

6.7 Radiated Spurious Emissions Data -- Pursuant 47 CFR 2.1053, 2.1057, 90.210(g) and 90.691(a).

The method described in paragraph 7.3 was employed.

FCC Limits

Radiated spurious emissions shall be attenuated below the maximum level of emission of the carrier frequency in accordance with the following formula:

Spurious attenuation (dB) = $43 + 10 \log_{10} (P)$, P = Maximum Power output power setting in Watts.

NOTE 1: The following data reflects worst-case measurements taken on the unit, side orientation in this case.

NOTE 2: Spurious emissions are independent of modulation type. M-16QAM was used to obtain the results reported.

NOTE 3: All measurements were made with the module connected to evaluation board, which provides the DC power supply to the module and the serial communication port.

NOTE 4: Only the worst-case polarization is reported and emissions with margin of 20dB or more to the FCC limit are not reported.

NOTE 5: The radiated emissions have been measured at maximum and minimum power setting. At minimum power setting, all emissions equivalent dipole power were at least 20 dB below FCC limits and hence are not reported.

Description	Frequency (MHz)	Dipole equivalent measured Power (dBm)	Margin to FCC Spec (dB)
IF	154.65	< -33	> 20
2*IF	309.3	< -33	> 20
LO	960.6625	< -33	> 20
IF + LO	1115.3125	< -33	> 20
2 X Fund	1612.025	< -33	> 20
3 X Fund	2418.0375	-30.8	17.8
4 X Fund	3224.05	< -33	> 20
5 X Fund	4030.0625	< -33	> 20
6 X Fund	4836.075	-28	15
7 X Fund	5642.0875	< -33	> 20
8 X Fund	6448.1	< -33	> 20
9 X Fund	7254.1125	< -33	> 20
10 X Fund	8060.125	< -33	> 20

Table 6-7: Radiated emission, TX mode, 806.0125 MHz, Max power

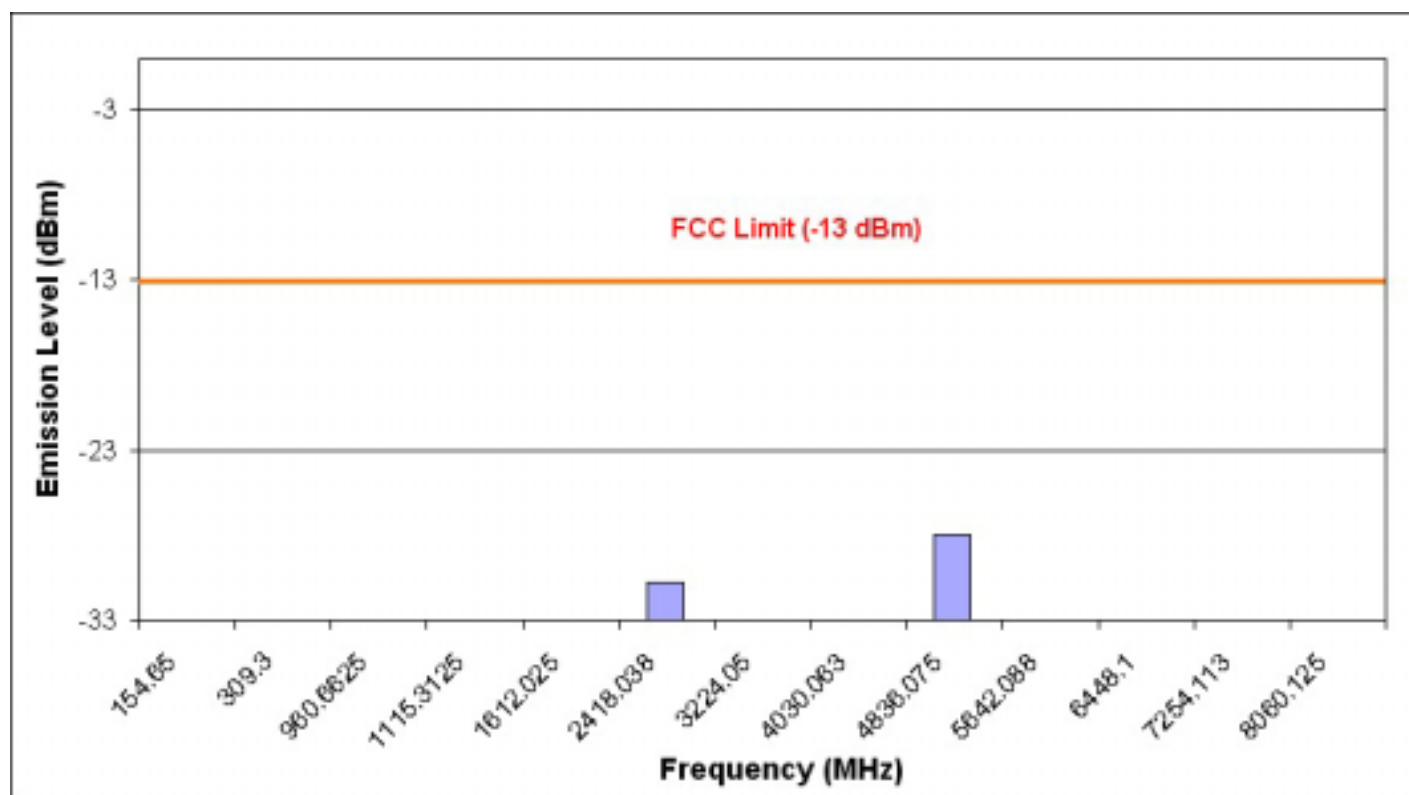


Figure 6-22: Radiated emission, TX mode, 813.0125 MHz, Max power setting

Description	Frequency (MHz)	Dipole equivalent measured Power (dBm)	Margin to FCC Spec (dB)
IF	154.65	< -33	> 20
2*IF	309.3	< -33	> 20
LO	968.1625	< -33	> 20
IF + LO	1122.8125	< -33	> 20
2 X Fund	1627.025	< -33	> 20
3 X Fund	2440.5375	-30.7	17.7
4 X Fund	3254.05	< -33	> 20
5 X Fund	4067.5625	< -33	> 20
6 X Fund	4881.075	-29.8	16.8
7 X Fund	5694.5875	< -33	> 20
8 X Fund	6508.1	< -33	> 20
9 X Fund	7321.6125	< -33	> 20
10 X Fund	8135.125	< -33	> 20

Table 6-8: Radiated emission, TX mode, 813.5125 MHz, Max power setting

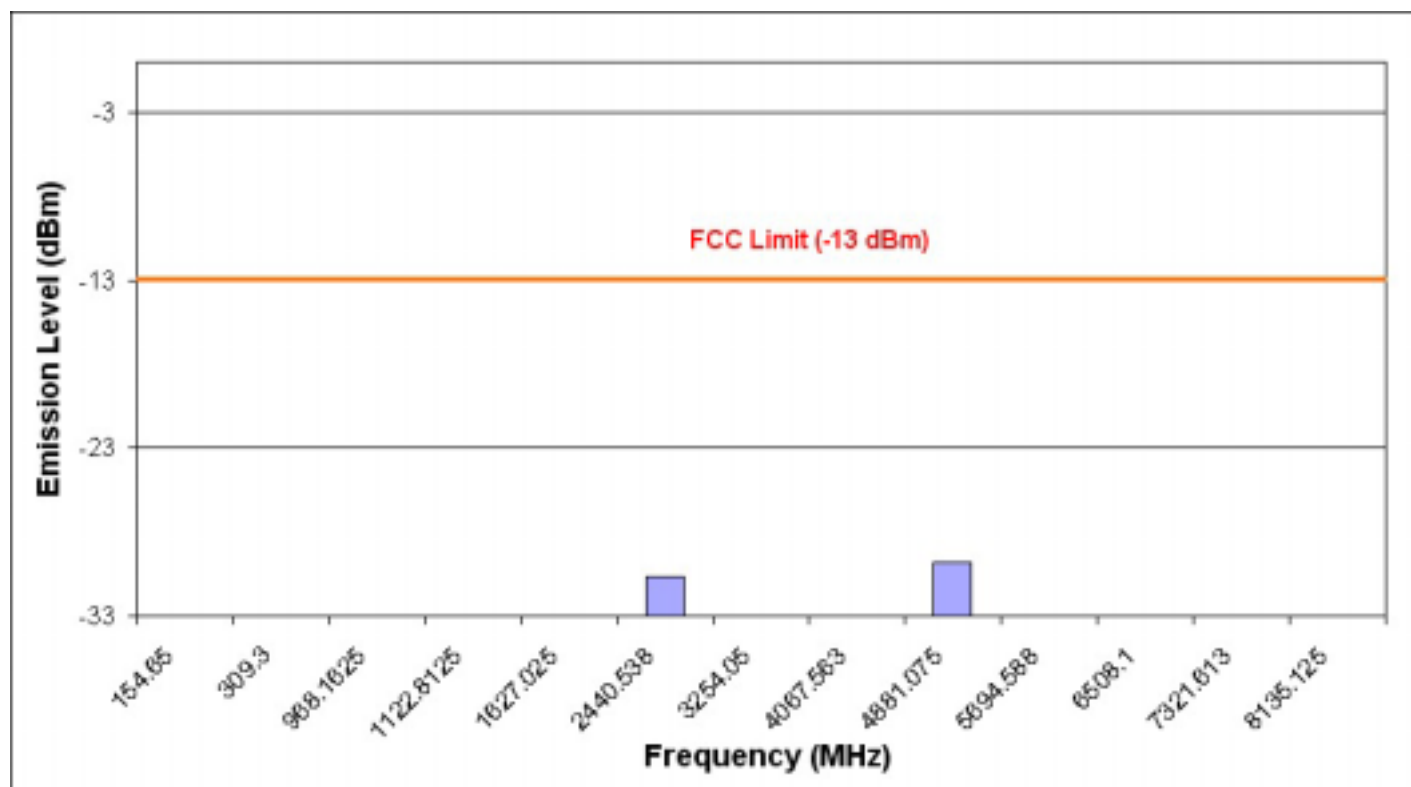


Figure 6-23: Radiated emission, TX mode, 813.0125 MHz, Max power setting

Description	Frequency (MHz)	Dipole equivalent measured Power (dBm)	Margin to FCC Spec (dB)
IF	154.65	< -33	> 20
2*IF	309.3	< -33	> 20
LO	979.6375	< -33	> 20
IF + LO	1134.2875	< -33	> 20
2 X Fund	1649.975	< -33	> 20
3 X Fund	2474.9625	-26.8	13.8
4 X Fund	3299.95	< -33	> 20
5 X Fund	4124.9375	-28.3	15.3
6 X Fund	4949.925	-29	16
7 X Fund	5774.9125	< -33	> 20
8 X Fund	6599.9	< -33	> 20
9 X Fund	7424.8875	< -33	> 20
10 X Fund	8249.875	< -33	> 20

Table 6-9: Radiated emission, TX mode, 824.9875MHz, Max power setting

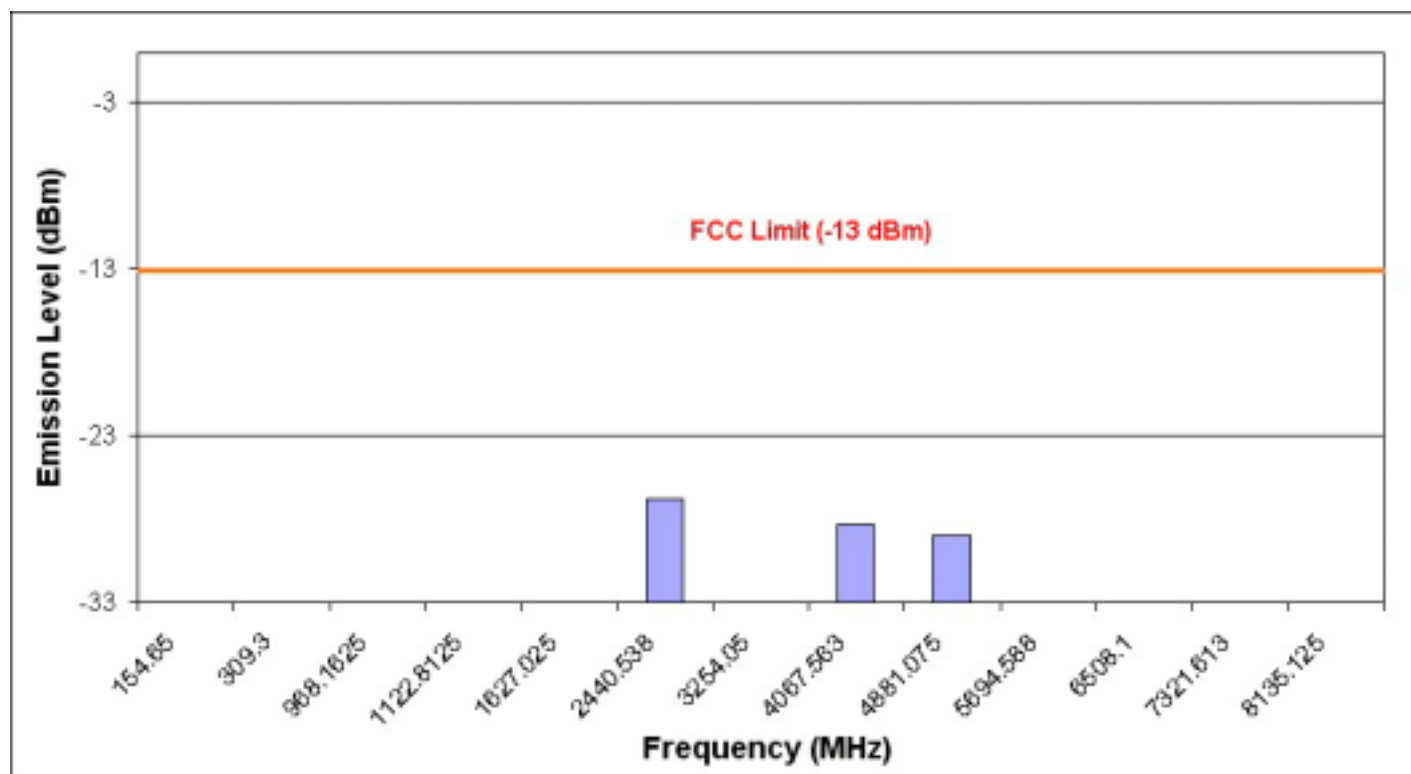


Figure 6-24: Radiated emission, TX mode, 824.9875 MHz, Max power setting