

FULL RECORD PRINT FOR Receiver

RECEIVER MM2-EX Family

Nomenclature : (U) MM2-EX Family
Other Nomenclature : (U) MM2-EX-P
Other Nomenclature : (U) MM2-EX-T
Manufacturer : (U) FREEWAVE INC

RxType : (U) Spread Spectrum Frequency Hopping
NTIA Approval Status : (U) Unapproved
Coordination ID : J/F 12
Date of Import : 4/9/2015 4:14:55 PM (GMT)
Date/Time Last Mod. : 4/7/2015 2:21:16 PM (GMT)
Freq. Stability : (U) 1.5ppm
Image Reject : (U) 70.0 dB
Oscillator Tuned : (U) Above
Tuning Method : (U) Digital Synthesizer
Maximum Bit Rate : (U) 0.154 Mbps

Frequencies

Tuned Frequency: (U) 902.2464 MHz - 927.8208 MHz

Tuning Increment: (U) 230.40 kHz

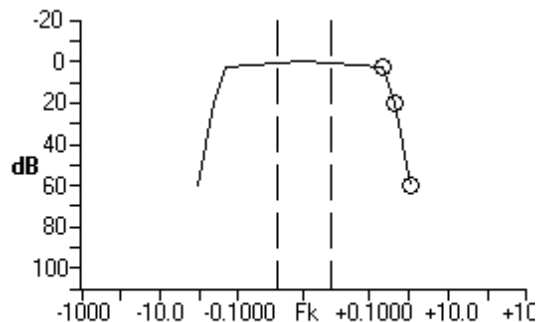
Sensitivities

Em. Designator : (U) 220KF1D
Necessary BW : (U) 0.22000 MHz
Perf. Crit. : (U) BER - Bit Error Rate

Perf. Value : (U) 0.0001
Sensitivity : (U) -103 dBm
Noise Fig. : (U) 3.39 dB
Noise Temp. : (U) 344 K
Spur. Reject : (U) 60.0 dB

Figure 1 - IF Selectivity Curve (U)

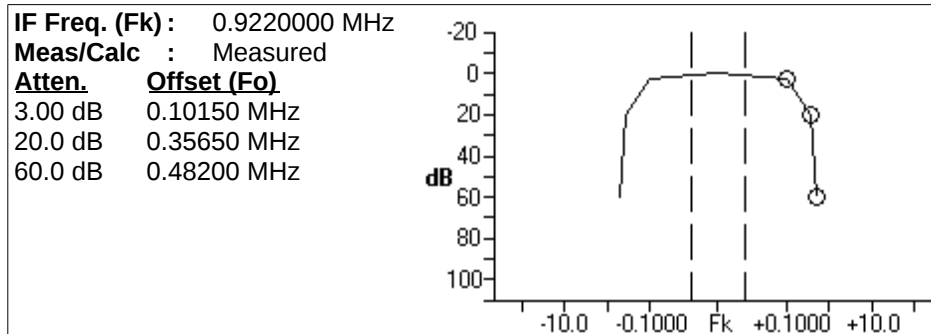
IF Freq. (Fk): 133.2000 MHz
Meas/Calc : Measured
Atten. **Offset (Fo)**
 3.00 dB 0.22500 MHz
 20.0 dB 0.43450 MHz
 60.0 dB 1.1250 MHz



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Figure 2 - IF Selectivity Curve (U)



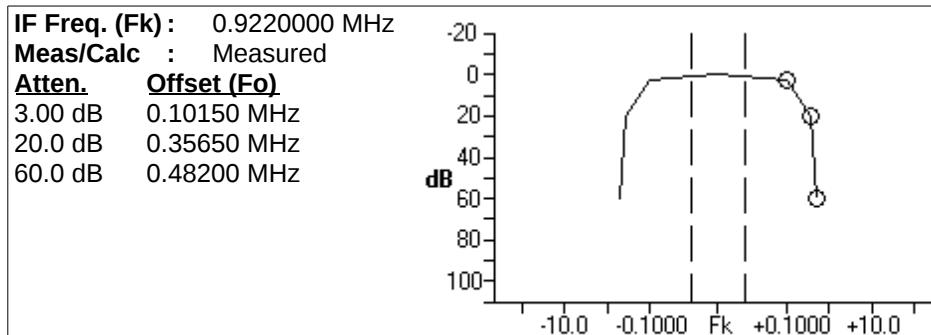
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Sensitivities

Em. Designator : (U) 210KF1D
Necessary BW : (U) 0.21000 MHz
Perf. Crit. : (U) BER - Bit Error Rate

Perf. Value : (U) 0.0001
Sensitivity : (U) -108 dBm
Noise Fig. : (U) 3.39 dB
Noise Temp. : (U) 344 K
Spur. Reject : (U) 60.0 dB

Figure 3 - IF Selectivity Curve (U)



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Figure 4 - IF Selectivity Curve (U)

IF Freq. (Fk): 133.2000 MHz

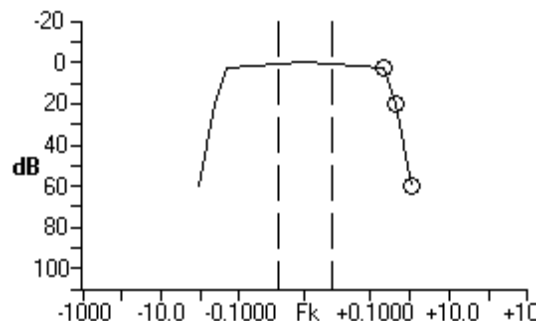
Meas/Calc : Measured

Atten. **Offset (Fo)**

3.00 dB 0.22500 MHz

20.0 dB 0.43450 MHz

60.0 dB 1.1250 MHz



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Figure 5 - RF Selectivity Curve (U)

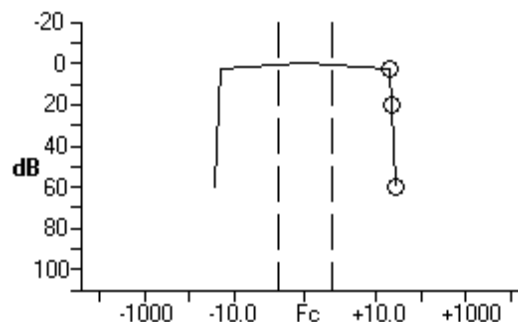
Meas/Calc : Measured

Atten. **Offset (Fo)**

3.00 dB 19.800 MHz

20.0 dB 22.400 MHz

60.0 dB 26.450 MHz



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Remark(s) (U)

(U) 1. General - The RF rate is selectable and affects the emissions and sensitivity so emission designators are include for both.

(U) 2. Item 10 - Additional match and baseband filtering is applied to the demodulation.