100201043012	051	5219	40 TO 4000 PPS PULSE WIDTHS OF 1 TO 10US
SQ-WAVE GENERATION -----				
12		051	9012	VARIABLE FROM 40HZ TO 4KHZ
	100201043012	051	5219	VARIABLE FROM 40HZ TO 4000HZ
STANDING WAVE RATIO SWR -----				
12		051	9012	LESS THAN 2 TO 1
RF OUTPUT POWER -----				
12		051	9012	CONTINUOUSLY VARIABLE FROM -100DBM TO 0DBM
	100201043012	051	5219	CONTINUOUSLY VARIABLE -100DBM TO 0DBM

0/-208

06/18/80

ACCURACY -PCT-
OR AS STATED

L9/SPECIFICATION ANALYSES

FAMILY NAME - NOISE FIGURE METER

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----				
11		055	9013	SIGNAL GENERATOR, THERMAL NOISE
	124501P10013	055	5264	NOISE INDICATOR
FUNCTION-----				
	124501P10013	055	5264	GENERATES & MEASURES NOISE SOURCE LEVELS
CLASSIFICATION-----				
11		055	9013	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20800
	124501P10013	055	5264	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-20800
DIMENSIONS IN MM/INS-----				
11		055	9013	500MM(19IN)HX315MM(12IN)HX520MM(20IN)D
	124501P10013	055	5264	482.6MM(19IN)HX315MM(12IN)HX508MM(20IN)D
WEIGHT IN KG/LBS-----				
11		055	9013	20KG/45LBS
	124501P10013	055	5264	20KG/45LBS
ENCLOSURE (STYLE)-----				
11		055	9013	BACKMOUNT CAPABILITY
PWR SOURCE (31)/CONSUMPTION 00140-----				
11		055	9013	TYPE II, 50.60±6 400HZ, 5-PHASE 115/230VAC/100 WATTS
	124501P10013	055	5264	50.60 ± 400HZ 5-PHASE 115/230VAC

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LR/SPECIFICATION ANALYSES

FAMILY NAME - NOISE FIGURE METER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	

NIIE		00150			
13		055	9013	5000 HOURS	

PRIMARY CONNECTIONS					
		00170			
13		055	9013	NOISE INDICATOR,BNC FEMALE,NOISE SOURCE-(N-MALE)E105M	
	194501019013	055	5264	INDICATOR BNC-FEM/SOURCE N,MALE TO 12GHzE05M FEM T018GHZ	+/-10 PCT

TEMP OPERATING-OPERATING 00210

/-55 TO 75 DEG C

5264

194501019013

055

OUTPUT IMPEDANCE 35200

50 OHMS

9013

055

50 OHMS

5264

055

NOISE FIG IND.FREQ RANGE 44000

40MHZ TO 150MHZ

9013

055

40MHZ TO 150MHZ

5264

055

NOISE FIG FWD.BANDWIDTH 44100

5MHZ BANDWIDTH

9013

055

5MHZ OR GREATER

5264

055

NOISE FIG IMP.SENSITIVITY 44200

-70DBM TO -100DBM

9013

055

-70 TO -100DBM/NOISE SOURCE ON

5264

055

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - NOISE FIGURE MTFP

ACCURACY - PCT -
OR AS STATED

SPEC NR	LR	FAM CONF	ID NR	PARAMETER	
NOISE SOURCE					

13		055	9013	MAXIMUM OF 3 NOISE DEVICES PFR OPERATING FREQ	
	104501010013	055	5264	MAXIMUM OF 3 NOISE SOURCE DEVICES PER OPER FREQ	
NOISE SOURCE OF EXCESS NOISE					

13		055	9013	EXCESS NOISE RATIO, 1500, W/ACCURACY OF INDICATED VALUE:	+/- .508
	104501010013	055	5264	15.508	+/- .608
NOISE SOURCE, NOISE FREQ R					

13		055	9013	10MHZ TO 18GHZ	
	104501010013	055	5264	10MHZ TO 18GHZ	
STANDING WAVE RATIO SWR					

13		055	9013	LESS THAN 3 TO 1	
	104501010013	055	5264	SWR MAX, 3.0	

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, THERMAL NOISE R

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME ----- 00100				
14		055	9014	SIGNAL GENERATOR, THERMAL NOISE
	198401052014	055	5256	SIGNAL GENERATOR, THERMAL
CLASSIFICATION ----- 00105				
14		055	9014	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20000
	198401052014	055	5256	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-20000
DIMENSIONS IN MM/INS ----- 00110				
14		055	9014	340MM(13.3IN)X190MM(7.5IN)X290MM(11.4IN)
	198401052014	055	5256	340MM(13.3IN)X190MM(7.5IN)X290MM(11.4IN)
WEIGHT IN KG/LBS ----- 00120				
14		055	9014	6KG(13LBS)
	198401052014	055	5256	6KG(13LBS)
ENCLOSURE (STYLE) ----- 00130				
14		055	9014	RACKMOUNT CAPABILITY
PWR SUPPLIES/CONSUMPTION 00140				
14		055	9014	TYPE II, 50.60 & 400HZ, 5-PHASE 115/230VAC/50 WATTS
	198401052014	055	5256	50HZ, 60HZ, 400HZ 5-PHASE 115/230VAC
MTBF ----- 00150				
14		055	9014	5000 HOURS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, THERMAL NOISE B

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
PRIMARY CONNECTIONS-----					
14		055	9014	OUTPUT, DUAL BANANA, FEMALE	
TEMP OPERATING RATING-----					
	1084215,2014	055	5256	-55C TO +75C STORAGE	
OUTPUT ATTENUATION-----					
14		055	9014	0 TO 80 DB, IN 20 DB STEPS	
	1084215,2014	055	5256	AT LEAST 80DB IN NO GREATER THAN 20DB STEPS	
OUTPUT IMPEDANCE-----					
14		055	9014	900 OHMS	±/-10 PCT
	1084215,2014	055	5256	900 OHMS	
NOISE SOURCE, NOISE FREQ R-----					
14		055	9014	5HZ TO 5MHZ, IN 3 FREQ SPECTRUMS, 20KHZ, 500KHZ, 45MHZ	±/-10 PCT
	1084215,2014	055	5256	5HZ TO 5MHZ, IN 3 FREQ SPECTRUMS OF 01020KHZ, 500KHZ, 45MHZ	±/-10 PCT
SIGNAL OUTPUT VOLTAGE-----					
14		055	9014	MAXIMUM OPEN CKT VOLTAGE, 3V	
	1084215,2014	055	5256	3VOLTS MIN	

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, UNF A

ACCURACY -PCT-
OR AS STATED

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----				
	100201017015	107	5224	SIGNAL GENERATOR (UNF) (500MHZ - 1.2GHZ)
CLASSIFICATION-----				
	100201017015	107	5224	TYPE III, CLASS S, COLOR R, STYLE L, PER MIL-T-28800
DIMENSIONS IN MM/INS-----				
	100201017015	107	5224	500MM(19IN)X500MM(19IN)X520MM(20IN)D
WEIGHT IN KG/LBS-----				
15	107	0015		27KG(60LBS)
	100201017015	107	5224	27KG(60LBS) MAX
ENCLOSURE (STYLE)-----				
	100201017015	107	5224	STYLE E
PWR SOURCE(S)/CONSUMPTION-----				
	100201017015	107	5224	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
TEMP OPER/STOR-OPERATING-----				
	100201017015	107	5224	-55C TO +75C STORAGE
AMPLITUDE MODULATION-----				
	100201017015	107	5224	20HZ TO 20KHZ BY SINE & SW WAVE
EXTERNAL AM SENSITIVITY-----				
	100201017015	107	5224	0 TO AT LEAST 90PCT

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, UNF A

ACCURACY - PCT -
OR AS STATED

SPEC NR	LP	FAM ENR	ID NR	PARAMETER	
AMP MOD-INT		01500			
198201037015		107	5224	SELECTIVE BETWEEN 400HZ TO 1000HZ	
AM INTERNAL DISTORTION		01650			
198201037015		107	5224	NOT TO EXCEED 2PCT	
AM SPURIOUS MODULATION		01650			
198201037015		107	5224	LESS THAN SPCT AT FM DEVIATION OF 40KHZ	
OUTPUT ATTENUATION		01600			
198201037015		107	5224	UP TO 100DB	
FM INTERNAL DISTORTION		19600			
198201037015		107	5224	LESS THAN 25HZ	
FM DEVIATION		26020			
198201037015		107	5224	3KHZ TO 300KHZ	
FREQ RANGE		24500			
15		107	9015	500MHZ TO 1.2GHZ IN NMT 5 BANDS	0/-1 PCT
FREQUENCY OUTPUT RANGE		26600			
198201037015		107	5224	500MHZ TO 1.6GHZ	0/-1 PCT
OUTPUT FREQUENCY RESPONSE		26100			
198201037015		107	5224	NOT TO EXCEED FOR ANY FREQ RANGE	0/-2 DB

LP/SPECIFICATION ANALYSES

06/18/80

ACCURACY -PCT-
OR AS STATED

FAMILY NAME - SIGNAL GENERATION, UNF A

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
IMPEDANCE, INPUT				

	10020LE17015	107	5224	600 OHMS
OUTPUT IMPEDANCE				

	10020LE17015	107	5224	50 OHMS
RF SPURIOUS OUTPUT				

	10020LE17015	107	5224	30DB BELOW LEVEL OF UNMODULATED CARRIER
RF VOLTAGE OUTPUT				

	10020LE17015	107	5224	0.5V RMS ACROSS 50 OHM LOAD

06/10/80

ACCURACY - PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, UHF R

SPEC NO	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
16		107	9016	GENERATOR-SIGNAL,UHF
	10020LR10016	107	5225	SIGNAL GENERATOR (UHF) (1800MHZ - 2.4GHZ)
CLASSIFICATION 90105				
	10020LR10016	107	5225	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-20800
DIMENSIONS IN MM/INS 00110				
16		107	9016	402MM(19IN)WX315MM(12IN)HX525MM(21IN)D
	10020LR10016	107	5225	403MM(19IN)WX305MM(12IN)HX500MM(20IN)D
WEIGHT IN KG/LBS 00120				
16		107	9016	27KG(60LBS)
	10020LR10016	107	5225	27.3KG(60LBS) MAX
ENCLOSURE (STYLE) 00110				
16		107	9016	MIL-T-20800 STYLE E W/RACK MOUNT CAPABILITY
	10020LR10016	107	5225	STYLE E
PWR SOURCE(S)/CONSUMPTION 00140				
16		107	9016	TYPE II 50,60,400HZ SINGLE PHASE 115/230VAC/240V
	10020LR10016	107	5225	50HZ,60HZ,400HZ S-PHASE 115/230VAC
MTRF 00150				
16		107	9016	2000 HRS

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, UNIF R

SPEC NR	LP	FAM C700	ID NR	PARAMETER
PRIMARY CONNECTORS				
16		107	9016	RNC SERIES, RF N-SERIES
ENVIRONMENTAL CONDITIONS				
16		107	9016	MIL-T-28000 TYPE II CLASS 5 STYLE E COLOR R
TEMP OPER/MON-OPERATING				
16		107	9016	0 TO 50C/-55 TO 75C
	10020LR10016	107	5225	-55C TO +75C STORAGE
RELATIVE HUMIDITY				
16		107	9016	95(+5-0)
ALTITUDE OPER/MON-OPER				
16		107	9016	3050M(10000FT)/12000M(40000FT)
VIBRATION LIMIT (MAXIMUM)				
16		107	9016	2G
SHOCK, SINUS LEVEL				
16		107	9016	30G
AMP MOD-S, MOD LEVEL				
16		107	9016	200HZ TO 20KHZ BY SINE OR SQ-WAVE EXT AM
	10020LR10016	107	5225	200HZ TO 20KHZ SINE OR SQUARE WAVE

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - SIGNAL GENERATOR, IHE B

ACCURACY -PCT-
OR AS STATED

SPEC NR L# FAM CODE ID NR

PARAMETER

EXTERNAL AM SENSITIVITY 01230

16 107 9016 NCT 5V P/P SINE OR SO-WAVE TO PRODUCE 90 PCT MOD

AMP MOD-INT 01600

10+ PCT

SELECTIVE BETWEEN 400-1000HZ SINE AND SO-WAVE
0 TO 90PCT AT 400HZ AND 1000HZ

AM INTERNAL DISTORTION 01640

DISTORTION OF AM CARRIER NOT TO EXCEED 2PCT

5 PCT

AT ANY FREQ AND DEV SET AT 40KHZ SPURIOUS AM MGT

OUTPUT ATTENUATION 01600

+/- .2DB

RANGE NLT 100DB W/100R VERNIER DIAL AT 100 STEPS

+/-0.2 DB

RANGE NLT 100DB W/100R VERNIER CALIBRATED IN 100 STEPS

FM INTERNAL DISTORTION 10600

2 PCT

MOD SIGNAL DISTORTION ON ALL FREQ MGT

FM DEVIATION 26020

INT AND EXT 3 TO 300KHZ DEV CAPABILITY

INT 5 EXT 3KHZ TO 300KHZ DEV CAPABILITY

DC MOD OUT TO VIBRATION 26640

WHEN VIBRATION-MGT 200HZ DEVIATION AT 900/1600/2200MHZ

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, UNF R

SPEC NR	LS	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
FREQ RANGE-----					
16		107	9016	800MHZ TO 2.4GHZ IN NMT 5 BANDS	+/-2 PCT
FREQUENCY OUTPUT RANGE-----					
16		107	9016	800MHZ TO 2.4GHZ W/NMT 5 BANDS	+/-2 PCT
	100201010016	107	5225	800MHZ TO 2.4GHZ NMT 5 FREQ BANDS, INDICATED VALUE	+/-2 PCT
OUTPUT FREQUENCY RESPONSE-----					
16		107	9016	FREQ OUTPUT LEVEL VARIATION NCT +/-10DB ON ANY BAND	+/-10DB
	100201010016	107	5225	NOT TO EXCEED OVER THE RANGE OF ANY FREQ BAND	+/-1 DB
FREQ SHIFT-----					
16		107	9016	CARRIER SHIFT W/MOD FREQ NCT	.005 PCT
IMPEDANCE - INPUT-----					
16		107	9016	6000HM AM INPUT	+/-5 PCT
OUTPUT IMPEDANCE-----					
16		107	9016	500HM	
MODULATION WAVE TAG-----					
16		107	9016	DIFFERENCE BETWEEN 10KHZ AND 1MHZ DEV SHOULD NOT VARY	+/-10 PCT
	100201010016	107	5225	10MHZ DIV/100MHZ-15KHZ MOD/V +/-10PCT FOR V REQ AT 1KHZ	
MODULATION SSB-WAVE-----					
	100201010016	107	5225	INT 50-WAVE MIN SHALL BE 1000HZ	+/-10 PCT

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, UNIT 8

ACCURACY -PLT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
PULSE MOD (PM)-FX				
16		107	9016	EXT PULSE MOD CAPABILITY
PULSE MOD INTERNAL				
16		107	9016	INT PULSE MOD OF 40-4000PPS
RF SPURIOUS OUTPUT				
16		107	9016	30DB BELOW LEVEL OF UNMODULATED
RF NOISE LEVEL				
16		107	9016	NGT 25HZ AT ANY FREQ
STANDING WAVE RATIO SWR				
16		107	9016	LT 2.0 TO 1
RF VOLTAGE OUTPUT				
16		107	9016	RF MLT .5V RMS ACROSS 50OHM LOAD
	1 1/20L 10016	107	5225	RF MLT 0.5V RMS ACROSS 50 OHM LOAD

4/-108

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, VHF A

SPEC NR	LC	FAM CODE	ID NR	PARAMETER	
AMP MOD-INT,PERCENTAGE					
17		106	9017	INT 6 EXT AM CAPABILITY W/O-90 PCT MODULATION	GT 10 PCT
FREQ RANGE					
17		106	9017	10MHZ TO 512MHZ IN MMT 5 BANDS	9/-1 PCT
RF NOISE LEVEL					
17		106	9017	NCT 25HZ AT ANY FREQ	

06/18/80

ACCURACY - PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, VHF R

SPEC NR	LO	FAM CODE	ID NR

PARAMETER

EQUIPMENT NAME 00100

10	106	9010
104201015010	106	5223

GENERATOR SIGNAL, VHF

SIGNAL GENERATOR (VHF) (450MHZ - 512MHZ)

CLASSIFICATION 00105

104201015010	106	5223

TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

10	106	9010
104201015010	106	5223

483MM(19IN)WX610MM(24IN)HX533MM(21IN)D

500MM(19IN)WX160MM(6IN)HX470MM(18IN)D

WEIGHT IN KG/LOS 00120

10	106	9010
104201015010	106	5223

22.7KG(50LBS)

21KG(47LBS) MAX

ENCLOSURE (STYLE) 00130

10	106	9010
104201015010	106	5223

MIL-T-28800B STYLE E W/RACKMOUNT CAPABILITY
STYLE E

PWR SUPPLY (S)/CONSUMPTION 00140

10	106	9010
104201015010	106	5223

TYPE II 50+60+400HZ SINGLE PHASE 115/230VAC/125W
50HZ+60HZ+400HZ 5-PHASE 115/230VAC

MTBF 00150

10	106	9010

2000HRS

06/18/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, VHF R

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
PRIMARY CONNECTORS				
18		106	9018	RNC SERIES RF-N-SERIES
ENVIRONMENTAL CONDITIONS				
18		106	9018	MIL-T-20800 TYPE II CLASS 5 STYLE F COLOR R
TEMP OPER/NON-OPERATING				
18		106	9018	0 TO 50C/-55 TO 75C
19		106	9018	-55C TO +75C
RELATIVE HUMIDITY				
18		106	9018	95(+5-1)
ALTITUDE OPER/NON-OPER				
18		106	9018	3050M(10000FT)/12000M(40000FT)
VIBRATION LIMIT (MAXIMUM)				
18		106	9018	2G
SHOCK PULSE LEVEL				
18		106	9018	30G
AMPLITUDE MODULATION				
18		106	9018	20KHZ TO 200KHZ BY INT OR EXTERNAL SINE OR SD WAVE
EXTERNAL A4 SENSITIVITY				
18		106	9018	SINE OR SD-WAVE LT SV P/P TO PRODUCE MOD OF 95PCT

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, VIII B

ACCURACY -PCT-
OR AS STATED

PEC NR	10	FAM CODE	ID NR	PARAMETER	
AMP MOD-INT		01600			
1A	106	106	9018	SELECTIVE BETWEEN 400-1000HZ	+/-5 PCT
	106	106	5223	SELECTABLE BETWEEN 400HZ AND 1000HZ	+/-10 PCT
AMP MOD-INT, PCT NTAGE		01610			
1A	106	106	9018	0-95 PCT AM BY INT OR EXT SIGNAL SOURCES	
	106	106	5223	AT LEAST 0 TO 90PCT AM-MOD BY BOTH EX/IN AUDIO TONE	
		01620			
1A	106	106	9018	0-95 PCT AM BY INT OR EXT SIGNAL SOURCES	
AM INTERNAL DISTORTION		01640			
1A	106	106	9018	DISTORTION OF AM CARRIER NGT	2 PCT
	106	106	5223	ALL FREQ BANDS MAX DISTORTION OF S	2 PCT
OUTPUT ATTENUATION		01600			
1A	106	106	9018	NLT 120DB W/100B VERNIER IN 10R STEPS	+/-0.2 PDB
	106	106	5223	UP TO 1200B W/100R VERNIER IN 10R STEPS	+/-0.2 DB
		06020			
1A	106	106	9018	INTERNAL AND EXTERNAL DEV CAPABILITY OF 0-40KHZ RMS	
FM DEVIATION		26370			
		106	5223	INTERNAL & EXTERNAL DEV CAPABILITY OF 0 TO 40KHZ RMS	
PF MOD DB IN VIBRATION		26660			
1A	106	106	9018	AT ANY FREQ W/DIVIATION SFT AT 40PHZ NGT	5 PCT

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATOR, VHF B

SPEC NR	LR	FAM CNOF	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
FREQ RANGE					
1A	106	26500	9018	450KHZ TO 512MHZ	+/-0.5 PCT
FREQUENCY OUTPUT RANGE					
1A	106	26500	9018	450KHZ TO 512MHZ	+/-0.5 PCT
1A	106	26500	5223	450KHZ TO 512MHZ	+/-0.5 PCT
OUTPUT FREQUENCY RESPONSE					
1A	106	26500	9018	OVER ANY BAND NGT	+/-2 DB
1A	106	26500	5223	OVER ANY FREQ BAND MAX DEVIATION	+/-2 DB
CARRIER FREQUENCY SHIFT					
1A	106	26500	9018	CARRIER FREQUENCY SHIFT W/MOD FREQ NGT	.005 PCT
IMPEDANCE INPUT					
1A	106	26500	9018	600 OHMS	+/-5 PCT
OUTPUT IMPEDANCE					
1A	106	26500	9018	IMPEDANCE OUTPUT 50 OHMS	
1A	106	26500	5223	IMPEDANCE OUTPUT 50 OHMS	
MODULATION VOLTAGE					
1A	106	26500	9018	DIFFERENCE BETWEEN 10KHZ & 1KHZ DEV SHALL NOT VARY	+/-10 PCT
PULSE MOD FORM-FM					
1A	106	26500	9018	EXTERNAL SIGNAL MOD CAPABILITY	

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SIGNAL GENERATION, VHF R

ACCURACY -PLT-
OR AS STATED

SPEC NR	LD	FAM CODE	ID NR	PARAMETER
PULSE MOD (PM)-FX				
	106	5223	5223	EX SIGNAL MOD CAPABILITY
PULSE MOD INTERNAL				
	106	9018	9018	INTERNAL PM CAPABILITY AT 50 TO 5000PPS W/10-40USEC WIDT
	106	5223	5223	PM 50 TO5000PPS,W/PULSE WIDTH FROM 10 TO 40US
RF SPURIOUS OUTPUT				
	106	9018	9018	HARMONIC CONTENT LEVEL
	106	5223	5223	HARMONIC CONTENT LEVEL AT LEAST 30DB BELOW UNMOD CXR
RF NOISE LEVEL				
	106	9018	9018	RF NOISE LEVEL AT LEAST 35DB BELOW CARRIER LEVEL
STANDING WAVE RATIO SWR				
	106	9018	9018	LT 1.2
RF VOLTAGE OUTPUT				
	106	9018	9018	RF VOLTAGE VARIABLE 1UV TO 1V ACROSS 50 OHM LOAD
	106	5223	5223	VOLTAGE VARIABLE UP TO 1V RMS ACROSS 50 OHM LOAD

+/-108

+/-1 DB

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FUNCTION GENERATOR, SIGNAL

SPEC NR L^o FAM CINF ID NR

PARAMETER

EQUIPMENT NAME 00100

19 001 9019 GENERATOR, SIGNAL, FUNCTION

19920LR47019 047 5213 SIGNAL GENERATOR, FUNCTION

CLASSIFICATION 00105

19 001 9019 TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28000

19920LR47019 047 5213 TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000

DIMENSIONS IN MM/INS 00110

19 001 9019 450MM(17IN)X170MM(7IN)X406MM(16IN)D

19920LR47019 047 5213 440MM(16.8IN)X160MM(6IN)X400MM(15IN)D

WEIGHT IN KG/LBS 00120

19 001 9019 11KG(23LBS)

19920LR47019 047 5213 9KG(20LBS)

ENCLOSURE (STYLE) 00110

19 001 9019 MIL-T-28000 STYLE E, W/RACKMOUNT CAPABILITY

19920LR47019 047 5213 STYLE C

POWER SUPPLY CONSUMPTION 00140

19 001 9019 TYPE II, 50, 60, 400HZ, S-PHASE, 115/230VAC/25WATTS

19920LR47019 047 5213 50HZ, 60HZ, 400HZ S-PHASE 115/230VAC

MTRF 00150

19 001 9019 2000 MINOPS

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LR/SPECIFICATION ANALYSES

FAMILY NAME - FUNCTION GENERATOR, SIGNAL

ACCURACY - PCT -
OR AS STATED

SPEC NR	LP	FAM C'DE	ID NR	PARAMETER		
PRIMARY CONNECTORS						
19		00120		SERIES BNC		
OUTPUT ATTENUATION						
19		001600				
19		001	9019	6000 RANGE IN 100B STEPS, W/VERIER VARIABLE, 0 TO 100B		+/-0.208
	198296847019	047	5213	500B RANGE ADDITIONAL 100B VERNIER CALIBRATED IN 10B STEPS		
DC OFFSET						
19		15400				
19		001	9019	DC OFF SET FOR ALL WAVE FORMS, VARIABLE +/-5V		
	198296847019	047	5213	CONT ADJ FROM - 10VDC TO +10VDC		
DISTORTION-OUTPUT						
19		19100				
19		001	9019	OUTPUT DISTORTION NOT TO EXCEED 1PCT AT 1KHZ		
HARMONIC DISTORTION						
19		19400				
19		001	9019	3200 BELOW FUNDAMENTAL FREQ		
FREQUENCY OUTPUT RANGE						
19		26600				
19		001	9019	.1HZ TO 10MHZ	IN 10 RANGES	+/-1 PCT
	198296847019	047	5213	0.1HZ TO 10MHZ	IN 10 RANGES	+/-5 PCT
OUTPUT FREQUENCY RESPONSE						
19		26800				
19		001	9019	VARIATION NO GREATER THAN +/-10H OVER FREQ BAND		
	198296847019	047	5213	VARIATIONS NO GREATER THAN +/-10H AT ANY FREQ BAND		
OUTPUT IMPEDANCE						
19		15200				
19		001	9019	50 AND 600 OHMS (NOMINAL)		

ACCURACY -PCT-
OR AS STATED

CLR/SPECIFICATION ANALYSES

FAMILY NAME - FUNCTION GENERATOR, SIGNAL

TEST SPEC. NO.	TEST	TEST NO.	TEST NAME	TEST VALUE	TEST UNIT	TEST TOLERANCE	TEST METHOD	TEST EQUIPMENT	TEST DATE	TEST STATUS	TEST COMMENTS
1000	1000-1	1000-1-1	OUTPUT IMPEDANCE	35.000	Ω	±1.0%	4199	1000-1-1-1	1000-1-1-1	1000-1-1-1	1000-1-1-1
		1000-1-2	LOG/IN SWEEP	40.000	dB	±1.0%	4199	1000-1-1-2	1000-1-1-2	1000-1-1-2	1000-1-1-2
	1000-2	1000-2-1	SIGNAL WAVEFORMS	50.000	V	±1.0%	4199	1000-2-1-1	1000-2-1-1	1000-2-1-1	1000-2-1-1
		1000-2-2	SQUARE WAVE	50.000	V	±1.0%	4199	1000-2-1-2	1000-2-1-2	1000-2-1-2	1000-2-1-2
	1000-3	1000-3-1	SAWTOOTH	50.000	V	±1.0%	4199	1000-3-1-1	1000-3-1-1	1000-3-1-1	1000-3-1-1
		1000-3-2	TRIANGLE WAVE	50.000	V	±1.0%	4199	1000-3-1-2	1000-3-1-2	1000-3-1-2	1000-3-1-2
	1000-4	1000-4-1	OUTPUT VOLTAGE	50.000	V	±1.0%	4199	1000-4-1-1	1000-4-1-1	1000-4-1-1	1000-4-1-1
		1000-4-2	SIGNAL OUTPUT VOLTAGE	60.000	V	±1.0%	4199	1000-4-1-2	1000-4-1-2	1000-4-1-2	1000-4-1-2
	1000-5	1000-5-1	FUNCTIONS	70.000	V	±1.0%	4199	1000-5-1-1	1000-5-1-1	1000-5-1-1	1000-5-1-1
		1000-5-2	FUNCTIONS	70.000	V	±1.0%	4199	1000-5-1-2	1000-5-1-2	1000-5-1-2	1000-5-1-2

LR/SPECIFICATION ANALYSES

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FAMILY NAME - FUNCTION GENERATOR, SIGNAL

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER		
	FUNCTION, CW	70500				
19		001	9019	SINGLE CW FREQUENCY SELECTION		
	FUNCTION, DELTA F	70010				
19		001	9019	SWEEP SYMMETRICALLY ABOUT CTR FREQ AT SELECTED SWP WIDTH		
	FUNCTION MARKERS	71030				
19		001	9019	MARKER VARIABLE IN EACH RANGE	+/ -1	PCT
	SWEEP FUNCTION START/STOP	72040				
19		001	9019	START SWEEPING FROM F1 AND STOP AT F2		
	SWEEP MODE	72400				
19		001	9019	SELECTABLE, MANUAL, AUTOMATIC, EXT TRIGGER OR FREE RUN MODE		
	SWEEP OUTPUT VOLTAGE	72010				
19		001	9019	0 TO 5 VOLTS INTO 600 OHMS IMPEDANCE		
	SWEEP RATE	73200				
19		001	9019	ADJUSTABLE, 1MILLISEC-30SEC PER SWEEP + LINE RATE 50/60HZ	+/ -3	PCT
	SYNCHRONIZATION, MODE OF	74400				
19		001	9019	SYNC CAPABILITY FROM EXTERNAL SOURCE, W/INPUT UP TO 3V P/P		
	WAVEFORM(S)	96000				
				SELECTABLE - SINE, SQUARE, SAWTOOTH, TRIANGLE AND PULSE WAVEF		

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SHEEP GENERATOR, HF

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
20		052	9020	SHEEP GENERATOR, HF
	10020LR40020	052	5220	SIGNAL GENERATOR, SHEEP (100KHZ - 110MHZ)
CLASSIFICATION 00105				
70		052	9020	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	10020LR40020	052	5220	TYPE III, CLASS 5, COLOR R, STYLE L, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
20		052	9020	470MM(18IN)HX235MM(9IN)HX520MM(20IN)D
	10020LR40020	052	5220	470MM(18IN)HX235MM(9IN)HX520MM(20IN)D
WEIGHT IN KG/LBS 00120				
20		052	9020	24KG(53LBS)
	10020LR40020	052	5220	24KG(53LBS)
ENCLOSURE STYLE 00130				
20		052	9020	RACKMOUNT CAPABILITY
	10020LR40020	052	5220	STYLE F
PWR SUPPLY (S1/C) CONSUMPTION 00140				
20		052	9020	TYPE II, 50, 60 & 400HZ, S-PHASE 115/230VAC/75 WATTS
	10020LR40020	052	5220	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
WIRE 00150				
20		052	9020	4500 HUIPS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SWEEP GENERATOR, HF

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
PRIMARY CONNECTORS					

20		052	9020	RF OUTPUT, SERIES M-FEMALE	
TEMP OPERATING-OPERATING					

	194791449020	052	5220	-55C TO +75C STORAGE	
OUTPUT ATTENUATION					

20		052	9020	70DB IN 100B STEPS W/100B VERNIER CALIB IN 10B STEPS	+/--.20B
HARMONIC DISTORTION					

20		052	9020	25DB BELOW FUNDAMENTAL FREQ	
	194791449020	052	5220	25DB BELOW FUNDAMENTAL	
FREQ RANGE					

20		052	9020	100KHZ TO 110MHZ	+/-1 PCT
	194791449020	052	5220	100KHZ TO 110MHZ	+/-1 PCT
FREQ OUTPUT LEVEL STABILITY					

	194791449020	052	5220	OUTPUT LEVEL VAR FOR ALL FREQ HANDS NO GREATER THAN	+/-1 DB
OUTPUT IMPEDANCE					

20		052	9020	50 OHMS	
	194791449020	052	5220	50 OHMS	
STANDING WAVE RATIO SWR					

20		052	9020	LESS THAN 1.5 TO 1	

ACCURACY -PLS-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SMITH, GENE RAYMOND, 194

SPEC. NR	LR	FAN CMMT	ID NR	PARAMETER	ACCURACY - PLS- OR AS STATED
STANDING WAVE RATIO SWR 60600					
	100001040020	052	9220	LESS THAN 1.5 TO 1	
FUNCTIONS 70400					
20		052	9020	SELECTABLE CW DELTA-F, MARKER & START AND STOP	
	100001040020	052	9220	SELECTABLE CW , DELTA-F , MARKER & START/STOP	
FUNCTION CM 70500					
20		052	9020	SINGLE CW FREQ SELECTION	
FUNCTION DELTA F 70810					
20		052	9020	SWEEP SYMMETRICALLY ABOUT CENTER FREQ	
FUNCTION MARKERS 71610					
20		052	9020	SELECTABLE M1 & M2 MARKERS AT ANY 2 POINTS ON FREQ	+/-1 PCT
SWEEP START/STOP FREQ 72050					
20		052	9020	SELECTABLE START/STOP FREQ FOR 2 PTS AT ANY FREQ	+/-1 PCT
SWEEP MODE 72400					
20		052	9020	AUTOMATIC OR MANUAL MODE	
SWEEP OUTPUT VOLTAGE 72410					
20		052	9020	MINIMUM OF 1V RMS ACROSS 50 OHMS	+/-1DB
	100001040020	052	9220	MINIMUM OF 1V RMS ACROSS 50 OHMS	+/-1 DB
INDICATED VALUE					

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SWEEP GENERATOR, 14

SPEC NR	LO	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
SWEEP RATE-----71200					
20		052	9020	ADJUSTABLE FROM 1MILLISEC TO 60SEC, LINE RATE 50/60HZ	+/-3 PCT
	1032018400/0	052	5220	ADJUSTABLE FROM 1MS TO 60SEC	
SWEEP WIDTH-----71600					
20		052	9020	ADJUSTABLE FROM 300 HZ TO 20KHZ	

LR/SPECIFICATION ANALYSES

06/10/80

ACCURACY -PCI-
OR AS STATED

FAMILY NAME - SWEEP GENERATOR, SHF

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
21		049	9021	SWEEP GENERATOR, SHF
	100201351021	049	5222	SIGNAL GENERATOR, SWEEP 11.0GHZ - 40.0GHZ
CLASSIFICATION 00105				
21		049	9021	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	100201351021	049	5222	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
21		049	9021	470MM(18IN)X285MM(11IN)X500MM(19IN)D
	100201351021	049	5222	470MM(18IN)X285MM(11IN)X500MM(19IN)D
WEIGHT IN KG/LBS 00120				
21		049	9021	23KG(50.7LBS)
	100201351021	049	5222	29KG(64LBS) MAX
ENCLOSURE (STYLE) 00130				
21		049	9021	STYLE E, W/RACKMOUNT CAPABILITY
	100201351021	049	5222	STYLE E
MAIN BODY 0100 IN 00135				
21		049	9021	MAXIMUM OF 16 PLUG-IN UNITS
POWER SUPPLY EST/CONSUMPTION 00140				
21		049	9021	TYPE II, 50, 60, 400HZ, 5-PHASE, 115/230VAC/200WATTS

LR/SPECIFICATION ANALYSES

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FAMILY NAME - SWEEP GENERATOR, SHF

ACCURACY -PCT-
OR AS STATED

ITEM NR	LR	FAM CODE	ID NR	PARAMETER	
PWR SOURCE(S)/CONSUMPTION 00140					
	100201R51021	049	5222	50HZ,60HZ,400HZ S-PHASE 115/230VAC	
MTRF					
		00150			
21		049	9021	2000 HOURS	
PRIMARY CONNECTIONS 00170					
21		049	9021	TYPE N UPTD 18CHZ, WAVEGUIDE TO 40CHZ	
TEMP OPER/NON-OPERATING 00210					
	100201R51021	049	5222	-55C TO +75C STORAGE	
OUTPUT ATTENUATION 03600					
21		049	9021	0 TO 90DB, IN 10DB STEPS, W/VARIABLE VERNIER, 0 TO 20DB	+/--.2 DB
HARMONIC DISTORTION 19400					
21		049	9021	30DB BELOW FUNDAMENTAL FREQ	
	100201R51021	049	5222	25DB BELOW FUNDAMENTAL	
FREQUENCY OUTPUT RANGE 26600					
21		049	9021	1.0CHZ TO 40CHZ	+/-1 PCT
	100201R51021	049	5222	1CHZ TO 40CHZ	+/-1 PCT
OUTPUT FREQUENCY RESPONSE 26800					
21		049	9021	VARIATION NO GREATER THAN +/-1DB OVER FREQ BAND	

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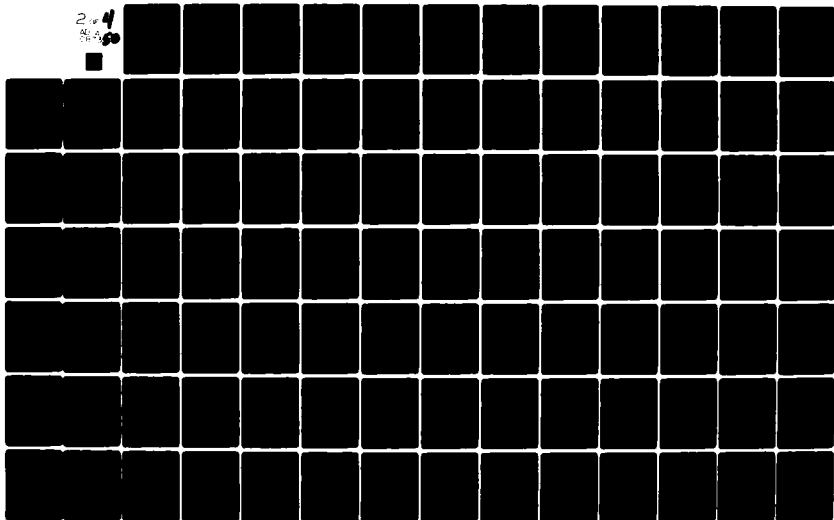
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LR/SPECIFICATION ANALYSES

FAMILY NAME - SWEEP GENERATOR, SHF

ACCURACY - PCT -
OR AS STATED

SPEC NR	LD	FAM CODE	ID NR	PARAMETER	OUTPUT LEVEL VARIATION FOR ALL FO BANDS NO GREATER THAN	DB
OUTPUT FREQUENCY RESPONSE 24000						
	100/21051021	040	5222			
IEEE BUS CAPABILITY 37000						

21	040	9021		IEEE BUS CAPABILITY		
OUTPUT IMPEDANCE 35200						

21	040	9021		50 OHMS		
	100/21051021	040	5222	50 OHMS		
STANDING WAVE RATIO SWP 60600						

21	040	9021		SWR LESS THAN 2 TO 1		
	100/21051021	040	5222	LESS THAN 2 TO 1		
FUNCTIONS 70400						

21	040	9021		SELECTABLE BETWEEN CW, DELTA-F, MARKER AND START/STOP		
	100/21051021	040	5222	SELECTABLE CW + DELTA-F + MARKER & START/STOP		
FUNCTION, CW 70500						

21	040	9021		SINGLE CW FREQUENCY SELECTION		
FUNCTION, DELTA F 70410						

21	040	9021		SWEEP SYMMETRICALLY ABOUT CTR FREQ AT SELECTED SWP WIDTH		
FUNCTION MARKERS 71630						

21	040	9021		M1 & M2 MARKERS CONTINUOUSLY VARIABLE FOR EACH FREQ RANGE		

LR/SPECIFICATION ANALYSES

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FAMILY NAME - SWEEP GENERATOR, SHF

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
SWEEP FUNCTION START/STOP 72040					
21		049	9021	START SWEEPING AT F1 AND STOP AT F2	
SWEEP START/STOP FREQ 72050					
21		049	9021	F1/F2 FREQ SELECTABLE AT ANY 2 POINTS OF REQ FREQ	+/-1 PCT
SWEEP MIN1 72400					
21		049	9021	SELECTABLE AUTOMATIC OR MANUAL	
SWEEP OUTPUT VOLTAGE 72810					
21		049	9021	AT A MAXIMUM 1V ACROSS 50 OHMS	
	194201551921	049	5222	MINIMUM OF 0.5V RMS ACROSS 50 OHMS	+/-1 DB
SWEEP RATE 73200					
21		049	9021	ADJUSTABLE, 1MILLISEC-100SEC PER SWEEP/LINE RATE, 50/60HZ	+/-3 PCT
	194201551921	049	5222	ADJUSTABLE FROM 1MS TO 100SEC PER SWEEP	
SWEEP MIN14 73600					
21		049	9021	VARIABLE BETWEEN 10MHZ TO 400MHZ	

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ACCURACY - PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SWEEP GENERATOR, UHF

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----				
		00100		
22		100	9022	SWEEP GENERATOR, UHF/VHF
	10020L050022	100	5221	SIGNAL GENERATOR, SWEEP (10MHZ - 1.0GHZ)
CLASSIFICATION-----				
		00105		
22		100	9022	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800
	10020L050022	100	5221	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS-----				
		00110		
22		100	9022	470MM(18IN)X235MM(9IN)X510MM(20IN)D
	10020L050022	100	5221	470MM(18IN)X235MM(9IN)X510MM(20IN)D
WEIGHT IN KG/LBS-----				
		00120		
22		100	9022	14KG/31LBS
	10020L050022	100	5221	14KG(31LBS) MAX
ENCLOSURE (STYLE)-----				
		00130		
22		100	9022	BACKMOUNT CAPABILITY
	10020L050022	100	5221	STYLE E
PWR SUPPLY (STD) CONSUMPTION 00140-----				
		00140		
22		100	9022	TYPE II, 50.60, 6 400HZ S-PHASE 115/230VAC/30 WATTS
	10020L050022	100	5221	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
MTRF-----				
		00150		
22		100	9022	3000 HOURS

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ACCURACY - PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SINEP GENERATOR, IIR

SPEC NR	LP	FAM CODE	TO NR	PARAMETER	
PRIMARY CONNECTIONS					
22		109	9022	INPUT/OUTPUT SERIES RNC, RF OUTPUT SERIES N FEMALE	
TEMP OPER/NON-OPERATING					
	19970185022	109	5221	-55C TO +75C STORAGE	
OUTPUT ATTENUATION					
22		109	9022	8008 IN 1008 STEPS, N/1008 VERTIC CALIB IN 108 STEPS	+/--.208
HARMONIC DISTORTION					
22		109	9022	3008 BELOW FUNDAMENTAL FREQ	
	19970185022	109	5221	3008 BELOW FUNDAMENTAL	
FREQ RANGE					
22		109	9022	10MHZ TO 1GHZ	+/-1 PCT
FREQUENCY OUTPUT RANGE					
	19970185022	109	5221	10MHZ TO 1.0GHZ	+/-1 PCT
OUTPUT FREQUENCY RESPONSE					
	19970185022	109	5221	OUTPUT LEVEL RESPONSE FOR ALL FB BANDS NO GREATER THAN	+/-1 DB
OUTPUT IMPEDANCE					
22		109	9022	50 OHMS	
	19970185022	109	5221	50 OHMS	

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SWEEP GENERATOR, UNF

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
STANDING WAVE RATIO SWR 67600				
22		109	9022	LESS THAN 1.5 TO 1
	109201R50022	109	5221	LESS THAN 1.5 TO 1
FUNCTIONS 70400				
22		109	9022	SELECTABLE CW-DELTA-F-MARKER & START/STOP
	109201R50022	109	5221	SELECTABLE CW, DELTA-F, MARKER & START/STOP
FUNCTION, CW 70500				
22		109	9022	SINGLE CW FREQ SELECTION
FUNCTION, DELTA F 70910				
22		109	9022	SWEEP SYMMETRICALLY ABOUT CENTER FREQ
FUNCTION MARKERS 71610				
22		109	9022	SELECTABLE M1 & M2 MARKER AT ANY 2 POINT ON ANY FREQ
SWEEP START/STOP FREQ 72050				
22		109	9022	SELECTABLE START/STOP FREQ FREQ2, FOR 2 PTS AT ANY FREQ
SWEEP MODE 72400				
22		109	9022	AUTOMATIC & MANUAL MODE
SWEEP OUTPUT VOLTAGE 72810				
22		109	9022	MAXIMUM OF 0.5V RMS ACROSS 50 OHMS

4/-100

LR/SPECIFICATION ANALYSES

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FAMILY NAME - SWEEP GENERATOR, IMF

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	INDICATED VALUE	ACCURACY -PCT- OR AS STATED
SWEEP OUTPUT VOLTAGE 77410						
	10020LR50022	109	5221	MINIMUM OF 0.5V RMS ACROSS 50 OHMS	±/-1	DB
SWEEP RATE 71200						
22		109	9022	VARIABLE BETWEEN 1MHZ/SEC & 30SEC, LINE RATE 50/60HZ		
	10020LR50022	109	5221	ADJUSTABLE FROM 1MS TO 60SEC PER SWEEP		
SWEEP WIDTH 71600						
22		109	9022	ADJUSTABLE BETWEEN 150KHZ TO 50MHZ		

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - AMMETER, AC CLAMP-ON

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
	EQUIPMENT NAME	00100		
23		001	9023	AMMETER, AC CLAMP-ON
	CLASSIFICATION	00105		
23		001	9023	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	DIMENSIONS IN MM/INS	00110		
23		001	9023	155MM(6IN)WX235MM(9IN)HX110MM(4IN)D
	WEIGHT IN KG/LBS	00120		
23		001	9023	1.35KG(3LBS)
	ENCLOSURE (STYLE)	00130		
23		001	9023	STYLE E
	PWR SOURCE(S)/CONSUMPTION	00140		
23		001	9023	ELECTRICAL POWER OBTAINED FROM EQUIPMENT UNDER TEST
	MTBF	00150		
23		001	9023	5000 HOURS
	CLAMP-ON	11900		
23		001	9023	CLAMP-ON JAWS TRIGGER OPERATED W/NO ELECTRICAL INTERRUPT
	CURRENT-AC	14900		
23		001	9023	0 TO 100 AMPERES

+/-3 PCT

IN 7 RANGES

0 TO 100 AMPERES

**ACCURACY -PCI-
OR AS STATED**

01-3 DCI

FAMILY NAME - AMFTER, AC CLAMP-IN

SPEC	LP	FAM	ID
NR		CODE	NR
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FRFD RFS PINSY 26700

23

100 9023

50 TO 400HZ FREQ RESPONSE

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - AMMETER, DC

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
		00100		
		001	0024	AMMETER,DC
		00105		
		001	0024	TYPE II-CLASS S,STYLE E,COLOR R,PER MIL-T-20800
		00110		
		001	0024	210MM(81N)X315MM(121N)HX390MM(151N)D
		00120		
		001	0024	0.6KG(1.9LBS)
		00130		
		001	0024	STYLE E
		00140		
		001	0024	TYPE II-50-60-400HZ S-PHASE,115/230VAC/15 WATTS
		00150		
		001	0024	2500 HOURS
		00160		
		001	0024	TEST LEADS W/NO CIRCUIT INTERRUPT
		14000		
		001	0024	DC CURRENT RANGE FROM 300UA TO 1A

9/-5 PCT

IN 10 RANGES

DC CURRENT RANGE FROM 300UA TO 1A

00/4

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - BRIDGE, UNIVERSAL

ACCURACY - PER-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
25		004	0025	BRIDGE, UNIVERSAL
	194401266025	004	5260	UNIVERSAL BRIDGE
CLASSIFICATION 00105				
	194401266025	004	5260	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-20000
DIMENSIONS IN MM/INS 00110				
25		004	0025	402.6MM(19.19IN)X317.5MM(12.5IN)X292.1MM(11.5IN)D
	194401266025	004	5260	495MM(19.19IN)X325MM(12.5IN)X300MM(11.5IN)D
WEIGHT IN KG/LBS 00120				
25		004	0025	17KG(37LBS)
	194401266025	004	5260	17KG(37LBS)
ENCLOSURE STYLE 00130				
25		004	0025	MIL-T-20000 STYLE E W/RACKMOUNT CAPABILITY
	194401266025	004	5260	STYLE E
PWR SOURCE TEST/CONSUMPTION 00140				
25		004	0025	TYPE II 50-60 & 400HZ S-PHASE 115/230VAC/15W
	194401266025	004	5260	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
MTRF 00150				
25		004	0025	3500 HRS

LR/SPECIFICATION ANALYSES

FAMILY NAME - BRIDGE UNIVERSAL

06/10/80

ACCURACY -PCI-
OR AS STATED

SPEC NR	IR	FAM CODE	ID NR	PARAMETER
PRIMARY INPUT CONNECTOR 001R0				
25		004	9025	DUAL FEMALE BANANA JACKS
ENVIRONMENTAL CONDITIONS 00200				
25		004	9025	MIL-T-28800 TYPE II, CLASS S, STYLE E, COLOR R
TEMP OPER/MIN-OPERATING 00210				
25		003	9025	0 TO 50C /-55 TO 75C
	10469186825	004	5260	-55C TO +75C STORAGE
RELATIVE HUMIDITY 00220				
25		004	9025	95
ALTITUDE OPER/MIN-OPER 00230				
25		004	9025	3050M(10000FT) 12000M(40000FT)
VIBRATION LIMIT (MAXIMUM) 00240				
25		004	9025	2G
SHOCK, PULSE LEVEL 00250				
25		004	9025	30G
CAPACITANCE RANGE 00400				
25		004	9025	1PF TO 1200UF
	10469186825	003	5260	1PF TO 1200UF R RANGES MAX
				IN R RANGES
				+/-.2 PCI
				+/-.0.2 PCI

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LR/SPECIFICATION ANALYSES

FAMILY NAME - BRIDGE, UNIVERSAL

ACCURACY -PCT-
OR AS STATED

SPEC NR	LQ	FAM CODE	ID NR	PARAMETER		
DC TEST VOLTAGE						

25		008	9025	DC TEST VOLTAGE 0-500VDC		
DISSSIPATION FACTOR						

25		008	9025	0.001 TO 1.0		+/-5 PCT

	10849LR66825	008	5260	MAKING MEAS FROM AN INTERNAL & EXTERNAL SIGNAL SOURCE		
INTERNAL SIGNAL SOURCE						

25		008	9025	SIGNAL SOURCE 1KHZ		+/-3 PCT
	10849LR66825	008	5260	INTERNAL SIGNAL SOURCE SHALL BE 1KHZ		+/-3 PCT
EXTERNAL SIGNAL SOURCE						

25		008	9025	VARIABLE FROM 50HZ TO 20KHZ		
	10849LR66825	008	5260	SHALL EXCEPT EXTERNAL SIGNAL SOURCE VAR FROM 50HZ-20KHZ		
INDUCTANCE						

25		008	9025	1 UH TO 1100 HENRYS	IN 8 RANGES	+/-0.1 PCT
	10849LR66825	008	5260	INDUCTANCE MEAS CAPAB FROM 1UH TO 1100UH, GRANGES MAX		+/-0.1 PCT
MEASUREMENTS						

	10849LR66825	008	5260	MEASURES RESISTANCE, CAPACITANCE & INDUCTANCE		
RESISTANCE MEASUREMENT						

25		008	9025	10 OHMS TO 50 MEGOHMS	IN 8 RANGES	+/-0.1 PCT

LR/SPECIFICATION ANALYSES

FAMILY NAME - BRIDGE, UNIVERSAL

06/10/80

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
RESISTANCE MEASUREMENT					

	1986LP66925	008	5260	RESISTANCE MEAS CAPABILITY FROM 10 OHMS TO 12MOHM BRANGE	+/-0.1 PCT
STORAGE FACTOR (01)					

25		008	9025	0.05 TO 1000	+/-5 PCT
IN 6 RANGES					

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - INSULATION TEST SET

SPEC NR	LO	FAN CODE	ID NR	PARAMETER
EQUIPMENT NAME-----				
		00100		
26		025	9026	INSULATION TEST SET
	19810LQ11026	025	5231	INSULATION TEST SET
CLASSIFICATION-----				
		00105		
26		025	9026	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28000
	19810LQ11026	025	5231	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000
DIMENSIONS IN MM/INS-----				
		00110		
26		025	9026	260MM(10IN)HX260MM(10IN)HX235MM(9IN)D
	19810LQ11026	025	5231	260MM(10IN)HX260MM(10IN)HX235MM(9IN)D
WEIGHT IN KG/LBS-----				
		00120		
26		025	9026	7.5KG/12LBS
	19810LQ11026	025	5231	7.5KG/12LBS
ENCLOSURE (STYLE)-----				
		00130		
26		025	9026	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION-----				
		00140		
26		025	9026	TYPE II, 50,60 & 400HZ, 5-PHASE 115/230VAC/13 WATTS
	19810LQ11026	025	5231	50,60 & 400HZ 5-PHASE 115/230VAC
MTRF-----				
		00150		
26		025	9026	5000 HOURS

LR/SPECIFICATION ANALYSES

06/10/80

ACCURACY -PCI-
OR AS STATED

FAMILY NAME - INSULATION TEST SET

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
MTRF					

		00150			
	198101013026	025	5231	5000 HOURS	
READOUT METERS					

		00160			
26		025	9026	METER READOUT	
PRIMARY CONNECTORS					

		00170			
26		025	9026	DUAL FEMALE BANANA PLUGS	
TEST LEADS/JP PROBS					

		00190			
26		025	9026	DETACHABLE TEST LEADS	
	198101013026	025	5231	DETACHABLE TEST LEADS	
TEMP OPS/NON-OPERATING					

		00210			
	198101013026	025	5231	7-55 TO 75 DEG C	
POWER RANGE					

		56900			
	198101013026	025	5231	10 TO 1000VDC-SELECTABLE VOLTAGES	0/-3 PCI
RESISTANCE MEASUREMENT					

		59600			
26		025	9026	500K OHM TO 200 TERA OHMS, 500K TO 500G OHMS, 7-5 SPT, ABOVE-	0/-10 PCI
	198101013026	025	5231	500K OHMS TO 200 TERA OHMS	0/-5 PCI
TEST VOLTAGE					

		76900			
26		025	9026	AT LEAST 7 SELECTABLE VOLTAGES, 10, 100, 300, 500, 700, 1000V	

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - MEGOHMMETER

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
27		029	9027	MEGOHMMETER
	19010L014027	029	5232	MEGOHMMETER
CLASSIFICATION 00105				
27		029	9027	TYPE II-CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	19010L014027	029	5232	TYPE III-CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
27		029	9027	160MM(6IN)X105MM(4IN)X80MM(3IN)D
	19010L014027	029	5232	160MM(6IN)X105MM(4IN)X80MM(3IN)D
WEIGHT IN KG/LBS 00120				
27		029	9027	1.4KG/3LBS
	19010L014027	029	5232	1.4KG/3LBS
PWR SOURCE (S)/CONSUMPTION 00140				
	19010L014027	029	5232	POWER OBTAINED FROM HAND CRANK
REANNUOT NO FINISHES 00160				
27		029	9027	METER
TEST LEAD/WR POINTS 00180				
27		029	9027	DETACHABLE TEST LEADS
TEMP OPER/MIN-OPERATING 00210				
	19010L014027	029	5232	-55 TO 75 DEG C

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - MEGOHMMETER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
RESISTANCE MEASUREMENT					

77		029	9027	0 OHMS TO INFINITY, W/ACCURACY OF 0 TO 100 MEGOHMS	+/-5 PCT
	10910LP14027	029	5232	0 TO INFINITY, W/O TO 100 MEGOHMS READABLE FROM CAL-SOURCE	+/-5 PCT
TEST VOLTAGE					

	10910LP14027	029	5232	600VDC MAX, W/HAND CRANK	+/-3 PCT

06/10/80

ACCURACY -PCT-
OR AS STATED

LP/SPECIFICATION ANALYSES

FAMILY NAME - MULTIMETER, DIGITAL HANDHELD

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
EQUIPMENT NAME ----- 00100					
28		012	9028	MULTIMETER, DIGITAL, HANDHELD	
	10020L016028	012	5207	ELECTRONIC ANALOG MULTIMETER	
	10020L017028	012	5208	DIGITAL MULTIMETER, 3 1/2 DIGITS	
CLASSIFICATION ----- 00105					
28		012	9028	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800	
	10020L016028	012	5207	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800	
	10020L017028	012	5208	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800	
DIMENSIONS IN MM/INS ----- 00110					
28		012	9028	105MM(4.1IN)X210MM(8.3IN)X51MM(2IN)	
	10020L016028	012	5207	157.5MM(6.2IN)X210MM(8.3IN)X105MM(4.1IN)	
	10020L017028	012	5208	89MM(3.5IN)X51MM(2IN)X191MM(7.5IN)	
WEIGHT IN KG/LBS ----- 00120					
28		012	9028	1KG(2.2LBS)	
	10020L016028	012	5207	2.5KG(5LBS)	
	10020L017028	012	5208	0.4KG(0.9LBS)	
ENCLOSURE (STYLE) ----- 00130					
28		012	9028	STYLE E	
	10020L017028	012	5208	CAPABILITY TO HANG / ATTACHING INSTRUMENT TO EQUIP UNIT	
POWER SOURCE (S) / CONSUMPTION 00140					
28		012	9028	BATTERY OPERATION, W/200 HOURS OPERATING TIME	
	10020L016028	012	5207	BATTERY OPERATION W/20 HOURS OPERATING TIME, RECHARGEABLE	

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - MULTIMETER, DIGITAL HANDHELD

ACCURACY -PCT-
OR AS STATED

SPEC NR	LO	FAM CODE	ID NP	PARAMETER	
PWR SOURCES/CONSUMPTION 00140					

	10429LP17028	012	5208	BATTERY OPERATION	
MTRF					

		00150			
28		012	9028	5000 HOURS	
READOUT MTRF/MSD					

		00160			
28		012	9028	DIGITAL READOUT AT 3 1/2 DIGITS	
	10429LP16028	012	5207	ANALOG METER	
	10429LP17028	012	5208	DIGITAL READOUT AT 3 1/2 DIGITS	
TEST LEAD/PROBES					

		00190			
28		012	9028	DETACHABLE TEST LEAD OR PROBES	
	10429LP16028	012	5207	DETACHABLE TEST LEAD OR PROBES	
TEMP OPER/NTN-OPERATING					

		00210			
	10429LP16028	012	5207	-55C TO +75C STORAGE	
	10429LP17028	012	5208	-55C TO +75C STORAGE	
CURRENT-AC					

		14400			
28		012	9028	200MA TO 2A	IN 4 RANGES
	10429LP16028	012	5207	0 TO 10AMPS	IN 9 RANGES
	10429LP17028	012	5208	0 TO 10AMPS, AC	IN 6 RANGES
CURRENT-DC					

		14800			
28		012	9028	0/-2MA TO 2A	IN 4 RANGES

0/-1.5 PCT
0/-6 PCT
0/-0.7 PCT

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - MULTIMETER, DIGITAL HANDHELD

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	IN 9 RANGES IN 6 RANGES	ACCURACY -PCT- OR AS STATED
CURRENT, DC						
		15400				
	19020LR16020	012	5207	0 TO 10AMPS		
	19020LR17020	012	5208	0 TO 10AMPS, DC	(PCT)/-3LSD	+/-2 PCT
FREQ RESPONSE						
		26900				
20		012	9020	45HZ TO 5KHZ		+/-5 PCT
	19020LR16020	012	5207	30HZ TO 20KHZ		
	19020LR17020	012	5208	50HZ TO 450HZ OR GREATER		
OHMS, HI/LOW, (LOW VOLTAGE)						
		15150				
20		012	9020	LESS THAN 100V FOR IN-CRT TEST		
OHMS, HI/LOW, (HIGH VOLTAGE)						
		15160				
20		012	9020	.7V TO 3V W/MAX OF 10MW TO TURN ON SILICON JUNCTION		
OHMS, HI/LOW						
		15400				
20		012	9020	CAPABILITY TO MEASURE HI/LOW OHM MODES		
RESISTANCE MEASUREMENT						
		59600				
20		012	9020	0 TO 20 MEGOHMS	IN 5 RANGES	+/-0.5 PCT
	19020LR16020	012	5207	10HM TO 100MEG OHMS W/LOW PHR & STD RANGES	IN 9 RANGES	
	19020LR17020	012	5208	0 TO 20MEG OHMS (PCT)/-2LSD)	IN 9 RANGES	+/-1 PCT
VOLTAGE, AC						
		94900				
20		012	9020	0 TO 750VAC	IN 5 RANGES	+/-2 PCT
	19020LR16020	012	5207	0 TO 1000VAC	IN 9 RANGES	

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - MULTIMEFP, DIGITAL HANDHELD

SPEC NR	Lo	PAN CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
VOLTAGE, AC					
				0 TO 600VAC (OR GREATER)	+/-2 PCT
	194291817028	032	5208	(PCT +/-3LSD) IN 9 RANGES	
VOLTAGE, AC INPUT IMPEDANCE					
				10 MEGOHMS SHUNTED BY LESS THAN 100PF CAPACITANCE	
28		032	9028	10 MEGOHMS	
	194291816028	032	5207	10 MEGOHMS	
	194291817028	032	5208	10 MEGOHMS	
VOLTAGE, DC					
				200MV TO 1000VDC	+/-2 PCT
28		032	9028	0 TO 1000VDC	
	194291816028	032	5207	0 TO 1000VDC	IN 9 RANGES
	194291817028	032	5208	0 TO 1000VDC, PCT +/-1LSD	IN 9 RANGES
VOLTAGE, DC INPUT IMPEDANCE					
				10 MEGOHMS	
28		032	9028	10 MEGOHMS	
	194291816028	032	5207	10 MEGOHMS	
	194291817028	032	5208	10 MEGOHMS	

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - MULTIMETER, DIGITAL

SPEC NR	LP	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME 90100				
29		012	9029	MULTIMETER, DIGITAL
	19870LP10029	012	5209	DIGITAL MULTIMETER, 4 1/2 DIGITS
CLASSIFICATION 00105				
29		012	9029	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28000
	19870LP10029	012	5209	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28000
DIMENSIONS IN MM/INS 00110				
29		012	9029	260MM(10.75IN)HX102MM(4.01IN)HX390MM(15.35IN)D
	19870LP10029	012	5209	260MM(10.81IN)HX210MM(8.27IN)HX390MM(15.35IN)D
WEIGHT IN KG/LBS 00120				
29		012	9029	4.5KG(9.9LBS)
	19870LP10029	012	5209	6.0KG(13.2LBS)
ENCLOSURE (STYLE) 00130				
29		012	9029	STYLE E, W/RACKMOUNT CAPABILITY
POWER SOURCES/CONSUMPTION 00140				
29		012	9029	TYPE II, 50, 60 & 400HZ S-PHASE 115/230VAC/15W
	19870LP10029	012	5209	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC
SECONDARY POWER SOURCE 90145				
29		012	9029	OPERATE W/INTERNAL OR RECHARGEABLE BATTERIES, OPER 6 HRS

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - MULTIMETER, DIGITAL

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED

29		012	9029	5000 HOURS	

READOUT METHOD(S)					

29	19A20LR1R029	012	9029	DIGITAL DISPLAY OF AT LEAST 4 1/2 DIGITS	
29	19A20LR1R029	012	5209	DIGITAL READOUT AT 4 1/2 DIGITS AND ANALOG METER	

TEST LEADS/PROBES					

29		012	9029	DETACHABLE TEST LEADS & PROBES	
29	19A20LR1R029	012	5209	DETACHABLE TEST LEAD OR PROBES	

TEMP OPER/NON-OPERATING					

	19A20LR1R029	012	5209	-55C TO +75C STORAGE	

AUTO-RANGING					

29		012	9029	AUTO-RANGE CAPABILITY FOR ACV,DCV,UHMS	

COMMON MODE NOISE REJECT					

29		012	9029	1200R AT DC,MINIMUM 800R FROM 40HZ TO 1KHZ	

CURRENT-AC					

29		012	9029	200UA TO 2A	IN 5 RANGES
29	19A20LR1R029	012	5209	0 TO 2AMPS (PCT +/-2 DIGITS)	IN 5 RANGES

CURRENT-DC					

29		012	9029	200UA TO 2A	IN 5 RANGES

FAMILY NAME - MULTIMETER, DIGITAL				LR/SPECIFICATION ANALYSES		06/18/80	ACCURACY -PCT- OR AS STATED
SPEC NR	LR	FAM CODE	ID NR	PARAMETER			
CURRENT, DC				14800			
198201R10029				012	5209		
FREQ RESPONSE				24000			
29		012	9029	0 TO 2AMPS	1PCY +/-2 DIGITS)		+/-0.2 PCT
170201R10029				30HZ TO 100KHZ			+/-0.508
		012	5209	30HZ TO 50KHZ			+/-0.508
DHMS, HI/LOW, FLIM VOLTAGE) 15150							
29		012	9029	LESS THAN 100MV FOR IN CRT TEST MEAS			+/-0.05 PCT
DHMS, HI/LOW, HIGH VOLTAGE 15160							
29		012	9029	0.7V TO 3V W/MAX OF 10MV TO TURN ON SILICON JUNCTION			+/-0.05 PCT
DHMS, HI/LOW				15400			
29		012	9029	CAPABILITY TO MEASURE DHMS IN HI/LO MODES			
NORMAL NOISE NOISE REJECT 44500							
29		012	9029	GREATER THAN 400R AT 50 OR 60HZ			
OVERLOAD CHAN				44400			
29		012	9029	OVERLOAD PROTECTION AT 50 PCT OVER MAX INPUT W/INDICATOR			
170201R10029				012	5209		
OVERLOAD RESET				44410			
29		012	9029	OVERLOAD RESET CAPABILITY (MANUAL)			

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - MULTIMETER, DIGITAL

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CONF	ID NR	PARAMETER		
OVERLOAD TEST						
	19820LR1029	032	5209	MANUAL OVERLOAD RESET CAPABILITY		
RESISTANCE MEASUREMENT						
29		032	9029	0 TO 20 MEGOHMS	IN 5 RANGES	+/--.5 PCT
	19820LR1029	032	5209	0 OHMS TO 20 MEGOHMS (PCT +/-5 DIGITS)	IN 6 RANGES	+/--.5 PCT
VOLTAGE, AC						
	19820LR1029	032	5209	0 TO 750VAC (PCT +/-10 DIGITS)	IN 6 RANGES	+/--.5 PCT
VOLTAGE, AC INPUT IMPEDANCE						
29		032	9029	10 MEGOHMS SHUNTED BY LESS THAN 80PF CAPACITANCE		
	19820LR1029	032	5209	1 MEGOHMS		
VOLTAGE, DC						
29		032	9029	+/-20MV TO +/-1000VDC	IN 6 RANGES	+/--.02 PCT
	19820LR1029	032	5209	0 TO 1000VDC (PCT +/-20 DIGITS)	IN 6 RANGES	+/--.02 PCT
VOLTAGE, DC POLARITY						
29		032	9029	INDICATE POLARITY OF MEASURED VOLTAGE		
VOLTAGE, DC INPUT IMPEDANCE						
29		032	9029	10 MEGOHMS		
	19820LR1029	032	5209	10 MEGOHMS		
VOLTAGE, FOUR RMS						
29		032	9029	200MV TO 750VAC, 10MS	IN 5 RANGES	+/--.5 PCT

06/18/80

ACCURACY - PCF-
DR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - DIMMETER

SPEC NR	LP	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME 00100				
30		015	9030	DIMMETER
CLASSIFICATION 00105				
30		015	9030	TYPE 11, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
30		015	9030	160MM16(M)X185MM17(M)HX290MM(11.1)D
WEIGHT IN KG/LBS 00120				
30		015	9030	3.2KG/7LBS
ENCLOSURE (STYLE) 00130				
30		015	9030	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION 00140				
30		015	9030	TYPE 11, 50+60 & 400HZ, 5-PHASE 115/230VAC/5 WATTS
TYPE 00150				
30		015	9030	4000 HUIPS
READOUT MECHANISMS 00160				
30		015	9030	METER
TEST LEADS/TC REFDS 00170				
30		015	9030	DETACHABLE TEST LEADS

FAMILY NAME - OHMMETER			LR/SPECIFICATION ANALYSES		06/18/80	ACCURACY -PCT- OR AS STATED
SPEC NR	LD	FAM CON	ID NR	PARAMETER		
RESISTANCE MEASUREMENT						
30		015	9030	1 MILLION TO 100 OHMS	IN 12 RANGES	+/-2 PCT
TEST VOLTAGE						
30		015	9030	MAXIMUM TEST VOLTAGE 200MICROVOLTS		

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - HUMPHREY. FATH TESTER

SPEC	LR	FAM	ID
HR		CUDI	NR
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
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26	26	26	26
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28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
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38	38	38	38
39	39	39	39
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41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
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56	56	56	56
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58	58	58	58
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92	92	92	92
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98	98	98	98
99	99	99	99
100	100	100	100

[illegible]

31	015	7031	OHMMETER, EARTH TESTER
	015	5274	MULL BALANCE EARTH TESTER

CLASSIFICATION

31	035	9031	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28000
10454LR22931	035	5774	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000

DIMENSIONS IN MM/INS

101	015	9031	160HH(61N)HX265NH(101N)HX160HH(61N)D
1015,01,07,7031	015 <td>5274 <th>160HH(61N)HX265NH(101N)HX160HH(61N)D</th> </td>	5274 <th>160HH(61N)HX265NH(101N)HX160HH(61N)D</th>	160HH(61N)HX265NH(101N)HX160HH(61N)D

00120

1	075	9032	5.4KG/12LBS
170501P/27011	075	5274	5.4KG/12LBS

00150

	01	015	9031	5000 HOURS
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TESTLE AND 17 PHIRAS 00120

1	75	901	DETACHABLE TEST LEADS
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100			

RESISTANCE, WE ASUREMENT 500,000

J		IN 4 RANGES	%/-1	PCT
015	00011	10 MILLIONS TO 100 MILIONS	%/-1	PCT
100%01022071	6774	10 MILLIONS TO 100 MILIONS	%/-1	PCT

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - DIMETER, FATH TESTER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
TEST VOLTAGE				
----- 76800				
31		035	9031	TEST VOLTAGE GEN'D BY HAND CRANK
	198501922031	035	5274	DC TEST VOLTAGE GEN'D W/HAND CRANK

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TACHOMETER, ELECTRONIC

SPEC NR	LR	FAM CHRT	ID NR	PARAMETER
EQUIPMENT NAME 00100				
32		117	9032	TACHOMETER, ELECTRONIC
FUNCTION 00101				
32		117	9032	MEASURE DC CURRENT, DC VOLTAGE, DMFLL & RPM, RESISTANCE
CLASSIFICATION 00105				
32		117	9032	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
32		117	9032	175MM(7IN)X315MM(12IN)X105MM(4IN)D
WEIGHT IN KG/LBS 00120				
32		117	9032	5.5KG/4LBS
ENCLOSURE (STYLE) 00130				
32		117	9032	RACKMOUNT CAPABILITY
PWP SUPPLY (S)/CONSUMPTION 00140				
32		117	9032	BATTERY FROM VEH UUT, OR EXT BATTERY 6.12, 24 & 32VDC
MTRF 00150				
32		117	9032	7500 HOURS
TESTING/OP PERIODS 00160				
32		117	9032	DETACHABLE TEST LEADS

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - TACHOMETP, ELECTRONIC

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
CURRENT, DC					
		14800			
32		117	9032	0 TO 160 AMPERES	+/-5 PCT
DWELL					
		21400			
32		117	9032	4CYL-0 TO 90.6CYL-0 TO 60.6CYL-0 TO 45 DEGREES	+/-5 PCT
DISTRIBUTOR POINTS TEST					
		21500			
32		117	9032	INDICATE DISTRIBUTOR POINTS CONDITION, GOOD, BAD OR OPEN	
IGNITION TEST					
		13500			
32		117	9032	DETERMINE, BREAKLESS ELECTRONIC SYS FOR GO/NO GO STATUS	+/-5 PCT
RESISTANCE MEASUREMENT					
		59600			
32		117	9032	0 TO 400KILOHMS & INFINITY	+/-5 PCT
REVOLUTIONS PER MINUTE (RPM)					
		61600			
32		117	9032	200 TO 10,000 RPM	+/-5 PCT
VOLTAGE, DC					
		84400			
32		117	9032	0 TO 40VDC	+/-5 PCT

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELETYPE TEST SET ANALYZER

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
33		066	9033	TELETYPE TEST SET ANALYZER
	1046LR60033	066	5258	TELETYPE ANALYZER
FUNCTION 00101				
33		066	9033	ACCEPT MARKSPACE,FOX MSG AT 5 LEVEL BAUDOT68 LEVEL ASCII
	1046LR60033	066	5258	ACCEPT MARKSPACE,FOX MSG AT 5 LEVEL,BAUDOT68LEVEL ASCII
CLASSIFICATION 00105				
33		066	9033	TYPE II,CLASS 5,STYLE E,COLOR R,PER MIL-T-28800
	1046LR60033	066	5258	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
33		066	9033	105MM(4IN)WX315MM(12IN)HX105MM(4IN)D
	1046LR60033	066	5258	105MM(4IN)WX315MM(12IN)HX105MM(4IN)D
WEIGHT IN KG/LBS 00120				
33		066	9033	2.3KG(5LBS)
	1046LR60033	066	5258	2.3KG(5LBS)
PWR SOURCE(S)/CONSUMPTION 00140				
33		066	9033	TYPE II,50.60 & 400HZ,S-PHASE 115/230VAC/1 WATT
	1046LR60033	066	5258	OPERATE FROM SELF-CONTAINED RECHARGEABLE BATTERIES
SECONDARY PWR SOURCE 00145				
33		066	9033	RECHARGEABLE BATTERY,OPER TIME 14 HOURS MINIMUM

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELTYPE TEST SET ANALYZER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
MTF		00150			
33		066	9033	10.000 HOURS	
TESTLEAD/DR PRORES		00100			
33		066	9033	DETACHABLE TEST LEADS	
TEMP OPER/WHN-OPERATING		00210			
		199491960033	066	5258	-55C TO +77C STORAGE
BIT-RATE		07600			
33		066	9033		MINIMUM 45,47,2,110 & 150 BITS PER SECOND
		199491960033	066	5258	45,47,2,110 & 150 BPS
CURRENT INPUT LEVEL		14050			
33		066	9033		NEUTRAL LOOPS 2060MA, HI-POLAR AT 30MA & LOW POLAR
		199491960033	066	5259	NEUTRAL LOOPS AT 20 & 60MA, HI POLAR AT 30MA & LOW POLAR
DISTORTION		19700			
33		066	9033		MEAS MARKSPACE RIAS-END DISTORTION TOTAL PEAK DISTORT-
DISTORTION TRANSMISSION		19500			
		199491960033	066	5259	MEASURES MARKING, SPACING RIAS-END DIST, TOTAL PEAK DIST
DISTORTION MEASUREMENTS		20010			
33		066	9033		MEASURE AT LEAST 50 PCT DISTORTION OF INPUT SIGNAL

+/-1.5 PCT

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - TELETYPE TEST SET ANALYZER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	MEASURE UP TO 50PCT DISTORTION ON THE INCOMING SIGNAL	0/-1.5 PCT
DISTORTION MEASUREMENTS 20000						
	100440LP60033	066	5258			
PARITY ERRORS 50000						
33		066	9033		INDICATE ODD OR EVEN.(SELECTABLE).PARITY ERRORS.0 LEVEL	
	100440LP60033	066	5258		INDICATE ODD OR EVEN PARITY ERRORS IN 0 LEVEL SIGNALS	

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELETYPE TEST SET GENERATOR

SPEC NR	LR	FAM CODE	ID NR	PARAMETER		
EQUIPMENT NAME-----00100						
34		067	9034	TELETYPE TEST SET GENERATOR		
	100101000014	067	5234	PATTERN GENERATOR		
FUNCTION-----00101						
34		067	9034	CFM CONT OR ALT MARKSPACE, FOX MSG, 5 LEV BAUDOT/8 LEV ASCII	4/-3	PCT
	100101000014	067	5234	CONT-MARK/SPACE OR ALT, 4 FOX MSG 5 LEV BAUDOT/8 LEV ASCII		
CLASSIFICATION-----00105						
34		067	9034	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800		
	100101000014	067	5234	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800		
DIMENSIONS IN MM/INS-----00110						
34		067	9034	105MM(4.13IN)X115MM(4.53IN)X105MM(4.13IN)		
	100101000014	067	5234	105MM(4.13IN)X115MM(4.53IN)X105MM(4.13IN)		
WEIGHT IN KG/LBS-----00120						
34		067	9034	2.3KG(5LBS)		
	100101000014	067	5234	2.3KG(5LBS)		
ENCLOSURE (STYLE)-----00130						
34		067	9034	RACKMOUNT CAPABILITY		
PWR SOURCE (50/60 HZ) CONSUMPTION 00140						
34		067	9034	TYPE II, 50, 60 & 400HZ, 5-PHASE 115/230VAC/1 WATT		

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELETYPE TEST SET GENERATOR

ACCURACY -PCI-
OR AS STATED

SPEC NR	ID NR	FAM CONF	PARAMETER	ACCURACY -PCI- OR AS STATED
SECONDARY PWR SOURCE 00145				
34	9034	067	RECHARGEABLE BATTERIES,OPFR TIME 14 HOURS MINIMUM	
	17010103034	067	SELF CONTAINED RECHARGEABLE BATTERIES	
MTBF 00150				
34	9034	067	10,00 HOURS	
PRIMARY CONNECTIONS 00170				
34	9034	067	PJ-055,TIP/SLEEVE FOR LOW LEVEL OUT,DUAL BANANA HI LEVEL	
TESTLEAD/ON PROBS 00190				
34	9034	067	DETACHABLE TEST LEADS	
TEMP OPER/MIN-OPERATING 00210				
	17010103034	067	-55 TO 75 DEG C	
BIT-RATE 07600				
34	9034	067	SELECTABLE BIT RATES,45,47.2,110 & 150 BITS PER SECOND	4/-3 PCI
	17010103034	067	45,47.2,110&150 BITS/SEC SELECTABLE	
CURRENT INPUT LEVEL 14000				
34	9034	067	HIGH LEV 20/60MA NEUTRAL LOOP,LOW LEV IAM,MIL-STD188-114	
	17010103034	067	HIGH LEV 20/60MA NEUTRAL LOOP,LOW LEV IAM MIL-STD188-114	4/-3 PCI
DISTORTION TRANSMISSION 19500				
34	9034	067	4 LEVEL OF DISTORTION OF OUTPUT SIG.0 TO 37.5 DBT RANGE	4/-3 PCI

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELETYPE TEST SET GENERATOR

SPFC NR	LD	CAM CODE	ID NR	PARAMETER	
DISRUPTION TRANSMISSION					19500
10010100014					067 5234
DISTORTION OUTPUT LEVELS, 0 TO 37.5PCT, IN 12PCT INCREMENT					
PARITY, OUTPUT SIGNAL					51200
14					067 9034
INT SELECTABLE, NONE, ODD OR EVEN PARITY CAPABILITY					
10010100014					067 5234
INT SELECTABLE, NONE, ODD OR EVEN PARITY					

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELETYPE TEST SET

ACCURACY -PCI-
OR AS STATED

SPEC NR	LO	FAM CONF	ID NR	PARAMETER	+

LR/SPECIFICATION ANALYSES

06/18/80

ACCURACY -PCI-
OR AS STATED

FAMILY NAME - TELETYPE TEST SET

SPEC NR	LO	FAM CODE	ID NR	PARAMETER	
PWR SOURCES/CONSUMPTION 00140					
	101101R50035	067	5230	50.60 E 400HZ S-PHASE 115/230VAC	
MTRF					
		00150			
35		067	9035	7000 HOURS	
PRIMARY CONNECTORS 00170					
		00170			
35		067	9035	1/0 PJOSS TIP/SLEEVE FEM JACK LD LEV-DUAL BANANA HI LEV	
TESTLEAD/WR PHONES 00190					
		00190			
35		067	9035	DETACHABLE TEST LEADS	
TEMP OPER/NOON-OPERATING 00210					
		00210			
	101101R50035	067	5230	/-55 TO 75 DEG C	
AUX OUTPUT 05400					
		05400			
35		067	9035	AUX OUTPUT FOR MONITORING GENERAL WAVEFORMS W/SCOPE	
	101101R50035	067	5230	AUX OUTPUT TO MONITOR GEN & ANAL WAVEFORMS W/SCOPE	
BIT FROM COUNT 07200					
		07200			
35		067	9035	COUNT & DISPLAY TOTAL NR OF BIT ERRORS COUNTED	0/-2 PCI
	101101R50035	067	5230	COUNT/DISPLAY BIT ERRORS	
BIT-PAT 07600					
		07600			
35		067	9035	SELECTABLE 37.5,45,57.2,50.75,110,150,300,2400E9600 HPS	0/-2 PCI

08/81/90

MLR/SPECIFICATION ANALYSES

FAMILY NAME - TELTYPE TITST

ACCURACY -PLI-
OR AS STATED

PARAMETER

10 NR

CONF
FAM

SPFC
NR 14

12

RIY-PAY 02500

37.5, 45, 47.2, 50, 75, 110, 150, 300, 600, 1200, 2400, 4800, 9600HD

DISSEMINATION TRANSMISSION 19500

41-2 PCI

APPLY 0 TO 49PCT DISTORTION ON OUTPUT SIG,IN 1PCT INCR

0 TO 49 PCT IN IPCY INCREMENTS

DISPOSITION OF ASSUMPTIONS

50 PCI

MARK\$SPACE BIAS,END DIST.\$TOTAL PFAK DISORTION UPIO:

0 TO 50CPT FOR MARK SPACE, END DISTRIBUTION, PEAK DISTORI

IMPULS SIGNAL MEASUREMENTS

01-2 PCI

ACCEPT CONTE ALT MARKSPACE,2047 RITS,FOX,5LEVE8LEV ASCI

MARK/SPACE/2047,BIT PSEUDO PTFN,FOX MSG/SLEV OR ALEVEL

INPUT AFF-0911 77100

♦1-2 PCT

37.5, 45, 47.2, 50, 75, 110, 150, 300, 600, 1200, 2400, 4800, 9600R

37.5, 45, 47.2, 50, 75, 110, 150, 300, 600, 1200, 2400, 4800, 960080

SIGNAL WAVES FIRMS 50-3109

44-38861-2 PCI

CONTEAL MARKSPACE, 2047 RIT PAND, FOX MSG, 5LEVEBLEV ASCI

MARK/SPACE/2047 HIT PSEUDO PATTERN, 1-6 SEQ/5,6,7,8 LCV

QUALITY, JUST SIGNAL 51200

44-2 PCF

RESPECTABLE NON-EVEN OR INHIBITED PARTY IN HIGH BIT PUS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - TELETYPE TEST SET

ACCURACY -PCT-
OR AS STATED

SPEC
NR LR FAN
CDDF NR

PARAMETER

PARITY OUTPUT SIGNAL 51200

0 LEVEL (ASCII) SEL BTWN-ODD-EVEN OR INHIBITED PARITY

PARITY INPUT SIGNAL 51100

35 067 9035 2 METHODS TO DETERMINE PARITY ERROR
067 5238 AT LEAST 2 METHODS TO DETERMINE PARITY ERROR
*/-2 PCT

SIGNAL LEVEL OUTPUT 65600

SELECTABLE HI-LEV POLAR/NEUTRAL, BELL SYS HUBBELL LEV LOG

10810LR50015 067 5238

TIME CONTROL 27600

35 067 9035 ACCEPT EXTERNAL TIMING SOURCE TO GENERATOR ANALYZER
067 5238 EXT +/-6VDC TIME SOURCE FOR GEN & ANALYZER

LR/SPECIFICATION ANALYSES

FAMILY NAME - TUBE TESTER

06/18/80

ACCURACY - PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----00100				
36		072	9036	TUBE TESTER
FUNCTION-----00101				
36		072	9036	TEST LOW POWER TRANSMIT & RECEIVE TUBE
CLASSIFICATION-----00105				
36		072	9036	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20800
DIMENSIONS IN MM/INS-----00110				
36		072	9036	520MM(20.51IN)X195MM(7.51IN)X405MM(16.51IN)
WEIGHT IN KG/LBS-----00120				
36		072	9036	13KG(28LBS)
PWR SUPPLY (S)/CONSUMPTION 00140				
36		072	9036	TYPE II, 50, 60 & 400HZ, S-PHASE 115/230VAC/40 WATTS
MTRF-----00150				
36		072	9036	10,000 HOURS
READOUT M-TRND (S)-----00160				
36		072	9036	METER READOUT
MUTUAL CAPACITANCE-----00160				
36		072	9036	6M RANGE, 600 TO 60,000 PPM

0/-2 PCT

IN 7 PAGES

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - TUBE TESTER

SPEC NR	LO	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
SHORT AND GAS TEST					

36		072	9036	TEST FOR GAS OR SHORT CONDITION & INDICATE	+/-3 PCT
SIGNAL LEVEL INPUT					

36		072	9036	SIG INPUT LEVEL VOLTAGES,.25,.5,& 2.5VAC RMS	+/-3 PCT
TEST POWER INPUTS					

36		072	9036	TEST PROCEDURES TO TEST TUBES,COMPONENT PART OF EQUIP	
TEST VOLTAGE					

36		072	9036	FIL 0-100VAC,BIAS 0-40VDC,PLATE 70-150VDC,5CR 56-120VDC	+/-3 PCT
TUBE SOCKETS					

36		072	9036	TEST 4,5,6,7PIN,DOCTAL,LOCTAL,7,9E10PIN,COMPACT,NOVARCHUV	+/-3 PCT

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, AC		FAM		ID		PARAMETER	
SPEC	LR	CONF	NR				
EQUIPMENT NAME 00100							
	10849LP68037	076	5247	AC VOLTMETER			
CLASSIFICATION 00105							
37		076	9037	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800			
	10849LP68037	076	5247	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800			
DIMENSIONS IN MM/INS 00110							
37		076	9037	210MM(8IN)WX210MM(8IN)HX285MM(11IN)D			
	10849LP68037	076	5247	210MM(8IN)WX210MM(8IN)HX288MM(11IN)D			
WEIGHT IN KG/LBS 00120							
37		076	9037	4.5KG(10LBS)			
	10849LP68037	076	5247	4.5KG(10LBS) MAX			
ENCLOSURE (STYLE) 00130							
37		076	9037	STYLE E, W/RACKMOUNT CAPABILITY			
PWR SUPPLY (S)/CONSUMPTION 00140							
37		076	9037	TYPE II, 50-60, 400HZ S-PHASE 115/230VAC/8 WATTS			
	10849LP68037	076	5247	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC			
MIND 00150							
37		076	9037	5000 MINUS			
READOUT MECHANISM 00160							
	10849LP68037	076	5247	DISPLAY, WITH AC VOLTS & OR VALUE, 5-DIG CAL IN REF 1MV 6000			

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, AC

ACCURACY -PCI-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER		
PRIMARY CONNECTORS						
		00170				
37		076	9037	BNC FEMALE CONNECTOR		
TEMP OPER/MIN-OPERATING						
		00210				
	19840126R037	076	5247	-55C TO +75C STORAGE		
DR LEVEL MFAS						
		16900				
37		076	9037	-70 TO +50DRM, REF 1MW/600 OHMS		
FREQ RESPONSE						
		76900				
	19840126R037	076	5247	10HZ TO 10MHZ		
RECORDING OUTPUT						
		59900				
37		076	9037	PROVIDE RECORDER OUTPUT TO 1 VOLT AT FULL SCALE	+/-3	PCI
	19840126R037	076	5247	PROVIDE RECORDER OUTPUT UP TO 1V AT FULL SCALE	+/-3	PCI
VOLTAGE, AC						
		99900				
37		076	9037	ACV MEASUREMENT, 1MV TO 300AC	+/-3	PCI
	19840126R037	076	5247	ACV MEASUREMENTS, 1MV TO 300V/-70 TO +50DRM) 12 RANGES MAX	+/-3	PCI
VOLTAGE, AC INPUT IMPEDANCE RATIO						
37		076	9037	INPUT IMPEDANCE 10 MEGOHMS		
	19840126R037	076	5247	INPUT IMPEDANCE 10 MEGOHMS		

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, DIFFERENTIAL

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
30		121	9038	VOLTMETER, DIFFERENTIAL
	10910LR60030	121	5229	DIFFERENTIAL VOLTMETER
CLASSIFICATION 00105				
	10910LR60030	121	5229	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28000
DIMENSIONS IN MM/ZINS 00110				
30		121	9038	260MM(10IN)HX235MM(9IN)HX405MM(15.5IN)D
	10910LP60030	121	5229	260MM(10IN)HX235MM(9IN)HX405
WEIGHT IN KG/LBS 00120				
30		121	9038	9.07KG(20LBS)MAX
	10910LP60030	121	5229	6.4KG(14LBS)
ENCLOSURE (STYLE) 00130				
30		121	9039	MIL-T-28000 STYLE E W/RACK MOUNT CAPABILITY
PWR SUPPLIES/CONSUMPTION 00140				
30		121	9038	TYPE II 50-60-400HZ SINGLE PHASE 115/230VAC/12W
	10910LP60030	121	5229	50-60, 1 400HZ S-PHASE 115/230VAC
MTRF 00150				
30		121	9038	7500 HRS
READOUT MTRF/RES 00160				
30		051	9007	RECORDER OUTPUT 1 VOLT FULL SCALE

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - WILINTER, DIFFERENTIAL

SPEC NR	LR	FAM CITE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
PRIMARY CONNECTORS					
30		121	9030	DUAL FEMALE BANANA PLUG	
ENVIRONMENTAL CONDITIONS					
30		121	9030	MIL-T-28000 TYPE II CLASS 5 STYLE I COLOR R	
TEMP OPER/NDM-OPERATING					
30		121	9030	0 TO 50C/-55 TO 75C	
	19030LR60030	121	5229	-55 TO 75 DEG C	
RELATIVE HUMIDITY					
30		121	9030	95(+5-0)	
ALTITUDE OPER/NDM-OPER					
30		121	9030	3050M (10000FT)/12000M(40000FT)	
VIBRATION LIMIT (MAXIMUM)					
30		121	9030	2G	
SHOCK, PHSI LFVIL					
30		121	9030	30G	
FREQ RESPONSE					
30		121	9030	20HZ TO 5KHZ +/-2PCT, TOTAL RANGE 5HZ TO 100KHZ +/-5PCT	
	19030LR60030	121	5229	5HZ TO 5KHZ	

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - VOLTMETER, DIFFERENTIAL

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
IMPEDANCE, INPUT					

			34400		
3A		121	9038	NLT 10MEGDM-DC AND 1MEGDM AC	
	1.0E+01 0.60038	121	5229	10 MEGDM DC, 1 MEGDM AC	
NULL MIN					

			46500		
3A		121	9038	VOLTAGE VARIATIONS MEASUREMENT TO 1000VDC + 1MV AC	
	1.0E+01 0.60038	121	5229	100MV MIN FOR DCV, 1MV MIN FOR ACV	
VOLTAGE, AC					

			84500		
3A		121	9038	0 TO 1000VAC IN NMT 8 RANGES	+/- .02 PCT
	1.0E+01 0.60038	121	5229	1MV TO 1000VAC	+/- .2 PCT
VOLTAGE, DC					

			84500		
3A		121	9038	-1000 TO +1000VDC IN NMT 8 RANGES	+/- .02 PCT
	1.0E+01 0.60038	121	5229	100MV TO 1000VDC	+/- .02 PCT

IN 8 RANGES

IN 8 RANGES

06/10/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, DIGITAL

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
39		074	9039	VOLTMETER, DIGITAL
	10420LR70039	074	5210	VOLTMETER, DIGITAL
CLASSIFICATION 00105				
39		074	9039	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	10420LR70039	074	5210	TYPE III, CLASS 5, COLOR R, STYLE F, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
39		074	9039	500MM(19.685)MM X 150MM(5.905)IN X 405MM(16.015)IN
	10420LR70039	074	5210	500MM(19.685)MM X 150MM(5.905)IN X 405MM(16.015)IN
WEIGHT IN KG/LBS 00120				
39		074	9039	9.5KG(21.1LBS)
	10420LR70039	074	5210	9.5KG(21.1LBS)
ENCLOSURE STYLE 00130				
39		074	9039	STYLE E, W/RACKMOUNT CAPABILITY
PWR SUPPLY (S)/CONSUMPTION 00140				
39		074	9039	TYPE II, 50, 60, 400HZ 5-PHASE 115/270VAC/60 WATTS
	10420LR70039	074	5210	50HZ, 60HZ, 400HZ 5-PHASE 115/270VAC
MTBF 00150				
39		074	9039	3000 HOURS

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - VOLTMETER, DIGITAL

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	I AM CODE	ID NR	PARAMETER	
READOUT METERS					
39		078	9039	5 1/2 DIGIT READOUT	
	19829LR70019	078	5210	DIGITAL READOUT 5 1/2 DIGITS	
PRIMARY CONNECTIONS					
39		078	9039	DUAL FEMALE BANANA JACKS	
FREQ RESPONSE					
39		078	9039	FLAT RESPONSE TO MEASUREMENT OF AC LOG FROM 50HZ TO 20KHZ	
	19829LR70019	078	5210	50HZ TO 20KHZ	+/- .05 PCT
MODE OF OPERATION					
39		078	9039	MANUAL AND AUTORANGE SELECTION	
	19829LR70019	078	5210	MANUAL AND AUTORANGE SELECTION	
RESISTANCE MEASUREMENT					
39		078	9039	10 MILLIOHMS TO 10 MEGOHMS	+/- .05 PCT
	19829LR70019	078	5210	10OHMS TO 10MEG OHMS	+/- .01 PCT
VOLTAGE AC					
39		078	9039	ACV MEASUREMENT 1MV TO 1000VAC	+/- .5 PCT
	19829LR70019	078	5210	1MV TO 1000VAC	+/- .05 PCT
VOLTAGE AC INPUT IMPEDANCE					
39		078	9039	AC INPUT IMPEDANCE 1MEG OHM	

FAMILY NAME - VOLTMETER, DIGITAL					LP/SPECIFICATION ANALYSES		06/18/80
SPEC NR	LR	FAM CDD	ID NR	PARAMETER			ACCURACY -PCT- OR AS STATED
VOLTAGE-AC INPUT IMPEDANCE 84110							

	19829LR70039	078	5210	1MEG OHMS			
VOLTAGE-DC							

39		078	9039	DCV MEASUREMENT 1MV TO 1000VDC	IN 6 RANGES		+/--.01 PCT
	19829LR70039	078	5210	1MV TO 1000VDC	MIN 6 RANGES	IN 8 RANGES	+/--.05 PCT
VOLTAGE-DC INPUT IMPEDANCE 84420							

39		078	9039	DC INPUT IMPEDANCE 10MEG OHMS			
	19829LR70039	078	5210	10MEG OHMS			

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - VOLTMETER, RF

ACCURACY -PCI-
OR AS STATED

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----00100				
40		079	9040	VOLTMETER, RF
	179291472940	079	5211	MULTIFUNCTION RF VOLTMETER
CLASSIFICATION-----00105				
40		079	9040	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	179291472940	079	5211	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS-----00110				
40		079	9040	220MM H 1/2 IN X 170MM W 1/2 IN X 300MM H 1/2 IN D
	179291472940	079	5211	220MM H 1/2 IN X 170MM W 1/2 IN X 300MM H 1/2 IN D
WEIGHT IN KG/LBS-----00120				
40		079	9040	5.5KG (12 LBS)
	179291472940	079	5211	5.5KG (12 LBS)
ENCLOSURE (TYPE)-----00130				
40		079	9040	STYLE E, W/RACK MOUNT CAPABILITY
PWR SUPPLY (S) / CONSUMPTION 00140				
40		079	9040	TYPE II, 50.60.400HZ 5-PHASE, 115/230VAC/25 WATTS
	179291472940	079	5211	50HZ, 60HZ, 400HZ 5-PHASE 115/230VAC
MTRF-----00150				
40		079	9040	7500 HOURS

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, RF

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
READOUT METHOD(S)					
40		079	9040	CALIBRATED IN AC VOLTS RMS AND DECIBELS	
	19829L072040	079	5211		
TEST LEAD/OR PROBES					
40		079	9040	DETACHABLE TEST LEAD AND/OR PROBES	
	19829L072040	079	5211	DETACHABLE TEST LEAD AND/OR PROBE	
TEMP OPER/MIN-OPERATING					
	19129L072040	079	5211	-55C TO +75C STORAGE	
CURRENT, DC					
	19829L072040	079	5211	150A TO 150MA	+/-3 PCT
DB LEVEL MEAS					
40		079	9040	-600RM TO +200RM, W/OB REF 1MW/50 OHMS	
FREQ RESPONSE					
40		079	9040	10KHZ TO 1.2GHZ	+/-1 PCT
	19829L072040	079	5211	10KHZ TO 1.2GHZ	
IMPEDANCE, INPUT					
40		079	9040	50 OHMS (NOMINAL)	
OVERLOAD PROTECTION, CUPPE					
40		079	9040	100 PERCENT OVER EACH SCALE RANGE	

E-145

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, AC TRUE RMS		FAM		ID	PARAMETER
SPEC NR	LR	CODE	NR	NR	
EQUIPMENT NAME-----					
41		000	0041	9041	VOLTMETER, AC TRUE RMS
	194101073041	000	000	5241	TRUE RMS VOLTMETER AND DB METER
CLASSIFICATION-----					
41		000	0041	9041	TYPE III, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	194101073041	000	000	5241	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS-----					
41		000	0041	9041	225MM(8.85)INX170MM(6.69)INX325MM(12.79)IN
	194101073041	000	000	5241	225MM(8.85)INX170MM(6.69)INX325MM(12.79)IN
WEIGHT IN KG/LBS-----					
41		000	0041	9041	4.5KG(10LBS)
	194101073041	000	000	5241	4.5KG(10LBS)
ENCLOSURE (STYLE)-----					
41		000	0041	9041	STYLE E W/RACKMOUNT CAPABILITY
PWP SOURCE (S)/CONSUMPTION 00140-----					
41		000	0041	9041	TYPE III, 50, 60, 400HZ S-PHASE 115/230VAC/20 WATTS
	194101073041	000	000	5241	50, 60 & 400HZ S-PHASE 115/230VAC
MTRF-----					
41		000	0041	9041	2500 HOURS

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LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, AC TRUE RMS

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
READOUT METERS				
41		00160	0041	METER CALIBRATED TO READ AC VOLTS TRUE RMS & DECIBELS
	19810LR73041	0040	5241	CALIB METER IN RMS & DB REF TO 1MW/600 OHMS
PRIMARY CONNECTORS				
41		00170	0041	SERIES BNC FEMALE
TEMP OPERATING-OPERATING				
	19810LR73041	0040	5241	-55 TO +75 DEG C
DR LEVEL MEAS				
41		0040	0041	-70 TO +400DB W/1MW AT 600 OHMS
	19810LR73041	0040	5241	-70 TO +500DB
FREQ RESPONSE				
41		0040	0041	10HZ TO 20MHZ
	19810LR73041	0040	5241	10HZ TO 10MHZ
OVERLOAD CHRG				
41		0040	0041	100 PERCENT OVER EACH SCALE RANGE
PATIO, AC				
		52400		
41		0040	0041	CREST FACTOR 100 TO 1 LOW SCALE, 10 TO 1 HIGH SCALE
RECORDING INPUT				
		50400		
41		0040	0041	RECORDING OUTPUT NOT TO EXCEED 1 VOLT AT FULL SCALE

+/-3 PCI

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, AC TRUE RMS

ACCURACY -PCT-
OR AS STATED

+/-3 PCT

PARAMETER

ID
NRFAM
CODESPEC
NR

RECORDING OUTPUT 58400

OUTPUT VOLTAGE 1V MAX

5241

040

108101071041

VOLTAGE AC INPUT IMPEDANCE 44110

10 MEGOHMS SHUNTED BY 30PF CAPACITANCE

9041

080

108101071041

2 MEGOHM SHUNTED BY LESS THAN 25PF

5241

040

108101071041

VOLTAGE OUTPUT, CONSTANT 84910

RESPONSE TIME, LESS THAN 5 SECONDS TO FINAL VALUE READING

9041

040

108101071041

VOLTAGE, TRUE RMS 86400

1000V TO 300VAC TRUE RMS

9037

076

108101071041

300V TO 1000VAC

5241

080

108101071041

WAVEFORMS 86800

SINE WAVE RMS CALIBRATED & MEAS NON-SINUSOIDAL WAVEFORMS

9041

040

108101071041

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - CALORIMETER

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
EQUIPMENT NAME-----					
42		010	9042	CALORIMETER	
	100501002042	010	5262	CALORIMETER	
FUNCTION-----					
42		010	9042	CONSISTS OF: HEAT EXCHANGER, THERMOPILE, READOUT & LOAD	
CLASSIFICATION-----					
42		010	9042	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800	
DIMENSIONS IN MM/INS-----					
42		010	9042	500MM(19.11IN)WX290MM(11.1IN)HX520MM(20.1IN)D W/O LOAD	
	100501002042	010	5262	492-6119(19.11IN)WX290MM(11.1IN)HX508MM(20.1IN)D	
WEIGHT IN KG/LBS-----					
42		010	9042	16KG/35LBS	
	100501002042	010	5262	16KG/35LBS S-PHASE 115/230VAC	
ENCLOSURE (SIVLT)-----					
42		010	9042	RACKMOUNT CAPABILITY	
PWR SUPPLY(S)/CONSUMPTION 00140-----					
42		010	9042	TYPE II, 50-60 & 400HZ, S-PHASE 115/230VAC/25 WATTS	
	100501002042	010	5262	50-60-400HZ S-PHASE 115/230VAC	
MTRF-----					
42		010	9042	2500 MIN/PS	

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - CALORIMETER

SPFC NR	LP	FAM CON	ID NR	PARAMETER	READING ACCURACY OBTAINED WITHIN 70 SECONDS
READOUT ME THRU DESI					
	10450LP02042	010	5262		
TEMP OPER/NON-OPERATING 00710					
	10450LP02042	010	5262	-55 TO 75 DEG C	
FREQ RANGE 26500					
42		010	9042	DC TO 10GHZ	
	10450LP02042	010	5262	DC TO 10GHZ	
POWER RANGE 56800					
42		010	9042	.5 TO 1000 WATTS	+/-1 PCT
	10450LP02042	010	5262	.5 TO 1000W	+/-1 PCT
STANDING WAVE PAT 10 SMP 69600					
	10450LP02042	010	5262	1.5 TO 1 MAX	
VOLTAGE STANDING WAVE RAT 86500					
42		010	9042	1.5 TO 1	

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ACCURACY -PCI-
OR AS STATED

IR/SPECIFICATION ANALYSES

FAMILY NAME - FIELD STRENGTH METER A

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
43		043	9043	FIELD STRENGTH METER
FUNCTION 00101				
43		043	9043	DETECT & MEAS ELECTROMAGNETIC SIG CHAR FROM RF SOURCE
CLASSIFICATION 00105				
43		043	9043	TYPE II-CLASS 5-STYLE E-COLOR R-PER MIL-T-28800
DIMENSIONS IN MM/LNS 00110				
43		043	9043	483MM191MMX229MM(9 IN)HX 483MM191MMD
WEIGHT IN KG/LRS 00120				
43		043	9043	28.1KG/62LRS
ENCLOSURE STYLE 00130				
43		043	9043	RACKMOUNT CAPABILITY
PWP SOURCE (S)/CONSUMPTION 00140				
43		043	9043	TYPE II-50-60, 6 400HZ, 5-PHASE 115/230VAC/30 WATTS
SECONDARY PWP SOURCE 00145				
43		043	9043	RECHARGEABLE BATTERIES, 8 HOURS UPPER TIME
MTRF 00140				
43		043	9043	1500 HOURS

LR/SPECIFICATION ANALYSES

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FAMILY NAME - FIELD STRENGTH METER A

ACCURACY --PCI--
OR AS STATED

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
PRIMARY CONNECTORS				
43		043	9043	RF CONNECTORS, SERIES BMC, AUDIO, TIP, RING, SLEEVE, TYPE 310
AUDIO TONE				
43		043	9043	PROVIDE DEMOD AUDIO SIG FROM AM & FM RF SOURCE
BEAT FREQ OSCILLATOR (BFO) 04400				
43		043	9043	BFO FOR CW AT 1KHZ
FREQ RANGE				
43		043	9043	10KHZ TO 30KHZ, WITHIN 5KHZ OR +/-2 PCT IN 8 RANGES
FREQUENCY SCAN				
43		043	9043	ELECTRONICALLY SCAN ANY ONE FREQ BAND 1 MINUTE
IF OUTPUT				
43		043	9043	PROVIDE 455KHZ IF SIGNAL
IF BANDWIDTH				
43		043	9043	SELECT IF BANDWIDTHS OF, 100KHZ, 1KHZ, 10KHZ & 50KHZ
IMAGE REJECT JUNCTION				
43		043	9043	70DB OR GREATER
IMPEDANCE, INPUT/OUTPUT				
43		043	9043	50 OHMS

+/-2 PCT

+/-10 PCT

LR/SPECIFICATION ANALYSES

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FAMILY NAME - FIELD STRENGTH METER A

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
				OUTPUT IMPEDANCE	
43		043	9043	600 OHMS	
				INPUT LEVEL MEASUREMENT	
43		043	9043	0 TO 140DB, (-0.20V TO 1V) +/-2DB OF CW SIG. AT PULSE SIG	+/-308
				NOISE FIGURE OF EQUIPMENT	
43		043	9043	LESS THAN 13DB	
				RECORDING OUTPUT	
43		043	9043	OUTPUT VOLTAGE, BOTH X-Y AXIS OF 1 VOLT	+/-3 PCT
				SPOURIOUS NOISE	
43		043	9043	70DB OR GREATER	
				VIDEO OUTPUTS	
43		043	9043	PROVIDE LOGARITHMIC VIDEO, LINEAR VIDEO & FM VIDEO SIG	
				VOLTAGE STANDING WAVE RAT	
43		043	9043	NOT EXCEED 1.5 TO 1	

LR/SPECIFICATION ANALYSES

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ACCURACY -PCT-
OR AS STATED

FAMILY NAME - FIELD STRENGTH METER R

SPEC NR	LP	PAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
44		043	9044	FIELD STRENGTH METER
FUNCTION 00101				
44		043	9044	DETECT ELECTROMAGNETIC WAVES, AVE. WEIGHTED AVE. SPEAK VALUE
CLASSIFICATION 00105				
44		043	9044	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
44		043	9044	483MM(19IN)WX229MM(9IN)HX483MM(19IN)D
WEIGHT IN KG/LBS 00120				
44		043	9044	29.9KG/66LBS
ENCLOSURE (STYLE) 00130				
44		043	9044	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION 00140				
44		043	9044	TYPE II, 50.60 & 400HZ 5-PHASE 115/230VAC/40 WATTS
SECONDARY PWR SOURCE 00145				
44		043	9044	RECHARGEABLE BATTERIES, 8 HOURS OPER TIME
MTRF 00150				
44		043	9044	1500 HOURS

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ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FIELD STRENGTH METER R

SPEC NR	LR	FW CONF	ID NR	PARAMETER	
PRIMARY CONNECTORS					
44		00170	9044	RF, TYPE N, FEMALE, AUDIO SIG JACK, TIP, RINGSLEEVE TYPE 310	
AUDIO TONE					
44		07000			
44		043	9044	PROVIDE DEMOD AUDIO SIG FROM AM & FM RF SOURCE	
HEAT FREQ OSCILLATOR (REF 06400)					
44		043	9044	RF0 FOR CH. AT 1KHZ	
FREQ RANGE					
44		043	9044	30MHZ TO 1GHZ, W/ACCURACY +/-5MHZ	0/-2 PCI
FREQUENCY SCAN					
44		043	9044	ELECTRONICALLY SCAN ANY 1 FREQ BAND IN 1 MINUTE	
IF OUTPUT					
44		13200	9044	PROVIDE 20.5MHZ IF SIGNAL	0/-2 PCI
IF BANDWIDTH					
44		043	9044	SELECT IF BANDWIDTHS OF 10KHZ, 100KHZ & 1MHZ	0/-10 PCI
IMAGE FREQ REJECTION					
44		043	9044	60DB OR GREATER	
IMPEDANCE - INPUT/OUTPUT					
44		14500	9044	50 OHMS	

LR/SPECIFICATION ANALYSES

FAMILY NAME - FIELD STRENGTH METER R

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ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM C/IDE	ID NR	PARAMETER	
				OUTPUT IMPEDANCE	35200
44		043	9044	600 OHMS	
				INPUT LEVEL MEASUREMENT	16000
44		043	9044	0 TO 140DB 1.15UV TO 1V1.17-200 FOR CM SIG.FOR PULSE:	
				NOISE FIGURE OF EQUIPMENT	44300
44		043	9044	NOISE FIGURE RATIO LESS THAN 12DB	
				RECORDER OUTPUT	54400
44		043	9044	OUTPUT VOLTAGE OF XSY AXIS OF 1VDC MAX	
				SPIRIOUS NOISE	44600
44		043	9044	6000 OR GREATER	
				VIDEO OUTPUTS	93400
44		043	9044	PROVIDE LOGARITHMIC VIDEO, LINEAR VIDEODEFM VIDEO SIGNAL	
				VOLTAGE STANDARD WAVE PAT	94500
44		043	9044	NOT EXCEED 2 TO 1	

0/-3 PCT

06/10/00

ACCURACY - PCB-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FIELD STRENGTH METER C

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
45		043	9045	FIELD STRENGTH METER
FUNCTION 00101				
45		043	9045	DETECT ELECTROMAGNETIC WAVES, AVE. WEIGHTED AVE. PEAK VALUE
CLASSIFICATION 00105				
45		043	9045	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20000
DIMENSIONS IN MM/INS 00110				
45		043	9045	493MM(19IN)X229MM(9IN)X483MM(19IN)D
WEIGHT IN KG/LBS 00120				
45		043	9045	29.9KG/65LBS
ENCLOSURE (STYLE) 00130				
45		043	9045	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION 00140				
45		043	9045	TYPE II 50-60 & 400HZ, S-PHASE 115/230VAC/40 WATTS
SECONDARY PWR SOURCE 00145				
45		043	9045	RECHARGEABLE BATTERIES, 8 HOURS OPER TIME
MTBF 00150				
45		043	9045	1500 HOURS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - FIELD STRENGTH METER C

ACCURACY -PCT-
OR AS STATED

PARAMETER

SPEC ID
NR NM

PRIMARY CONNECTORS 00170

RF-TYPE M-FEMALE, AUDIO SIG JACK TIP, RING, SLEEVE TYPE 310

AUDIO TONE 02900

PROVIDE DEMOD AUDIO SIG FROM AM & FM RF SOURCE

BEAT FREQ OSCILLATOR INFO 06400

BFO FOR CW, AT 1KHZ

FREQ RANGE 26500

10KHZ TO 100KHZ, +/-5KHZ IN 4 RANGES

FREQUENCY SCAN 27100

ELECTRONICALLY SCAN ANY 1 FREQ BAND IN 1 MINUTE

IF BANDWIDTH 31210

+/-10 PCT

IMAGE FREQ REJECTION 34000

50DB OR GREATER

IMPEDANCE, INPUT/OUTPUT 36500

50 OHMS

INPUT LEVEL MEASUREMENT 34000

FIR CM SIG & PULSES

+/-3 PCT

06/18/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FIELD STRENGTH METER C

SPEC NR	LD	FAM CONF	ID NR	PARAMETER
NOISE FIGURE OF EQUIPMENT 44300				
45		043	9045	LESS THAN 12DB
RECORDED INPUT 58400				
45		043	9045	OUTPUT VOLTAGE OF XEY AXIS OF LVDC MAX
SPURIOUS NOISE 68400				
45		043	9045	50DB OR GREATER
VIDEO OUTPUTS 83600				
45		043	9045	PROVIDE LOGARITHMIC VIDEO-LINEAR VIDEOCMH VIDEO SIGNAL
VOLTAGE STAND-0 C WAVE RAT 86500				
45		043	9045	NOT EXCEED 2 TO 1

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FIELD STRENGTH METER D

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
				EQUIPMENT NAME
46		043	9046	FIELD STRENGTH METER
				FUNCTION
46		043	9046	DETECT RF RADIATION, AT A MINIMUM, TIME PEAKERMS VALUE
				CLASSIFICATION
46		043	9046	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
				DIMENSIONS IN MM/INS
46		043	9046	403MM(15IN)X432MM(17IN)X483MM(19IN)D
				WEIGHT IN KG/LBS
46		043	9046	45.36KG/100LBS
				ENCLOSURE (STYLE)
46		043	9046	RACKMOUNT CAPABILITY
				POWER SOURCE (S)/CONSUMPTION
46		043	9046	TYPE II 50,60 & 400HZ 5-PHASE 115/230VAC/350 WATTS
				MTRF
46		043	9046	1000 HOURS
				PRIMARY CONNECTIONS
46		043	9046	RF, I-LOGHZ-TYPE N, I-10 TO 24GHZ-WAVEGUIDE, AUDIO-310 PLUGS

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - FIELD STRENGTH METER D

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
	AUDIO TUNE	02200			
46		043	9046	PROVIDE DEMOD AUDIO SIG FROM AM & FM RF SOURCE	
	BEAT FREQ OSCILLATOR (BFO) 06400				
46		043	9046	RFO FOR CW AT 1KHZ	
	FREQ RANGE	26500			
46		043	9046	1 TO 26GHZ	+/-1 PCT
	FREQUENCY SCAN	27100			
46		043	9046	ELECTRONICALLY SCAN ANY 1 FREQ BAND IN 1 MINUTE	
	IF BANDWIDTH	11210			
46		043	9046	SELECTABLE, 3 IF BANDWIDTHS OF 500KHZ, 1MHZ & 5MHZ	+/-10 PCT
	IMAGE FREQ REJECTION	14000			
46		043	9046	45DB OR GREATER	
	IMPEDANCE, INPUT/OUTPUT	14500			
46		043	9046	50 OHMS	
	INPUT IF/CT MEASUREMENT	16200			
46		043	9046	0 TO 120DB, (-120V TO .1V)	+/-20B
	NOISE FLOOR OF EQUIPMENT 44300				
46		043	9046	LESS THAN 120B	

LR/SPECIFICATION ANALYSES

06/18/80

ACCURACY - PUT -
OR AS STATED

FAMILY NAME - FIELD STRENGTH METER D

SPEC NR	LR	FAM COND	ID NR	PARAMETER
		59400		
46		043	7046	OUTPUT VOLTAGE FROM KEY AXIS OF 1VDC MAX
		48600		
46		043	7046	6008 OR GREATER
		47600		
46		043	7046	PROVIDE LOG VIDEO, LINEAR VIDEO & FM VIDEO OUTPUT SIGNALS
		48500		
46		043	7046	NOT EXCEED 2 TO 1

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER A

SPEC NR	LD	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME ----- 00100				
47		020	9047	FREQUENCY METER
	103101011047	020	5230	FREQUENCY METER
CLASSIFICATION ----- 02105				
47		020	9047	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	103101011047	020	5230	TYPE III, CLASS 5, COLOR R, STYLE PER MIL-T-28800
DIMENSIONS IN MM/INS ----- 00110				
47		020	9047	102MM(4IN)HX152MM(6IN)HX127MM(5IN)D
	103101011047	020	5230	102MM(4IN)HX152MM(6IN)HX127MM(5IN)D
WEIGHT IN KG/LBS ----- 00120				
47		020	9047	2.04KG/4.5LBS
	104101011047	020	5230	2.04KG/4.5LBS
PMR SOURCE TEST/CONSUMPTION 00140				
47		020	9047	POWERED BY EQUIPMENT UNDER TEST/.5 WATTS
	103101011047	020	5230	OBTAINED FROM EQUIPMENT UNDER TEST/0.5W
MTRF ----- 00150				
47		020	9047	10,000 HOURS
TEST LEADS/PROBES ----- 00170				
47		020	9047	DETACHABLE TEST LEADS W/INSULATED ALLIGATOR CLIPS

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER A

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
TEMP OPER/NOON-OPERATING 00210					
	175101P11047	070	5230	-55 TO 70 DEG C	
FREQ MEASUREMENTS					
47		070	9047	45 TO 65HZ,OR 300 TO 420HZ	+/-0.5 PCT
FREQ RANGE					
	175101P11047	070	5230	AC LINES,45 TO 65HZ,OR 300 TO 420HZ	+/-0.5 PCT
OPERATING RANGE					
47		070	9047	OPERATE OVER A VOLTAGE RANGE OF 100 TO 250VAC	
VIBRATING REED					
	175101P11047	070	9047	OPERATE ON VIBRATING REED PRINCIPLE,MIN/MAX OF 20 REEDS	
47		070	5230	VIBRATING REED PRINCIPLE,MINIMUM 20 REEDS	
VOLTAGE,AC					
	175101P11047	070	9047	100 TO 250VAC	

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER R

SPEC ID
NR L' FAM NR
CONF

PARAMETER

EQUIPMENT NAME 00100

FREQUENCY METER

CLASSIFICATION 00105

TYPE II, CLASS S, STYLE E, COLOR P, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

457MM(18IN)X203MM(8IN)X305MM(12IN)D

WEIGHT IN KG/LBS 00120

24.95KG/55LBS

ENCLOSURE (STYLE) 00130

RACKMOUNT CAPABILITY

SECONDARY PWR SOURCE 00145

RECHARGEABLE BATTERY, N/B HOURS OPERATING TIME

MTRF 00150

2000 HOURS (EXCLUDING BATTERIES)

READY TO USE (BATTERIES) 00160

METER

PRIMARY CONNECTIONS 00170

INPUT, BNC, FEMALE, FOR HEADPHONE, ME 310 PLUG/ERS

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY NEVER 0

ACCURACY -PCI-
OR AS STATED

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
DEMODULATION-----				
48		070	9048	DEMOD CAPABILITY FOR AUDIO OUTPUT OF SIG
FREQ MEASUREMENTS-----				
48		070	9048	30047 TO 30MHZ
IMPEDANCE, INPUT-----				
48		070	9048	50 OHMS
INPUT VOLTAGE RANGE-----				
48		070	9048	INPUT VOLTAGE RANGE, 1MV TO 1V
SPURIOUS RESPONSE-----				
48		070	9048	40DB BELOW FUNDAMENTAL FREQ

LR/SPECIFICATION ANALYSES

ACCURACY -PCI-
OR AS STATED

FAMILY NAME - FREQUENCY MEIER C.

SPEC	LR	FAM	CODI
NR			

001000

FREQUENCY METR.

CLASSIFICATION

TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800

DIMENSIONS IN MM/INS

406MM(16IN)WX305MM(12IN)HX254MM(10IN)D

WEIGHT IN POUNDS 62100

9KG/20LBS

PMQ ΣΠΟΥΔΕΣ / ΕΠΙΧΕΙΡΗΣΙΑΚΗ ΟΙΚΟΝΟΜΙΚΗ

TYPE 11, RECHARGEABLE BATTERIES, W/300 HR OPER TIME

MYRF 00150

2000 INMRS

PRIMARY CHINESE SOURCES 00170

SERIES N.F.FEMALE

75400
SINCE 1950

30MHz TO 500MHz

IMPEDANCE, INPUT 164391

50 114M5

IN 8 RANGES

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER C

SPEC NR	LD	FAM CODE	ID NR	PARAMETER
INPUT VOLTAGE RANGE 17600				
49		020	9049	INPUT VOLTAGE 10MV TO 6V
SPURIOUS RESPONSE 54000				
49		020	9049	40DB BELOW FUNDAMENTAL FREQ

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - FREQUENCY METER D

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----				
50		020	9050	FREQUENCY METER
CLASSIFICATION-----				
50		020	9050	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800
DIMENSIONS IN MM/INS-----				
50		020	9050	229MM(9IN)X179MM(7IN)X127MM(5IN)D
WEIGHT IN KG/LBS-----				
50		020	9050	3.86KG/8.5LBS
ENCLOSURE (STYLE)-----				
50		020	9050	RACKMOUNT CAPABILITY
PWR SUPPLY(ES)/CONSUMPTION-----				
50		020	9050	POWER RECEIVED FROM EQUIPMENT UNDER TEST
MTRF-----				
50		020	9050	10,000 HOURS
PRIMARY CONNECTIONS-----				
50		020	9050	INPUT & OUTPUT, SERIES N, FEMALE
FREQ MEASUREMENTS-----				
50		020	9050	200MHZ TO 500MHZ

0/-3 PCT

06/10/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER D

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
INSERTION LOSS				
50	020	020	9050	LOSS LESS THAN 0.808
QUALITY FACTOR (Q) LOADED				
50	020	020	9050	LOAD Q, 500 OR GREATER
SENSITIVITY				
50	020	020	9050	0.5MW AT FULL SCALE
VOLTAGE STANDING WAVE RAT				
50	020	020	9050	LESS THAN 1.4 TO 1

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER F

SPEC NR	LP	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME-----				
51		020	9051	FREQUENCY METER
CLASSIFICATION-----				
51		020	9051	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
DIMENSIONS IN MM/INS-----				
51		020	9051	229MM(9IN)X170MM(7IN)X127MM(5IN)D
WEIGHT IN KG/LBS-----				
51		020	9051	3.86KG/8.5LBS
PWR SOURCE(S)/CONSUMPTION 00140-----				
51		020	9051	POWER RECEIVED FROM EQUIPMENT UNDER TEST
MTBF-----				
51		020	9051	10,000 HOURS
PRIMARY CONNECTORS-----				
51		020	9051	SERIES M, FEMALE
PRFO MEASUREMENTS-----				
51		020	9051	500MHZ TO 1GHZ
INSERTION LOSS-----				
51		020	9051	LOSS LESS THAN 1DB

0/-0.2 PCT

06/18/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER F

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
QUALITY FACTOR (UNLOADED) 57210				
51		020	9051	LOAD 0.700 OR GREATER
SENSITIVITY 67600				
51		020	9051	0.5MW AT FULL SCALE
VOLTAGE STANDING WAVE RAT 96500				
51		020	9051	LESS THAN 1.4 TO 1

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER F

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
				EQUIPMENT NAME 00100
52		020	9052	FREQUENCY METER
				CLASSIFICATION 00105
52		020	9052	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
				DIMENSIONS IN MM/INS 00110
52		020	9052	152MM(6.1IN)X254MM(10.1IN)X152MM(6.1IN)D
				WEIGHT IN KG/LBS 00120
52		020	9052	5.9KG/13LBS
				ENCLOSURE (STYLE) 00130
52		020	9052	RACKMOUNT CAPABILITY
				POWER SOURCES/CONSUMPTION 00140
52		020	9052	POWER OBTAINED FROM EQUIPMENT UNDER TEST
				MTRF 00150
52		020	9052	10,000 HOURS
				PRIMARY CHARACTERISTICS 00170
52		020	9052	INPUT/OUTPUT, SERIES M, FEMALE
				RFQ MEASUREMENTS 24000
52		020	9052	1GHZ TO 4GHZ

9/-17 PCT

06/18/80

ACCURACY --PCT--
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER F

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
INSERTION LOSS				

52		020	9052	LESS THAN 0.8DB
VOLTAGE STANDING WAVE RAT				

52		020	9052	LESS THAN 1.4 TO 1

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY AFTER C

SPEC NR	Eq	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME-----				
53		020	9053	FREQUENCY METER
CLASSIFICATION-----				
53		020	9053	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
DIMENSIONS IN MM/INS-----				
53		020	9053	152MM(6IN)X254MM(10IN)HX152MM(6IN)D
WEIGHT IN KG/LBS-----				
53		020	9053	5.9KG/13LBS
PWR SOURCE(S)/CONSUMPTION-----				
53		020	9053	POWER OBTAINED FROM EQUIPMENT UNDER TEST
MTAF-----				
53		020	9053	10,000 HOURS
PRIMARY COMPONENTS-----				
53		020	9053	INPUT/OUTPUT, SERIES M, FEMALE
FREQ MEASUREMENTS-----				
53		020	9053	3.7GHZ TO 12.4GHZ
INSERTION LOSS-----				
53		020	9053	LESS THAN 0.8DB

44-17 PCI

06/18/80

ACCURACY - PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER G

SPEC NR	LP	FAM C'DIT	ID NR	PARAMETER
VOLTAGE STANDING WAVE RAT R6500				
53		020	9053	LESS THAN 1.4 TO 1

06/10/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER H

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
54		020	9054	FREQUENCY METER
CLASSIFICATION 00105				
54		020	9054	TYPE II, CLASS 5, STYLE E, COLOR K, PER MIL-T-20000
DIMENSIONS IN MM/INS 00110				
54		020	9054	152MM(6IN)X254MM(10IN)X152MM(6IN)D
WEIGHT IN KG/LBS 00120				
54		020	9054	6.9KG/13LBS
ENCLOSURE (STYLE) 00130				
54		020	9054	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION 00140				
54		020	9054	POWER OBTAINED FROM EQUIPMENT UNDER TEST
MTBF 00150				
54		020	9054	10,000 HOURS
PRIMARY CHARACTERISTICS 00170				
54		020	9054	INPUT/OUTPUT, WAVEGUIDE WR42
FREQ MEASUREMENTS 00180				
54		020	9054	17.4GHZ TO 18GHZ

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY NETP II

SPEC NR	L ²	FAM CONF	ID NR	PARAMETER
INSERTION LOSS				

54		0.20	9054	LESS THAN 0.008
RESONANCE				

54		0.20	9054	MINIMUM DIP AT RESONANCE, 108
VOLTAGE STANDING WAVE RAT				

54		0.20	9054	LESS THAN 1.2 TO 1

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - FREQUENCY METER I

SPEC NR	LR	FAM CMT	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
				EQUIPMENT NAME	
		00100			
55		020	9055	FREQUENCY METER	
		00105			
55		020	9055	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-1-28800	
		00110			
55		020	9055	152MM(6IN)WX254MM(10IN)HX152MM(6IN)D	
		00120			
55		020	9055	5.9KG/13LBS	
		00130			
55		020	9055	RACKMOUNT CAPABILITY	
		00140			
55		020	9055	POWER OBTAINED FROM EQUIPMENT UNDER TEST	
		00150			
55		020	9055	10,000	
		00170			
55		020	9055	INPUT/OUTPUT, WAVEGUIDE WR42	
		256,00			
55		020	9055	100HZ TO 20.5GHZ	

07-10 PCT

LR/SPECIFICATION ANALYSES

06/18/80

ACCURACY -PCT-
OR AS STATED

FAMILY NAME - FREQUENCY METER I

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
INSURFIRM LOSS				
		10000		
55		020	9055	LESS THAN 0.008
RESONANCE				
		60300		
55		020	9055	MINIMUM DIP AT RESONANCE, 1DR
VOLTAGE STAND °C WAVE RAT				
		86500		
55		020	9055	LESS THAN 1.2 TO 1

06/10/80

ACCURACY -PUT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - MICROWAVE LINK ANALYZER

SPEC NR	LR	FAM CDD	ID NR	PARAMETER

EQUIPMENT NAME 00100

56 030 9056 MICROWAVE LINK ANALYZER

10049L015056 030 5253 MICROWAVE LINK ANALYZER

FUNCTION 00101

56 030 9056 CHAR XNTRCVR BY 8/8.SYS IS MLA,ON CONVERTERD .0. WELP

CLASSIFICATION 00105

56 030 9056 TYPE II,CLASS 5,STYLE E,COLOR R,PER MIL-T-28000

10049L015056 030 5253 TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000

DIMENSIONS IN MM/INS 00110

56 030 9056 403MM1191MMX089MM(351MM)HX403MM(191MM)D

10049L015056 030 5253 403MM1191MMX089MM(351MM)HX403MM(191MM)D

WEIGHT IN KG/LBS 00120

56 030 9056 136KG/300LBS

10049L015056 030 5253 136.00KG(300LBS)

ENCLOSURE (STYLE) 00110

56 030 9056 RACKMOUNT CAPABILITY

PWR SUPPLY(ES)/CONSUMPTION 00140

56 030 9056 TYPE II 50.60 L 400HZ S-PHASE 115/230VAC/450 WATTS

10049L015056 030 5253 50HZ,60HZ,400HZ S-PHASE 115/230VAC

06/18/80

ACCURACY - PCI -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - MICRONAVE LENV ANALYZER

SPEC NR	LO	FAM COND	ID NR	PARAMETER
MTBF		00150		
56		030	9056	1200 HOURS
TEMP OPER/MON-OPERATING		00210		
	1005015056	030	5253	-55C TO +75C STORAGE
B/R SWEEP-MLA		05000		
56		030	9056	SWEPT B/R MEASUREMENT CAPABILITY
B/R I/Q FREQ		05010		
56		030	9056	INPUT FREQ RANGE, 100KHZ TO 15MHZ
B/R IF INPUT LEVEL		05020		
56		030	9056	-40DBM TO -100DBM
B/R IF OUTPUT LEVEL		05030		
56		030	9056	-300DBM TO 0DBM
B/R IF FWHM		05040		
56		030	9056	IF INPUT FREQ RANGE, 70.1MHZ TO 85MHZ
	101401215056	030	5253	IF FREQ, INPUT/OUTPUT FREQ RANGE 45MHZ TO 95MHZ, CONT VAR
B/R IF INPUT T		05050		
56		030	9056	75 DBMS
B/R IF SWEEP RATE		05060		
56		030	9056	ADJUSTABLE, 10 TO 100HZ

+/-0.5 MHZ

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - MICROWAVE LINK ANALYZER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
				70MHZ INPUT CONTROLLED BY MLA.M/PWR LEVEL AT +10DBM	+/- .5DB
				0 TO 60DB RANGE IN 10B STEPS	+/- .2 PCT
				R/B INPUT CONNECTOR	
				R/B INPUT,NECD 477B OR EQUIVALENT	
				RF INPUT AN IF OUTPUT	
				INPUT FREQ. 1.7GHZ TO 12GHZ	
				-20DBM TO +20DBM	
				LESS THAN 1.4 TO 1	
				50 OHMS	
				RF, SERIES M/FEMALE	

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - MICROWAVE LINK ANALYZER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
IF OUTPUT					

56		030	9056	70MHZ W/+-25MHZ DEVIATION	
OUTPUT 7					

56		030	9056	75 OHMS	
SWR,MLA					

56		030	9056	I F, WECO 4778 OR EQUIVALENT	
MICROWAVE LINK ANALYZER					

56		030	9056	CONSISTS OF IF/88 XMTR & RCVR	
	190691015056	030	5253	CONSISTS OF IF/88 XMTR & RCVR	
MLA IF					

56		030	9056	45MHZ TO 95MHZ	+/-5MHZ
MLA HARMONICS					

56		030	9056	2808 OR MORE BELOW FUNDAMENTAL FREQ	
MLA SWEEP RATE					

56		030	9056	MINIMUM 3 XMTR SWEEP RATES, LINE RATE, 70HZ/EXT 1000HZ	
	190691015056	030	5253	3XMTR SWEEP RATES 70HZ/+-3HZ, LINE & EXT FROM 10HZ-100HZ	
MLA SWEEP WIDTH					

56		030	9056	0 TO +/-25MHZ ABOUT THE 70MHZ IF FREQ	

LR/SPECIFICATION ANALYSES

6/18/80

FAMILY NAME - MICROWAVE LINK ANALYZER

ACCURACY - PCT -
OR AS STATED

SPEC NR	LR	FAM CONF	ID NR	PARAMETER	
MLA SWEEP WIDTH -----					
	10849L15056	010	5253	0 TO +/-25MHZ ABOUT THE IF FREQ OF 70MHZ	
MLA FM -----					
		41350			
56		010	9056	MEAS FM DEV FROM .5 TO 500KHZ OF R/B FREQ'S	
	10849L15056	010	5253	MEAS FM DEV FROM 0.5-500KHZ RMS OF R/B FREQ	
MLA AM -----					
		41360			
56		010	9056	AM W/VAR 0-15 PCT MOD FOR FREQ'S OF 250KHZ TO 10MHZ	
	10849L15056	010	5253	AM VARIABLE TO 15PCT/0DBM INPUT AT FREQ 250KHZ-10MHZ	
MLA OUTPUT PWR RANGE -----					
		41370			+/-10B
56		010	9056	VARIABLE OUTPUT POWER FROM -52DBM TO 0DBM	
MLA INPUT PWR RANGE -----					
		41380			
56		010	9056	-100DBM TO +210DBM FOR 1 F, 6-49 TO -100DBM FOR R/B	
MLA INPUT/OUTPUT / -----					
		41390			
56		010	9056	75 OHMS	
MLA CONNECTIONS -----					
		41400			
56		010	9056	TYPE WFCO 477B OR EQUIVALENT	
MLA FREQ MARKERS -----					
		41410			
56		010	9056	CIP MARKER AT 70MHZ, VAR MARKERS 0-25MHZ, 6AT 2MHZ INTVL	

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - MICROWAVE LINK ANALYZER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	+-10 PCT
56		030	9056	DUAL TRACE DISPLAYAT.1.3, 10B/DIV11,3610 PCT/DIV	

56		030	9056	DISPLAY SWP SELECT OF INTTEXT IF,EXT B/BE REV EXT B/B	

56		030	9056	CP DELAY DISTORTION MEAS ON B/B AT 83.3,250 & 500KHZ	

56		030	9056	DIFF PHASE MEAS ON B/B TEST TONES OF+2.4,4.43,5.668.2MHZ	

06/18/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - MODULATION METER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----00100				
57		031	9057	MODULATION METER
	19410L001057	031	5233	MODULATION METER
FUNCTION-----00101				
57		031	9057	MEASURE AM, 0-95 PCT, AND FM DEVIATION, 30HZ TO 500KHZ
CLASSIFICATION-----00105				
57		031	9057	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800
	19410L001057	031	5233	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS-----00110				
57		031	9057	483MM(19IN)HX330MM(13IN)HX457MM(18IN)D
	19410L001057	031	5233	462.6MM(19IN)HX330MM(13IN)HX457MM(18IN)D
WEIGHT IN KG/LBS-----00120				
57		031	9057	14.5KG/32LBS
	19410L001057	031	5233	14.52KG/32LBS
ENCLOSURE STYLE-----00130				
57		031	9057	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION 00140				
57		031	9057	TYPE II 50,60 & 400HZ S-PHASE 115/230VAC/75 WATTS
	19410L001057	031	5233	50,60 & 400HZ S-PHASE 115/230VAC

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ARINC RESEARCH CORP ANNAPOLIS MD
TMOE MODERNIZATION PROGRAM. VOLUME II. APPENDIX E.(U)

F/G 5/1

JUN 80 A SIMMONS, R KAVANAUGH, B PAIZ

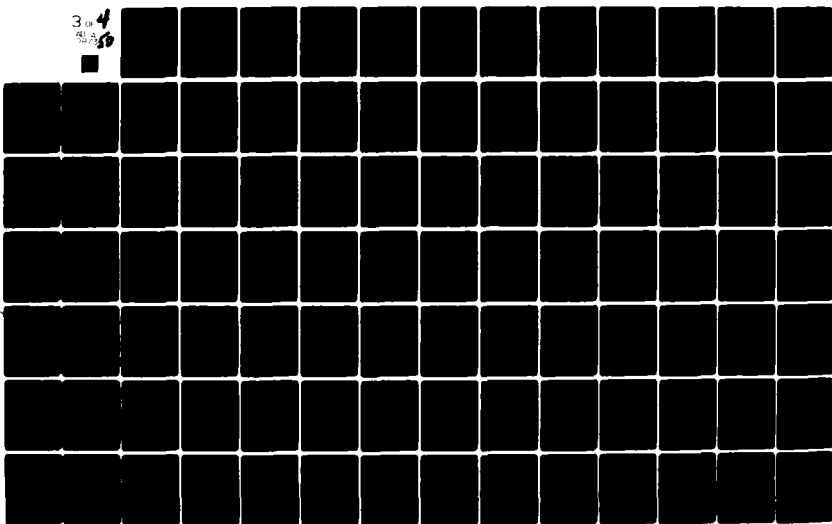
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06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - MODULATION METER

ACCURACY - PCT -
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
57		00150	9057	2400 HOURS	
PRIMARY CONNECTORS					
57		00170	9057	INPUT/OUTPUT, SERIES M, FEMALE	
TEMP OPERATING-OPERATING					
57		00210	5233	7-55 TO 75 DEG C	
AM FREQ RANGE					
57		01100	9057	AM FREQ RANGE, 4MHZ TO 350MHZ	
57		01100	5233	4MHZ TO 400MHZ	
AMPLITUDE MODULATION					
57		01200	9057	MEASURE AM FROM 30HZ TO 50KHZ AT 0 TO 90PCT MODULATION	+/-5 PCT
57		01200	5233	30HZ TO 50KHZ W/UP TO 95 PCT MODULATION	+/-5 PCT
AM INTERNAL DISTORTION					
57		01640	9057	AM DISTORTION SHALL BE LESS THAN 2 PCT	
57		01640	5233	AM DISTORTION LESS THAN	2 PCT
FM INTERNAL DISTORTION					
57		17600	9057	FM DISTORTION, LESS THAN .3PCT UP TO 200KHZ, .200 TO 500KHZ	+/-3 PCT
57		17600	5233	FM DISTORTION LESS THAN	3 PCT
FM DEVIATION					
57		26010	9057	MEASURE FM DEVIATION OF .30HZ TO 500KHZ, W/3PCT ACC IN 150K	

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - MODULATION METER

SPEC NR	LR	FAM CONF	ID NR	PARAMETER	
FM DEVIATION					
	174141R03957	031	5233	FM DEVIATION, 30HZ TO 500KHZ	
FREQ RANGE					
		24500			
57		031	9057	FM FREQ RANGE, 4MHZ TO 1000MHZ	
	174141R03957	031	5233	2MHZ TO 1GHZ	±/-10 PCT
IMPEDANCE, INPUT					
		34400			
57		031	9057	50 OHMS	
	174141R03957	031	5233	50 OHMS	
INPUT VOLTAGE RANGE					
		17600			
57		031	9057	20MV TO 3V RMS	
	174141R03957	031	5233	20MV TO 3V RMS	
SPURIOUS REFS, OHMS					
		44900			
57		031	9057	400B BELOW FUNDAMENTAL FREQUENCY	

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - NOISE POWER RATIO TEST SET

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME ----- 00100				
58		034	9058	NOISE POWER RATIO TEST SET
	19849LP20058	034	5254	NOISE LOADING TEST SET
FUNCTION ----- 00101				
58		034	9058	MAKE NOISE & INTERMOD MEAS OF WIDEBAND MULTI-CHAN SYS
CLASSIFICATION ----- 00105				
58		034	9058	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20800
	19849LP20058	034	5254	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-20800
DIMENSIONS IN MM/INS ----- 00110				
58		034	9058	483MM(19IN)HX457MM(18IN)HX533MM(21IN)D
	19849LP20058	034	5254	483MM(19IN)HX457MM(18IN)HX533MM(21IN)D
WEIGHT IN KG/LBS ----- 00120				
58		034	9058	40.8KG(90LBS)
	19849LP20058	034	5254	40.82KG(90LBS)
ENCLOSURE (STYLE) ----- 00130				
58		034	9058	RACKMOUNT CAPABILITY
POWER SOURCE(S)/CONSUMPTION 00140				
58		034	9058	TYPE II 50.60 & 400HZ S-PHASE 115/230VAC/75 WATTS
	19849LP20058	034	5254	50HZ, 400HZ, 400HZ S-PHASE 115/230VAC

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - NOISE POWER RATIO TEST SET

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
NTRE		00150			
SA		014	9058	1000 HOURS	
PRIMARY CONNECTORS		00170			
SA		014	9058	INPUT/OUTPUT, SERIES BNC, FEMALE	
TEMP OPER/NTN-OPERATING		00210			
	19440120058	014	5254	-55C TO +75C STORAGE	
IMPEDANCE, INPUT/OUTPUT		14500			
SA		014	9058	75 OHMS	
	19440120058	014	5254	INPUT/OUTPUT 2, 75 OHMS	
OUTPUT POWER		15100			
SA		014	9058	OUTPUT POWER LEVEL ADJUSTABLE, -500RM TO 000M	+/-1 PCT
	19440120058	014	5254	0 TO -500RM ADJUSTABLE	+/-1 PCT
RECORDING OUTPUT		58400			
SA		014	9058	PROVIDE ANALOG RECORDER OUTPUT	
WHITE NOISE GENERATOR		86700			
SA		014	9058	GENERATE WHITE NOISE OVER A FREQ OF 12KHZ TO 12.4MHZ	
WHITE NOISE FREQ RANGE		86910			
	19440120058	014	5254	WHITE NOISE, 12KHZ TO 12.4MHZ	

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - NOISE POWER RATIO TEST SET

ACCURACY -PCI-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
NOISE LEVEL					

50		034	9050	NOISE LEVEL OF A 2KHZ SECTION SHALL NOT VARY MORE THAN	±/- .500
	1084401820050	034	5254	2KHZ OVER THE RANGE	±/- .500

NOISE PRESET					

50		034	9050	SHALL HAVE A MINIMUM OF 6 SELECTABLE RECEIVER CHANNELS	
	1084401820050	034	5254	MINIMUM OF 6 CH	

NOISE BANDWIDTH					

50		034	9050	EACH CHANNEL BANDWIDTH SHALL BE AT LEAST 2KHZ	
	1084401820050	034	5254	MINIMUM OF 2KHZ	

NOISE RECEIVER SENSITIVITY					

50		034	9050	-12000M	
	1084401820050	034	5254	SENSITIVITY, -12000M	

NOISE RECEIVER ATTENUATION					

50		034	9050	INPUT ATTENUATION CAPABILITY OF, 0 TO 8000	
	1084401820050	034	5254	ATTENUATION, 0 TO 8000	

LR/SPECIFICATION ANALYSES

FAMILY NAME - NOISE GENERATOR, TWELVE CHANNEL

06/10/80

ACCURACY - PCT -
OR AS STATED

SPFC NR	LR	FAM CMM	ID NR	PARAMETER
EQUIPMENT NAME 00100				
59		014	9059	NOISE GENERATOR 12 CHANNEL
	10050LR21059	014	5265	NOISE LOADING TEST SET B
CLASSIFICATION 00105				
59		014	9059	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-20800
	10050LR21059	014	5265	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-20800
DIMENSIONS IN MM/LNS 00110				
59		014	9059	483MM(19IN)X178MM(7IN)X318MM(12.5IN)D
	10050LR21059	014	5265	482.6MM(19IN)X177.8MM(7IN)X317.5MM(12.5IN)D
WEIGHT IN KG/LNS 00120				
59		014	9059	11.8KG/26LBS
	10050LR21059	014	5265	11.79KG/26LBS
ENCLOSURE STYLE 00130				
59		014	9059	RACKMOUNT CAPABILITY
PWR SUPPLY RSY/CONSUMPTION 00140				
59		014	9059	TYPE II 50.60 C 400HZ S-PHASE ILS/230VAC/21 WATTS
	10050LR21059	014	5265	50.60 C 400HZ S-PHASE ILS/230VAC
MTRF 00150				
59		014	9059	1500 HOURS

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - NOISE GENERATOR, TWELVE CHANNEL

ACCURACY - PCT -
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
PRIMARY CONNECTORS					
		00120			
59		034	9059	OUTPUT, WECO 310, TIP, RING & SLEEVE JACK OR EQUIVALENT	
TEMP OPER/NON-OPERATING					
		00210			
	10450LR21059	034	5265	/-55 TO 75 DEG C	
ATTENUATION					
		02400			
59		034	9059	ATTENUATION PER CHAN, -32 TO 008M	+/-108M
	10450LR21059	034	5265	0 TO -3208M	+/-108M
OUTPUT POWER					
		35100			
59		034	9059	MAX OUTPUT PER CHAN, 008M +/-108M	+/-108M
	10450LR21059	034	5265	MAX OUTPUT EACH CHAN, 008M	+/-108M
OUTPUT IMPEDANCE					
		35200			
59		034	9059	600 OHMS	
	10450LR21059	034	5265	600 OHMS	
MODULATION CHARACTERISTIC					
		42500			
	10450LR21059	034	5265	12 VF CHAN'S, EACH 300-3400HZ, W/GAUSSIAN DISTR NOISE SIG	
NOISE SOURCE					
		45200			
59		034	9059	GEN 12.0VF CHAN'S 300-3400HZ, W/GAUSSIAN DISTR NOISE SIG	
PEAK TO RMS RATIO					
		51400			
59		034	9059	PEAK TO RMS NOISE RATIO OF SIG WITHIN BD AT 1PCT OF TIME	

LR/SPECIFICATION ANALYSES

FAMILY NAME - NOISE GENERATOR, TWELVE CHANNEL

06/10/80

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
PEAK TO RMS RATIO				

1985	LR21059	034	5265	PEAK TO RMS WITHIN 808 AT 10CT/TIME 1008/.1 PCT OF TIME
RETURN LOSS				

59		034	9059	RETURN LOSS GREATER THAN 2008
1985	LR21059	034	5265	GREATER THAN 2008, RETURN LOSS
SPURIOUS NOISE				

59		034	9059	1 OFF CHAN. W/OTHER ON, LESS THAN 1008A1-7508M WEIGHTED
1985	LR21059	034	5265	W/L CHAN OFF, SPURIOUS NOISE LESS/1008A (-7508M FIA WGTD)

ACCURACY -PCT-
OR AS STATED

TLQ/SPECIFICATION ANALYSES

FAMILY NAME - PHASE MEYER

SPEC	LR	FAM	ID
NR	NR	CONF	NR

PARAMETEREQUIPMENT NAME
00100

PHASE METER

FUNCTION **NO101**

MEAS PHASE ANGLE BETWEEN 2 AC SIG.W/AMPL RATIO TO 1000:1

CLASSIFICATION

TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800

001100
SNI/AM 11 SNI/AM 11
001100

403MH(19IN)HX152MH(61IN)HX406MH(161IN)0

WEIGHT IN KG/LAS 00120

13-6K6/30LOS

ENCLOSURE (SYLF) 20130

BACKGROUND CAPABILITY

MR SURGE IS/C7NSUMPTIWN 07140

TYPE II 50-60 C 400HZ 3-PHASE 115/230VAC/40 WATTS

05100

900 HOURS

PRIMARY CIRCULARS 00170

INPUT/OUTPUT, SERIES N, FEMALE

ULR/SPECIFICATION ANALYSES

ACCURACY -PCI-
OR AS STATED

FAMILY NAME - PHASE AFTER

NR
SPFC

1.2

**July
1993**

ID NR

PARAMETER

FREQ RANK **26500**

00 610 0006 1001 2002

IMPFDANCE, INPUT 14600

60 0311 9060 1 MEGNIM, SHUNED BY 26PF

INPUT VOLTAGE RANGE 374.00

AN	07A	9060	INPUT VOLTAGE LEVEL FROM 1MV TO 300V RMS
00	0000	0000	0000
01	0000	0000	0000
02	0000	0000	0000
03	0000	0000	0000
04	0000	0000	0000
05	0000	0000	0000
06	0000	0000	0000
07	0000	0000	0000
08	0000	0000	0000
09	0000	0000	0000
10	0000	0000	0000
11	0000	0000	0000
12	0000	0000	0000
13	0000	0000	0000
14	0000	0000	0000
15	0000	0000	0000
16	0000	0000	0000
17	0000	0000	0000
18	0000	0000	0000
19	0000	0000	0000
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78	0000	0000	0000
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86	0000	0000	0000
87	0000	0000	0000
88	0000	0000	0000
89	0000		

PHASE ANGLE MEASUREMENT 52900

60 07A 9060 2 SELECTABLE RANGES, -180 TO +180 DEG & 0 TO 360 DEG

9305-14

06/18/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - WATTMETER, RF

SPEC
NR L^o FAM
CODE

PARAMETER

ID
NR

EQUIPMENT NAME 00100

61 040 9061 WATTMETER, RF

19819L076061 040 5243 WATTMETER, 500W

CLASSIFICATION 00105

61 040 9061 TYPE II, CLASS 5, STYLE E, COLOR R, PFR MIL-T-28800

19819L076061 040 5243 TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

61 040 9061 152MM(6IN)WX216MM(8 1/2IN)HX57MM(2 1/8IN)D

19819L076061 040 5243 152.4MM(6IN)WX215.9MM(8.5IN)HX472.2MM(18IN)D

WEIGHT IN KG/LBS 00120

61 040 9061 11.34KG(25LBS)

19819L076061 040 5243 11.34KG(25LBS)

ENCLOSURE (STYLE) 00130

61 040 9061 STYLE E

PWR SOURCE(S)/CONSUMPTION 00140

61 040 9061 PWR TO OPERATE THIS UNIT PROVIDED BY UNIT UNDER TEST

19819L076061 040 5243 PROVIDED BY EQUIPMENT UNDER TEST, 50.60 OR 400HZ

MTRF 00150

61 040 9061 10,000 HOURS

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - WATTMETER, RF				ACCURACY - PCT - OR AS STATED	
SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
READOUT METHODS					
		00160			
61		040	9061	READOUT METER THAT DISPLAYS OUTPUT POWER	+/-5 PCT
PRIMARY CONNECTORS					
		00170			
61		040	9061	TYPE N	
TEMP OPER/NOH-OPERATING					
		00210			
	17011LR7661	040	5243	-55 TO 75 DEG C	
FREQ RANGE					
		76500			
61		040	9061	30MHZ TO 500MHZ	
	17011LR7661	040	5243	30 TO 500MHZ	
IMPEDANCE, INPUT					
		34400			
61		040	9061	50 OHMS	
	17011LR7661	040	5243	50 OHMS	
POWER RANGE					
		56900			
61		040	9061	0 TO 1000 WATTS	+/-5 PCT
	17011LR7661	040	5243	0 TO 500W	+/-5 PCT
INSERTION VSWR					
		56840			
61		040	9061	INSERTION VSWR, NO GREATER THAN 1.2 TO 1	
	17011LR7661	040	5243	LESS THAN 1.3 TO 1	
TERMINATION					
		75630			
61		040	9061	SELF CONTAINED, AIR COOLED RESISTIVE TERMINATION LOAD	

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - POWER METER PF IN-LINE

SPEC
NR L9 FAM
COM NR

PARAMETER

EQUIPMENT NAME 00100

62 002 9062 POWER METER, PF IN-LINE

WATTMETER

CLASSIFICATION 00105

62 002 9062 TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800

TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

62 002 9062 203MM(8IN)WX152MM(6IN)HX203MM(8IN)

203.3MM(8IN)WX152.4MM(6IN)HX203.2MM(8IN)D

WEIGHT IN KG/LBS 00120

62 002 9062 3.63KG(8LBS)

3.63KG(8LBS)

ENCLOSURE (STYLE) 00130

62 002 9062 STYLE E

PM SOURCE(S)/CONSUMPTION 00140

62 002 9062 POWER TO OPERATE THIS UNIT PROVIDED BY UNIT UNDER TEST

PROVIDED BY EQUIPMENT UNDER TEST

MTRF 00150

62 002 9062 10,000 HOURS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - POWER METER RF IN-LINE

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
READOUT METHOD(S)-----				
62		092	9062	DISPLAY FWD, REFL PWR AND VSMP IN ANALOG OR DIGITAL
PRIMARY CONNECTORS-----				
62		082	9062	SERIES M.FEMALE
TEMP OPER/HOM-OPERATING-----				
	19819LR75062	082	5244	-55 TO 75 DEG C
FREQ RANGE-----				
62		082	9062	2MHZ TO 2.3GHZ, W/SELECTABLE TUNING HEADS
	19819LR75062	082	5244	2MHZ TO 2.3GHZ
IMPEDANCE, INPUT-----				
62		082	9062	50 OHMS
	19819LR75062	082	5244	50 OHMS
POWER RANGE-----				
62		082	9062	1W TO 10KW
	19819LR75062	082	5244	1W TO 10KW
INSERTION VSUR-----				
62		082	9062	INSERTION VSUR NO GREATER THAN 1.1 TO 1
	19819LR75062	082	5244	LESS THAN 1.1 TO 1
REFLECTED PWR-----				
	19819LR75062	082	5244	100W TO 1W MAX

9/-5 PCT
9/-5 PCT

06/18/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - POWER METER OF IN-LINE

SPEC NR	LD	FAM CODE	ID NR	PARAMETER
VOLTAGE STAND'G WAVE RAT 96500				
191101.075062		002	5244	1.0 TO 1 TO 2.0 TO 1

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - POWER METER SIF

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----00100				
63		041	9063	POWER METER,SIF
	10440LP77063	041	5261	WATTMETER
CLASSIFICATION-----00105				
63		041	9063	TYPE II,CLASS 5,STYLE E,COLOR R,PER MIL-T-28800
	10440LP77063	041	5261	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS-----00110				
63		041	9063	229MM(9IN)HX203MM(8IN)HX105MM(4IN)D
	10440LP77063	041	5261	229MM(9IN)HX203MM(8IN)HX301MM(12IN)D
WEIGHT IN KG/LBS-----00120				
63		041	9063	4.54KG(10LBS)
	10440LP77063	041	5261	4.54KG(10LBS) MAX
ENCLOSURE (STYLE)-----00130				
63		041	9063	STYLE E
	10440LP77063	041	5261	STYLE E
PWR SOURCE(S)/CONSUMPTION 00140				
63		041	9063	TYPE II,50-60 & 400HZ S-PHASE 115/230VAC/25W
	10440LP77063	041	5261	50HZ,60HZ,400HZ S-PHASE 115/230VAC
MTRF-----00150				
63		041	9063	10,070 HOURS

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - POWER METER SW

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	TD NR	PARAMETER
REANNOT METRODES				
		00160		
63		041	9063	DISPLAY CALIBRATED TO MILLIWATTS/DB'S IN ANALOG/DIGITAL
	104401077063	041	5261	DISPLAY THE MEASURED POWER IN WATTS & DBM
PRIMARY CONNECTORS				
		00170		
63		041	9063	SERIES TYPE N. W/ADAPTER FOR WAVEGUIDE CONFIGURATION
TEMP OPER/STOR-OPERATING				
		00210		
	104401077063	041	5261	-55C TO +75C STORAGE
FREQ RANGE				
		26500		
63		041	9063	1MHZ TO 10GHZ, W/MORE THAN 4 DETECTOR HEADS
	104401077063	041	5261	1MHZ TO 10GHZ
IEEE 488 CAPABILITY				
		31000		
63		041	9063	WHEN REQUIRED BY PRODUCING ACTIVITY, IEEE CAPABILITY
IMPEDANCE, INPUT				
		34400		
63		041	9063	IMPEDANCE INPUT, 50 OHMS
POWER RANGE				
		54100		
63		041	9063	1000WATTS TO 10 MILLIWATTS
	104401077063	041	5261	1000WATTS TO 10 MILLIWATTS
INSERTION LOSS				
		54100		
63		041	9063	INSERTED VSWR, MAX OF 1.3 TO 1.10 1.6 TO 1

0/-1 PCI

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - POWER METER SHF

SPEC NR	LP	FAM CHIE	ID NR	PARAMETER
REORDER INPUT -----				
63		041	9063	VOLTAGE OUTPUT NOT TO EXCEED 1.0V
	17849L57763	041	5261	RECORDER OUTPUT NOT TO EXCEED 1.0VDC FULL SCALE
TERMINATION -----				
63		041	9063	POWERMETER PLUS SOURCES ACT AS 50 OHM TERMINATION

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SIGNAL GENERATOR, IPACKING

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
		00100		EQUIPMENT NAME
64		056	9064	SIGNAL GENERATOR TRACKING
		00101		FUNCTION
64		056	9064	USED W/FREQ SELECT VHSPECT ANAL R/B FOR PRECISION MEAS
		00105		CLASSIFICATION
64		056	9064	TYPE II, CLASS S, STYLE E, COLOR RAPER MIL-T-20800
		00110		DIMENSIONS IN MM/INS
64		056	9064	483MM(19IN)WX203MM(8IN)HX483MM(19IN)D
		00120		WEIGHT IN KG/LBS
64		056	9064	13.6KG/30LBS
		00130		ENCLOSURE (STYLE)
64		056	9064	RACKMOUNT CAPABILITY
		00140		PWR SOURCE (S)/CONSUMPTION
64		056	9064	TYPE II 50-60 & 400HZ 5-PHASE 115/230VAC/60 WATTS
		00150		MTBF
64		056	9064	2400 HOURS
		21500		FREQ RANGE
64		056	9064	CONTINUOUSLY TUNABLE, 4KHZ TO 9.1MHZ

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - SIGNAL GENERATOR, TRACKING

SPEC NO	LP	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
OUTPUT POWER					

64		056	9064	VARIABLE FROM 0 TO -100DB	+/--.108M
TRACKING					

64		056	9064	CAPABLE OF TRACKING SELECTIVE VOLTMMETER	

06/10/80

ACCURACY -PCT-
OR AS STATEDLR/SPECIFICATION ANALYSES
FAMILY NAME - SPECTRUM ANALYZER, LOW FREQUENCY

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
65		059	9065	SPECTRUM ANALYZER, LOW FREQUENCY
	193101256086	075	5235	SPECTRUM ANALYZER,
CLASSIFICATION 00105				
65		059	9065	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20800
	193101256086	075	5235	TYPE III, CLASS 5, COLOR R, STYLE C, PER MIL-T-20800
DIMENSIONS IN MM/INS 00110				
65		059	9065	431MM(17IN)WX229MM(9IN)HX559MM(22IN)D
	193101256086	075	5235	431.0MM(17IN)WX228.6MM(9IN)HX304.8MM(12IN)D
WEIGHT IN KG/LBS 00120				
65		059	9065	20.4KG(45LBS)
	193101256086	075	5235	16.4KG(36LBS)
ENCLOSURE (STYLE) 00130				
65		059	9065	STYLE E
PWR SOURCE (VSI)/CONSUMPTION 00140				
65		059	9065	TYPE II, 50-60, 400HZ S-PHASE 115/230VAC/40 WATTS
	193101256086	075	5235	50-60 & 400HZ S-PHASE 115/230VAC
MFR 00150				
65		059	9065	2500 HOURS

LR/SPECIFICATION ANALYSES

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FAMILY NAME - SPECTRUM ANALYZER, LOW FREQUENCY

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
READOUT METHODS					
		00140			
65		059	9065	CRT, W/LINEAR UVOLTS, MVOLTS, VOLT AND DB READOUT	
	1P810LP56086	075	5235	VOLTS AND DB REF 1MW/600 OHM	
PRIMARY CONNECTORS					
		00170			
65		059	9065	BNC CONNECTORS	
TEMP OPER/NDM-OPERATING					
		00210			
	1P810LP56086	075	5235	/-55 TO 75 DEG C	
AMPLITUDE MEASUREMENT					
		00500			
65		059	9065	-135 TO +200DBM, REF 008M EQUALS 1MW AT 50/600 OHMS	+/-5 PCT
	1P810LP56086	075	5235	-15000M TO 3000M, +/-5PCT VOLTAGE, +/-1PCT AT LOG SCALE	
RANDOMNESS MEASUREMENTS					
		05100			
65		059	9065	VARIABLE, FROM 10HZ TO 30KHZ AT 300 POINTS	+/-20 PCT
DYNAMIC RANGE					
		22000			
65		059	9065	DYNAMIC RANGE 75DB	
FREQ MEASUREMENTS					
		25600			
65		059	9065	0 TO 10MHZ, VARIABLE, W/ERROR BETWEEN ANY 2 POINTS LESS	+/-0.2 PCT
	1P810LP56086	075	5235	15HZ TO 50KHZ W/ERROR BETWEEN ANY 2PTS, 2PCT	+/-100HZ
IMPEDANCE INPUT					
		34400			
65		059	9065	50 AND 600 OHMS (MINIMAL)	

06/10/80

LN/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER, LOW FREQUENCY

ACCURACY - PCI -
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY - PCI - OR AS STATED
IMPEDANCE INPUT					

		14400			
	1001010000000000	075	5235	50 AND 600 OHMS NOMINAL	
REORDER OUTPUT					

		50400			
65		050	9065	PROVIDE SWEEP VOLTAGE & SIGNAL LEVEL NO GREATER THAN 5V	+/-3 PCT
	1001010000000000	075	5235	SWEEP VOLTS & SIG LEVEL NO GREATER THAN 5V	+/-
SPURIOUS RESPONSE					

		60000			
65		050	9065	80DB BELOW INPUT REFERENCE LEVEL	
	1001010000000000	075	5235	80DB BELOW INPUT REF LEVEL	
SWEEP FUNCTION START/STOP					

		72040			
65		050	9065	SELECTABLE START/STOP SWEEP OR SINGLE SWEEP FREQ	
	1001010000000000	075	5235	SELECTABLE START/STOP SWEEP FREQ THROUGHOUT FREQ BAND	
SWEEP MODE					

		72400			
65		050	9065	AUTOMATIC AND MANUAL SWEEP MODES	
	1001010000000000	075	5235	AUTOMATIC & MANUAL SWEEP MODE	
SWEEP RATE					

		73200			
65		050	9065	VARIABLE FROM 1 MILLISEC TO 100 SECONDS	
	1001010000000000	075	5235	VARIABLE FROM .1SEC TO 200 SECONDS	

LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER, BASEBAND

06/10/80

ACCURACY - PCT -
OR AS STATED

SPEC NR	LP	FAM C/NOI	ID MR	PARAMETER
EQUIPMENT NAME ----- 00100				
66		060	9066	SPECTRUM ANALYZER BASEBAND
	100101054066	060	5236	SPECTRUM ANALYZER
FUNCTION ----- 00101				
66		060	9066	COMPAT W/SIG GEN TRACKING & SELECT FREQ VM & CAMERA
CLASSIFICATION ----- 00105				
66		060	9066	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20000
	100101054066	060	5236	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-20000
DIMENSIONS IN MM/INS ----- 00110				
66		060	9066	403MM(19IN)MX203MM(8IN)HX403MM(19IN)D
	100101054066	060	5236	402.6MM(19IN)MX203.2MM(8IN)HX402.6MM(19IN)D
WEIGHT IN KG/LBS ----- 00120				
66		060	9066	12.7KG/28LBS
	100101054066	060	5236	12.7KG/28LBS
ENCLOSURE (STYLE) ----- 00130				
66		060	9066	RACKMOUNT CAPABILITY
PWR SUPPLY (ES)/CONSUMPTION 00140				
66		060	9066	TYPE II 50.60 & 400HZ S-PHASE 115/230VAC/40 WATTS
	100101054066	060	5236	50.60 & 400HZ S-PHASE 115/230VAC

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LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER, BASERAND

ACCURACY -PCT-
OR AS STATED

SPEC LR CAN ID PARAMETER

MTRF 00150

66 060 9066 1200 HOURS

READOUT MET-UNIT(S) 00160

66 060 9066 CRT DISPLAY, -20DB TO +10DB OF THE 0DB REF LEVEL

194191954066 060 5236 CRT W/-20 TO +10DB W/0DB REF LEVEL

TEMP OPER/NOH-OPERATING 00210

194191954066 060 5236 -55 TO 75 DEG C

HARMONIC DISTORTION 19400

66 060 9066 50DB BELOW THE INPUT SIGNAL LEVEL

194191954066 060 5236 50DB MINIMUM

FREQ RANGE 26500

66 060 9066 4KHZ TO 9.1MHZ

194191954066 060 5236 4KHZ TO 9.1MHZ

MARKERS 41600

66 060 9066 MARKER CONTINUALLY ADJUSTABLE OVER RANGE AT LEAST 25DB +/-1 PCT

RESOLUTION 50000

66 060 9066 40HZ, 150HZ, 11500HZ FOR SELECT SWEEP BANDS, 1, 2, 3 RESPECT-

194191954066 060 5236 60, 150 & 1500/1ST, 2ND & 3RD SWIP +/-1 PCT

SWEEP RATE 73210

66 060 9066 VARIABLE & DETERMINED BY SWEEP WIDTH, UP TO 1 SWP PER SEC

LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER, BASF BAND

ACCURACY -PCI-
DR AS STALU

PARAMETER

102

CONFIDENTIAL

SPEC 12
NR 12

SWEEP DATE	TIME
7/1/00	

LESS THAN 1 SHEEP PER SECOND

SWEEP WISYI 27400

44-10 PCT

3 SELECTABLE, 300-3.1 KHZ, 10 TO 12 KHZ, & 100 TO 300 KHZ

SELECTABLE, 0-3.1KHZ, 10KHZ TO 12KHZ & AT LEAST 100/300KHZ

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ACCURACY - PUT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME -----				
67		061	9067	SPECTRUM ANALYZER, RF
CLASSIFICATION -----				
67		061	9067	TYPE II, CLASS S, STYLE E, COLOR R, P/R MIL-T-28800
DIMENSIONS IN MM/IN. -----				
67		061	9067	432MM(17IN)HX356MM(14IN)HX610MM(24IN)D
WEIGHT IN KG/LBS -----				
67		061	9067	27.2KG(60LBS)
ENCLOSURE (STYLE) -----				
67		061	9067	STYLE E W/RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION -----				
67		061	9067	TYPE II, 50, 60, 400HZ S-PHASE L15/230VAC/200 WATTS
MTRF -----				
67		061	9067	1500 HOURS
PEAKOUT MTRF(S) -----				
67		061	9067	CRT DISPLAY W/DIGITAL READOUT
PRIMARY CONNECTORS -----				
67		061	9067	SERIES N FEMALE CONNECTORS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - SPECTRUM ANALYZER

SPEC NR	LO	FAM C'DEF	ID NR	PARAMETER	ACCURACY -PCI- OR AS STATED
AMPLITUDE MEASUREMENT-----					
67		061	9067	-100 TO +300dB.M/LOGARITHMIC & LINEAR SCALES AT 10B OR	+/-10 PCI
BANDWIDTH MEASUREMENTS-----					
67		061	9067	SELECTABLE BANDWIDTH FROM 1KHZ TO 3MHZ	+/-2 PCI
DISPLAY CHARACTERISTICS-----					
67		061	9067	FREQ DISPLAY ERROR LESS THAN 5PCT BETWEEN ANY 2 POINTS	
DYNAMIC RANGE-----					
67		061	9067	DYNAMIC RANGE OF AT LEAST 60DB	
FREQ MEASUREMENTS-----					
67		061	9067	FREQ RANGE .100KHZ TO 1.5GHZ	+/-1 PCI
IMPEDANCE, INPUT-----					
67		061	9067	INPUT IMPEDANCE 50 OHMS	
RECORDING OUTPUT-----					
67		061	9067	PROVIDE ANALOG SIGNAL OF INPUT SIGNAL POWER	
SPURIOUS RESPONSE-----					
67		061	9067	SPURIOUS RESPONSE .00DB BELOW LEVEL OF INPUT REF SIGNAL	
SWEEP MODE-----					
67		061	9067	AUTOMATIC AND MANUAL SWEEP MODES	

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER

SPEC NR	LQ	FAM CODE	ID NR	PARAMETER
SHEEP RATE ----- 77200				
67		061	9067	AUTOMATIC SHEEP SPEED SELECTABLE, 3MSEC/DIV TO 1SEC/DIV

LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER, RF

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ACCURACY - PCT-
OR AS STATED

SPEC
NR L2 FAM ID
CONF NR

PARAMETER

EQUIPMENT NAME 00100

SPECTRUM ANALYZER, RF
SPECTRUM ANALYZER
SPECTRUM ANALYZER

CLASSIFICATION 00105

TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
TYPE III, CLASS 5, COLOR, STYLE E, PER MIL-T-28800
TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

483MM(19IN)X356MM(14IN)X610MM(24IN)D

482.6MM(19IN)X355.6MM(14IN)X609.6MM(24IN)D
431.0MM(17IN)X355.6MM(14IN)X609.6MM(24IN)D

WEIGHT IN KG/LBS 00120

38.5AKG(85LBS)

27.2KG(60LBS)
27.2KG(60LBS)

ENCLOSURE STYLE 00130

STYLE E W/BACKMOUNT CAPABILITY

MAIN POWER PLUG IN 00135

MAINFRAME CONCEPT

POWER SUPPLY CONSUMPTION 00140

TYPE II, 50, 60, 400W/ 5-PHASE, 115/225 WATTS

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER, RF

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
PWR SUPPLIES/CONSUMPTION 00140					
	19910LP5106A	062	5237	50.60 E 400HZ S-PHASE 115/230VAC	
	19910LP5506A	061	5246	50.60 E 400HZ S-PHASE 115/230VAC	
MTRF 00150					
68		062	9068	1600 HOURS	
READOUT MEASUREMENTS 00160					
68		062	9068	CRT W/8X10 DIV. TO DISPLAY REF LEVEL, VERT. FREQ. BANDWIDTH	
	19910LP5106A	062	5237	CRT	
	19910LP5506A	061	5246	CRT, W/DISPLAY ERROR +/-5 PCT RTM ANY 2	
PRIMARY CONNECTIONS 00170					
69		062	9068	TYPE N, TO 18GHZ, WAVEGUIDE FLANGE 18 TO 40GHZ	
TEMP OPER/MON-OPERATING 00210					
	19910LP5106A	062	5237	-55 TO 75 DEG C	
	19910LP5506A	061	5246	-55 TO 75 DEG C	
AMPLITUDE MEASUREMENT 00500					
68		062	9068	FULL SCREEN CALIB REF LEVEL OF -110 TO +30DBM	+/-6 PCT
	19910LP5106A	062	5237	-100 TO +200DBM, 100DBM/8.2GHZ, 400DBM/18GHZ, 70/40GHZ LOG/LIN	100/6PCT
	19910LP5506A	061	5246	-100DBM TO +300DBM FOR LOG SCALE	+/-108
ATTENUATION 02400					
	19910LP5106A	062	5237	IF ATTENUATOR, 510R IN 10R STEPS	
BANDWIDTHS & ASSEMBLIES 05100					
68		062	9068	VARIABLE FROM 100HZ TO 1MHZ, IN DECADE STEPS	+/-5 PCT

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LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER, RF

ACCURACY - PCT -
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
RANDOM NOISE MEASUREMENTS					
				1KHZ TO 2MHZ	+/-2 PCT
		061	5246		
DYNAMIC RANGE					
		27000			
		062	9068	7008	
		061	5246	AT LEAST 60DB	
FREQ RANGE					
		26500			
		062	9068	10MHZ TO 40GHZ, AT +/- .2PCT + 20PCT OF SPAN/DIV	+/-200KHZ
		062	5237	10MHZ TO 40GHZ, 1PCT +/- 10MHZ OF INDICATED VALUE	
		061	5246	100KHZ TO 1.5GHZ W/DISPLAY	+/-1 PCT
IEEE BUS CAPABILITY					
		33000			
		062	9068	IEEE BUS CAPABILITY	
IMPEDANCE INPUT					
		34400			
		062	9068	50 OHMS W/MAX VSWR OF 1.45 TO 1	
		062	5237	50 OHMS	
OVERLOAD CHRG					
		44400			
		062	9068	OVERLOAD PROTECTION UPTO 10W CM & 1000W PEAK PULSE	
RESOLUTION					
		60000			
		062	5237	1KHZ TO 100KHZ	
SPURIOUS RESPONSE					
		44800			
		062	9068	-40DBM REFUM NCF FREQUENCY	

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ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SPECTRUM ANALYZER, RF

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
SPURIOUS RESPONSE				

	10410LP55060	061	5246	8000 BELOW LEVEL OF INPUT SIG
STABILITY WARM UP TIME				

	10410LR53060	062	5237	+/-200KHZ AFTER 1 MINUTE
SWEET MIN				

60		062	9068	MANUAL, AUTOMATIC & SINGLE SWEET
	10410LR55060	061	5246	AUTOMATIC & MANUAL MODE
SWEET RATE				

60		062	9068	300USEC/DIV TO 1SEC/DIV, IN 1, 2, 5, 10 SEQUENCE
	10410LR55060	061	5246	AUTO-SWEET SELECTABLE FROM 3MS/DIV TO 1SEC/DIV

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ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - STANDING WAVE RATIO (SWR) METER

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME ----- 00100				
69		063	9069	STANDING WAVE RATIO (SWR) METER
	19849LR57069	063	5257	STANDING WAVE RATIO METER
CLASSIFICATION ----- 00105				
69		063	9069	TYPE II-CLASS 5, STYLE E, COLOR R, PER MIL-T-28000
	19849LR57069	063	5257	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000
DIMENSIONS IN MM/INS ----- 00110				
69		063	9069	229MM(9.1IN)X203MM(8.1IN)X305MM(12.1IN)D
	19849LR57069	063	5257	450MM(17.7IN)X260MM(10.1IN)X550MM(21.7IN)D
WEIGHT IN KG/LBS ----- 00120				
69		063	9069	6.8KG(15LBS)
	19849LR57069	063	5257	29.5KG(65LBS)
PWR SOURCE (S)/CONSUMPTION ----- 00140				
69		063	9069	TYPE II 50-60 & 400HZ S-PHASE 115/230VAC/5 WATTS
	19849LR57069	063	5257	50HZ, 60HZ, 400HZ S-PHASE 115/210VAC
SECONDARY PWR SOURCE ----- 00145				
69		063	9069	RECHARGEABLE BATTERY, OPER TIME, 10 HOURS
READOUT MECHANISM ----- 00160				
69		063	9069	METER DISPLAY IN VSWR & DB

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - STANDING WAVE RATIO (SWR) METER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
READOUT MECHANISM				
	178491R57069	063	5257	METER DISPLAY IN BOTH VSWR AND DB
PRIMARY CONNECTIONS				
		00170		
69		063	9069	INPUT, SERIES BNC, FEMALE
TEMP OPERATING-OPERATING				
		00210		
	194691R57069	063	5257	-55C TO +75C STORAGE
ATTENUATION				
		02800		
69		063	9069	0 TO 70DB
	194691R57069	063	5257	0 TO 70DB
BANDWIDTH				
		05200		
69		063	9069	VARIABLE BETWEEN 15HZ TO 130KHZ
	194691R57069	063	5257	VARIABLE BETWEEN 15HZ TO 130KHZ
FREQ RANGE				
		26500		
69		063	9069	FREQ RANGE DETERMINED BY UNIT UNDER TEST
	194691R57069	063	5257	1000HZ
IMPEDANCE INPUT				
		14400		
69		063	9069	100 OHMS-CRYSTAL DEF, 5000 UNBIASED, 1K BIASED, 200-BUILD
	194691R57069	063	5257	100 OHMS CRYSTAL DEF, 5000 UNBIASED, 1000 BIASED, 200 BUILD
PFC OUTPUT				
		53400		
69		063	9069	RECORDER OUTPUT UP TO 1VDC

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ACCURACY -PCT-
OR AS STATED

LP/SPECIFICATION ANALYSES

FAMILY NAME - STANDING WAVE RATIO (SWR) METER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
RESOLUTION-----				
69		063	9069	AT LEAST .15UV RMS FOR FULL SCALE DEFLECTION
	100401857069	063	5257	AT LEAST 0.15UV RMS FOR FULL SCALE DEFLECTION
RF VOLTAGE OUTPUT-----				
	100401857069	063	5257	VSMR UP TO 10 TO 1
VOLTAGE STANDING WAVE RAT-----				
69		063	9069	MEASURE VSMR UP TO A RATIO OF 10 TO 1

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, FREQUENCY SELECTIVE

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME-----00100				
70		110	9070	VOLTMETER FREQUENCY SELECTIVE
	170449LR71070	110	5251	FREQUENCY SELECTIVE VOLTMETER
FUNCTION-----00101				
70		110	9070	COMPAT W/SIG GEN TRACKING & SPECT ANAL B/B
CLASSIFICATION-----00105				
70		110	9070	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28000
	170449LR71070	110	5251	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000
DIMENSIONS IN MM/INS-----00110				
70		110	9070	403MM(19IN)WX279MM(11IN)HX470MM(18.5IN)D
	170449LR71070	110	5251	403MM(19IN)WX279MM(11IN)HX470MM(18.5IN)D
WEIGHT IN KG/LBS-----00120				
70		110	9070	21.3KG/47LBS
	170449LR71070	110	5251	21.32KG(47LBS)
ENCLOSURE (STYLE)-----00130				
70		110	9070	RACKMOUNT CAPABILITY
PWR SOURCE (S1)/CONSUMPTION 00140				
70		110	9070	TYPE II 50,60 & 400HZ S-PHASE 115/230VAC/100 WATTS
	170449LR71070	110	5251	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, FREQUENCY SELECTIVE

ACCURACY - PCT -
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
MTRE		00150			
70		110	9070	1200 HOURS	
PRIMARY CONNECTIONS					
70		110	9070	RF INPUT/OUTPUT SERIES BNC, FEMALE, AUDIO, WECO 310A	
TEMP OPER/MON-OPERATING					
	170401871070	110	5251	-55C TO +75C STORAGE	
BANDWIDTH MEASUREMENTS					
70		110	9070	2 SELECTABLE BANDWIDTHS, 3.1KHZ +/- 10PCT, 6200HZ +/- 20PCT	
	170401871070	110	5251	2 SEL BANDWIDTHS 3.1KHZ +/- 10PCT, 200HZ +/- 20PCT	
DEMODULATION					
70		110	9070	DEMOD AM & SSB SUPPRESSED CARRIER TO AUDIO SIG	
	170401871070	110	5251	DEMOD AM & SSB SUPPRESSED CYR TO AUDIO SIG & AMPLIFIER	
HARMONIC DISTORTION					
70		110	9070	6500 BELOW FUNDAMENTAL FREQ	
	170401871070	110	5251	6500 BELOW FUNDAMENTAL FREQ	
FREQ RANGE					
70		110	9070	TUNABLE BETWEEN 4KHZ & 9.1KHZ	+/- 30HZ
	170401871070	110	5251	TUNABLE FROM 4KHZ TO 9.1KHZ, USABLE TO 1KHZ	+/- 30 HZ
IMAGE REJECTION					
70		110	9070	IMAGE REJECTION, 70DB	

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOLTMETER, FREQUENCY SELECTIVE

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ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
IMAGE REJ REJECTION 14000				

	19440LR71070	110	5251	IMAGE REJECTION , AT LEAST 70DB
IMPEDANCE, INPUT 14400				

70		110	9070	75,135,600 & HIGH Z OF 1000 OHMS,BALANCED&UNBALANCED
	19440LR71070	110	5251	75 , 135 , 600 & HIGH Z OF AT LEAST 1000 OHMS,UNBAL & BA
INPUT LEVEL MEASUREMENT 14900				

70		110	9070	-110DBM TO +200DBM
	19440LR71070	110	5251	MEASURES -110DBM TO +200DBM INPUT LEVELS

+/-0.2DBM
+/-0.2 DBM

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - AUDIO SYSTEM TEST SET

ACCURACY - PCT -
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	ACCURACY - PCT - OR AS STATED
EQUIPMENT NAME 00100					
71		112	9071	AUDIO SYSTEM TEST SET	
CLASSIFICATION 00105					
71		112	9071	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800	
DIMENSIONS IN MM/INS 00110					
71		112	9071	267MM(10.5IN)X203MM(8IN)X203MM(8IN)D	
WEIGHT IN KG/ILBS 00120					
71		112	9071	4.5KG/10LBS	
ENCLOSURE (STYLE) 00130					
71		112	9071	RACKMOUNT CAPABILITY	
PWR SOURCE (S) / CONSUMPTION 00140					
71		112	9071	TYPE II 50.60 E 400HZ S-PHASE 115/230VAC/25 WATTS	
MTRF 00150					
71		112	9071	2400 HOURS	
PEAKOUT MT (HOURS) 00160					
71		112	9071	METER DYNAMICS AS SPECIFIED BY AMIR NAIL STD MEAS(C16-5)	
PRIMARY CONNECTORS 00170					
71		112	9071	INPUT, DUAL FEMALE BANANA JACK	

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LR/SPECIFICATION ANALYSES

FAMILY NAME - AUDIO SYSTEM TEST SET

SPEC NR	LR	FAM CODE	TD NR	PARAMETER	ACCURACY -PCT- OR AS STATED
DRIFT					
71		20100	9071	3KHZ TEST TONE TO DETERMINE TAPL SPEED DRIFT	+/-5 PCT
IMPEDANCE, INPUT					
71		112	9071	100K OHMS UNBALANCED TO GROUND	
INPUT VOLTAGE RANGE					
71		112	9071	15MV TO 10V RMS	
MEASUREMENTS					
71		112	9071	3 TEST RANGES AT .1PCT, .3PCT & 3PCT RMS FULL SCALE	
TEST OSCILLATOR					
71		112	9071	3KHZ OUTPUT	
MOW AND FLUTTER					
71		112	9071	MEASURE MOW & FLUTTER BETWEEN .5HZ TO 200HZ	+/-5 PCT

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - DATA FROM TEST SET

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
72		011	9072	DATA ERROR TEST SET
	10440107072	011	5250	ERROR RATE COUNTER
CLASSIFICATION 00105				
72		011	9072	TYPE 11, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	10440107072	011	5250	TYPE 111, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
	10440107072	010	5262	TYPE 111, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
72		011	9072	403MM(191IN)X203MM(8IN)X406MM(16IN)D
	10440107072	011	5250	403MM(191IN)X203MM(8IN)X406MM(16IN)D
WEIGHT IN KG/LBS 00120				
72		011	9072	11.3KG(25LBS)
	10440107072	011	5250	11.3KG(25LBS)
ENCLOSURE STYLE 00130				
72		011	9072	RACKMOUNT CAPABILITY
POWER SUPPLY, VOLT/CONSUMPTION 00140				
72		011	9072	TYPE 11 50+00 & 400HZ 5-PHASE 115/230VAC/
	10440107072	011	5250	50HZ, 60HZ, 400HZ 3-PHASE 115/230VAC
MTRF 00150				
72		011	9072	3500 HOURS

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ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - DATA FROM TEST SET

SPEC NR	LO	FAM CODE	ID NR	PARAMETER
PRIMARY CONNECTIONS				

72		013	9072	INPUT/OUTPUT FOR TJL-BMC FEMALE-MODEM/TERM-EIA RS-232C
TEMP OPER/MIL-OPERATING				

	134491007072	013	5250	-55C TO +75C STORAGE
BIT FROM COUNT				

72		013	9072	PROVIDE READOUT OF BIT & BLOCK ERRORS
	134491007072	013	5250	PROVIDE READOUT OF BIT & BLOCK ERRORS
DATA SIGNAL FORMAT				

72		013	9072	GEN & ANALYZE SYNC & ASYNCHRONOUS BINARY DATA SIGNALS
	134491007072	013	5250	GEN & ANALYZE SYNC & ASYNC BINARY DATA SIG, HALF, FULL DUP
DATA SIGNAL BIT RATE				

72		013	9072	INTERNAL 150 TO 9600 RPS-EXTERNAL TIMING SOURCE 0-5MHZ
	134491007072	013	5250	INT 150 TO 9600RPS-EXT TIMING SOURCE 0 TO 5MHZ BIT RATE
DISTORTION MEASUREMENTS				

72		013	9072	MEASURE PEAK & BIAS DISTORTION
	134491007072	013	5250	MEASURE PEAK & BIAS DISTORTION
FROM TRANSMISSION				

72		013	9072	TRANSMIT KNOWN ERROR WITHIN A DATA SIGNAL
	134491007072	013	5250	TRANSMIT KNOWN ERRORS WITHIN THE TRANSMIT DATA SIGNAL

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ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - DATA ERROR TEST SET

SPEC NR	LP	FW CMM	ID NR	PARAMETER
CARRIER LOSS				
72		013	9072	INDICATE LOSS OF DATA SIGNAL CONDITION
	1016401007072	013	5250	INDICATE LOSS OF REC SIGNAL CONDITION
RECORDING INPUT				
72		013	9072	RECORD/PRINTER OUTPUT CAPABILITY
	1016401007072	013	5250	RECORD/PRINTER OUTPUT CAPABILITY
TEST PATTERNS				
72		013	9072	MARK,SPACE,ALT MARKS&SPACES,6 63, 611 & 2047 BIT
	1016401007072	013	5250	MARK,SPACE ALT MARKS & SPACES,63,611 & 2047BIT TEST PATT

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ACCURACY -PCI-
OR AS STATED

+/-1 PCI

LR/SPECIFICATION ANALYSES

FAMILY NAME - DIAL EQUIPMENT TEST SET

SPEC NR	LP	FAM CODE	ID NR	PARAMETER

122 5248

EQUIPMENT NAME 00100

DIAL EQUIPMENT TEST SET

DIAL EQUIPMENT TEST SET

CLASSIFICATION 00105

TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20800
TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-20800

DIMENSIONS IN MM/INS 00110

403MM(19IN)HX406MM(16IN)HX356MM(14IN)D

403MM(19IN)HX406MM(16IN)HX356MM(14IN)D

WEIGHT IN KG/INS 00120

13.6KG(30LBS)

13.6KG(30LBS) MAX

ENCLOSURE (STYLE) 00110

RACKMOUNT CAPABILITY

PMR SUPPLY (S)/CONSUMPTION 00140

TYPE II 50.60 S-PHASE 115/230VAC/70 WATTS
50HZ, 400HZ, 400HZ S-PHASE 115/230VAC, EXTERNAL -48VDC

LR/SPECIFICATION ANALYSES

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FAMILY NAME - DAIL EQUIPMENT TEST SET

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
MTAF		00150			
73		122	9073	2000 HOURS	
PRIMARY CONNECTORS		00170			
73		122	9073	PLUG W/TIP,RING & SLEEVE	
TEMP OPER/VOL-OPERATING		00210			
	10949LP04073	122	5248	-55C TO +75C STORAGE	
EXTERNAL DIAL		17400			
73		122	9073	EXTERNAL DIAL OR PULSE INPUT CAPABILITY	
MODE OF OPERATION		42400			
73		122	9073	SF TONE,2600HZ	+/ -1HZ
	10949LP04073	122	5248	SF TONE 2600HZ	+/ -1 HZ
SEND FUNCTIONS		63200			
73		122	9073	TEST EEM,RAT-OPEN,RAT-GND SIGNALING & DIAL-LOOP TESTING	
	10949LP04073	122	5248	SEND FUNCT,F & M,RAT-OPEN,RAT-GND,LOOP DIAL	
SEND SIGNAL PULSE RATE		63300			
73		122	9073	PULSE RATE,5 TO 20PPS IN 1PCT INCREMENTS	
	10949LP04073	122	5248	PULSE RATE 5 TO 20PPS IN 1PCT INCREMENTS	
SEND SIGNAL PULSE PCT ORF		63310			
73		122	9073	GEN'D DIAL PULSES ADJUSTABLE FROM 10 TO 90PCT BREAK	

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 ACCURACY -PCT-
 OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - DAIL EQUIPMENT TEST SFT

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
SEND SIGNAL PULSE PCT PRF 43350					
	17449LR04073	122	5240	SIGNAL PCT BREAK (SEND) ADJ FROM 10 TO 90PCT IN 1PCT INC	
REC SIGNAL PULSE RATE 63400					
73		122	9073	MEASURE PULSE SIG FOR LOOP DIALGECM SIG AT 2 TO 20PPS	+/-1PPS
	17449LR04073	122	5240	MEAS REC PULSF SIG 2 TO 20PPS, +/-1PPS OF ACTUAL PULSE	
REC SIGNAL PULSE PCT BREA 63450					
73		122	9073	INDICATE PERCENT BREAK OF 10 TO 90PCT OF REC'D PULSE SIG	+/-1 PCT
	17449LR04073	122	5240	REC PULSF PCT BREAK 10 TO 90PCT	+/-1 PCT
SIGNAL LEVEL OUTPUT 65600					
73		122	9073	SF TONE LEVEL ADJUST FROM 0 TO -30DBM AT 600 OHMS	
	17449LR04073	122	5240	SF TONE LEVEL ADJ FROM 0 TO -30DBM AT 600 OHMS.	
FUNCTIONS 70400					
73		122	9073	SF FUNCTIONS, ON-HOOK, OFF-HOOK, FOR SENDREC OR CONT PULSE	

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ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - DISTORTION ANALYZER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER

	1944LP7074	014	5249	H/P FILTER TO FILTER OUT FREQ & HARMONICS BELOW 400HZ
EQUIPMENT NAME				

74		014	9074	DISTORTION ANALYZER
	1944LR7074	014	5249	DISTORTION ANALYZER
CLASSIFICATION				

74		014	9074	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	1944LR7074	014	5249	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS				

74		014	9074	432MM(17IN)HX203MM(8IN)HX330MM(13IN)D
	1944LR7074	014	5249	432MM(17IN)HX203MM(8IN)HX330MM(13IN)D
WEIGHT IN KG/LBS				

74		014	9074	8.2KG(18LBS)
	1944LR7074	014	5249	8.16KG(18LBS)
ENCLOSURE (STYLE)				

74		014	9074	RACKMOUNT CAPABILITY
	1944LR7074	014	5249	STYLE E
PWR SUPPLY EST/CONSUMPTION				

74		014	9074	TYPE II 50.60A 400HZ 5-PHASE 115/230VAC/10 WATTS

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LR/SPECIFICATION ANALYSES

FAMILY NAME - DISTORTION ANALYZER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
PMR SOURCES/CONSUMPTION 00140					
	10446L070074	014	5249	50HZ-60HZ,400HZ S-PHASE 115/230VAC	
MTBF 00150					
74		014	9074	12,000 HOURS	
PRIMARY CONNECTORS 00170					
74		014	9074	INPUT/OUTPUT,FEMALE DUAL BANANA PLUGS	
TEMP OPER/VOL-OPERATING 00210					
	10446L070074	014	5249	-55C TO +75C STORAGE	
HARMONIC DISTORTION 10400					
74		014	9074	64DB BELOW FUNDAMENTAL FREQ	
	10446L070074	014	5249	64DB BELOW FUNDAMENTAL FREQ	
DISTORTION INPUT INPUT 2 10800					
74		014	9074	1 MEGOHMS SHUNTED BY 70PF CAPACITANCE	
DISTORTION MEASUREMENTS 20000					
74		014	9074	LEVEL MEAS FROM .1 TO 100PCT FOR FREQ BETWEEN 5HZ TO 500KH	+/-3 PCT
	10446L070074	014	5249	LEVEL MEAS FROM 0.1-100PCT FOR FREQ'S 5HZ-500KHZ	+/-3 PCT
FILTER 24100					
74		014	9074	HIGH PASS FILTER TO FILTER OUT FREQ HARMONICS BELOW 400HZ	

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LR/SPECIFICATION ANALYSES

FAMILY NAME - DISTORTION ANALYZER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LO	FAM CONF	ID NR	PARAMETER	
FILTER					
		74100			
	104401870074	014	5249	HIGH PASS FILTER TO FILTER OUT FREQ & HARMONICS BELOW	
FUNDAMENTAL REJECTION					
		77400			
74		014	9074	GREATER THAN -80DB	
	104401870074	014	5249	GREATER THAN -80DB	
OUTPUT IMPEDANCE					
		14200			
74		014	9074	2K OHMS	
	104401870074	014	5249	2K OHMS	
INPUT LEVEL MEASUREMENT					
		34900			
74		014	9074	-750RM TO +620RM	
	104401870074	014	5249	INPUT POWER RANGE -750RM TO +620RM	
INPUT VOLTAGE RANGE					
		37400			
74		014	9074	ABSOLUTE VOLTAGE RANGE 300UV TO 300V RMS	+/-5 PCT
	104401870074	014	5249	VOLTAGE RANGE 300UV TO 300V RMS	+/-5 PCT
NULL MODE					
		44900			
74		014	9074	AUTO & MANUAL NULL MODE CAPABILITY	
	104401870074	014	5249	AUTO & MAN MODE NULL +/-30R AT 5-100HZ, +/-1.50R 0.1-500K	
SIGNAL LEVEL INPUT					
		45400			
74		014	9074	OUTPUT OF DISTORTION COMPONENTS IF .1V RMS	+/-10 PCT

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LR/SPECIFICATION ANALYSES

FAMILY NAME - DISTORTION ANALYZER

ACCURACY -PCT-
OR AS STATED

SPFC NR	LO	FAM CMT	ID NP	PARAMETER	ACCURACY -PCT- OR AS STATED
SIGNAL 1 VOL OUTPUT 65000					
100401R70074					
		014	5249	OUTPUT OF DIST COMP OF 0.1V RMS, FULL SCALE METER INDICA	+/-10 PCT
VOLTAGE AC INPUT IMPEDANCE 44110					
74					
		014	9074	1 MEGOHMS, SHUNTED BY 70PF FOR 300UV TO 1V, 635 FOR 1-300V	
	100401R70074	014	5249	1 MEGOHM SHUNTED BY 10 MORE THAN 70PF	

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ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - ENVELOPE DELAY TEST SET

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME ----- 00100				
75		016	9075	ENVELOPE DELAY TEST SET
	198501006075	016	5263	ENVELOPE DELAY TEST SET
CLASSIFICATION ----- 00105				
75		016	9075	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20800
	198501006075	016	5263	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-20800
DIMENSIONS IN MM/INS ----- 00110				
75		016	9075	403MM(19IN)X280MM(11IN)HX457MM(18IN)D
	198501006075	016	5263	402.6(19IN)X280MM(11IN)HX457MM(18IN)D
WEIGHT IN KG/LBS ----- 00120				
75		016	9075	20.4KG/45LBS
	198501006075	016	5263	20.4KG/45LBS
ENCLOSURE (STYLE) ----- 00130				
75		016	9075	RACKMOUNT CAPABILITY
PWR SUPPLY (VTS)/CONSUMPTION 00140				
75		016	9075	TYPE II 50,60 & 400HZ 5-PHASE 115/230VAC/80 WATTS
	198501006075	016	5263	50,60 & 400HZ 5-PHASE 115/230VAC
MTRF ----- 00150				
75		016	9075	4500 HOURS

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LR/SPECIFICATION ANALYSES

FAMILY NAME - ENVELOPE DELAY TEST SET

ACCURACY -PCT-
OR AS STATED

SPEC NR	LP	RAM CONF	ID NR	PARAMETER	
PRIMARY CONNECTIONS					
		00170			
75		016	9075	INPUT/OUTPUT, WECO 310 PLUGS OR DUAL BANANA PLUGS	
TEMP OPER/NON-OPERATING					
		00210			
	1945-01-006-075	016	5263	-55 TO 75 DEG C	
ENVELOPE DELAY					
		22400			
75		016	9075	MEAS RELATIVE ENVELOPE DELAY FROM 0 TO 40 MILLISECONDS	+/-10USEC
	1945-01-006-075	016	5263	RELATIVE DELAY, 0 TO 40 MILLISECONDS, +/-10MS-25HZ, 5MS-83	
ENVELOPE DELAY MEAS CONF					
		22500			
75		016	9075	END-TO-END, END-TO-END W/RTN REF & LOOP-BACK MODE	
	1945-01-006-075	016	5263	END TO END, END TO END W/RTN REF AND LOOP MODES	
FREQ OF SPIN					
		26700			
75		016	9075	200HZ TO 600KHZ	
	1945-01-006-075	016	5263	200HZ TO 600KHZ	
IMPEDANCE, INPUT/OUTPUT					
		34500			
75		016	9075	135,150,600 & 900 OHMS BALANCED TO GND	+/-5 PCT
	1945-01-006-075	016	5263	135,150,600 & 900 OHMS BALANCED TO GND	+/-5 PCT
LONGITUDINAL BALANCE					
		40500			
75		016	9075	LONGITUDINAL BALANCE BETWEEN INPUT & OUTPUT 4000	
	1945-01-006-075	016	5263	4001	

LR/SPECIFICATION ANALYSES

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FAMILY NAME - ENVELOPE DELAY TEST SET

SPEC NR	Lo	FAM CMT	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
MODULATION CHARACTERISTIC 42500					
75		016	9075	ENVELOPE MEAS USING MOD FREQ 5.25.831/36250HZ DBL SB MOD	50 PCT
	1.94591806675	016	5263	MOD FREQS.25.83.33 & 250HZ.W/50 PCT DBL SIDEBAND MOD	
RETURN REF FREQ 61100					
75		016	9075	RETURN REF FREQ ADJUSTABLE FROM 200 TO 600KHZ	
	1.94591806675	016	5263	RTN RFF FREQ.ADJ 200HZ TO 600KHZ	
SIGNAL LEVEL INPUT 65200					
75		016	9075	RECEIVE INPUT LEVEL,-45 TO +20DBM	
	1.94591806675	016	5263	-45DBM TO +20DBM	
SIGNAL LEVEL OUTPUT 65600					
75		016	9075	TRANSMIT OUTPUT LEVEL,-20DBM TO +10DBM	+/--.2DB
	1.94591806675	016	5263	-20DBM TO +10DBM,E NOT VARY MORE THAN .2DB/300HZ-20KHZ	

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ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - IMPULSE NOISE COUNTER

SPEC NR	LE	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME				
-----		00100		
76		023	9076	IMPULSE NOISE COUNTER
19440112076		023	5252	IMPULSE NOISE TEST SET
CLASSIFICATION				
-----		00105		
76		023	9076	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
19440112076		023	5252	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS				
-----		00110		
76		023	9076	483MM(19IN)X280MM(11IN)X356MM(14IN)D
19440112076		023	5252	450MM(17IN)X260MM(10IN)X508MM(20IN)D
WEIGHT IN KG/LBS				
-----		00120		
76		023	9076	11.4KG/25LBS
19440112076		023	5252	29.5KG(65LBS)
ENCLOSURE STYLE				
-----		00130		
76		023	9076	RACKMOUNT CAPABILITY
PWR SOURCE (S1)/CONSUMPTION				
-----		00140		
76		023	9076	TYPE II 50.60 & 400HZ S-PHASE 115/230VAC/50 WATTS
19440112076		023	5252	50HZ, 60HZ, 400HZ S-PHASE 115/210VAC
SECONDARY PWR SOURCE				
-----		00145		
76		023	9076	-48VDC EXTERNAL POWER SOURCE

LR/SPECIFICATION ANALYSES

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FAMILY NAME - IMPULSE NOISE COUNTER

ACCURACY -PCI-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
NRFC		00150			
76		021	9076	2000 HOURS	
PRIMARY CONNECTORS					
76		021	9076	INPUT, WECO TYPE 310 JACKS OR EQUIVALENT	
TEMP OPER/MIN-OPERATING					
		021	5252	-55C TO +75C STORAGE	
HOLD CIRCUIT					
76		021	9076	LOW RESISTANCE HOLD CKT FOR DIAL CKTS	
IDLE CHANNEL NOISE					
76		021	9076	MEASURE IDLE CHAN NOISE FROM 200000 TO 900000	+/-100
		021	5252	MEASURES IDLE CH NOISE FROM 20 TO 90000	+/-1 DB
IMPEDANCE, INPUT					
76		021	9076	INPUT Z, FOR CHAN NOISE MEAS, 135,600,900 OHMS, W/TERMERRG	
		021	5252	INPUT Z, 135,600,900 OHMS BAL-CMD, TERM & BRIDGING CAPABIL	
IMPULSE NOISE					
76		021	9076	COUNT IMPULSE NOISE RITS FROM 0 TO 990 IMPULSES	
		021	5252	COUNT IMPULSES(IMPULSE) FROM 0 TO 990	
IMPULSE NOISE, THRESHOLD L					
76		021	9076	ADJUSTABLE THRESHOLD FROM 30 TO 90000, IN 100 STEPS	

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LR/SPECIFICATION ANALYSES

FAMILY NAME - IMPULSE NOISE COUNTER

ACCURACY -PCT-
OR AS STATED

+/-0.25 DB

SPEC NR	LP	FAM CODE	ID NP	PARAMETER
IMPULSE NOISE THRESHOLD L 7A010				
	10840L12076	023	5252	ADJ THRESHOLD FROM 30 TO 900RPM
IMPULSE NOISE MAX NUM OF 7A060				
76		023	9076	7 IMPULSES/SEC MIN
	10840L12076	023	5252	7 IMPULSES/SEC MIN
MONITOR OUTPUT 43200				
76		023	9076	MONITOR JACK
NOISE T1 GROUND MEASUREMF 4A000				
76	10840L12076	023	9076	PERFORM NOISE TO GND MEASUREMENTS
		023	5252	CAPABLE OF PERFORMING NOISE TO GND MEASUREMENTS
NOISE T3 GROUND INPUT 7 4A100				
76		023	9076	INPUT 2 IN NOISE TO GND BOX TO 100K OHMS FROM R/T TO GND
	10840L12076	023	5252	AT LEAST 90K OHMS BTM T/R 100K OHMS RET T/R & GROUND
NOISE WEIGHTING NETWORKS 4A300				
76		023	9076	PROVIDE 3KHZ FLAT "CM" MSG NOISE WEIGHTING W/EXT CAPABIL
TIMER 74400				
76		023	9076	TIMER TO PERMIT UNATTENDED MEAS OF 5 TO 60MIN OR CONTIN

ACCURACY -PCI-
OR AS STATED

ULR/SPECIFICATION ANALYSES

FAMILY NAME - CNIC ANALYST

SPEC	LR	FAM	ID
NR		CONF	NR
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00100

EQUIPMENT

77 077 9077 LOGIC ANALYZER

CLASSIFICATION

77	077	9077	TYPE II, CLASS 5, STYLE E, COLOR R, PFR MIL-7-28800

0110
DIMENSIONS IN MM/INS

777	077	9077	483MM(19IN)HX457MM(18IN)HX559MM(22IN)ID

WEIGHT IN KG/LBS 00120

11 027 4077 15.9KG/35LBS

ENCLOSURE (5 PAGES) 00110

77	027	9077	RACKMOUNT CAPABILITY

POWER SUPPLY / CONSUMPTION 00140

077 077 TYPE 11 50,60 & 400HZ 5-PHASE 115/230VAC/200 WATTS

05100

[illegible]

U.S. DEPARTMENT OF JUSTICE

7 1977 CRY DISPLAY IN BINARY

SALES AND SERVICE
1971

1	0.77	0.0177	INPUT/OUTPUT, 16 PIN FORM OF 15 AND 05
1	0.77	0.0177	INPUT/OUTPUT, 16 PIN FORM OF 15 AND 05

FAMILY NAME - LOGIC ANALYTIC

ACCURACY -PCI-
OR AS STATED

SPEC. NR	LR	FAM COND	ID NR	PARAMETER
		07600		
77		077	9077	OPERATE AT RIT RATE UPTO 20MHZ
77		077	9077	GROUP OCTAL DATA TO BLOCKS OF 36 BLOCK OF 4, FOR HEXEBCD
77		077	9077	COMPATIBLE W/TTL, MOS & ECL LOGIC LEVELS
77		077	9077	OPER INDEP OF TRIGGER TO DISPLAY CHANGING STEADY LOGIC
77		077	9077	CAPTURE DATA EVENT BEFORE/ AFTER SELECTED TRIGGER WORD

06/18/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - PHASE JITTER METER

SPEC NR L⁹ FAM CODE ID NR

PARAMETER

EQUIPMENT NAME 00100

7A 037 9078 PHASE JITTER METER
10440101107A 037 5255 PHASE JITTER METER

CLASSIFICATION 00105

7A 037 9078 TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800
10440101107A 037 5255 TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

7A 037 9078 483MM(19IN)X203MM(8IN)X305MM(12IN)D
10440101107A 037 5255 483MM(19IN)X203MM(8IN)X305MM(12IN)D

WEIGHT IN KG/LBS 00120

7A 037 9078 8.2KG(18LBS)
10440101107A 037 5255 8.2KG(18LBS) MAX

ENCLOSURE STYLE 00130

7A 037 9078 RACKMOUNT CAPABILITY

PWR SUPPLY-ES/CONSUMPTION 00140

7A 037 9078 TYPE II 50-60 & 400HZ S-PHASE 115/230VAC/50 WATTS
10440101107A 037 5255 50HZ, 60HZ, 400HZ S-PHASE 115/230VAC

MTBF 00150

7A 037 9078 2500 HOURS

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - PHASE JITTER METER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
MTRF-----					
	10449101070	017	5255	2500 HOURS	
PRIMARY CONNECTORS-----					
		00170			
70		017	9070	INPUT/OUTPUT FOR 1KHZ BANANA JACKS, RF, BNC FEMALE	
TEMP OPER/MIN-OPERATING 00210-----					
	10449101070	017	5255	-55C TO +75C STORAGE	
AMPLITUDE HITS-----					
		00400			
70		017	9070	COUNT HIT OR VARIA THAT EXCEED SEL DIFF OR THRESH LEVELS	
EVENT COUNTERS-----					
		21200			
70		017	9070	COUNT AMPL HITS, TEST TUNE ORDPOTS, & PHASE JITTER, 0 TO 900	
IMPEDANCE, INPUT/OUTPUT 14500-----					
70		017	9070	AUDIO 2, 600, 900 & HI-BRG BAL TO GND, HF 2.75 OHMS UNBAL	
	10449101070	017	5255	OUT/IN 2, AUDIO 600 AND 900 OHMS BAL W/F 75 OHMS UNBAL/GND	
PHASE HITS-----					
		51600			
70		017	9070	SELECTABLE LIMITS OF +/-5 TO +/-45 DEG PHASE JITTER	
PHASE JITTER-----					
		54000			
70		017	9070	MEAS PEAK TO PEAK PHASE JITTER FROM +/-3 TO +/-30 DEGREE	+/-5 PCT
	10449101070	017	5255	MEAS P/P PHASE JITTER FROM +/-3 TO +/-300 DEGREES	+/-5 PCT

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - PHASE JITTER METER

ACCURACY -PLT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
PHASE JITTER, FREQ RANGE 54010					
78		037	9078	AUDIO TEST TONE OF 1KHZ CHF TEST TONE, 10KHZ TO 10MHZ	±/-50HZ
	10049LR11078	037	5255	AUDIO TT 1KHZ ±/-50HZ, HIGH FREQ TT LEAST ONE IN 10KHZ R	
RECORDER OUTPUT 59400					
78		037	9078	PROVIDE ANALOG OUTPUT OF PHASE FOR CHART RECORDER	
TEST TONE INPUT LEVEL 76100					
78		037	9078	INPUT LEVEL RANGE -40DBM TO +100RM	
	10049LR11078	037	5255	INPUT LEVEL RANGE -300DBM TO +100RM	
TEST TONE OUTPUT LEVEL 76200					
78		037	9078	TEST TONE OUTPUT LEVEL -300DBM TO 00DBM	
	10049LR11078	037	5255	INDICATION OF OUTPUT LEVELS OF TT SHALL BE PROVIDED	
TEST TONE DROPOUTS 76300					
78		037	9078	COUNT TS DROPOUT THAT ARE 12DB OR MORE BELOW REC REF TS	
THRESHOLD 77000					
78		037	9078	ADJUSTABLE THRESHOLD LEVELS, ±/-1.2 C600 FROM REC REF TS	

06/10/80

ACCURACY - PCF -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELEVISION GENERATOR A

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
79		06A	9079	TELEVISION GENERATOR
FUNCTION 00101				
79		06A	9079	OUTPUT FREOS, RF, IF, FM, SWEEP, & MARKERS FOR VHF/UHF TV'S
CLASSIFICATION 00105				
79		06A	9079	TYPE II, CLASS 5, STYLE E, COLOR RAPER MIL-T-20800
DIMENSIONS IN MM/LBS 00110				
79		06A	9079	445MM(17.51IN)X337MM(13.31IN)X203MM(8.01IN)
WEIGHT IN KG/LBS 00120				
79		06A	9079	14KG/31LBS
ENCLOSURE (STYLE) 00130				
79		06A	9079	RACKMOUNT CAPABILITY
PWR SOURCE (EST) CONSUMPTION 00140				
79		06A	9079	TYPE II 50-60 & 400HZ 5-PHASE 115/210VAC/45 WATTS
MTBF 00150				
79		06A	9079	2500 HOURS
OUTPUT (AS STATED) 00160				
79		06A	9079	75 IHMS

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELEVISION GENERATOR C

06/10/80

ACCURACY - PCT -
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
80		068	9080	TELEVISION GENERATOR
FUNCTION 00101				
80		068	9080	OUTPUT FREQ'S RF, IF, SYNC OUTPUTS AT 300 OHMS, VIDEOT 75
CLASSIFICATION 00105				
80		068	9080	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
80		068	9080	343MM(13.5IN)X133MM(5.2IN)X203MM(8.0IN)D
WEIGHT IN KG/LBS 00120				
80		068	9080	3KG/6.5LBS
ENCLOSURE (STYLE) 00130				
80		068	9080	RACKMOUNT CAPABILITY
PMR SOURCES/CONSUMPTION 00140				
80		068	9080	TYPE II 50160HZ S-PHASE 115/230VAC/7 WATTS
MTBF 00150				
80		068	9080	2500 HOURS
GUN KILLER 28800				
80		068	9080	SELECTIVELY DISABLE RED, GREEN OR BLUE GUN GRID OF UUT

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - TELEVISION GENERATOR C

ACCURACY - PCT -
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER

TEST PATTERNS				76000

80		068	9080	PURITY, DOT, VERT & HORIZ LINES, CROSS HATCH, COLOR, CRAINBOW

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TRANSMISSION TEST SET

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
01		071	9001	TRANSMISSION TEST SET
	10010LR65001	071	5240	TRANSMISSION TEST SET
CLASSIFICATION 00105				
01		071	9001	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-20000
	10010LR65001	071	5240	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-20000
DIMENSIONS IN MM/INS 00110				
01		071	9001	403MM(19IN)HX229MM(9IN)HX356MM(14IN)D
	10010LR65001	071	5240	403MM(19IN)HX229MM(9IN)HX356MM(14IN)D
WEIGHT IN KG/LBS 00120				
01		071	9001	13.6KG(30LBS)
	10010LR65001	071	5240	13.6KG(30LBS)
ENCLOSURE STYLE 00130				
01		071	9001	STYLE E, W/RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION 00140				
01		071	9001	TYPE II 50.60 & 400HZ S-PHASE 115/230VAC/30W
	10010LR65001	071	5240	50.60 & 400HZ S-PHASE 115/230VAC
SECONDARY PWR SOURCE 00145				
01		071	9001	RECHARGEABLE BATTERY OPERATION

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TRANSMISSION TEST SET

SPEC NR	LR	FAM CODE	TO NR	PARAMETER	ACCURACY -PCT- OR AS STATED
MTAF		00150			
01		071	9081	3000 HOURS	
PEADOUT M THRODS		00160			
01		071	9081	METER READOUT, ANALOG OR DIGITAL, CALIB. 0-130DBM, -15-+5DBM	
	100101065081	071	5240	AC METER, IN ABSOLUTE VOLTS, DB/1MW AT 600KDB REF 1PW DBRM	
PRIMARY CONNECTIONS		00170			
01		071	9081	309,310 & 241 TYPE PLUGS W/PARALLEL BINDING POSTS	
TEMP OPER/NDM-OPERATING		00210			
	100101065081	071	5240	-55 TO 75 DEG C	
ATTENUATION		02800			
01		071	9081	110 DB RANGE IN 10 & 100 STEPS, +/-0.2 & -0.2008 RESPECTIVE	
	100101065081	071	5240	110 DB RANGE IN 10 & 100 STEPS, +/-0.2 & -0.2008 RESPECTIVE	
HARMONIC DISTORTION		10400			
01		071	9081	SEDSIDE HARMONIC DISTORTION, 4008 BELOW FUNDAMENTAL FREQ	
	100101065081	071	5240	4008 BELOW FUNDAMENTAL FREQ	
FREQ RANGE		26500			
01		071	9081	SEDSIDE, 5HZ TO 560KHZ, VARIABLE	+/-2 PCT
	100101065081	071	5240	5HZ TO 560KHZ	+/-2 PCT
FREQ OUTPUT LEVEL STABLE		04700			
01		071	9081	SEDSIDE OUTPUT LEVEL ATTEM CONTROLLED -40 TO +10DBM	

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - TRANSMISSION TEST SET

SPEC NR	LM	FAM COND	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
FREQ RESPONSE					
		24000			
01		071	9081	SHZ TO 560KHZ	+/-2 PCT
		071	5240	SHZ TO 560KHZ	+/-2 PCT
IMPEDANCE MATCHING					
		34000			
01		071	9081	75,135,150,600,900 OHMS W/HI-BRIDGING CAPABILITY	
		071	5240	75,135,150,600, & 900 OHMS AND HI-BRIDGING CAPABILITY	
INPUT LEVEL MEASUREMENT					
		36000			
01		071	9081	RECEIVE SIDE LEVEL,-95 TO +130DB	
		071	5240	-95DBM TO +52DBM IN 10 DBM STEPS	+/-0.0208
INPUT SIGNAL MEASUREMENTS					
		37000			
01		071	9081	INPUT & OUTPUT TERMINALS BALANCED W/RESPECT TO GROUND	
		071	5240	BALANCED W/RESPECT TO GND	
LONGITUDINAL BALANCE					
		40000			
01		071	9081	LONGITUDINAL BALANCE BETWEEN INPUT & OUTPUT,400B	
		071	5240	400B	
NOISE MEASUREMENTS					
		44000			
01		071	9081	-5 TO +830DBM	IN 15 RANGES
NOISE MEASUREMENT NETWORKS					
		44000			
01		071	9081	INTERNAL NOISE MEASUREMENT,30KHZ FLAT,C-HSG,15650KHZ FLAT	

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TRANSMISSION TEST SIT

SPEC NR	LR	FAM CIRCU	ID NR	PARAMETER
NOISE WEIGHTING NETWORKS 44300				
	100101065001	071	5240	300HZ FLAT,C-HSG,15KHZ FLAT E 500HZ
SPURIOUS RESPONSE 68000				
81		071	9081	6500 RELOW LEVEL OF FUNDAMENTAL FREQ
	100101065001	071	5240	6500 RELOW LEVEL OF FUNDAMENTAL FREQ
VOLTAGE INPUT 84000				
81		071	9081	AT LEAST 5VAC TO OPEN CKT,62.5VAC INTO 600 OHM LOAD
	100101065001	071	5240	AT LEAST 5VAC TO OPEN CKT,62.5VAC INTO 600 OHM LOAD

LR/SPECIFICATION ANALYSES

06/10/80

ACCURACY -PCI-
OR AS STATED

FAMILY NAME - TRANSMISSION TEST SET

SPEC NR	LP	FAM CODE	ID NR	PARAMETER

EQUIPMENT NAME 00100				

82		071	9082	TRANSMISSION TEST SET
	10461064082	071	5259	TRANSMISSION TEST SET

CLASSIFICATION 00105				

92		071	9082	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800
	10461064082	071	5259	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110				

82		071	9082	483MM(19IN)HX508MM(20IN)HX457MM(18IN)D
	10461064082	071	5259	483MM(19IN)HX508MM(20IN)HX457MM(18IN)D

WEIGHT IN KG/LBS 00120				

82		071	9082	18.1KG/40LBS
	10461064082	071	5259	18.1KG/40LBS

ENCLOSURE TEST SET 00130				

82		071	9082	RACKMOUNT CAPABILITY

PWR SUPPLY (V)/CONSUMPTION 00140				

82		071	9082	TYPE II 50,60 & 400HZ S-PHASE 115/230VAC/150 WATTS
	10461064082	071	5259	50,60 & 400HZ S-PHASE 115/230VAC

MTRF 00150				

82		071	9082	2000 HOURS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - TRANSMISSION TEST SET

ACCURACY - PCI-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	0-10M
		00160			
R2		071	9082	METER, W/LEVEL MEAS IN DB, REF AT 1MW, W/RESOLUTION OF:	
		00170			
R2		071	9082	INPUT/OUTPUT, DUAL BANANA JACKS OR WECO 310 PLUGS	
		00210			
		071	5259	/-55 TO 75 DEG C	
		10100			
R2		071	9082	MEAS NON-LINEAR DISTORT FROM +100RM TO -350RM	+/-10B
		071	5259	NON-LIN DISTORTION 0 TO 500B BELOW RECD SIGNAL	
		17400			
R2		071	9082	400B BELOW FUNDAMENTAL FREQ	
		20400			
R2		071	9082	CMT TEST TONE DROPOUT OF 4MSEC, OF 120B BELOW T/S LEVEL	
		071	5259	CMT T/S PROPOUTS MORE/4MSEC & BELOW 120B OF T/S LEVEL	
		22400			
R2		071	9082	DELAY RANGE, -1000 TO +6000US, PFL TO DELAY OF REF 1000HZ	
		071	5259	3K TO 6KUSEC DELAY AT 1000HZ, +/-10US 600-3900EAT 100-600H	+/-30USEC
		23400			
R2		071	9082	MEAS ENVELOPE DELAY OVER FREQ RANGE OF 200 TO 3900HZ	+/-10US

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - TRANSMISSION TEST SET

ACCURACY - PCT -
OR AS STATED

SPEC. NR	LR	FAM CMT	ID NR	PARAMETER	ACCURACY - PCT - OR AS STATED
ENVELOPE DELAY, FREQ RANGE 22430					
	104491064002	071	5259	MEAS ENVELOPE DELAY BTWN 200 TO 3900HZ	
FREQ RESPONSE 26200					
		071	9082	FREQ RESPONSE, 300 TO 3900HZ	
	104491064002	071	5259	300 TO 3900HZ	+/- .108
GAIN HITS, THRESHOLD LEVEL 28020					
		071	9082	CNT GAIN HITS ABOVE LIMITS OF +2 TO +60DB, FOR 4 MILLISEC	
	104491064002	071	5259	CNT GAIN HITS ABOVE THRESHOLD +/- 26608 FOR MORE/4MSEC	
IMPEDANCE, INPUT/OUTPUT 34500					
		071	9082	600000 OHM Z, W/A HIGH REG Z OF 50K OHMS	
IMPULSE NOISE 36000					
		071	9082	IMPULSE NOISE CNT READOUT OF SET THRESHOLD LEV UPTO 1999	
	104491064002	071	5259	NOISE CNT, ABOVE THRESHOLD LEV/46808, W/A DISPLAY-1999CNT	
INPUT BIT-RATE 37100					
		071	9082	INPUT LEVEL -4000M TO +1000M, +/- .10M AT 1KHZ	
	104491064002	071	5259	-40 TO +100M, +/- .20M AT 200 TO 3900HZ, +/- .10M AT 1KHZ	
LONGITUDINAL BALANCE 40900					
		071	9082	ATTEN INPUT & OUTPUT TERMINALS, 600M AT 4KHZ	
MODULATION 42950					
		071	1042	MOD FREQ 93 1/307	

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - TRANSMISSION TEST SET

ACCURACY - PCT-
OR AS STATED

SPEC NR LR FAM CIRCUIT ID NR

PARAMETER

MODULATION FREQ 47550

MOD FREQ 83 173HZ

NOISE MEASUREMENTS WEIGHT 44910

2000RM TO 9000RM

MEAS NOISE 20 TO 9000RM, W/C MSG, 3KHZ WEIGH-FIL W/DUT 1004

PHASE HITS 57600

CNT PHASE HITS ABOVE SET LIMITS, 101045DEG, 50DEG INCR, 4MS

CNT PHASE HITS BTWN 10 TO 45DEG IN 5DEG INCR/GTR 4MSEC

PHASE JITTER 54000

MEAS P/P PHASE JITTER OVER FREQ 990101030HZ, 20-3000HZ B/W

MEAS P/P PHASE JITTER AT 990101030HZ, BANDWIDTH 20-3000HZ

PHASE JITTER RANGE 54010

MEAS PHASE JITTER UP TO 25 DEGREES P/P, +/- .2 DEGREES

PHASE JITTER RANGE, .25 DEG P/P

SWEEP MIN 77400

MANUAL, AUTOMATIC, SINGLE & 100HZ STEPS MODES

TRANSMIT FREQ 90000

TRANSMIT FREQ RANGE, 200HZ TO 3900HZ

200HZ TO 3900HZ

06/18/80

FAMILY NAME - TRANSMISSION TEST SET

ACCURACY -PCI-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER

		90400		TRANSMIT HOLDING TONE
02		071	9082	TRANSMIT HOLDING TONE OF 1004H7
	100491640H7	071	5259	1004H7

TRANSMIT HOLDING TIME, LFV 00420		
02	071	9082
		ADJUSTABLE FROM -3508M TO 008M
	170440121440H	5259
		-35 TO 008M, IN 108 INCREMENTS

7EP0-NIAS DRAIN CURRENT R	99600				
92	071	9082	MEAS 5.10 MIN OR CONTINUOUS FUR IMPULSE NOISE,PHASEDROP		
	071	5259	MEAS 5.10 MINCONT FOR IMPULSE NOISE/PHASE/GAINEDROP CNT		

06/18/80

ACCURACY -PLY-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VECTOR IMPEDANCE METER A

SPEC NR	LP	FAM CODE	ID NR	PARAMETER
		00100		
		071	9083	VECTOR IMPEDANCE METER
		00105		
		071	9083	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800
		00110		
		071	9083	532MM(21.7IN)X178MM(7IN)HX470MM(18.5IN)D
		00120		
		071	9083	11KG/24LBS
		00130		
		071	9083	RACKMOUNT CAPABILITY
		00140		
		071	9083	TYPE II 50,60 & 400HZ S-PHASE 115/230VAC/40 WATTS
		00150		
		071	9083	3600 HOURS
		00170		
		071	9083	INPUT, FEMALE DUAL BANANA JACKS
		00400		
		071	9083	MEAS RANGE, FROM .1PF TO 10,000UF

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - VECTOR IMPEDANCE METER A

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
FREQ RANGE					
83		071	9083	5HZ TO 500KHZ.	+/-2 PCT
IMPEDANCE - INPUT					
83		071	9083	EXTEND FROM 1 OHM TO 10 MEGOHMS	+/-7 PCT
INDUCTANCE					
83		071	9083	MEAS RANGE, FROM 1UH TO 100,000UH	+/-6 DEG
PHASE ANGLE MEASUREMENT					
93		073	9083	MEAS RANGE, -90 TO +90 DEGREES	

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VECTOR IMPEDANCE METER B

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
04		071	0084	VECTOR IMPEDANCE METER
	194501867084	071	5268	VECTOR IMPEDANCE METER
CLASSIFICATION 00105				
04		071	0084	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	194501867084	071	5268	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
04		071	0084	457MM(18IN)HX216MM(8IN)HX483MM(19IN)D
	194501867084	071	5268	457.2MM(18IN)HX215.9MM(8IN)HX482.6MM(19IN)D
WEIGHT IN KG/LBS 00120				
04		071	0084	18.1KG/40LBS
	194501867084	071	5268	18.14KG/40LBS
ENCLOSURE STYLE 00130				
04		071	0084	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION 00140				
04		071	0084	TYPE II 50,60 & 400HZ 5-PHASE 115/230VAC/50 WATTS
	194501867084	071	5268	50,60 & 400HZ 5-PHASE 115/230VAC/50W
MTRF 00150				
04		071	0084	1600 HOURS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - VECTOR IMPEDANCE METER R

ACCURACY -PCT-
OR AS STATED

PARAMETER

SPEC NR LR FAW CDDF ID NR

MTBF 00150

3600 HOURS

TEMP OPER/NOM-OPERATING 00210

/-55 TO 70 DEG C

FREQ RANGE 24500

500KHZ TO 100MHZ
500KHZ TO 100MHZ

+/-2 PCT
+/-2 PCT

IMPEDANCE - INPUT 34400

EXTEND FROM 1 OHM TO 100K OHMS
10 TO 100KOHMS

+/-5 PCT
+/-5 PCT

PHASE ANGLE MEASUREMENT 52000

PHASE ANGLE RANGE, 0 TO 360 DEGREES
0 TO 360 DEGREES

+/-2 DEG

IN 2 BANDS

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VECTOR VOLTMETER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER

EQUIPMENT NAME 00100

05		074	9085	VECTOR VOLTMETER
	19810LR74985	074	5242	VECTOR VOLTMETER

CLASSIFICATION 00105

05		074	9085	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	19810LR74985	074	5242	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

05		074	9085	432MM(17IN)X170MM(7IN)X403MM(19IN)D
	19810LR74985	074	5242	431.8MM(17IN)X177.8MM(7IN)X402.6MM(19IN)D

WEIGHT IN KG/LBS 00120

05		074	9085	18.1KG/40LBS
	19810LR74985	074	5242	18.14KG/40LBS

ENCLOSURE (STYLE) 00130

05		074	9085	RACKMOUNT CAPABILITY

PWR SUPPLY (S)/CONSUMPTION 00140

05		074	9085	TYPE II 50.60 $\pm$ 400HZ S-PHASE 115/230VAC/35 WATTS
	19810LR74985	074	5242	50.60 $\pm$ 400HZ S-PHASE 115/230VAC

MTBF 00140

05		074	9085	5000 HOURS

LR/SPECIFICATION ANALYSES

06/18/80

ACCURACY -PCT-
OR AS STATED

FAMILY NAME - VILCIR VOLTMETER

SPEC NR	LO	FAM CODE	ID NR	PARAMETER

TEMP OPER/MON-OPERATING 00210

10H10LP740HS	074	5242	7-55 TO 75 DEG C

CHANNEL ISOLATION 10000

AS	074	9085	ISOLATION BETWEEN CHANNELS, 7000 OR GREATER
10H10LP740HS	074	5242	ISOLATION, 2000

FREQ RANGE 26500

AS	074	9085	1.5MHZ TO 1GHZ
10H10LP740HS	074	5242	1.5MHZ TO 1.5MHZ

IF OUTPUT 11200

AS	074	9085	IF FREQ, 20KHZ
10H10LP740HS	074	5242	20KHZ

IF BANDWIDTH 11210

AS	074	9085	IF FREQ, BANDWIDTH, 1KHZ
10H10LP740HS	074	5242	+/-1KHZ ABOUT CENTER FREQ

INPUT LEVEL MEASUREMENT 16000

AS	074	9085	MEAS RANGE, -70000 TO +10000, REF 10W ACROSS 50 OHMS
10H10LP740HS	074	5242	-70000 TO +10000, 10V/600 OHMS

INPUT VOLTAGE RANGE 17000

AS	074	9085	0 TO 2VAC PEAK

+/-0.3 DB
+/-0.308

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - VECTOR VOLTMETER

ACCURACY -PLT-
OR AS STATED

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
INPUT VOLTAGE RANGE					
	10410L074005	074	5242	2VAC PEAK	
PHASE MEASUREMENT					
	10410L074005	074	9005	PHASE MEAS RANGE, -180 TO +180 DEGREES, IN 180,60,180,60 DEG	+/-1.5 DEG
	10410L074005	074	5242	-180 TO +180 DEGREES, W/4 PHASE ANGLES, 180,60,180,60 DEG	+/-1.5 DEG

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOICE BAND ANALYZER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
				VOICE BAND ANALYZER
		00100		
86		075	9086	
		00105		
86		075	9086	TYPE II, CLASS 5, STYLE E, COLOR PAPER MIL-I-28800
		00110		
85		075	9086	432MM(17IN)HX279MM(11IN)HX483MM(19IN)D
		00120		
86		075	9086	12.7KG/28LBS
		00130		
86		075	9086	RACKMOUNT CAPABILITY
		00140		
86		075	9086	TYPE II 50+60 & 400HZ 5-PHASE UL5/230VAC/35 WATTS
		00145		
86		075	9086	RECHARGEABLE BATTERIES, OPER TIME, 8 HOURS
		00150		
86		075	9086	2000 HOURS
		00160		
86		075	9086	DISPLAY MEASUREMENT IN RMS VOLTS, DB & FREQ

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - VOICE HAND ANALYZER

ACCURACY -PCI-
OR AS STATED

SPEC NR	LO	FAM CODE	ID NR	PARAMETER	
PRIMARY CONNECTORS					
		00170			
86		075	9086	INPUT DUAL FEMALE BANANA JACK	
AUTO FREQ CNTRL					
		06000			
86		075	9086	AFC CONTROL +/-500HZ ABOUT CENTER FREQ	
BANDWIDTH					
		05200			
86		075	9086	4 SELECTABLE BANDWIDTHS, 10HZ, 30HZ, 100HZ & 300HZ	
DYNAMIC RANGE					
		22000			
86		075	9086	80DB OR GREATER	
FREQ RANGE					
		26500			
86		075	9086	15HZ TO 50KHZ	+/-3HZ
IMPEDANCE INPUT					
		14400			
86		075	9086	INPUT Z, 1 MEGOHM SHUNTED BY 30PF CAPACITANCE	
INPUT LEVEL MEASUREMENT					
		14400			
86		075	9086	MEAS RANGE, -140DBM TO +30DBM, REF 1MU/600 OHMS LONGTERM	+/-5 PCI
SPONTANEOUS RESPONSE					
		64400			
86		075	9086	80DB BELOW INPUT SIG LEVEL	
SWEEP WIDTH					
		73600			
86		075	9086	5 SCAN WIDTHS RANGING FROM 50HZ TO 50KHZ	

LR/SPECIFICATION ANALYSES

FAMILY NAME - AUDIO INTENSITY METER

06/18/80

ACCURACY -PCT-
OR AS STATED

SPEC NR LP FAM CODE ID NR

PARAMETER

EQUIPMENT NAME 00100

07 004 9087 AUDIO INTENSITY METER

CLASSIFICATION 00105

07 004 9087 TYPE II, CLASS S, STYLE E, COLOR R, PFR MIL-T-20800

DIMENSIONS IN MM/INS 00110

07 004 9087 170MM(7IN)X254MM(10IN)X102MM(4IN)

WEIGHT IN KG/LBS 00120

07 004 9087 3.6KG/8LBS

ENCLOSURE (STYLE) 00130

07 004 9087 RACKMOUNT CAPABILITY

POWER SOURCE (S)/CONSUMPTION 00140

07 004 9087 TYPE II 50-60 & 400HZ S-PHASE 115/230VAC/10 WATTS

SECONDARY PWR SOURCE 00145

07 004 9087 RECHARGEABLE BATTERY, OPER TIME, 15 HOURS

MTBF 00150

07 004 9087 2000 HOURS

PRFO MEASUREMENTS 00160

07 004 9087 20HZ TO 20KHZ, W/VARIATION LESS THAN

0/-100

LR/SPECIFICATION ANALYSES

06/18/80

ACCURACY -PCT-
OR AS STATED

FAMILY NAME - AUDIO INTENSITY METER

SPEC NR	LR	FAM COND	ID NR	PARAMETER	06/18/80
INPUT LEVEL MEASUREMENT 36000					
07		004	9087	IND NOISE LEV OF 40-14008 ABOVE REF LEV 200NETON/50 CENT	
NOISE WEIGHTING NETWORKS 46100					
07		004	9087	A REC NOISE WEIGHTED MEAS 1AM ANSI STD SL-4-1971	0/-108

06/16/80

ACCURACY - PCT -
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - CABLE TEST SET (TOR)

SPEC
NR LO FAM
CNR NR

PARAMETER

EQUIPMENT NAME 00100

9088	9088	9088	CABLE TEST SET (TOR)
5227	5227	5227	CABLE TEST SET

CLASSIFICATION 00105

9088	9088	9088	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
5227	5227	5227	TYPE III, CLASS 5, COLOR R, STYLE PER MIL-T-28800

DIMENSIONS IN MM/INS 00110

9088	9088	9088	305MM(12IN)X330MM(13IN)X450MM(18IN)D
5227	5227	5227	180MM(7IN)X330MM(13IN)X450MM(17.7IN)D

WEIGHT IN KG/LBS 00120

9088	9088	9088	9KG(19.8LBS)
5227	5227	5227	9KG(19.8LBS)

ENCLOSURE (STYLE) 00130

STYLE E, W/RACKMOUNT CAPABILITY

PWR SOURCE(S)/CONSUMPTION 00140

9088	9088	9088	TYPE II, 50, 60, 400HZ 5-PHASE 115/230VAC/40 WATTS
5227	5227	5227	50, 60 & 400HZ 5-PHASE 115/230VAC

SECONDARY PWR SOURCE 00145

OPERATE W/RECHARGEABLE BATTERIES, 5 HOURS CONTINUOUSLY

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - CARLF TEST SET (TOR)

ACCURACY -PCI-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
MTBF-----					
		00150			
98		009	9088	1500 HOURS	
	1001001000	009	5227	1500 HOURS	
REANNUIT M-TIMES)-----					
		00160			
88		009	9088	CRT TO DISPLAY PULSE REFLECTIONS OF CABLE UNDER TEST	
	1001010100	009	5227	CRT-HORIZ AXIS IN UNITS/VERT AXIS TO SIG AMPL+.5 TO-1500	+/--.01 DB
PRIMARY CONNECTORS-----					
		00170			
88		009	9088	INPUT/OUTPUT CONNECTORS,FEMALE-BMC	
TEMP OPER/MOM-OPERATING-----					
		00210			
	1001010100	009	5227	1-55 TO 75 DEG C	
AMPLITUDE MEASUREMENT-----					
		00500			
88		009	9088	REFLECTED AMPLITUDE,-700RM TO 00RM	+/--.108
	1001010100	009	5227	REFLECTED AMPLITUDE,OVER 6000 IN 1000 STEPS	+/--.3 PCI
CABLE MEASUREMENT-----					
		00100			
88		009	9088	DISPLAY CABLE FAULT CHARACTERISTICS FROM 10 TO 50,000 FT	+/--.3 PCI
	1001010100	009	5227	0 TO 50,000 FT	+/--.3 PCI
FEET/DIV C-MPL-----					
		00200			
88		009	9088	SELECTABLE .5 TO 50FT/DIV W/X1,X10 &X100 MULTIPLIERS	+/--.2 PCI
	1001010100	009	5227	SELECTABLE .5FT/DIV TO 50FT/DIV BY 10:100 HORIZ SCALFS	

LR/SPECIFICATION ANALYSES

FAMILY NAME - CARLE TEST SET (TOM)

06/18/80

SPEC NR	LC	FAM CODE	ID NR	PARAMETER	ACCURACY -PCT- OR AS STATED
DIELECTRIC SCALES					
		17600			
00		000	9080	VARIABLE SCALE CALIBRATED TO READ .31 TO 1 FOR (VP/VAIR)	
	10410101000	000	5227	FIXED SCALES .666, 0.1VP/VAIR, 1 VAR FROM .35 TO 1 VP/VAIR	+/-3 PCT
IMPEDANCE, INPUT/OUTPUT					
		14500			
00		000	9080	SELECTABLE AT 50,75,93 & 125 OHMS	+/-3 PCT
	10410101000	000	5227	50,75,93 & 125 OHMS RESISTIVE	+/-1 PCT
RECORDER OUTPUT					
		54500			
	10410101000	000	5227	HARD COPY OUTPUT FOR PERMANENT RECORD	
TEST PULSE CHIR					
		76500			
00		000	9080	1/2 SINE POSITIVE GOING, VARIABLE FROM 10 TO 1000000SEC	
	10410101000	000	5227	SELECTABLE, 10NSEC TO 10SEC	
TEST PULSE AMPLITUDE					
		76500			
00		000	9080	MAXIMUM, 10V UNTERMINATED, 5V TERMINATED	
	10410101000	000	5227	25V MAXIMUM	

ACCURACY -PCI-
OR AS STATED

ULR/SPECIFICATION ANALYSES

FAMILY NAME - GAUSS METER

SPEC NR	LP	FAM CDR	ID NR	PARAMETER	ACCURACY - PCT - OR AS STATED
		00100			
89		021	9089	GAUSS METER	
		00105			
99		021	9089	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800	
		00110			
89		021	9089	483MM(19IN)HX254MM(10IN)HX356MM(14IN)D	
		00120			
89		021	9089	9KG/20LBS	
		00130			
89		021	9089	RACKMOUNT CAPABILITY	
		00140			
89		021	9089	TYPE II 50,60 & 400HZ S-PHASE 115/230VAC/40 WATTS	
		00150			
89		021	9089	10,000 HOURS	
		26509			
89		021	9089	MFAS MAGNETIC FIELDS, AVE FLUX OF AC FIELD FROM 20-400HZ	
		44909			
89		021	9089	MFAS ABSOLUTE FLUX DENSITY, 100MG/ GAUSS	97-1 PCT

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - GAUSS METER

ACCURACY -PCI-
OR AS STATED

SPEC ID
MR LR MR

REORDER OUTPUT 58400

PROVIDE DC OUTPUT FOR STRIP CHART RECORDER

SELF-CHECK CAPABILITY 62400

SELF CHECK TO VERIFY CALIB OF METER TO KNOWN REF ACCURAC

06/18/80

ACCURACY -PCI-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OPTICAL TEST SET

SPEC ID
NR MR

PARAMETER

EQUIPMENT NAME 00100

90 119 9090 OPTICAL TEST SET

CLASSIFICATION 00105

90 119 9090 TYPE II, CLASS 5, STYLE E, COLOR R, PFR MIL-T-28800

DIMENSIONS IN MM/INS 00110

90 119 9090 76MM(4IN)WX203MM(8IN)HX102MM(4IN)D

WEIGHT IN KG/LBS 00120

90 119 9090 .9KG/2LBS

ENCLOSURE (STYLE) 00130

90 119 9090 RACKMOUNT CAPABILITY

PWR SOURCE(S)/CONSUMPTION 00140

90 119 9090 SELF CONTAINED DISPOSABLE BATTERIES, OPER TIME 500 HRS

MTBF 00150

90 119 9090 5000 HOURS

ANGULAR LIGHT CORRECTION 21200

90 119 9090 COMPENSATE FOR LIGHT REC'D AT ANGLE TO EQUIPMENT

ILLUMINATION MEASUREMENT 11600

90 119 9090 ILLUM LVLS MEAS FROM 0 TO 1200 FT CANDLES 7 RANGES

*/-8 PCI

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - OPTICAL TEST SET

SPEC
NR

L9

FAM
COND

ID
NR

PARAMETER

VISUAL RESPONSE CORRECTION 81400

90

119

9090

CORRECT LIGHT LEV TO COLOR TEMP RESPONSE OF HUMAN EYE

ACCURACY -PCF-
OR AS STATED

06/18/80

ACCURACY - PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOGRAPHIC RECORDER A

SPEC NR	LP	FAM CODE	ID NR	PARAMETER	
EQUIPMENT NAME-----00100					
91		036	9091	OSCILLOGRAPHIC RECORDER	
	198261023091	036	5212	OSCILLOGRAPHIC RECORDER	
CLASSIFICATION-----00105					
91		036	9091	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800	
	198261023091	036	5212	TYPE III, CLASS S, COLOR R, STYLE E, PER MIL-T-28800	
DIMENSIONS IN MM/INS-----00110					
91		036	9091	483MM(19IN)WX356MM(14IN)HX438MM(17.3IN)D	
	198261023091	036	5212	483MM(19IN)WX356MM(14IN)HX438MM	
WEIGHT IN KG/LBS-----00120					
91		036	9091	27.2KG(60LBS)	
	198261023091	036	5212	27.2KG(60LBS)	
ENCLOSURE (STYLES)-----00130					
91		036	9091	RACKMOUNT CAPABILITY	
PWR SOURCE(S)/CONSUMPTION 00140					
91		036	9091	TYPE II 50-60 & 400HZ S-PHASE 115/230VAC/250 WATTS	
	198261023091	036	5212	50HZ, 60HZ, 400HZ S-PHASE 115/230VAC	
MTRF-----00150					
91		036	9091	2000 HOURS	

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLIGRAPHIC RECORD A

06/18/80

ACCURACY -PCT-
OR AS STATED

SPEC	LR	FAM	ID	PARAMETER
NR		CODI	NR	

TEMP OPERATING RATING 00210

19901421491 076 5212 -55C TO +75C STORAGE

CHANNEL INPUT

10200

1	014	0091	CHANNEL INPUT CKT BALANCED TO GND
1			
2			
3			
4			
5			
6			
7			
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CHART PAPER CAPACITY

	30 METERS	30 METERS (MIN)
036	7091	
170201821041		5212
036		

06/18/80

**ACCURACY -PCI-
OR AS STATED**

SPEC	FAM	ID
MR	CODE	MR
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99		
100		

INPUT VOLTAGES RANGS 37,00

RECORD 0 TO 250V AT 1MV/DIV TO 5V/DIV IN 8 STEPS

44-2 PCY

NUM OF REC'D CHANNELS	47600
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
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97	1
98	1
99	1
100	1

01	016	0091	CONTAIN 2 ANALOG CHANNELS W/AT LEAST 1 EVENT MARKER
01	016	0091	CONTAIN 2 ANALOG CHANNELS W/AT LEAST 1 EVENT MARKER

128701073001	076	5212	CONTAIN 2 ANALOG CHANNELS W/AT LEAST 1 EVENT MARKER

CHANNEL 50 AM 47650

91	076	9091	RCDING SPACE 40T060MM,EVENT MKR SPACE,5T020 X WID/TRACE

NOVEMBER POSITION, CURRF 49420

91	076	9091	OVERLOAD PROTECTION FROM OFF-SCALE INPUT VOLTAGES

CLR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOGRAPHIC REORDER B

ACCURACY -PCI-
OR AS STATED

SPC NR	IP	EQUIPMENT NAME	EAM CONF	ID NR	PARAMETER
92		OSCILLOGRAPHIC RECORDER	00100	9092	
92		CLASSIFICATION	00105	9092	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
92		DIMENSIONS IN MM/INS	00110	9092	483MM(19IN)X559MM(22IN)X381MM(15IN)D
92		WEIGHT IN KG/LBS	00120	9092	55KG/121.3LBS
92		ENCLOSURE (STYLE)	00130	9092	RACKMOUNT CAPABILITY
92		POWER SOURCE (V)/CONSUMPTION	00140	9092	TYPE II 50+60 & 400HZ 5-PHASE 115/230VAC/1300+ WATTS
92		TIME	00150	9092	2000 HOURS
92		CHANNEL INPUT	10200	9092	CHANNEL INPUT CKT BALANCED TO GND
92		CHARACTER CAPACITY	10300	9092	60 METERS

AD-A087 350

ARINC RESEARCH CORP ANNAPOLIS MD
TMDE MODERNIZATION PROGRAM. VOLUME II. APPENDIX E (U)
JUN 80 A SIMMONS, R KAVANAUGH, B PAIZ

F/G 5/1

DAAB07-78-A-6606

UNCLASSIFIED

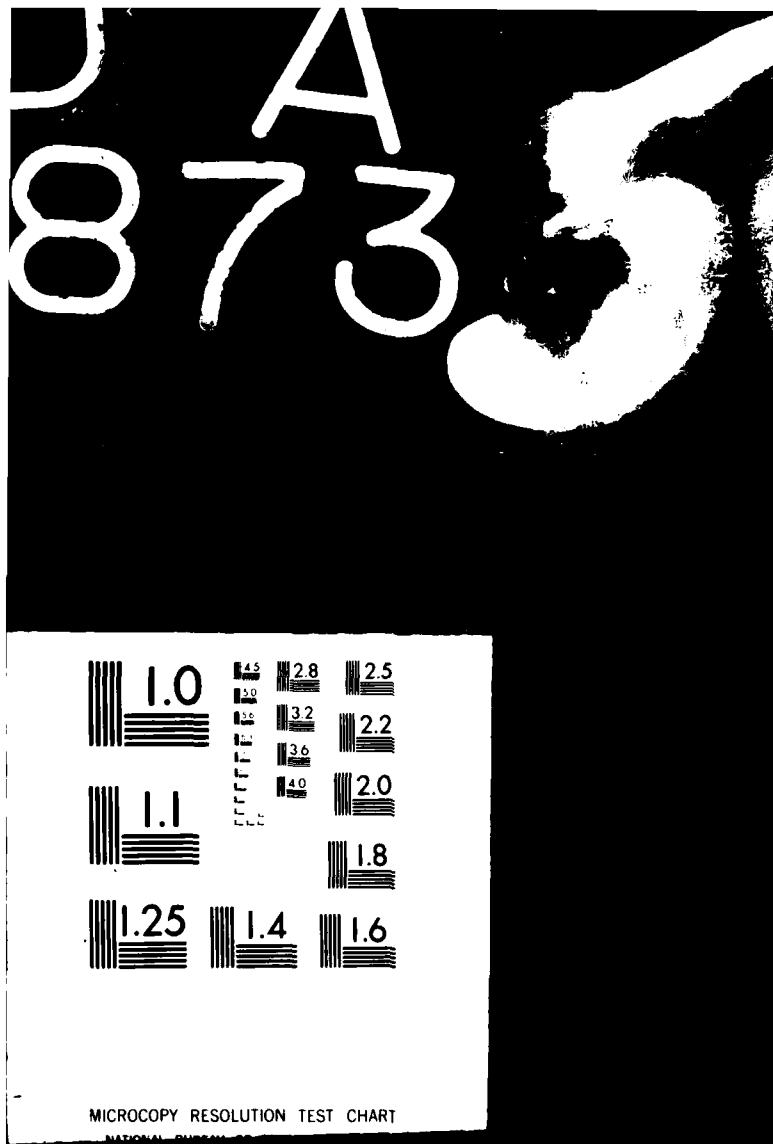
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4 of 4
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END
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06/18/80

ACCURACY -PET-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - OSCILLOGRAPHIC RECORDER R

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
CHART PAPER TAKE-UP METHOD 10800				
92		016	9092	PROVIDE FOR CHART PAPER TAKE-UP AS IT IS USED
CHART SPEEDS				
92		036	9092	CHART SPEED 1MM/SEC TO 100MM/MIN IN 8 STEPS
FREQ RESPONSE				
92		036	9092	DC TO 30HZ
IMPEDANCE INPUT				
92		036	9092	INPUT 2-500K OHMS
INPUT VOLTAGE RANGE				
92		036	9092	RECORD 0 TO 250V, AT 1UV/DIV TO 5V/DIV IN 8 STEPS
NUM OF RECORDER CHANNELS				
92		036	9092	CONTAIN 8 ANALOG CHANNELS, W/AT LEAST 2 EVENT MARKERS
CHANNEL SPAN				
92		036	9092	RECORDING SPACE 40TO60MM, EVENT MKR SPACE, 5TO20 X WID/TRACE
OVERLOAD PROTECTION, CUPPT				
92		036	9092	OVERLOAD PROTECTION FROM OFF-SCALE INPUT VOLTAGES

4/-108

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - O METER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CONF	ID NR	PARAMETER
EQUIPMENT NAME-----				
93		042	9093	O-METER
CLASSIFICATION-----				
93		042	9093	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-20000
DIMENSIONS IN MM/INS-----				
93		042	9093	403MM(16IN)X356MM(14IN)X457MM(18IN)D
WEIGHT IN KG/LBS-----				
93		042	9093	15KG/33LBS
ENCLOSURE (STYLE)-----				
93		042	9093	RACKMOUNT CAPABILITY
PWR SOURCE(S)/CONSUMPTION-----				
93		042	9093	TYPE II 50-60 & 400HZ S-PHASE 115/230VAC/25 WATTS
MTBF-----				
93		042	9093	4000 HOURS
PRIMARY CONNECTORS-----				
93		042	9093	INPUT/OUTPUT BANANA JACKS
FREQ RANGE-----				
93		042	9093	50MHZ TO 75MHZ

4/-2 PCI

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - Q METER

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	ACCURACY -PCI- OR AS STATED
MEASUREMENTS					
93		042	9093	0 RANGE MEAS. 10 TO 1000	±/-20 PCI
RESONATING CAPACITOR					
93		042	9093	CAPACITOR ADJUSTABLE BETWEEN 3PF TO 400PF	±/-1PF

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - SEMI-CONDUCTOR TEST SET

SPEC NO	LR	FAM CODE	ID NO	PARAMETER
EQUIPMENT NAME----- 90100				
94		045	9094	SEMICONDUCTOR TEST SET
	17020L063094	045	5226	TEST SET, SEMICONDUCTOR
CLASSIFICATION----- 00105				
94		045	9094	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28000
	17020L263094	045	5226	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28000
DIMENSIONS IN MM/INS----- 00110				
94		045	9094	301MM151MM19X203MM101MM18X203MM101MM18
	17020L043094	045	5226	301MM151MM19X203MM101MM18X203MM101MM18
WEIGHT IN KG/LBS----- 00120				
94		045	9094	3KG/6.6LBS
	17020L063094	045	5226	3KG(6.6LBS) MAX
ENCLOSURE (STYLE)----- 00130				
	17020L063094	045	5226	STYLE E
PWR SUPPLY (VOLTAGE)----- 00140				
94		045	9094	TYPE II 50-60 & 400HZ S-PHASE 115/230VAC/25 WATTS
	17020L063094	045	5226	50HZ-60HZ-400HZ S-PHASE 115/230VAC
TEMP----- 00150				
94		045	9094	4500 MIN/PS

06/10/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - SEMI-CONDUCTOR TEST SET

ACCURACY -PCT-
OR AS STATED

SPEC NR	LO	FAM CODE	ID NR	PARAMETER	IN 4 RANGES	+/ -5 PCT
TESTLEAD/IN PROBES -----						
94		045	9094	FLEXIBLE TEST LEADS		
TEMP OPER/NDN-OPERATING -----						
	198704043094	045	9224	-55C TO +75C STORAGE		
BETA MEASUREMENT RANGE -----						
94		045	9094	AC BETA RANGE, 1 TO 1000		+/ -5 PCT
IN-CIRCUIT TEST PARAMETER RANGE -----						
94		045	9094	IN-CRT TEST OF FIELD EFFECT & BI-POLAR TRANSISTORS		
	198704043094	045	9226	IN-CRT TEST OF FIELD EFFECT & BI-POLAR TRANSISTORS		
OVERLOAD CLAMP -----						
94		045	9094	OUT-CRT TEST, TRANS BETA, CM OF FET, ZERO BIAS DRAIN OF FET		+/ -5 PCT
	198704043094	045	9226	1 - 1000(BETA) IN 4 RANGE		
TRANSCONDUCTANCE -----						
94		045	9094	FET TRANSCONDUCTANCE (G _m), 0 TO .5 TO 100 MILLISIEMENS		
	198704043094	045	9226	FET TRANSCONDUCTANCE: 0.5 TO 100MHMS		+/ -5 PCT
ZERO-BIAS DRAIN CURRENT RANGE -----						
94		045	9094	ZERO BIAS DRAIN(I _{DSS}), SVA TO 5MA		+/ -5 PCT
	198704043094	045	9226	ZERO-BIAS DRAIN: FROM SVA TO 5MA		+/ -5 PCT

LR/SPECIFICATION ANALYSES

FAMILY NAME - STROBOSCOPE

06/18/80

ACCURACY - PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
95		065	9095	STROBOSCOPE
	179501R58095	065	5267	STROBOSCOPE
CLASSIFICATION 00105				
TOLERANCES 065 5267				
DIMENSIONS IN MM/IN 00110				
95		065	9095	305MM(12IN)X203MM(8IN)X381MM(15IN)D
	179501R58095	065	5267	305MM(12IN)X203MM(8IN)X381MM(15IN)D
WEIGHT IN KG/LBS 00120				
95		065	9095	5.44KG(12LBS)
	179501R58095	065	5267	9KG(20LBS)
PWR SOURCE (S)/CONSUMPTION 00140				
95		065	9095	TYPE II 50-60.400HZ SINGLE PHASE 115/230VAC/30W
	179501R58095	065	5267	50-60 & 400HZ 5-PHASE 115/230VAC
MTBF 00150				
95		065	9095	MLT 2000 HRS
PRIMARY CUMUL CTRS 00170				
95		065	9095	TIP-RING SLEEVE AUDIO PLUG
ENVIRONMENTAL CONDITIONS 00200				
95		065	9095	MIL-T-28800 TYPE II CLASS 5 STYL E COLOR K

06/18/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - STEROSCOPIC

SPEC NR	LR	FAN CODE	ID NR	PARAMETER	
TEMP OPER/MON-OPERATING 00210					
95		065	9095	0 TO 50C/-55 TO 75C	
	19950150095	065	5267	/-55 TO 75 DEG C	
RELATIVE HUMIDITY 00220					
95		065	9095	95+5-01	
ALTITUDE OPER/MON-OPER 00230					
95		065	9095	3050M(10000FT)/12000M(40000FT)	
VIBRATION LIMIT (MAXIMUM) 00240					
95		065	9095	2G	
SHOCK, PULSE LEVEL 00250					
95		065	9095	30G	
FLASH CHARACTERISTICS 74400					
95		065	9095	60 TO 150,000 FLASHES PER MINUTE IN 4 RANGES	+/-1 PCT
	19950150095	065	5267	110 TO 25,000 FLASHES PER MINUTE	+/-1 PCT
LIGHT INTENSITY 19600					
95		065	9095	.5X10 CANDELAS	
	19950150095	065	5267	.5X10DEGREES CANDELAS MEAS 1 METER FROM LAMP	
SYNCHRONIZATION INPUT 74000					
95		065	9095	EXTERNAL SOURCE SYNC CAPABILITY	

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - STEREOSCOPE

ACCURACY - PCI-
OR AS STATED

SPEC NR	LO	FAM CODE	ID NR	PARAMETER	EXT SOURCE SYNC CAPABILITY
SYNCHRONIZATION INPUT ----- 74000					
13454	044045	065	5267		

06/10/80

ACCURACY -PCT-
OR AS STATED

LR/SPECIFICATION ANALYSES

FAMILY NAME - TEMPERATURE INDICATOR

SPEC NR	LR	EQ CMT	ID NR

EQUIPMENT NAME 00100

96		070	9096	TEMPERATURE INDICATOR
	114101061096	070	5239	TEMPERATURE INDICATOR

CLASSIFICATION 00105

96		070	9096	TYPE II, CLASS 5, STYLE 6, COLOR R, PER MIL-T-28600
	114101061096	070	5239	TYPE III, CLASS 5, COLOR R, STYLE 6, PER MIL-T-28600

DIMENSIONS IN MM/INS 00110

96		070	9096	229MM(9IN)X127MM(5IN)X203MM(8IN)D
	114101061096	070	5239	220.6(9IN)X127MM(5IN)X203.2MM(8IN)D

WEIGHT IN KG/LBS 00120

96		070	9096	1KG/2.2LBS
	114101061096	070	5239	1KG/2.2LBS

PWR SOURCE(S)/CONSUMPTION 00140

96		070	9096	NOM-RECHARGEABLE BATTERIES, OPER TIME, 24 HOURS
	114101061096	070	5239	NOM/DR RECHARGEABLE BATTERIES, 24CONT. HRS/8HRS

MTBF 00150

	114101061096	070	5239	4500 HOURS

TEST LOADS/PRUNES 00170

96		070	9096	TEST PRUNES

LR/SPECIFICATION ANALYSES

06/10/80

FAMILY NAME - TEMPERATURE INDICATOR

ACCURACY -PCT -
OR AS STATED

SPEC NR LR FAN ID CNDY NW

TEMP OPER/MON-OPERATING 00210

1001010000 070 5239 7-55 TO 75 DEG C

TEMPERATURE RANGE 75210

9% 070 9096

IN 5 RANGES

±/-1 PCT

1001010000 070 5239

IN 2-5 RANGES

±/-1 PCT

TEMPERATURE, PROBE TIME CO 75230

9% 070 9096

REACH 63.2PCT OF TEMP WITHIN 10 SEC & STABLE IN 60 SEC

1001010000 070 5239

REACH 63.2PCT OF TEMP MEASURED WITHIN 10SEC STABLE BY 60

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - VIBRATION TEST SET

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	TYPE II, CLASS S, STYLE E, COLOR R, PER MIL-T-28800
97		00100	9097	VIBRATION TEST SET	
97		00105	9097		
97		00110	9097		
97		00110	9097		
97		00120	9097		
97		00130	9097		
97		00140	9097		
97		00150	9097		
97		00160	9097		
97		00170	9097		
97		00180	9097		
97		00190	9097		
97		00200	9097		
97		00210	9097		
97		00220	9097		
97		00230	9097		
97		00240	9097		
97		00250	9097		
97		00260	9097		
97		00270	9097		
97		00280	9097		
97		00290	9097		
97		00300	9097		
97		00310	9097		
97		00320	9097		
97		00330	9097		
97		00340	9097		
97		00350	9097		
97		00360	9097		
97		00370	9097		
97		00380	9097		
97		00390	9097		
97		00400	9097		
97		00410	9097		
97		00420	9097		
97		00430	9097		
97		00440	9097		
97		00450	9097		
97		00460	9097		
97		00470	9097		
97		00480	9097		
97		00490	9097		
97		00500	9097		
97		00510	9097		
97		00520	9097		
97		00530	9097		
97		00540	9097		
97		00550	9097		
97		00560	9097		
97		00570	9097		
97		00580	9097		
97		00590	9097		
97		00600	9097		
97		00610	9097		
97		00620	9097		
97		00630	9097		
97		00640	9097		
97		00650	9097		
97		00660	9097		
97		00670	9097		
97		00680	9097		
97		00690	9097		
97		00700	9097		
97		00710	9097		
97		00720	9097		
97		00730	9097		
97		00740	9097		
97		00750	9097		
97		00760	9097		
97		00770	9097		
97		00780	9097		
97		00790	9097		
97		00800	9097		
97		00810	9097		
97		00820	9097		
97		00830	9097		
97		00840	9097		
97		00850	9097		
97		00860	9097		
97		00870	9097		
97		00880	9097		
97		00890	9097		
97		00900	9097		
97		00910	9097		
97		00920	9097		
97		00930	9097		
97		00940	9097		
97		00950	9097		
97		00960	9097		
97		00970	9097		
97		00980	9097		
97		00990	9097		
97		01000	9097		

LR/SPECIFICATION ANALYSES

FAMILY NAME - VIBRATION TEST SET

SPEC MR LP FAN ID
CONF NP

PARAMETER

RECORDS OUTPUT 5000

97

111 9097

OUTPUT FOR RECORDER OR ANALYZER

06/18/80

ACCURACY -PCT-
OR AS STATED

06/18/80

LR/SPECIFICATION ANALYSES

FAMILY NAME - X-Y RECORDER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER
EQUIPMENT NAME 00100				
98		004	9098	X-Y RECORDER
	10010LR7000	004	5245	X-Y RECORDER
CLASSIFICATION 00105				
98		004	9098	TYPE II, CLASS 5, STYLE E, COLOR R, PER MIL-T-28800
	10010LR7000	004	5245	TYPE III, CLASS 5, COLOR R, STYLE E, PER MIL-T-28800
DIMENSIONS IN MM/INS 00110				
98		004	9098	403MM(19IN)X356MM(14IN)X178MM(7IN)D
	10010LR7000	004	5245	403MM(19IN)X356MM(14IN)X178MM(7IN)D
WEIGHT IN KG/LBS 00120				
98		004	9098	15KG/32LBS
	10010LR7000	004	5245	15KG/32LBS
ENCLOSURE (STYLE) 00130				
98		004	9098	BACKMOUNT CAPABILITY
POWER SUPPLY (V) / CONSUMPTION 00140				
98		004	9098	TYPE II 50.60 & 400HZ 5-PHASE 115/230VAC/50 WATTS
	10010LR7000	004	5245	50.60 & 400HZ 5-PHASE 115/230VAC
MTBF 00140				
98		004	9098	2000 HOURS

LR/SPECIFICATION ANALYSES

06/18/80

FAMILY NAME - X-Y RECORDER

ACCURACY -PCT-
OR AS STATED

SPEC NR	LR	FAM CODE	ID NR	PARAMETER	
PRIMARY CONNECTIONS					
		00170			
98		084	9098	INPUT DUAL BANANA PLUG W/GUARDED GND TERMINAL	
TEMP OPER/MON-OPERATING					
		00210			
	170101R79098	084	5245	-55 TO 75 DEG C	
AXIS ORIENTATION					
		04400			
98		084	9098	AXIS ANGLE OF THE 2 CHANNELS, 90 DEG FROM EACH OTHER	
	170101R79098	084	5245	AXIS OF 2 CHAN'S ANGLES OF 90 DEG TO EACH OTHER	
IMPEDANCE, INPUT					
		14400			
98		084	9098	100 OHMS FOR 1MV TO 100MV PER INCH/INCH, 1-10V PER IN	
	170101R79098	084	5245	700 OHM FOR 1MV TO 100MV & 1 MEGOHM FOR 1V TO 10V/INCH	
INPUT VOLTAGE RANGE					
		37600			
98		084	9098	1MV TO 10V PER INCH, IN 5 CALIBRATED RANGES	+/-2 PCT
	170101R79098	084	5245	SELECTABLE 1MV/INCH TO 10V/INCH IN 5 RANGES	+/-2 PCT
NON-LINEARITY					
		44400			
98		084	9098	NON-LINEARITY OF EACH CHANNEL, +/-0.2PCT MAX	
	170101R79098	084	5245	+/-0.2 PCT OF FULL SCALE	
OVERLOAD PROTECTION					
		44400			
98		014	9098	OVERLOAD PROTECT FROM OFF-SCALE INPUT VOLTAGES	
	170101R79098	084	5245	PROTECTION FOR EACH CHAN FOR OFF-SCALE DEFLECTION	

LR/SPECIFICATION ANALYSES

FAMILY NAME - V-V REFURNER

SPC	MR	LD	FAM	ID	PARAMETER
			CNTR	NR	
			51600		
					PEW OVERSHOOT, 2 PCT MAX FOR EITHER CHANNEL
98			004	9098	
		10110LR78000	004	5245	MAX OF 2PCT FOR EACH CHANNEL
			67200		
					SLEWING SPEED
98			004	9098	CHANNEL SLEWING SPEED 20 INCHES PER SECOND
		10110LR78000	004	5245	AT LEAST 20 INCH/SEC
			98000		
					WRITING AREA SIZE
98			004	9098	WRITING SIZE AREA 8 1/2 BY 11 INCHES
		10110LR78000	004	5245	8 1/2 BY 11 INCHES
			98000		
					ZERO OFFSET
98			004	9098	OFFSET ZERO VOLTS INDEX POINT +/- 1 FULL SCALE
		10110LR78000	004	5245	OFFSET ZERO VOLTS INDEX POINT +/- 1 FULL SCALE