

EQUIPMENT TEST LIST

RADIO TEST EQUIPMENT

SEE SECTION 010-300-011 FOR EQUIPMENT TEST LIST INSTRUCTIONS

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104			RADIO TEST EQUIPMENT			
104-1			SIGNAL GENERATORS, OSCILLATORS, OSCILLOSCOPES, AND METERS			
104-100 THRU			Signal Generators			
104-103						
104-100			KS-5782, L1 Signal Generator (TD-2)			
104-100-500	2		TESTS			
		2.13	Frequency—Calibration	MW	3M	
104-110 THRU			Oscillators			
104-112						
104-110			291A Test Oscillator			
104-110-500	2		TESTS			
		2B	Oscillator Grid Current	MW	6M	
		3A	Vacuum Tubes	MW	2M	
		3B	Signal Output Adjustment	MW	2M	
		3C	Percent Modulation	MW	6M	
104-111			KS-10361 Two-Tone Oscillator			
104-111-500	1		TESTS			
		2	Voltage and Frequency Check	MW	12M	
104-112			33A Oscillator			
♦ 104-112-000	2		DESCRIPTION, OPERATION, AND MAINTENANCE			
		5.02	Voltage Measurement	MW	3M	
♦		5.03	Output Voltage	MW	#	
♦		5.04	Frequency Calibration	MW	3M	
			# As Required			
104-130 THRU			Meters			
104-142						
104-130			Link 2051 Frequency Meter			
104-130-500	1		TESTS			
		3F	Periodic Check	MW	12M	
104-131			Budelman Type 17 Frequency Meter			
104-131-500	2		MAINTENANCE			
		3	Bench Tests	MW	2M	
			Note: Frequency Calibrations Should be Made at 2-Month Intervals Unless Experience Indicates That Longer Intervals Can be Used			
104-133			GE ST-13A—WE Frequency Meter			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-133-500	1		TESTS			
		3A	Batteries	MW	#	
		3C	Frequency Deviation Calibration	MW	#	
			# As Required			
		3F	Periodic Check	MW	12M	
104-135			71A Frequency-Power Meter (TE)			
104-135-500	1		TESTS			
		2	Tests and Adjustments	MW	12M	
104-136			J68404D Broadband and Auxiliary Radio			
			Channel Metering Test Set (TH)			
104-136-000	1		DESCRIPTION AND MAINTENANCE	MW	12M	
104-137			J68404E Heater Supply Test Set (TH)			
104-137-000	1		DESCRIPTION AND MAINTENANCE	MW	12M	
104-138			J68404F TWT Cathode Activity Test Set (TH)			
104-138-000	1		DESCRIPTION AND MAINTENANCE	MW	12M	
104-139			J68404T FM Terminal Metering Test Sets (TH)			
104-139-000	1		DESCRIPTION AND MAINTENANCE	MW	12M	
104-2			ATTENUATORS, DETECTORS, IMPEDANCE MATCHING			
			DEVICES, AND NONMICROWAVE TEST SETS			
104-200 THRU			Attenuators			
104-202						
104-200			ED-63927-01 Variable Waveguide Attenuator (TD-2)			
104-200-500	3		ED-63927-01 AND -70—TESTS			
		2-3	Electrical and Mechanical Tests	MW	6M	
104-3			FM TERMINAL, VISUAL DELAY, AND PROTECTION			
			SWITCHING TEST SETS			
104-300 THRU			FM Terminal Test Sets			
104-307						
104-300			J68337A FM Test Set (TD-2)			
104-300-500	3		MAINTENANCE	MW	12M	
104-301			J68337B Electronic Switch (TD-2)			
			(Part of 37A FM Test Set)			
104-301-500	3		MAINTENANCE	MW	12M	
104-302			J68337C Linearity Test Set (TD-2 & TJ)			
			(Part of 37A FM Test Set)			
104-302-500	3		MAINTENANCE	MW	12M	
104-303			J68337H FM Terminal Test Set (TD-2)			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-303-500	2		MAINTENANCE			
		2A	<i>Overall Test of Linearity Test Set</i>	MW	12M	
104-304			J68337F FM Test Set (TD-2)			
			(Part of 37H FM Test Set)			
104-304-500	4		MAINTENANCE			
		ALL	<i>When Part of J68337H Terminal Test Set— Complete Maintenance</i>	MW	12M	
		ALL	<i>When Used on Portable Basis—Complete Maintenance</i>	MW	3M	
		7	<i>When Used as Emergency FM Receiver— Linearity Check</i>	MW	W	
104-305			J68337G Linearity Test Set (TD-2 and TJ)			
			(Part of 37H FM Test Set)			
104-305-500	1		MAINTENANCE			
		2A	<i>Power Supply</i>	MW	6M	
		2B	<i>100-kHz Oscillator</i>	MW	6M	
		2C	<i>100-kHz Amplifier and Metering Circuits</i>	MW	3M	
		2D	<i>Percent LIM ADJ Control</i>	MW	3M	
		2E	<i>30-Hz Relay Circuit</i>	MW	12M	
		2F	<i>Video Amplifier and Detector Circuit</i>	MW	6M	
104-306			J68408A FM Terminal Test Set (TH)			
104-306-500	2		MAINTENANCE			
ADDENDUM	1					
		1	<i>KS-15869 Oscilloscope</i>	MW	6M	
		2	<i>Power Supplies</i>	MW	3M	
		3	<i>Time Base Generator</i>	MW	6M	
		4	<i>97-kHz Oscillator</i>	MW	3M	
		5	<i>74.13-MHz Oscillator</i>	MW	3M	
		6	<i>97-kHz and 74.13-MHz Power Meters</i>	MW	3M	
		7	<i>KS-15865, L1 Oscillator and Associated Control Circuits in Time Base Generator</i>	MW	6M	
		8	<i>Modulator—Amplifier</i>	MW	6M	
		9	<i>97-kHz Modulation Regulator</i>	MW	6M	
		10	<i>Frequency Marker</i>	MW	3M	
		11	<i>Keyed IF Oscillator</i>	MW	6M	
		12	<i>IF Limiter-Discriminator</i>	MW	12M	
		13	<i>97-kHz Amplifier-Rectifier</i>	MW	6M	

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
ADDENDUM	1		(Contd)			
		14	Video Separator and Sync Signal Amplifier	MW	12M	
104-307			J68337J 3A FM Terminal Test Panel (TD-3)			
104-307-500	2		TESTS	MW	12M	
104-308			J99302BG Linearity Test Set (TL and TM)			
104-308-500	1		MAINTENANCE	MW	12M	
104-320			J68347A Visual Delay Set (TD-2)			
104-320-500	1		MAINTENANCE	MW	12M	
ADDENDUM	1					
104-330 THRU			Protection Switching Test Sets			
104-333						
104-330			J68345K Initiator Test Set (TD-2)			
104-330-501	1		ELECTRONICALLY REGULATED POWER SUPPLY	MW	12M	
♦ 104-330-502	2		IMPEDANCE MEASUREMENTS	MW	3M	
♦ 104-330-503	2		70-MHz OSCILLATOR AND AMPLIFIER ADJUSTMENT	MW	12M	
♦ 104-330-504	2		61-MHz PILOT SUPPLY TESTS	MW	12M	
104-330-508	1		FADE LEVEL CALIBRATION USING 70-TYPE POWER METER	MW	#	
104-330-509	1		FADE LEVEL CALIBRATION USING A VACUUM TUBE VOLTMETER	MW	#	
			# Perform either procedure monthly.			
104-331			J68381T Test Set (TD-3) (100A)			
104-331-500	4		GENERAL TEST INFORMATION			
		2	Tests and Adjustments	MW	6M	
♦ 104-331-501	2		J68381CD VOLTMETER CIRCUIT MAINTENANCE	MW	6M	
104-331-510	3		KS-19714, L1 ELECTRONIC COUNTER	MW	*	
104-331-511	3		KS-19714, L4 TIME INTERVAL PLUG-IN UNIT	MW	*	
104-331-512	3		KS-19714, L5 FREQUENCY CONVERTER PLUG-IN UNIT	MW	*	
104-331-513	3		KS-19711, L1 OSCILLATOR	MW	*	
104-331-514	3		KS-19698, L1 OR L5 POWER METER	MW	*	
104-331-515	3		KS-19698, L4 THERMISTOR MOUNT OR KS-19698, L6 THERMOCOUPLE MOUNT	MW	*	
104-331-517	1		HEWLETT-PACKARD 5248L OR KS-19714, L6 ELECTRONIC COUNTER—MAINTENANCE	MW	*	
104-332			J68412A Test Set (TH)			
♦ 104-332-500	3		MAINTENANCE			
		1	Adjustment of Power Supplies	MW	6M	

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
♦ 104-332-500	3		(Contd)			
		2	Manual Exerciser Lamps and Reset Circuits	MW	6M	
		3	T1 Exerciser Amplifier	MW	6M	
		4	T2 Exerciser Memory	MW	6M	
		5	T3 Bias Switch	MW	6M	
		6	T4 Switch Verification	MW	6M	
		7	T5 74.13-MHz Power Meter	MW	6M	
		13	523DR Electronic Counter	MW	6M	
			200CD Oscillator (See 103-300-100)	MW	6M	
			400D Vacuum Tube Voltmeter (See 100-526-101)	MW	6M	
♦ 104-333			J68429AA Test Set			
♦ 104-333-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE	MW	12M	
104-4			MICROWAVE TEST BAYS, SETS, AND BENCHES			
104-410 THRU			Test Sets			
104-440						
104-410			J68345A Transmitter-Receiver Set (TD-2)			
♦ 104-410-500	6		MAINTENANCE			
		2E	Calibration of RF Power Meter Circuit	MW	6M	
		2F	Calibration of IF Power Meter Circuit	MW	6M	
		3G	IF Frequency Meters	MW	6M	
		4	515A Filter	MW	6M	
		5	RF Frequency Meter	MW	6M	
♦		6	RF Attenuator	MW	6M	
104-412			J68345F Frequency Calibrator (TD-2)			
104-412-500	3		MAINTENANCE	MW	6M	
104-413			KS-15658 Noise Figure Test Set (TD-2)			
♦ 104-413-500	3		MAINTENANCE	MW	12M	
104-414			J64001AK Tube Test Set (TD-2)			
104-414-330	3		TROUBLE TESTS	MW	12M	
104-415			J68392A Transmitter-Receiver Test Set (TD-3 and TH-3)			
♦ 104-415-501	2		ROUTINE MAINTENANCE	MW	12M	
♦ 104-417			J68428A Transmitter-Receiver Test Set			
♦ 104-417-501	1		ROUTINE MAINTENANCE	MW	12M	
♦ 104-417-506	1		CONTROL UNIT MAINTENANCE	MW	12M	
104-422			Hewlett-Packard KS-16647 RF Test Set (TJ)			
104-422-000	2		DESCRIPTION, OPERATION, AND MAINTENANCE			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-422-000	2		(Contd)			
			(MANUAL SECTIONS 4-2 AND 4-3)			
			<i>Frequency Meter Desiccator Check</i>	MW	6M	
			<i>Lubrication</i>	MW	6M	
104-430			J68405A Transmitter-Receiver Test Set (TH)			
104-430-501	1		POWER SUPPLIES	MW	4M	
104-430-502	2		RF GENERATOR			
		1	<i>Operational Check of the RF Generator</i>	MW	4M	
104-430-503	1		SWEEP GENERATOR			
		1	<i>Operational Check of Timing Oscillator and</i>	MW	4M	
			<i>Relay Circuit</i>			
		2	<i>Operational Check of Frequency Marker</i>	MW	4M	
			<i>and Repeller Sweep Amplifier</i>			
104-430-504	2		KS-15865 OSCILLATOR (IF GENERATOR)			
ADDENDUM	1					
		1	<i>Operational Check of Oscillator</i>	MW	4M	
104-430-505	1		VIDEO AMPLIFIER			
		1	<i>Operational Check of Video Amplifier</i>	MW	4M	
104-430-506	2		97-kHz OSCILLATOR			
		1	<i>Operational Check of 97-kHz Oscillator</i>	MW	4M	
104-430-507	1		97-kHz AMPLIFIER-RECTIFIER			
		1	<i>Operational Check of 97-kHz Amp-Rect</i>	MW	4M	
104-430-508	1		MODULATION REGULATOR			
		1	<i>Operational Check of Modulation Regulator</i>	MW	4M	
104-430-509	1		NOISE FIGURE TEST SET			
ADDENDUM	1					
		1	<i>Operational Check of Regulated Power Supply</i>	MW	4M	
			<i>and Noise Lamp Power Supply</i>			
		2	<i>Operational Check of Amplifier</i>	MW	4M	
			<i>Gain-Frequency Response and Return Loss of</i>			
			<i>Detector Circuit</i>			
104-430-515	2		MISCELLANEOUS TEST SET ACCESSORIES			
		2	<i>RF Trans Meas—Test Set Flexible Waveguide</i>	MW	6M	
		3	<i>RF Return Loss Measurement—</i>	MW	6M	
			<i>Test Set Flexible Waveguide</i>			
104-430-516	1		KS-16532 FLEXIBLE WAVEGUIDE RETURN LOSS TEST			
		1	<i>RF Return Loss</i>	MW	12M	

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-431			J68415A Auxiliary Test Set (TH)			
♦ 104-431-500	4		MAINTENANCE	MW	12M	
104-432			J68414A DADE Test Set (TH)			
104-432-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE	MW	12M	
104-440			J99262AA Test Set (TL)			
104-440-500	1		MAINTENANCE	MW	12M	
104-480 THRU			Test Benches			
104-482						
104-480			J68333A Test Bench (TD-2)			
104-480-500	3		MAINTENANCE			
		2B	IF Directional Coupler—Return Loss Test	MW	12M	
		3B	IF Signal Inserter—Direct Current Test	MW	12M	
		3C	IF Signal Inserter—Return Loss Test	MW	12M	
104-481			J68848 Test Bench (TH)			
♦ 104-481-502	3		6049-MHz FREQUENCY GENERATOR BAY			
			(TEST IN THE SEQUENCE GIVEN)			
		1	Low-Voltage Power Supply	MW	2M	
		2	Low-Frequency Generator	MW	2M	
		3	High-Frequency Generator	MW	2M	
♦		7	Deleted			
104-481-503	3		BROADBAND RADIO CHANNEL EQUIPMENT			
			(TEST IN THE SEQUENCE GIVEN)			
		1	Low-Voltage Power Supplies	MW	2M	
		2	14.8-MHz Supply	MW	2M	
		3	74-MHz IF Amplifier-Limiter	MW	2M	
		4	Transmitter Modulator and Modulator Amplifier	MW	2M	
		5	J68404H Receiver Modulator and IF Preamp	MW	2M	
		6	J68913A Receiver Modulator and IF Preamplifier	MW	2M	
		7	74-MHz IF Main Amplifier	MW	2M	
		8	Automatic Gain Control	MW	2M	
		9	9-MHz Level Adjustment	MW	2M	
104-481-504	1		AUXILIARY CHANNEL EQUIPMENT			
			(TEST IN THE SEQUENCE GIVEN)			
ADDENDUM	1					
		3	Carrier Supply Modulator	MW	2M	
		4	Automatic Gain Control	MW	2M	

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
ADDENDUM	1		(Contd)			
		5	Receiver Modulator and IF Preamplifier	MW	2M	
			Adjustments			
		6	Frequency Shift Oscillator	MW	2M	
		7	IF Amplifier Adjustments	MW	2M	
104-481-505	1		FM TERMINAL TRANSMITTER BAY			
			(TEST IN THE SEQUENCE GIVEN)			
			IF Amplifier 412-210-501			
		1	Meter Readings and DC Adjustments	MW	M	
		2	IF Return Loss	MW	12M	
			Reference Oscillator 412-220-506			
		1	Meter Readings and DC Adjustments	MW	M	
		2	Maximizing Output Power and Cathode	MW	6M	
			Activity Test			
		3	Check of Reference Oscillator Frequency	MW	6M	
			Frequency Comparator 412-220-507			
		1	Meter Readings and DC Adjustments	MW	M	
			Limiter-Discriminator 412-220-505			
		1	Meter Readings and DC Adjustments	MW	M	
		2	Return Loss, Transmission, and Limiting Tests	MW	12M	
		3	74.13-MHz Carrier Balance Adjustment	MW	12M	
			(1st Check)			
		5	Linearity Adjustments	MW	12M	
		3	74.13-MHz Carrier Balance Adjustments			
			(Subsequent Check)			
			Video Amplifier 412-220-502			
		1	Meter Readings and DC Adjustments	MW	4M	
		2	Sensitivity	MW	4M	
		3	Gain, Cathode Activity, and High-Frequency	MW	4M	
			Response			
			Video Amplifier Monitor 412-210-502			
		1	Meter Readings and DC Balance	MW	M	
		2	Sensitivity	MW	4M	
			FM Generator 412-220-503			
		1	Meter Readings, Cathode Activity, and	MW	M	
			DC Adjustments			
			Overall Tests and Adjustments 412-220-508			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-481-505	1		(Contd)			
		2	<i>AFC Operation Tests</i>	<i>MW</i>	<i>2M</i>	
		6	<i>Linearity and Deviation Adjustments</i>	<i>MW</i>	<i>6M</i>	
		7	<i>IF Carrier Level Check</i>	<i>MW</i>	<i>2M</i>	
104-481-506	1		FM TERMINAL RECEIVER BAY			
			(TEST IN THE SEQUENCE GIVEN)			
			IF Amplifier-Limiter 412-210-503			
		1	<i>Setting Supply and Bias Voltage</i>	<i>MW</i>	<i>M</i>	
		2	<i>Cathode Activity Test</i>	<i>MW</i>	<i>2M</i>	
		3	<i>Input and Output Return Loss</i>	<i>MW</i>	<i>12M</i>	
		4	<i>Overall Transmission Shape</i>	<i>MW</i>	<i>12M</i>	
		5	<i>Interstage Transmission Test</i>	<i>MW</i>	<i>12M</i>	
		6	<i>Power Output, Compression, and Diode</i>	<i>MW</i>	<i>4M</i>	
			<i>Currents</i>			
			Discriminator Video Amplifier 412-230-502			
		1	<i>DC Measurements and Adjustments</i>	<i>MW</i>	<i>M</i>	
		9	<i>Video Amplifier Square-Wave Test</i>	<i>MW</i>	<i>12M</i>	
		11	<i>Video Amplifier Transmission Tests</i>	<i>MW</i>	<i>12M</i>	
		2	<i>Discriminator Input Return Loss</i>	<i>MW</i>	<i>12M</i>	
		3	<i>Discriminator Interstage Transformer</i>	<i>MW</i>	<i>12M</i>	
			<i>Adjustment</i>			
		4	<i>Balancing Discriminator Driver and Rectifier</i>	<i>MW</i>	<i>12M</i>	
			<i>Tubes</i>			
			Video Amplifier Monitor 412-210-502			
		1	<i>Meter Readings and DC Balance</i>	<i>MW</i>	<i>M</i>	
		2	<i>Sensitivity</i>	<i>MW</i>	<i>4M</i>	
♦ 104-5			SINGLE-SIDEBAND MICROWAVE RADIO			
♦			TEST EQUIPMENT			
♦ 104-500			AR 6A Test Equipment			
♦ 104-500-100	1		J68454C SCAN. IM TST MOD—J68454D SCAN.			
♦			IM PWR MOD—DESCR, OPR, AND MTCE			
♦		4	<i>Maintenance</i>	<i>MW</i>	<i>12M</i>	
♦ 104-500-101	1		PILOT SELECTION TEST SET (J68454B)			
♦			DESCR, OPR, AND MTCE			
♦		4	<i>Maintenance</i>	<i>MW</i>	<i>6M</i>	
104			RADIO TEST EQUIPMENT			
104-1			SIGNAL GENERATORS, OSCILLATORS,			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-1			(Contd)			
			OSCILLOSCOPES, AND METERS			
104-100 THRU			Signal Generators			
104-103						
104-100			KS-5782, L1 Signal Generator (TD-2)			
104-100-500	2		TESTS			
		3	<i>Trouble Location Tests</i>	TT		
104-101			General Radio 605-B Signal Generator			
104-101-500	1		TESTS	TT		
104-102			62A Signal Generator			
104-102-500	1		TESTS	TT		
104-103			63A Signal Generator			
104-103-500	1		TESTS	TT		
104-110 THRU			Oscillators			
104-112						
104-110			291A Test Oscillator			
104-110-500	2		TESTS			
		4	<i>Trouble Location Tests</i>	TT		
104-111			KS-10361 Two-Tone Oscillator			
104-111-500	1		TESTS			
		3-4	<i>Tuning Adjustments and Trouble Location Tests</i>	TT		
104-112			33A Oscillator			
♦ 104-112-000	2		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-120 THRU			Oscilloscopes			
104-121						
104-120			DuMont 2567 Cathode Ray Oscillograph (TD-2)			
104-120-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-121			KS-15586 Oscilloscope (TD-2)			
104-121-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-130 THRU			Meters			
104-142						
104-130			Link 2051 Frequency Meter			
104-130-500	1		TESTS			
		3-4	<i>Bench Check—Trouble Location</i>	TT		
104-131			Budelman Type 17 Frequency Meter			
104-131-500	2		MAINTENANCE			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-131-500	2		(Contd)			
		4	<i>Trouble Location and Correction</i>	TT		
104-132			Measurements Corporation Model 59 UHF Frequency Meter			
104-132-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-133			GE ST-13A—WE Frequency Meter			
104-133-500	1		TESTS			
		3-4	<i>Bench-Check—Trouble Location</i>	TT		
104-134			Jones Micromatch, Models 711N & 711N2			
104-134-000	2		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-135			71A Frequency-Power Meter (TE)			
104-135-500	1		TESTS			
		3	<i>Trouble Location</i>	TT		
104-2			ATTENUATORS, DETECTORS, IMPEDANCE MATCHING DEVICES, AND NONMICROWAVE TEST SETS			
104-200 THRU			Attenuators			
104-202						
104-201			DuMont 21-1CBA Coaxial RF Attenuator			
104-201-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-202			20A and 20B Variable Waveguide Attenuator (TH-1)			
104-202-500	2		TESTS	TT		
102-210 AND			Detectors			
104-211						
104-210			1AJ IF Detector (TE)			
104-210-500	1		MAINTENANCE	TT		
104-211			1AJ Detector Modified Per ES-886600 (RCA TTR/TRR)			
104-211-500	1		MAINTENANCE	TT		
104-220			J68376C Impedance Matching Test Set (TJ)			
104-220-000	1		DESCRIPTION AND MAINTENANCE	TT		
104-230 THRU			Nonmicrowave Test Sets			
104-232						
104-230			83A Test Set			
104-230-500	1		MAINTENANCE	TT		
104-231			J41625A Remote Power Control Unit			
104-231-500	1		MAINTENANCE	TT		
104-232			Scantlin Model 2225 Test Set			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-232-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
ADDENDUM	1					
104-3			FM TERMINAL, VISUAL DELAY, AND PROTECTION			
			SWITCHING TEST SETS			
104-300 THRU			FM Terminal Test Sets			
104-307						
104-300			J68337A FM Test Set (TD-2)			
104-300-500	3		MAINTENANCE	TT		
104-301			J68337B Electronic Switch (TD-2)			
			(Part of 37A FM Test Set)			
104-301-500	3		MAINTENANCE	TT		
104-302			J68337C Linearity Test Set (TD-2 & TJ)			
			(Part of 37A FM Test Set)			
104-302-500	3		MAINTENANCE	TT		
104-303			J68337H FM Terminal Test Set (TD-2)			
104-303-500	2		MAINTENANCE	TT		
104-304			J68337F FM Test Set (TD-2)			
			(Part of 37H FM Test Set)			
104-304-500	4		MAINTENANCE	TT		
104-305			J68337G Linearity Test Set (TD-2 & TJ)			
			(Part of 37H FM Test Set)			
104-305-500	1		MAINTENANCE	TT		
104-307			J68337J 3A FM Terminal Test Panel (TD-3)			
104-307-501	2		J68337K 70- OR 74.13-MHz DEVIATION AND	TT		
			FREQUENCY TEST UNIT			
104-307-502	2		J68337L 256- OR 271-MHz REFERENCE OSCILLATOR	TT		
104-307-503	2		J68337M 70.2- OR 74.3-MHz	TT		
			CALIBRATION OSCILLATOR			
104-307-504	1		J68337N 1.05-MHz OSCILLATOR	TT		
104-307-505	1		J68337P BASEBAND AMPLIFIER	TT		
104-307-506	1		J68337R POWER SUPPLY	TT		
104-320			J68347A Visual Delay Set (TD-2)			
104-320-500	1		MAINTENANCE	TT		
ADDENDUM	1					
104-330 THRU			Protection Switching Test Sets			
104-333						
104-330			J68345K Initiator Test Set (TD-2)			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
♦ 104-330-505	2		61-MHz MIXING PAD LOSS	TT		
104-330-506	1		NOISE METER AMPLIFIER GAIN-FREQUENCY CHARACTERISTIC	TT		
104-330-507	1		AUDIO NOISE CIRCUIT GAIN-FREQUENCY CHARACTERISTIC	TT		
♦ 104-330-510	3		OVERALL NOISE CALIBRATION	TT		
104-330-511	1		INDICATOR LAMP CIRCUIT CHECK	TT		
104-330-512	1		INITIATOR LOAD CIRCUIT	TT		
♦ 104-330-520	2		PILOT ATTENUATOR (AT1) CHECK	TT		
104-330-530	1		VOLTAGE AND RESISTANCE MEASUREMENTS	TT		
104-331			J68381T Test Set (TD-3)(100A)			
♦ 104-331-501	2		J68381CD VOLTMETER CIRCUIT MAINTENANCE			
♦		7	<i>Voltage Measurements (Troubleshooting)</i> <i>Chart</i>	TT		
104-331-502	1		DRIVE A CIRCUIT	TT		
104-331-503	1		DRIVE CIRCUIT	TT		
104-331-504	1		REPETITIVE DRIVE CIRCUIT	TT		
104-331-505	1		SWITCH SIMULATING CIRCUIT	TT		
104-331-506	1		INHIBITING AND DETECTING CIRCUIT	TT		
104-331-507	1		J68381CK, 63- AND 70-MHz OSCILLATOR CKT	TT		
104-331-508	2		J68381CL, 7- AND 61-MHz OSC CKT— J68381DR, 58.12- AND 59.8-MHz OSC CKT	TT		
104-331-509	1		J68381CM LAMP DRIVE CIRCUIT	TT		
104-331-510	3		KS-19714, L1 ELECTRONIC COUNTER	TT		
104-331-511	3		KS-19714, L4 TIME INTERVAL PLUG-IN UNIT	TT		
104-331-512	3		KS-19714, L5 FREQUENCY CONVERTER PLUG-IN UNIT	TT		
104-331-513	3		KS-19711, L1 OSCILLATOR	TT		
104-331-514	3		KS-19698, L1 OR L5 POWER METER	TT		
104-331-515	3		KS-19698, L4 THERMISTOR MOUNT OR KS-19698, L6 THERMOCOUPLE MOUNT	TT		
104-331-516	1		J87207B RECTIFIER CIRCUIT	TT		
104-332			J68412A Test Set (TH)			
♦ 104-332-500	3		MAINTENANCE			
		9	<i>Troubleshooting T1 Exerciser Amplifier</i>	TT		
		10	<i>Troubleshooting T2 Exerciser Memory</i>	TT		
		11	<i>Troubleshooting T3 Bias Switch</i>	TT		

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-332-500	3		(Contd)			
		12	Troubleshooting T4 Switch Verification	TT		
104-4			MICROWAVE TEST BAYS, SETS, AND BENCHES			
104-410 THRU			Test Sets			
104-440						
104-410			J68345A Transmitter-Receiver Set (TD-2)			
◆ 104-410-500	6		MAINTENANCE			
		2A	Power Supply Circuit	TT		
		2B	Sweep Vane Adjustment	TT		
		2C	Sweep Adjustments	TT		
		2D	RF Sweep Oscillator Adjustments	TT		
		2G	Trouble Location	TT		
		3A	Sweep Drive Voltage	TT		
		3B	Rest Frequency	TT		
		3C	Output Level	TT		
		3D	Sweep and Slope Range	TT		
		3E	Scale Adjustments on Oscilloscope	TT		
		3F	Output Impedance	TT		
		3H	IF Detectors	TT		
		3I	IF Attenuators	TT		
		3J	Trouble Location	TT		
		6	RF Attenuator	TT		
104-411			J68340N Power Meter (TD-2, TH, and TJ)			
			(Part of 45A and 405A Test Set)			
104-411-500	1		MAINTENANCE	TT		
104-412			J68345F Frequency Calibrator (TD-2)			
104-412-500	3		MAINTENANCE			
		3	Resistance Measurements	TT		
		4	Voltage Measurements	TT		
104-413			KS-15658 Noise Figure Test Set (TD-2)			
◆ 104-413-500	3		MAINTENANCE			
◆		Tab A	Resistance Checks	TT		
104-414			J64001AK Tube Test Set (TD-2)			
104-414-330	3		TROUBLE TESTS	TT		
104-414-500	2		MAINTENANCE	TT		
104-415			J68392A Transmitter-Receiver Test			
			Set (TD-3 and TH-3)			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-415-502	1		J87296A POWER SUPPLY—MAINTENANCE	TT		
104-415-504	1		KS-19975 IF OSCILLATOR	TT		
104-415-505	1		RF AND IF SWEEP CONTROL UNIT	TT		
104-415-506	1		J68392C IF AMPLIFIER	TT		
104-415-507	1		J68392F IF DETECTOR CIRCUIT	TT		
104-415-508	2		KS-19974 RF OSCILLATOR	TT		
104-415-509	1		RF FREQUENCY METER—MAINTENANCE	TT		
104-415-510	1		KS-19977 FREQUENCY COUNTER	TT		
104-415-511	2		KS-19976 OSCILLOSCOPE	TT		
104-415-512	1		KS-19927 NOISE GENERATOR	TT		
104-415-513	1		KS-19978 POWER METER	TT		
104-415-514	1		KS-20383 RF OSCILLATOR—MAINTENANCE	TT		
♦ 104-417			J68428A Transmitter-Receiver Test Set			
♦			Maintenance			
♦ 104-417-502	1		KS-20882 OSCILLOSCOPE	TT		
♦ 104-417-503	1		KS-20884 FREQUENCY COUNTER	TT		
♦ 104-417-504	1		KS-20625 POWER METER	TT		
♦ 104-417-505	1		KS-20626 IF/RF SWEEP OSCILLATOR	TT		
♦ 104-417-507	1		KS-21444 FREQUENCY COUNTER	TT		
104-420			J68376A Transmitter Disconnect Unit			
104-420-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-421			J68376B IF Test Set (TJ)			
104-421-000	2		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-422			Hewlett-Packard KS-16647 RF Test Set (TJ)			
104-422-000	2		DESCRIPTION, OPERATION, AND MAINTENANCE	TT		
104-430			J68405A Transmitter-Receiver Test Set (TH)			
104-430-501	1		POWER SUPPLIES			
		4	<i>Voltage Measurements</i>	TT		
104-430-502	2		RF GENERATOR			
		2	<i>Operational Check of the Automatic Level</i>	TT		
			<i>Control Detector</i>			
		3	<i>Operational Check of Klystron Bandwidth</i>	TT		
104-430-503	1		SWEEP GENERATOR			
		3	<i>Operational Check of Automatic Level</i>	TT		
			<i>Control Amplifier</i>			
		4	<i>Voltage Measurements</i>	TT		
104-430-504	2		KS-15865 OSCILLATOR (IF GENERATOR)			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
ADDENDUM	1					
		2	<i>Harmonic Performance of Oscillator</i>	TT		
		3	<i>Voltage Measurements</i>	TT		
104-430-505	1		VIDEO AMPLIFIER			
		2	<i>Voltage Measurements</i>	TT		
104-430-506	2		97-kHz OSCILLATOR			
		2	<i>Voltage Measurements</i>	TT		
104-430-507	1		97-kHz AMPLIFIER-RECTIFIER			
		2	<i>Voltage Measurements</i>	TT		
104-430-508	1		MODULATION REGULATOR			
		2	<i>Voltage Measurements</i>	TT		
104-430-509	1		NOISE FIGURE TEST SET			
ADDENDUM	1					
		3	<i>Voltage Measurements</i>	TT		
104-430-510	1		489A NETWORK	TT		
104-430-511	1		RF REFLECTOMETER	TT		
104-430-512	1		KS-15869 OSCILLOSCOPE	TT		
104-430-513	2		RF METER	TT		
104-430-514	1		IF METER	TT		
104-430-515	2		MISCELLANEOUS TEST SET ACCESSORIES			
		1	<i>Adjustment of IF Probe</i>	TT		
104-432			J68414A DADE Test Set (TH)			
104-432-000	1		DESCRIPTION, OPERATION, AND MAINTENANCE			
		3	<i>Operation</i>	TT		
		4	<i>Maintenance</i>	TT		
104-480 THRU			Test Benches			
104-482						
104-480			J68333A Test Bench (TD-2)			
104-480-500	3		MAINTENANCE			
		2C	<i>IF Directional Coupler—Trouble Location</i>	TT		
		3D	<i>IF Signal Inserter—Trouble Location</i>	TT		
104-481			J68848 Test Bench (TH)			
104-481-501	1		AC POWER CONTROL AND DISTRIBUTION	TT		
♦ 104-481-502	3		6049-MHz FREQUENCY GENERATOR BAY			
		4	<i>Removal of 444A TWT</i>	TT		
		5	<i>Installation of 444A TWT</i>	TT		
		6	<i>Replacement of 416-Type Tubes</i>	TT		

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
104-481-503	3		BROADBAND RADIO CHANNEL EQUIPMENT			
		1	<i>Low-Voltage Power Supplies</i>	TT		
		10	<i>Removal and Installation of 427A Diodes</i>	TT		
		11	<i>Removal and Installation of KS-16577, List 1 Diodes</i>	TT		
		12	<i>Removal and Installation of 497A Diodes</i>	TT		
104-481-504	1		AUXILIARY CHANNEL EQUIPMENT			
ADDENDUM	1					
		1	<i>Setting Test Bench Supply and Bias Voltage</i>	TT		
		2	<i>Cathode Activity</i>	TT		
104-481-505	1		FM TERMINAL TRANSMITTER BAY			
			IF Amplifier 412-210-501			
		3	<i>Transmission Tests</i>	TT		
			Frequency Comparator 412-220-507			
		2	<i>Gain and Cathode Activity Tests</i>	TT		
			Limiter-Discriminator 412-220-505			
		4	<i>Discriminator Transformer Response and Deviation Sensitivity Tests</i>	TT		
		6	<i>Cathode Activity Test</i>	TT		
			Video Amplifier 412-220-502			
		2	<i>Square-Wave Test</i>	TT		
		4	<i>Check of Vibration Isolation Supports</i>	TT		
			FM Generator 412-220-503			
		2	<i>Replacing DO or BO Klystrons</i>	TT		
		3	<i>Replacing Modulator Crystal</i>	TT		
		4	<i>Klystron Frequency and Power Output Adjustments</i>	TT		
			Overall Tests and Adjustments 412-220-508			
		1	<i>Power Supply Adjustments and Normal Meter Reading</i>	TT		
		3	<i>Reference Oscillator Frequency Check</i>	TT		
		4	<i>Video Amplifier High-Frequency Response</i>	TT		
		5	<i>60-Hz Square-Wave Tests</i>	TT		
		8	<i>Video Amplifier Monitor Adjustments</i>	TT		
		9	<i>Fluctuation Noise</i>	TT		
104-481-506	1		FM TERMINAL RECEIVER BAY			
		5	<i>Discriminator Network Adjustments for</i>	TT		

