



# R C N Catalogue of Materiel

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TABLE 211  
TEST SET, RADAR:

NATO STOCK NO.	DETAIL	NATOSC	REFERENCE NO.
6625-21-478-0147	TEST AND MONITORING INSTRUMENT SUITABLE FOR RADAR EQUIP OPERATING IN THE 150-230 MC BAND, AND WITH TERMINATING IMPEDANCE OF 50 OHMS; WAVEMETER-OSCILLATOR FOR MEASURING FREQUENCY OF TESTING AND ADJUSTING PULSE-MODULATED TRANSMITTER AND RECEIVER EQUIPMENTS; PORTABLE; INCLUDES 4 COAXIAL CABLES WITH CONNECTORS; CALIBRATION CHART; T-CONNECTOR; SEPARATE RECEIVER GAIN CONTROL; POWER CABLE AND INSTRUCTION BOOK; STEEL CASE WITH CARRYING HANDLE AND REMOVABLE FRONT COVER, 15-1/8 LG X 8-1/2 WD X 10-1/2 IN. HT; POWER REQUIREMENTS, 110-120 VAC, 50-70 OR 400 CPS.	80064	OAP-1
6625-21-478-0148	TEST OSCILLATOR FOR USE WITH SU RADAR; INCORPORATES 30 MC OSCILLATOR; PROVISION FOR TESTING AND ADJUSTING AFC AND PRF.	94404	2
6625-21-478-0013	TESTS RF POWER OUTPUT, FREQUENCY PULSE WAVE FORM AND CODING, RECEIVER DECODING, FREQUENCY, BANDWIDTH SENSITIVITY, PULSE COUNTING, PULSE ANALYSIS, SIGNAL TRACKING AND SYNTHETIC IFF TARGET GENERATING; FREQUENCY RANGE 925 TO 1225 MC; PULSE COUNTER INDICATES PULSE REPETITION FREQUENCY OF SINGLE OR MULTIPLE VIDEO PULSES, 50 - 5000 PPS; OSCILLOSCOPE SWEEP DURATION 4 - 7.5 - 500 AND 2600 USEC; POWER REQUIREMENTS, 115 VAC, 60-400 CPS.	80058	AN/UPM-4A
6625-21-478-0000	PROVIDES MINIMUM SIGNAL AT A PRESET FREQUENCY WITHIN ITS RANGE TO AN IFF TRANSPONDER AND DETERMINES AT THE RESPONSE IS WITHIN A MAX. PRESET FREQUENCY RANGE, AND HAS MORE THAN A MINIMUM POWER OUTPUT; USED WITH RADAR SET AN/APX-6, AN/SPX-2, AND TEST SET, RADAR, AN/UPM-4A; POWER REQUIREMENTS, 115 VAC, 57-1000 CPS.	80058	AN/UPM-8
6625-21-478-0419	SIMILAR TO TEST SET, RADAR, NATO STOCK NO. 6625-21-478-0000.	80058	AN/UPM-8A
6625-21-478-0010	TESTS RF POWER, FREQUENCY, RECEIVER SENSITIVITY, BANDWIDTH; PRF RANGE 47 - 4100 PPS; GENERATOR 980 - 1125 MC, PULSE-MODULATED; MAJOR COMPONENTS: TEST SET TS-721/UPM-6B; RF PROBE MX-796A/UPM-6B; 3 ADAPTERS, UG-201/U, UG-273/U AND UG-309/U; 3 CABLES, RG-55/U, RG-58/U AND RG-62/U; 6 ALLEN TYPE WRENCHES; 1 AC POWER CABLE; DIM., 23-7/8 LG X 19-1/2 WD X 28 IN. HT; POWER REQUIREMENTS, 103.5 - 126.5 VAC, 50-1000 CPS, 1 PHASE.	80058	AN/UPM-6B
6625-21-478-0049	S BAND; ANALYSIS OF PULSED RF SIGNALS; POWER AND FREQUENCY MEASUREMENTS OF RF SIGNAL; MEASUREMENT OF SENSITIVITY, BANDPASS AND RECOVERY TIME OF RADAR RECEIVER; SYNCHROSCOPE ANALYSIS OF RADAR SYSTEM CKT; TYPE AN/UPM-44A; POWER REQUIREMENTS, 103.5 - 126.5 VAC, 50-1000 CPS.	09706	590
6625-21-478-0348	MEASURES RF POWER, FREQUENCY, RECEIVER SENSITIVITY; AND FURNISHES CONTINUOUS WAVE OR LINEAR SAWTOOTH FREQUENCY MODULATED RF OUTPUT SIGNALS AT AN ACCURATELY SELECTED FREQUENCY WITHIN THE RANGE OF 5000 - 5650 MC AND POWER WITHIN RANGE OF -30 TO -80 DB; MEASURES FREQUENCY OF EITHER RF INPUT OR OUTPUT SIGNALS WITHIN RANGE OF 5000 - 5650 MC; MEASURES POWER OF RF SIGNALS WITHIN RANGE OF 5 TO 30 DB; INCLUDES RF ADAPTERS, AND RF, VIDEO AND POWER CABLES; POWER REQUIREMENTS, 115 VAC, 50-1000 CPS, 1 PHASE, 150 WATTS.	80058	AN/UPM-9
● 6625-21-478-0031	PORTABLE GENERAL PURPOSE EQUIPMENT FOR CHECKING THE CHARACTERISTICS OF RADAR TRANSMITTERS, RECEIVERS AND ANTENNA SYSTEMS OF RADAR INSTALLATIONS OPERATING IN THE NOMINAL 3 CM BAND; COMPRISES: WAVEGUIDE SWITCH, THERMISTOR POWER BRIDGE, CAVITY WAVEMETER, CRYSTAL MIXER DETECTOR, FREQUENCY SWEEP KLYSTRON OSCILLATOR, SWEEP GENERATOR, MONITOR RECEIVER, CRT SPECTRUM ANALYZER, AND REGULATED POWER SUPPLY; ACCESSORIES: 1 DIRECTIVE FEED UNIT; 1 FLEXIBLE WAVEGUIDE; 2 WAVEGUIDE ADAPTERS, RG-51/U TO RG-52/U; 5985-21-433-0074 2 WAVEGUIDE COAXIAL ADAPTERS, RG-52/U; 6 FT FLEXIBLE CABLE; 6625-21-040-7914 EXTERNAL ATTENUATOR, VARIABLE 0 - 30 DB; 6625-21-040-7913	90073	TF890/3

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NATO STOCK NO.	DETAIL	NATOSC	REFERENCE NO.
6625-21-478-0019 ●6625-21-478-0150	SAME AS TEST SET, RADAR, NATO STOCK NO. 6625-21-478-0031 (CMC TF890/3), BUT HAS A COVER OVER CONTROLS. MEASURES FREQUENCY AND POWER OUTPUT OF RADAR TRANSMITTERS OPERATING IN THE X BAND; ALSO USED FOR OTHER TESTS; DIM., 14-1/4 x 9-3/4 x 11-3/8 IN. POWER REQUIREMENTS, 100-125 VAC, 50-1200 CPS.	90073	TF890/4
●6625-21-478-0266	TESTS RADAR EQUIP OPERATING IN 8500 - 9600 MC RANGE; MAIN FUNCTION TO PRODUCE RF SIGNALS OF KNOWN FREQUENCY AND POWER (EITHER CW OR PULSED, AND WITH OR WITHOUT SYNCHRONIZATION); DETECTS AND MEASURES THE FREQUENCY AND AVERAGE POWER OF MODULATED OR UNMODULATED RF SIGNALS; DETECTS RADAR SIGNALS AND OBSERVES VIDEO WAVESHAPE OF RADAR TRANSMITTER OR RECEIVER WITH THE AID OF AN OSCILLOSCOPE; DETERMINES THE RECEIVER RECOVERY CHARACTERISTICS; INCLUDES: METAL CARRYING CASE CY-94/AP, 15-5/8 LG X 11-1/4 HT X 10-5/8 IN. WD; 1 HORN ANTENNA AT-39/AP; 1 CORD CG-60/AP; 1 ADAPTER MX-135/AP; 1 CORD CX-128/AP; POWER REQUIREMENTS, 105-125 VAC, 50-1600 CPS.	80058	TS-35A/AP
6625-21-478-0267	SIMILAR TO TS-35/AP SERIES, EXCEPT THAT TS-35/AP IS PULSE-MODULATED INSTEAD OF FREQUENCY-MODULATED; PRODUCES MICROWAVE TEST SIGNALS EITHER FM OR CW OF KNOWN POWER AND FREQUENCY; FREQUENCY RANGE 8500 - 9600 MC; INCLUDES: 1 HORN ANTENNA AT-68/UP; 1 CABLE EF C G-92/U; 1 CABLE TRIGGER CG-91/U; 1 CONNECTOR N7-49172; 1 POWER CORD CX-337/U; 1 SET OPERATING SPARES; METAL CASE 18-3/4 LG X 12-1/4 WD X 11 IN. HT; POWER REQUIREMENTS, 115 VAC ± 10 PER CENT, 50-1600 CPS.	80058	TS-147A/UP
6625-21-478-0529	TESTS POWER AND FREQUENCY MEASUREMENTS OF RADAR TRANSMITTERS, ALIGNMENT OF RADAR RECEIVERS, OBSERVATION OF RF AND VIDEO PULSES; POWER METER, 8500 - 10,500 MC; POWER RANGE, +5 TO +30 DBM AVERAGE POWER; FREQUENCY METER RANGE 8500 - 10,500 MC; SIGNAL GENERATOR, PEAK POWER OUTPUT CALIBRATED FROM -5 TO -100 DBM, RANGE 8500 - 10,500 MC; INTERNAL MODULATION, PULSE 0.25 - 10 USEC FM, 0 - 5 MC CW; EXTERNAL MODULATION, PULSE 0.2 TO 10 USEC SYNCHROSCOPE; DEFLECTION SENSITIVITY 0.5 V/IN., BAND WIDTH 8 MC; LOW FREQUENCY RESPONSE 3 DB, DOWN AT 1000 CPS; SWEEP LENGTH 5 - 20 - 50 - 250 - 4000 USEC; GATED SPECTRUM ANALYZER; TUNING RANGE 8500 - 10,500 MC; SENSITIVITY -55 DBM; RESOLUTION 50 KC; INCLUDES: 1 ADAPTER UG-225/U; 1 ADAPTER UG-466/U; 1 TEST SET, RADAR, TS-757/UPM-32; 2 WAVEGUIDES, FLEXIBLE, CG-179A/U; 22 IN. LG; 1 CABLE ASSEMBLY, POWER, ELECTRICAL, CX-3277/U, 8 FT LG; 1 CABLE ASSEMBLY, RF, CG-92A/U, 8 FT LG; 2 CABLE ASSEMBLIES, VIDEO, CG-1433/U, 8 FT LG; 1 HORN, PICKUP, AT-68/UP; DIM., 15-11/16 LG X 15-9/16 WD X 16-7/16 IN. HT; POWER REQUIREMENTS, 105-125 VAC, 50-800 CPS, 1 PHASE.	56232	620279
●6625-21-478-0151	CONSISTS OF SIGNAL GENERATOR, POWER METER AND SYNCHROSCOPE, FREQUENCY RANGE 150 - 240 MC; OUTPUT 30 - 110 DB BELOW 1 V; IMPEDANCE TO OHMS; OSCILLOSCOPE, SWEEP FREQUENCY RANGES MARKED LOW, MED, HIGH, 0 - 10; VERTICAL AMPLIFIER FREQUENCY RESPONSE 50 CPS TO 500 KC; GAIN 50 MAX.; SENSITIVITY MEASUREMENTS 30 - 110 DB BELOW 1 V; PRESENTATION AND CONTROL, WAVEFORMS AND PULSE SHAPES ARE DISPLAYED ON 2 IN. CRT; RECEIVER SENSITIVITY IN DB AND SIGNAL SOURCE OUTPUT IN DB READ DIRECTLY FROM CALIBRATED ATTENUATOR;		

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NATO STOCK NO.	DETAIL	NATOSC	REFERENCE NO.
●6625-21-478-0151	FREQUENCY DIAL OF SIGNAL SOURCE CALIBRATED IN ARBITRARY UNITS FROM 0 TO 10; SELECTOR SWITCH CONNECTS THE CKT FOR VARIOUS TYPES OF MEASUREMENTS AND CALIBRATION FOR WATT MEASUREMENT; DELAY (WITH RESPECT TO START OF SWEEP) 20 USEC; POWER MEASUREMENTS, INPUT IMPEDANCE 50 OHMS; MAX. PULSED POWER INPUT 3000 W; ACCESSORIES; 2 CONNECTING COAXIAL CABLES, 4 FT LG, WITH SINGLE PLUG CONTACTS AT EACH END; 1 TEST CABLE, 4 FT LG; 2 ADAPTERS UG-197/U; 4 ADAPTERS, NO REF NO. ; 1 POWER CORD, 15 FT LG; 1 POWER ADAPTER, 100:1, CN-46/U; 1 TRANSIR CASE, CY-278/UP; DIM., 16 HT X 9-1/4 WD X 12 IN. DP; POWER REQUIREMENTS, 115 VAC, 50-1200 CPS.	80058	TS-182/UP
6625-21-478-0286	MEASURES STANDING WAVE RATIO, X BAND; METER IN VSWR, 3 SCALES, 1.05 - 1.3, 1.3 - 2.0, 2.0 - 3.0; CONSISTS OF; INDICATOR, STANDING WAVE RATIO, IM-104/UPM-12; POWER SUPPLY, PP-1227/UPM-12; DUMMY LOAD, DA-111/UPM-12; CORD, CX-237/U; CABLE ASSEMBLY, CX-3115/U; ADAPTER, UG-153/U; MILITARY VERSION OF SPY MODEL 539; ALUMINUM CASE, 19-3/16 LG X 11-3/4 WD X 10-3/32 IN. HT; POWER REQUIREMENTS, 105-125 VAC, 50-800 CPS, 1 PHASE, 76 WATTS.	80058	AN/UPM-12
6625-21-478-0050	FOR RAPID AND ACCURATE VOLTAGE STANDING WAVE RATIO MEASUREMENTS; FREQUENCY RANGE 8.5 - 9.6 KMC; VSWR RANGE, 1.05 - 3 (3 SCALES CALIBRATED), 3 - 10 (UNCALIBRATED); INCLUDES; STANDARD MISMATCH AND POWER LINE CABLES; 12 FT CABLE FOR CONNECTION OF RF UNIT TO POWER SUPPLY; ADAPTER RG-51 TO RG-52 WAVEGUIDE; COMMERCIAL VERSION OF AN/UPM-12; POWER REQUIREMENTS, 115 VAC, 50-1000 CPS.	09706	539
●6625-21-478-0095	RESONANT CAVITY TYPE; FOR MEASURING FREQUENCIES IN THE X BAND RANGE OF EITHER PULSED OR CW SIGNALS; METER, 0 - 50 UA DC TYPE; IN32 CRYSTAL; INPUT CONNECTION IS COAXIAL CABLE 42 IN. LG WITH ADAPTERS FOR CONNECTING TO DESIRED; ALUMINUM CASE, WITH REMOVABLE COVER, 10 LG X 8-3/4 WD X 7-1/4 IN. HT; WT 7-1/2 LB; REQUIRES NO BATTERIES OR POWER SUPPLY.	80064	TS-33/AP
6625-21-478-0362	PADDLE FREQUENCY-MODULATED ECHO BOX WITH PARABOLIC REFLECTOR, MTD 20 - 100 FT FROM RADAR ANTENNA; STORES AND SLOWLY RETURNS TRANSMITTED ENERGY FROM THE RADAR; RADAR PERFORMANCE INDICATED BY LENGTH OF RADIAL TRACE PRODUCED ON RADAR INDICATOR.	s3075	166
6625-21-478-0007	PART OF AN/UPM-8A.	80058	TS-726/UPM-8A
6625-21-478-0008	PART OF AN/UPM-6B.	80058	TS-621/UPM-6B
6625-21-478-0304	TYPE AN/UPM-501.		
6625-21-478-0310	USED WITH TEST SET, RADAR AN/UPM-4A.		
6625-21-478-0149	MEASUREMENT RANGE 2 - 20 KW, 200 - 600 CPS PULSE FREQUENCY, 5 PER CENT ACCURACY; DIODE VOLTMETER INDICATOR MEASURES AC PEAK, METER INDICATOR 0 - 50 UA; INPUT IMPEDANCE 87 OHMS AT 175 MC; INCLUDES; CABLE ASSEMBLY REL 1578, TWIN RUBBER INSULATED NO. 14 WIRE, 15 FT LG; INDICATES A VARIATION IN POWER MEASUREMENT AND THEREFORE IS CHECKED AGAINST A KNOWN STANDARD; PORTABLE CASE, 7-3/4 LG X 4-1/2 WD X 4 IN. HT; FOR USE WITH TRANSMITTER TC-3040 AND SIMILAR EQUIPMENT; POWER REQUIREMENTS, 6.3 VAC OR VDC.	77561	1514



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TABLES 211 TO 212

TABLE 212

TEST SET, RADAR: ADMIRALTY PATTERN.

NATO STOCK NO.	DETAIL	NATOSC	REFERENCE NO.
6625-21-478-0215	TEST SET, TYPE 28; MEASURES AERIAL POWER BY PLUGGING-IN TEST SET IN PLACE OF AERIAL LINE.	10413	10SB/51
6625-21-478-0070	COMPRISES: A SMALL TRANSMITTER, RECEIVER, AND A MONITORING CRT ENERGIZED FROM THE RECEIVER OUTPUT, TOGETHER WITH THE NECESSARY POWER SUPPLIES AND TIME BASE; USED WITH 253P TEST SET, RADAR, TYPE 74A.	10413	10SB/160
6625-21-478-0216	TYPE OF TESTS: ADAPTER, TESTING, 6-WAY, FOR CR AND RECTIFIERS UNIT, DESIGN A(W5192); ADAPTER, TESTING, 3-WAY, FOR OSCILLATOR G41 (W5191); CONNECTION, FLEXIBLE, TWIN, 3 FT LG, WITH PLUG AM TYPE 160(W5190); AERIAL FOR WAVEMETER, G71(W5188) OR AERIAL, LOCAL, FOR WAVEMETER, G80(W5120); 2 BARS, SUPPORTING, 9-1/2 IN. LG, FOR PANEL L22, W5193; CONNECTION, FLEXIBLE, 3-CORE, 8 FT LG, WITH PATT 7354 PLUG AND W4337 SOCKET (W5189); LAMPHOLDER UNIT, W2145A.	10413	W522
6625-21-478-0217	FOR CHECKING RADAR FREQUENCY; INCLUDES: AMMETER W4409; CHART, CALIBRATION, 53969; COAXIAL CONNECTOR 53302; ATTENUATOR, W8847; EXTENSION CORD WITH COAXIAL PLUG ONE END AND T-SHAPED COAXIAL CONNECTOR ON OTHER END, 9 FT LG; EXTENSION CORD FOR METER CONNECTION, 8 FT LG, WITH JACK AT EACH END, AP 8241NX; POWER CORD, SHIELDED, 8 FT LG, FEMALE CONNECTOR ONE END, AND 3-PIN MALE CONNECTOR OTHER END.	10413	W5799 TEST SET SE2
6625-21-478-0218	USED TO MEASURE RELATIVE POWER OUTPUT OF RADAR EQUIPMENT; GALVANOMETER, W7559, RANGE 0 - 100, GRADUATED IN INCREMENTS OF 2 FROM 10 - 100; 6 SHIMS, AP W7135; 6 WAVEGUIDE GASKETS, PLYPAC SIZE A, AP W9559; 1 SPARE SLIDING SCALE 0 - 6; COMPLETE WITH ARMoured CABLE AND LUG TERM; CASE, AP W8921, WITH LOCK AND 2 KEYS.	10413	W7283

6625 21-478-0679 PROBE, ATTENUATOR, 10X, TYPE 4290, FOR OSCILLOSCOPE, DUMONT 767H.  
 " " 797-5811 LEAD, GROUND, 5028-8621 FOR ABOVE.