

CLASSIFICATION UNCLASSIFIED		PAGE of Pages										
TRANSMITTER EQUIPMENT CHARACTERISTICS												
1. NOMENCLATURE, MANUFACTURER'S MODEL NO. MHX920A-FT	2. MANUFACTURER'S NAME Microhard Systems Inc.											
3. TRANSMITTER INSTALLATION	4. TRANSMITTER 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) 280KF1D @ 230.4 kbps											
9. FREQUENCY TOLERANCE < 3 PPM	12. EMISSION BANDWIDTH (X and complete as applicable) ☐ CALCULATED ☒ MEASURED <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">a. -3 dB</td> <td style="text-align: right;">177 KHz</td> </tr> <tr> <td>b. -20 dB</td> <td style="text-align: right;">261 KHz</td> </tr> <tr> <td>c. -40 dB</td> <td style="text-align: right;">553 KHz</td> </tr> <tr> <td>d. -60 dB</td> <td style="text-align: right;">2.90 MHz</td> </tr> <tr> <td>e. OC-BW</td> <td></td> </tr> </table>		a. -3 dB	177 KHz	b. -20 dB	261 KHz	c. -40 dB	553 KHz	d. -60 dB	2.90 MHz	e. OC-BW	
a. -3 dB			177 KHz									
b. -20 dB			261 KHz									
c. -40 dB	553 KHz											
d. -60 dB	2.90 MHz											
e. OC-BW												
10. FILTER EMPLOYED (X one) X a. YES ☐ b. NO												
11. SPREAD SPECTRUM (X one) X a. YES ☐ b. NO	15. MAXIMUM MODULATION FREQUENCY 115.2 kHz											
13. MAXIMUM BIT RATE 230.4 kbps	17. DEVIATION RATIO 1											
14. MODULATION TECHNIQUES AND CODING Continuous Phase FSK	18. PULSE CHARACTERISTICS N/A (frequency modulated)											
16. PRE-EMPHASIS (X one) ☐ a. YES X b. NO	19. POWER <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">a. MEAN</td> <td style="text-align: right;">up to 1W</td> </tr> <tr> <td>b. PEP</td> <td style="text-align: right;">up to 1W</td> </tr> </table>		a. MEAN	up to 1W	b. PEP	up to 1W						
a. MEAN	up to 1W											
b. PEP	up to 1W											
20. OUTPUT DEVICE Advanced Gallium Arsenide HBT	21. HARMONIC LEVEL <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">a. 2nd</td> <td style="text-align: right;">< -35 dBm</td> </tr> <tr> <td>b. 3rd</td> <td style="text-align: right;">< -45 dBm</td> </tr> <tr> <td>c. OTHER</td> <td style="text-align: right;">< - 35 dBm</td> </tr> </table>		a. 2nd	< -35 dBm	b. 3rd	< -45 dBm	c. OTHER	< - 35 dBm				
a. 2nd	< -35 dBm											
b. 3rd	< -45 dBm											
c. OTHER	< - 35 dBm											
22. SPURIOUS LEVEL -60 dBc	23. FCC TYPE ACCEPTANCE NO. Part 15.247 NS905P20											
24. REMARKS Microhard Systems Inc., #17 2135-32 nd Avenue NE Calgary, AB, T2E 6Z3, Canada Phone: (403) 248-0028 Fax: (403) 248-2762 Attn: Hany Shenouda												
CLASSIFICATION UNCLASSIFIED												