

2. GENERAL SPECIFICATIONS

Transmitter.....	CPU
Controlled PLL Synthesizer	
Receiver.....	CPU Controlled double conversion, super heterodyne system
Operating Frequencies.....	CH 1: 462.5625 MHz ~ CH 14: 467.7125 MHz
	CH 15: 462.5500 MHz ~ CH 22: 462.7250 MHz
Battery Life.....	Alkaline Batteries 36 hours (typical)
NiCd Batteries	10 hours (typical)
Battery.....	4.5 V DC @400 mAH
Alkaline Batteries	
Test	
Temperature.....	
.....25°C	
Frequency	
Stability.....	0.0 025%
Transmitter/Receiver	
Switching.....	Electrical

3. RECEIVER SPECIFICATIONS

TEST ITEM	UNIT	NOMINAL	LIMIT
1. SENSITIVITY			
FOR 12 dB SINAD	dBm	-119	-115
FOR CALL SIG DETECTION	dBm	-119	-115
2. MAX. AUDIO OUTPUT @ 10% THD	mW	200	150mW
3. MAX. S/N RATIO @ 1 mV RF INPUT	dB	35	25
4. SQUELCH			
a) SENSITIVITY	dBm	-119	-115
b) ATTACK TIME	mS	150	250
c) CLOSING TIME	mS	200	
5. AUDIO FREQUENCY RESP.			
@ 300 Hz	dB	-3	-6 ~ 0
@ 2500 Hz	dB	-10	-13 ~ -7
6. SIGNAL DISPLACEMENT BW.	±kHz	5	
7. ADJACENT CH. REJECTION	dB	55	50
8. INTERMODULATION REJECTION	dB	55	50
9. SPURIOUS RESPONSE REJECTION	dB	55	50
10. Intermediate Frequency			
1 st			
IF.....			
21.7 MHz			
2 nd			
IF.....			
450 KHz			

4. TRANSMITTER SPECIFICATIONS

TEST ITEM	UNIT	NOMINAL	LIMIT
1. POWER			
- GMRS	mW	1500	1200 ~ 1800
- FRS	mW	500	400 ~ 600
2. CARRIER FREQUENCY STABILITY	±Hz	300	1000
3. MODULATION LIMITING	kHz	2.3	2.0 ~ 2.5
4. CARRIER ATTACK TIME	mS	150	
5. AUDIO FREQUENCY RESPONSE	dB	-10	-13 ~ -7
@ 300 Hz	dB	+4	+1 ~ +7
@ 2500 Hz			
6. AUDIO DISTORTION	%	3	5
7. HUM NOISE	dB	35	25
8. TRANSIENT FREQUENCY BEHAVIOR	mS	30	
a) TX ON	mS	5	
b) TX OFF			