

PARA	MEET YES NO	COMMENT
<b>CONFIDENTIAL</b>		
1.1	-	"PURPOSE OF SPECIFICATION"
1.2	-	"PURPOSE OF DEVELOPMENT"
1.2.1	NO	THE DEVELOPMENT HAS NOT PRODUCED A PRODUCT MEETING ALL REQUIREMENTS.
1.2.2	YES	THE CONTRACTOR WILL SUBMIT 5 PROTOTYPES RS-6.
1.2.3	YES	THE CONTRACTOR WILL SUBMIT MANUF. DRAWINGS
1.2.4	YES	THE CONTRACTOR WILL SUBMIT BILL OF MATERIAL
1.2.5	YES	THE CONTRACTOR WILL SUBMIT MOCK UP INST. BOOK
1.2.6	YES	" " INTENDS TO COMPLY.
1.2.7	-	ARBITRARY ON CONTRACTORS PART.
1.3	-	"DISPOSITION OF THE RESULTS OF DEVELOPMENT"
1.4	-	"SUBSEQUENT SALE"
2	-	"APPLICABLE SPECIFICATIONS"
2.1	YES	CONTRACTOR HAS ENDEAVORED TO SELECT JAN PARTS COVERED IN PARA 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5, 2.1.6, 2.1.7, 2.1.8, 2.1.9, 2.1.10, 2.1.11, 2.1.12, 2.1.13.
2.2	YES	CONTRACTOR HAS REQUESTED WAIVER OF COMPONENTS AND PARTS UNDER PARA 2.2.
2.3	-	"DRAWINGS"
2.3.1		EQUIPMENT HAS BEEN LAID OUT FURFILLING INTENT OF PARA 2.3.1.
2.3.2	-	PARA 2.3.2 REFERS TO OTHER DRAWINGS IN SPECK
3.	-	"SYSTEM DESCRIPTION"
3.1	-	PARA 3.1 DESCRIBES RS-6
3.1.1	-	PARA 3.1.1 DESCRIBES RT-6
3.1.2	-	PARA 3.1.2 DESCRIBES RR-6
3.1.3	-	PARA 3.1.3 DESCRIBES RP-6 + RA-6
3.2	-	PARA 3.2 WITH PARA 3.2.1, 3.2.2, 3.2.3, 3.2.4 DESCRIBES NOMENCLATURE OF RS-6 RADIO STATION
3.3.1	YES	CABLES AND PLUGS ARE RECESSED + STORED PROPERLY.
3.3.2	NO	CASES ARE NOT PROVED TO STAND DROP TEST

DOCUMENT NO. 2  
 NO CHANGE IN CLASS.   
 DECLASSIFIED  
 CLASS. CHANGED TO: TS S C  
 NEXT REVIEW DATE: 07/2012  
 AUTH: HR 70-2  
 DATE: 7/20/87 REVIEWER: 010956

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PARA	MEET YES NO	COMMENT
3.3.3	YES	CONTRACTOR HAS NOT USED SHEET METAL SCREWS.
3.3.4	YES	METAL PARTS WHERE FEASIBLE HAVE BEEN TREATED TO PREVENT CORROSION.
3.3.5	YES	ALL CORNERS ARE ROUNDED 1/4"
3.4	-	"FINISHES, MARKING, AND COM
3.4.1	YES	FINISH OK.
3.4.2	YES	MARKINGS SILK SCREENED.
3.4.3	YES	COMPONENTS MARKED AS DIRECTED.
3.4.4	YES	CONTRACTORS TRADE MARK NOT ON EQUIPMENT.
3.5.1		"FUNGUS TREATMENT & MOISTURE PROOFING"
3.5.1	NO	RECEIVER TERMINAL BOARDS NOT MOISTURE PROOFED.
3.6	-	EQUIPMENT LIFE TESTS.
3.6.1	NO	NO DATA ON 200 HOUR LIFE TEST
3.6.2	NO	" " ON CYCLE LIFE TEST
3.6.3	NO	NO DATA ON HOT AND COLD TEST.
3.7		"COMPONENT RATINGS."
3.7.1	YES	COMPONENTS ARE OF SUFFICIENT SIZE & CAPACITY.
3.7.2	YES	WAVE 6X4 + 2E26 RATINGS
3.8	-	"OPERATING TEMPERATURE"
3.8.1	YES	COMPONENTS LAY OUT PROPERLY
3.8.2	-	OPERATIONAL TEMPERATURE RANGE
3.8.3	-	STORAGE TEMPERATURE RANGE
3.9	-	STANDARD TEST EQUIPMENT INCLUDING PARAS 3.9.1.1, 3.9.1.2, 3.9.1.3, 3.9.1.4, 3.9.1.5, 3.9.1.6 3.9.1.7, 3.9.1.8, 3.9.1.9.
3.10.3		"PACKING."
3.10.1	YES	PACKED ACCORDING TO SPECIES
3.10.2	YES	" " " "
3.10.3	YES	" " " "

PARA	MEET YES NO	COMMENT
4	-	"RECEIVER REQUIREMENTS"
4.1	-	"GENERAL"
4.1.1	-	RR-6 DESCRIPTION
4.1.2	YES	RECEIVER TUBES ARE SUBMINIATURE AND RITE NO.
4.2	-	"POWER REQUIREMENTS"
4.2.1	YES	RECEIVER MEETS LIMITS OF POWER INPUT
4.2.2	YES	" " " " " "
4.3	YES	RECEIVER MEETS FREQ RANGE
4.4	<del>YES</del>	"TUNING DIAL AND MECHANISM"
4.4.1	<del>YES</del> NO	DIAL MEETS REQUIREMENTS EXCEPT FIDUCIARY SWINGS 8.5°
4.4.2	YES	" " "
4.4.3	-	"DIAL CALIBRATION"
4.4.3.1	YES	DIAL MARKING PROPER MEETS SPECIFICATIONS
4.4.3.2	YES	" " " "
4.4.3.3	YES	" " " "
4.4.3.4	YES	" " " "
4.4.3.5	NO	CALIBRATION ACCURACY IS NOT LESS THAN 03%
4.4.4	-	"TUNING CONDENSER"
4.4.4.1	NO	CONDENSER IS NOT ACCURATE ENOUGH TO MEET .03% CALIBRATION ACCURACY
4.4.4.2	YES	CONDENSER HAS THREE SECTIONS
4.4.4.3	YES	CONDENSER DIMENSIONS MEET SPECIFICATIONS
4.4.4.4	YES	SUITABLE WHIPERS ARE PROVIDED
4.4.4.5	YES	STATORS ARE MOUNTED AT TWO PLACES
4.4.4.6	YES	TRIMMING CONDENSERS (AIR) ARE USED
4.5	YES	"COMPONENTS LAYOUT"
4.5.1	YES	COMPONENTS ARE LAID OUT SATISFACTORLY
4.5.2	YES	TUBES + CASE TEMPERATURE RISE ARE WITHIN SPECS
4.5.3	+	OPTIONAL ON CONTRACTORS PART.
4.5.4	YES	CONTRACTOR HAS TERMINAL BOARDS OF MELAMINE
4.5.5	YES	TUBES MOUNTED AND HOOKED UP PROPERLY
4.5.6	YES	POWER CORD TERMINATED AND STORED PROPERLY

PARA	MEET YES NO	COMMENT
4.6	-	"OPERATING & ELECTRICAL CHARACTERISTICS RA-6"
4.6.1	-	STANDARD TEST CONDITIONS INCLUDING PARA 4.6.1.1, 4.6.1.2, 4.6.1.3, 4.6.1.4, 4.6.1.5
4.6.2	-	"SENSITIVITY"
4.6.2.1	YES	RECEIVER MEETS SENSITIVITY REQUIREMENTS.
4.6.2.2	-	"METHOD OF MEASUREMENT" INCLUDING PARA 4.6.2.2.1 & 4.6.2.2.2
4.6.3	-	"SIGNAL TO NOISE MEASUREMENT"
4.6.3.1	YES	RECEIVER MEETS REQUIREMENTS OF SPECIFICATION.
4.6.3.2	-	"METHOD OF MEASUREMENT SIGNAL TO NOISE RATIO" INCLUDING PARA 4.6.3.2.1, 4.6.3.2.2.
4.6.4	-	NOISE OUT.
4.6.4.1	YES	RECEIVER MEETS NOISE OUTPUT TEST.
4.6.4.2	-	"METHOD OF TEST"
4.6.5	-	"DISTORTION"
4.6.5.1	YES	RECEIVER MEETS DISTORTION REQUIREMENTS.
4.6.5.2	YES	"METHOD OF TEST"
4.6.6	-	"I.F. REJECTION RATIO"
4.6.6.1	YES	THE RECEIVER MEETS THE I.F. REJECTION RATIO.
4.6.6.2	-	"METHOD OF TEST"
4.6.7	-	"IMAGE REJECTION"
4.6.7.1	YES	THE RECEIVER MEETS THE REQUIRED IMAGE REJECTION.
4.6.7.2	-	"METHOD OF TEST."
4.6.8	-	OSCILLATOR RADIATION
4.6.8.1	NO	THE REQUIRED OSCILLATOR RADIATION FIGURES ARE IMPRACTICAL FOR THIS TYPE OF EQUIPMENT.
4.6.8.2	-	"METHOD OF OSCILLATOR RADIATION TEST."
4.6.9	-	"ANTENNA IMPEDANCE"
4.6.9.1	YES	THE RECEIVER INPUT IMPEDANCE MEETS INTENT OF SPECS.
4.6.9.2	-	"METHOD OF MEASUREMENT"
4.6.10	-	"CROSS MODULATION"
4.6.10.1	NO	THE SPECK IS WORDED WRONG; THEY MEET 90db INSTD 100db.
4.6.11	YES	"POWER SUPPLY IMPEDANCE TEST"
4.6.12	-	"I.F. SELECTIVITY"
4.6.12.1	YES	THE RECEIVER MEETS I.F. SELECTIVITY REQUIREMENTS.

PARA	MEET YES NO	COMMENT
4.6.13	NO	RECEIVER DOES NOT MEET .03% DRIFT. NEED DATA RS6
4.6.14	YES	DESIGN IS STABLE, DONT OSCILLATE OR REGENERATE
4.6.15	NO	OSCILLATOR PULLING WITH CHANGE OF GAIN CONTROL EXCEEDS SPECS. NEED DATA RS-6.
4.6.16	-	WRITTEN TEST REPORT WAIVED FOR RS-6X + RS-6XX
4.7	YES	AUDIO OUTPUT OF RECEIVER IS AS REQUIRED
4.8	-	CONTROLS
4.8.1	YES	RECEIVER CONTROLS IS AS REQUIRED.
4.8.2	YES	RECEIVER EMPLOYS A CRYSTAL CALIBRATOR.
4.8.3	YES	ALL CONTROLS & BINDING POSTS ARE RECESSED.
4.8.4	YES	BFO & BIAS SYSTEM IS AS REQUIRED.
4.8.5	YES	THE RECEIVER IS CRYSTAL CONTROLLED.
4.9	-	"DRAWINGS" INCLUDING PARAS, 4.9.1, 4.9.2, 4.9.3 4.9.4
5	-	"REQUIREMENTS OF THE RT-6 RADIO TRANSMITTER"
5.1.1	-	RT-6 DESCRIPTION
5.1.2	-	"CIRCUITRY"
5.1.2.1	YES	RS-6 SHALL BE MODA & PERFORM BREAK-IN
5.1.2.2	YES	TRANS IS PROVIDED WITH MATCHING NETWORK
5.1.2.3	YES	KEY CLICK FILTERS ARE PROVIDED
5.2	-	"MECHANICAL REQUIREMENTS"
5.2.1	-	CASE CONSTRUCTION
5.2.1.1	YES	CASE DIMENTIONS ARE AS REQUIRED.
5.2.1.2	NO	DATA NOT AVAILABLE ON DROP TEST.
5.2.1.3	YES	ANT & GND TERMINALS ARE RECESSED.
5.2.1.4	YES	CONTROL KNOBS ARE AS SPECIFIED.
5.2.1.5	YES	CASE CONSTRUCTED AS REQUIRED.
5.2.2	-	"COMPONENT LAYOUT.
5.2.2.1	NO	OSC CONDENSER AND FINAL COILS NOT MOUNTED PROPERLY.
5.2.2.2	YES	CRYSTAL HOLDER IS PROPERLY PLACED AND MOUNTED
5.2.3	YES	KEY IS PROPERLY ARRANGED
5.2.4	YES	SHEET METAL SCREWS ARE NOT USED.
5.2.5	YES	EXTERIOR SCREWS ARE FLAT HEADED.

PARA	MEET	
	YES	NO
5.2.6	<del>NO</del>	RS-6XX + RS-6XX DOES NOT PROVIDE ENOUGH STORAGE SPACE FOR CORD AND PLUG. <del>RS-6</del> IS REDESIGNED.
5.3	-	"ELECTRICAL CHARACTERISTICS"
5.3.1	YES	THE FREQ RANGE IS AS REQUIRED.
5.3.2	NO	APPROVAL IS GIVEN ON RS6XX FOR B CURRENT OF 82 MA. SPECK CALLS FOR 75 MA FOR RS-6.
5.3.3	YES	ANTENNA MATCHING UNIT DELIVERS MAX POWER AT STATED IMPEDANCES.
5.3.4	NO	POWER OUTPUT AT SPECIFIED FREQUENCIES AND IMPEDANCES DOES NOT MEET TABLE. TRANSMITTER POWER OUTPUT MINIMUM IS CLAIMED BY CONTRACTOR TO BE MORE THAN 7 WATTS.
5.3.5	-	"TUNING INDICATORS"
5.3.5.1	YES	NEON INDICATORS ARE PROVIDED.
5.3.5.2	YES	BULD IS USED TO INDICATE R.F OUTPUT CURRENT
5.3.5.3	YES	CIRCUITRY IS AS SPECIFIED
5.3.6	YES	OSCILLATOR DYNAMIC INPUT CAPACITY IS AS REQUIRED
5.3.7	NO	KEYING CAPABILITIES DEPENDENT ON RS-6 TEST DATA. THIS INCLUDES PARA 5.3.7.1 AND 5.3.7.2
5.3.8	YES	HARMONIC RADIATION IS BELOW SPECIFIED.
5.3.9	YES	TRANSMITTER DOESNT GENERATE SPURIOUS FREQS.
5.3.10	YES	MONITOR SHALL BE PROVIDED.
5.4	YES	"MARKING" INCLUDING PARA 5.4.1, 5.4.2, 5.4.3, 5.4.4 AND 5.4.5
5.5	-	"DRAWINGS" INCLUDING PARA 5.5.1, 5.5.2, 5.5.3
6	-	"UNIVERSAL POWER SUPPLY RP-6"
6.1	-	"GENERAL"
6.1.1	-	"DESCRIPTION"
6.1.2	YES	RP-6 OPERATES FROM REQUIRED INPUT POWER REQUIREMENTS.
6.1.2.2	YES	POWER FACTOR REQUIREMENTS MEET SPECS
6.1.2.3	YES	BATTERY CURRENT DOESNT EXCEED 11 AMPS

PARA	MEET YES NO	COMMENT
6.1.3	-	"CIRCUITRY OF RP-6 POWER SUPPLY"
6.1.3.1	NO	THE TRANSFORMER DOES NOT INCLUDE A SEPARATE RECTIFIER FILAMENT <sup>WINDING</sup> TAP.
6.1.3.2	YES	6X4 USED
6.1.3.3	YES	VIBRATOR OK.
6.1.3.4	YES	MORE THAN 3.5A BATTERY CHARGING CURRENT AVAILABLE
6.1.3.5	NO	FUSING DOES NOT PROTECT EQUIPMENT AT ALL TIMES.
6.1.3.6	YES	"PLUG & CABLING" PLUGS AND CABLES ARE AS REQUIRED
6.1.3.7	NO	WHETHER THE INPUT <sup>VOLTAGE</sup> NEON BULB INDICATOR SHALL LIGHT AT RECOMMENDED INPUT VOLTAGE DEPENDS ON TESTS RS-6.
6.1.3.8	YES	TAP SWITCH IS CORRECT
6.2	-	"MECHANICAL REQUIREMENTS "RP-6"
6.2.1	-	"OVERALL DIMENSIONS"
6.2.1.1	YES	THE MAXIMUM DIMENSIONS ARE WITHIN SPECK.
6.2.1.2	YES	DIMENSIONS INCLUDE KNOBS
6.2.2	-	CASE CONSTRUCTIONS
6.2.2.1	YES	CASE CONSTRUCTION IS AS REQUIRED.
6.2.2.2	YES	ALL CASES MATCH IN COLOR & SPECK
6.2.2.3	NO	CHANGE SPECK DIVIDED NOT NEEDED WITH COATED TRANSFORMER.
6.2.2.4	YES	TRANSFORMER MOUNTED PROPERLY.
6.2.2.5	NO	NO EVIDENCE THAT TRANSFORMER IS COATED.
6.2.2.6	NO	APPROVAL IS PENDING APPROVAL OF TRANS COATING
6.2.2.8	NO	" " " DATA ON DROP TEST.
6.2.3	YES	CONTROLS ARE AS SPECIFIED.
6.2.4	-	"DRAWINGS" INCLUDING 6.2.4.1, 6.2.4.2.
6.3	-	ELECTRICAL CHARACTERISTICS
6.3.1	NO	CHANGE OUTPUT OF 82 MA APPROVED FOR RS-6XX. SPECK CALLS FOR 75 MA RS-6
6.3.2	NO	REGULATION APPROVAL PENDING DATA RS-6
6.3.2.1	YES	FILAMENT DROP HELD WITHIN SPECKS

PARA	MEET YES NO	COMMENT
6.3.3	-	"VIBRATOR NOISE MAXIMUM INTERFERENCE"
6.3.3.1	YES	CONTRACTOR HAS CONDUCTED TEST ACCORDING TO J I 225
6.3.3.2	NO	FIGURES IN SPEC IMPRACTICAL FOR THIS TYPE OF EQUIPMENT
6.3.3.3	NO	FIGURE IN SPEC IMPRACTICAL FOR THIS TYPE OF EQUIPMENT
6.3.3.4	NO	NO MEASUREMENT AVAILABLE, HOWEVER HASH NOISE IN RECEIVER IS LOW COMPARED WITH ANTENNA NOISE.
6.3.3.5	NO	IMPRACTICAL TO FILTER TO DEGREE NECESSARY IN ALLOWED SPACE.
6.4	-	"DUTY CYCLE - HEATING"
6.4.1	-	PARA 6.4.1 DESCRIBES DUTY CYCLE
6.4.2	-	MAX SURFACE TEMP MEETS SPEC.
6.5	NO	TEST DATA HAS NOT BEEN SUBMITTED BY CONTRACTOR SHOWING THAT HE CAN MEET ABOVE REQUIREMENTS.
6.6	-	DRAWINGS INCLUDING PARAS 6.6.1, 6.6.2, 6.6.3, 6.6.4
7	-	RA-6 FILTER, REGULATOR AND CONTROL UNIT.
7.1	-	"GENERAL"
7.1.1	-	"PURPOSE OF UNIT"
7.2	-	"POWER REQUIREMENTS"
7.2.1	NO	RS-6XX B. CURRENT WAS APPROVED AT MAX OF 82 MA. RS-6 REQUIREMENT STATES 75 MA
7.3	-	"MECHANICAL REQUIREMENTS"
7.3.1	YES	DIMENSIONS ARE WITHIN SPECIFICATIONS
7.3.2	YES	UNIT LAID OUT AS SPECIFIED
7.3.2.1	YES	STORAGE COMPARTMENT USED AS SPECIFIED.
7.3.2.2	YES	" " PROVIDED WITH COVER.
7.3.4	YES	CABLE CLAMPS ARE PROVIDED.
7.3.5	YES	"COMPONENT ASSEMBLY" COMPONENT ASSEMBLY MEETS INTENT OF PARA.
7.3.6		<del>RECEIVE</del> RECEIVE - BREAK-IN SWITCH PROVIDED



PARA	MEET YES NO	COMMENT.
7.3.78	-	"FINISH"
7.3.7.1	YES	CASE TREATED TO PREVENT CORROSION
7.3.7.2	YES	PAINT RIGHT COLOR & ANADIZE
7.4	-	"ELECTRICAL CHARACTERISTICS OF RA-6"
7.4.1	-	"PLUGS AND SOCKETS"
7.4.1.1	YES	PLUGS AND SOCKETS ACCORDING TO SPECS.
7.4.1.2	YES	GN-5B PLUG CORRECT
7.4.2	YES	SUITABLE FILTERS ARE PROVIDED
7.4.3	YES	INTERLOCK SYSTEM IS PROVIDED.
7.4.4	-	DRAWINGS INCLUDING <del>AND</del> 7.4.5
7.5	-	REQUIREMENTS RS-6A.