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℃
Frequency
Stability.....0.0025%
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			
1st IF.....			
21.7 MHz			
2nd 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			