

CLASSIFICATION UNCLASSIFIED				PAGE of Pages	
RECEIVER EQUIPMENT CHARACTERISTICS					
1. NOMENCLATURE, MANUFACTURER'S MODEL NO. MHX920A-FT			2. MANUFACTURER'S NAME Microhard Systems Inc.		
3. RECEIVER INSTALLATION			4. RECEIVER TYPE FM		
5. TUNING RANGE 902.4-927.6 MHz			6. METHOD OF TUNING Synthesis PLL		
7. RF CHANNELING CAPABILITY 902.4 to 927.6 MHz in 280kHz increments @ 230.4 kbps			8. EMISSION DESIGNATOR(S) FM Modulated Receiver		
9. FREQUENCY TOLERANCE < 3 PPM					
10. IF SELECTIVITY	1st	2nd	3rd	11. RF SELECTIVITY (X and complete as applicable) X CALCULATED ☐ MEASURED	
a. -3 dB	400 KHz	400 KHz	N/A	a. -3 dB 35 MHz	
b. -20 dB	622 KHz	740 KHz	N/A	b. -20 dB 55 MHz	
c. -60 dB	<1.2 MHz	1.6 MHz	N/A	c. -60 dB N/A	
12. IF FREQUENCY				d. Preselection Type Front end LC Filter	
a. 1 st 243.95 MHz				13. MAXIMUM POST DETECTION FREQUENCY 120kHz	
b. 2 nd 10.7 MHz				14. MINIMUM POST DETECTION FREQUENCY	
c. 3 rd N/A				16. MAXIMUM BIT RATE 230.4 Kbps	
15. OSCILLATOR TUNED	1st	2nd	3rd	17. SENSITIVITY	
a. ABOVE TUNED FREQUENCY				a. SENSITIVITY -108 dBm	
b. BELOW TUNED FREQUENCY				b. CRITERIA 115.2 kbps @ 10 ⁻⁴ BER or better	
c. EITHER ABOVE OR BELOW THE FREQUENCY				c. NOISE FIG < 4 dB	
18. DE-EMPHASIS (X one) ☐ a. YES X b. NO				d. NOISE TEMP Kelvin	
19. IMAGE REJECTION -50dBc				20. SPURIOUS REJECTION -50 dBc	
21. REMARKS					