

SRR-5 DATA SHEET  
 Serial No. \_\_\_\_\_

		Test and Acceptance Date _____	Cargo Date _____	Field Date _____
MEASUREMENT		SPECIFICATION		
1. Headset Audio				
Frequency Response	300 Hz	$3 \pm 1.5$ db down		
	5 KHz	$3 \pm 1.5$ db down		
Distortion		$\leq 3\%$		
Maximum Output		$\geq 4\text{mW}$ (6dbm)		
2 Fixed Audio				
Frequency Response	300 Hz	$3 \pm 1.5$ db down		
	7.5 KHz	$3 \pm 1.5$ db down		
Distortion		$\leq 5\%$		
Output Level		$\geq 0.6\text{VRMS}$		
Compression Characteristics		$\leq 6$ db change		
3 Video				
Frequency Response	300 Hz	$< 3$ db down		
	100 KHz	$< 3$ db down		
Distortion		$\leq 5\%$		
Output Level		$\geq 10$ mVRMS		
4 Receiver Bandwidths				
Narrow Band 3 db down	High (KHz)			
	Low (KHz)			
	Bandwidth (KHz)	$80 \pm 3$ KHz		
$\frac{60\text{-db-Bandwidth}}{3 \text{ db Bandwidth}}$		$\leq 5.4$		
Wide Band 3 db down	High (KHz)			
	Low (KHz)			
	Bandwidth	$300 \pm 45$ KHz		
$\frac{60 \text{ db Bandwidth}}{3 \text{ db Bandwidth}} =$		$\leq 9.0$		

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MEASUREMENT		SPECIFICATION			
5. Sensitivity, Low Band					
FM, Narrowband	55 MHz	$\leq 0.7$ uV			
	55 MHz	$\leq 0.8$ uV			
FM, Wide	100 MHz	$\leq 1.3$ uV			
FM, Narrow	100 MHz	$\leq 0.7$ uV			
Quieting, Wide	100 MHz	$\leq 1.5$ uV			
Quieting, Narrow	100 MHz	$\leq 0.9$ uV			
AM, Wide	100 MHz	$\leq 0.8$ uV			
CW, Wide	100 MHz	$\leq 0.4$ uV			
FM, Narrow	150 MHz	$\leq 0.7$ uV			
AM, Wide	150 MHz	$\leq 0.8$ uV			
FM, Narrow	200 MHz	$\leq 0.7$ uV			
AM, Wide	200 MHz	$\leq 0.8$ uV			
5.1 Sensitivity, High Band					
FM, Narrow	200 MHz	$\leq 0.9$ uV			
AM, Wide	200 MHz	$\leq 1.0$ uV			
FM, Wide	300 MHz	$\leq 1.7$ uV			
FM, Narrow	300 MHz	$\leq 0.9$ uV			
Quieting, Wide	300 MHz	$\leq 2.0$ uV			
Quieting, Narrow	300 MHz	$\leq 1.2$ uV			
AM, Wide	300 MHz	$\leq 1.0$ uV			
CW, Wide	300 MHz	$\leq 0.5$ uV			

SRR-5 DATA SHEET (CONT.)

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MEASUREMENT		SPECIFICATION			
5.1 Sensitivity, High Band, (cont.)					
Quieting, Narrow	400 MHz	$\leq 1.2$ uV			
AM, Wide	400 MHz	$\leq 1.0$ uV			
6.0 AGC, Low Band					
Input 10 uV Output 0 dbm	100 MHz 100 MHz	Maximum output  change			
Input 100,000 uV Output _____	100 MHz 100 MHz	$\leq 6$ db			
6.1 AGC High Band					
Input 10 uV Output 0 dbm	300 MHz 300 MHz	Maximum output  change			
Input 100,000 uV Output _____	300 MHz 300 MHz	$< 6$ db			
7.0 FM Limiting, Low Band					
Input 10 uV Output 0 dbm	100 MHz 100 MHz	Maximum output  change			
Input 100,000 uV Output _____	100 MHz 100 MHz	$< 2$ db			
7.1 FM Limiting, High Band					
Input 10 uV Output 0 dbm	200 MHz 200 MHz	Maximum output  change			
Input 100,000 uV Output _____	200 MHz 200 MHz	$< 2$ db			
8.0 AFC, Low Band, 55 mc					
High					
Low					
Difference		$> 1,400$ KHz			

SRR-5 DATA SHEET (CONT.)

Q			Test and Acceptance Date _____	Cargo Date _____	Field Date _____
MEASUREMENT		SPECIFICATION			
8.1 AFC (CONT.), High Band, 205 mc					
High Low Difference		>2,300 kc			
9.0 IF Rejection, Low Band, 57 mc					
AM Sensitivity	55 mc				
AM Sensitivity	16.5 mc				
Difference		>80 db			
9.1 IF Rejection, High Band, 206 mc					
AM Sensitivity	200 mc				
AM Sensitivity	16.5 mc				
Difference		>80 db			
10.0 Spurious and Image Rejection, Low Band					
Sensitivity (Taken from 5.0)	55 mc				
Image Sens	55 mc				
Image Rej	55 mc	>60dbm			
Sensitivity (Taken from 5.0)	200 mc				
Image Sens	200 mc				
Image Rej	200 mc	>45dbm			
10.1 Spurious and Image Rejection, High Band					
Sensitivity (Taken from 5.0)	200 mc				
Image Sens	200 mc				
Image Rej	200 mc	>40dbm			
Sensitivity (Taken from 5.0)	400 mc				
Image Sens	400 mc				
Image Rej	400 mc	>35dbm			

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MEASUREMENT	SPECIFICATION			
11.0 Desensitization, Low Band, 200 MHz Reference Level: -93 dbm				
Desensitizing Signal Level				
Difference( from -93)	>80 db			
11.1 Desensitization, High Band, 200 MHz Reference Level: -93 dbm				
Desensitizing Signal Level				
Difference (from -93)	>80 db			
12 Relays				
RF Relay				
Relay closes at	< 8 uV			
Audio Relay				
Relay closes at ____% modulation	<20%			
Delay in opening____sec.	> 15 sec.			
13 Check S-Meter				
14 Check Tuning Meter				
15 Calibration Signals Present				

CHECKED BY \_\_\_\_\_  
DATE \_\_\_\_\_