

6.4.2 Radiated Spurious Emissions Data -- Pursuant 47 CFR 2.1053, 2.1057

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 in dB = $43 + 10 \log_{10} (P)$

(Thus the effective limit is -13 dBm for any transmitter power level).

NOTE 1: The PA was tested at both maximum and minimum power output settings. The PA was tested at four frequencies within the transmit band.

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

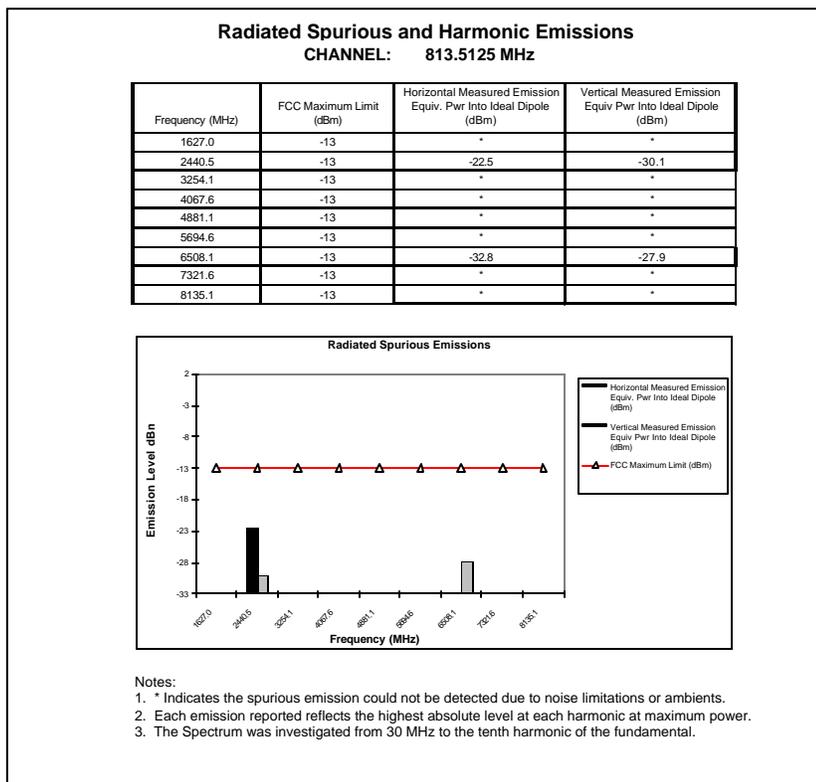
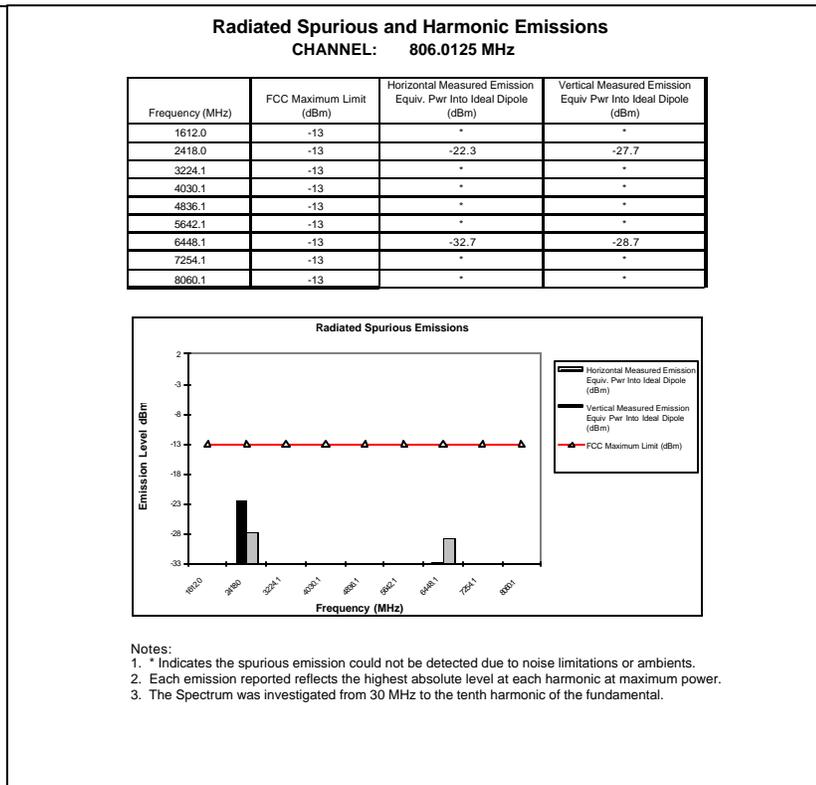
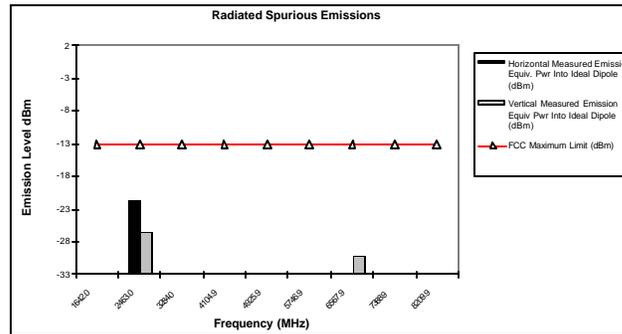


Figure 6.4.2-1: Radiated Spurious Emissions at 806.0125 and 813.5125 MHz (High Power Setting)

Radiated Spurious and Harmonic Emissions

CHANNEL: 820.9875 MHz

Frequency (MHz)	FCC Maximum Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1642.0	-13	*	*
2463.0	-13	-21.6	-26.6
3284.0	-13	*	*
4104.9	-13	*	*
4925.9	-13	*	*
5746.9	-13	*	*
6567.9	-13	*	-30.2
7388.9	-13	*	*
8209.9	-13	*	*

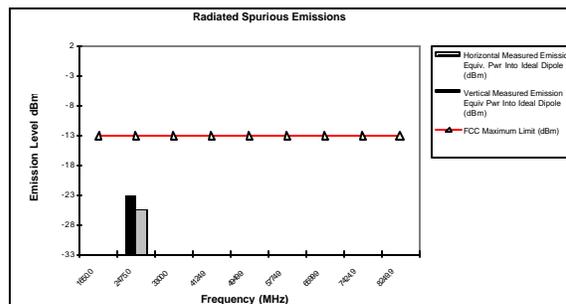


- Notes:
- * Indicates the spurious emission could not be detected due to noise limitations or ambients.
 - Each emission reported reflects the highest absolute level at each harmonic at maximum power.
 - The Spectrum was investigated from 30 MHz to the tenth harmonic of the fundamental.

Radiated Spurious and Harmonic Emissions

CHANNEL: 824.9875 MHz

Frequency (MHz)	FCC Maximum Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1650.0	-13	*	*
2475.0	-13	-23.0	-25.4
3300.0	-13	*	*
4124.9	-13	*	*
4949.9	-13	*	*
5774.9	-13	*	*
6599.9	-13	*	*
7424.9	-13	*	*
8249.9	-13	*	*



- Notes:
- * Indicates the spurious emission could not be detected due to noise limitations or ambients.
 - Each emission reported reflects the highest absolute level at each harmonic at maximum power.
 - The Spectrum was investigated from 30 MHz to the tenth harmonic of the fundamental.

Figure 6.4.2-2: Radiated Spurious Emissions at 820.9875 and 824.9875 MHz (High Power Setting)

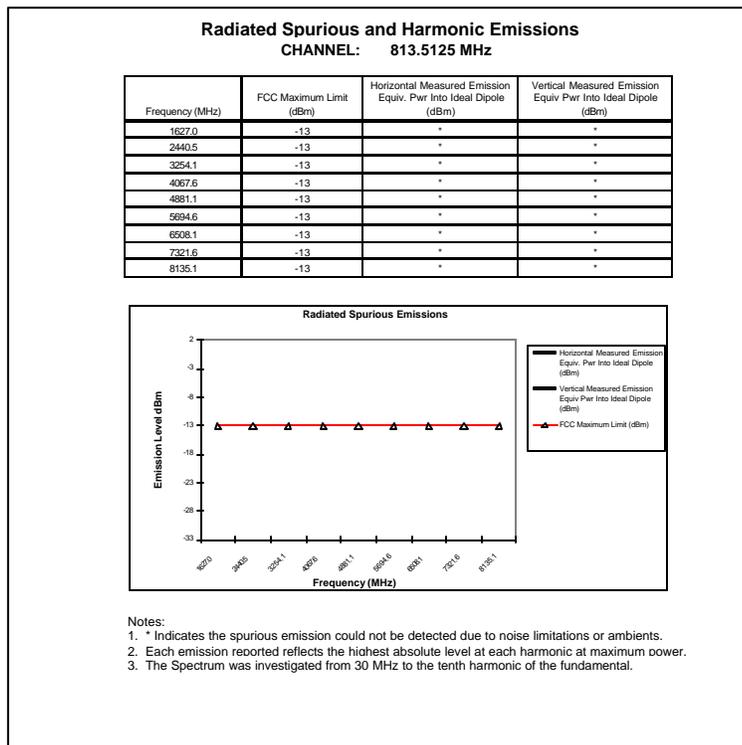
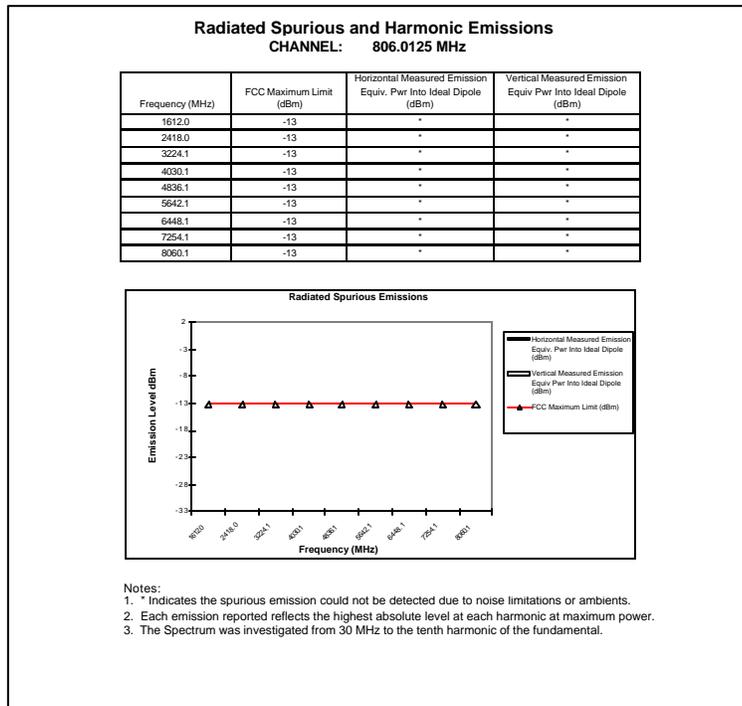


Figure 6.4.2-3: Radiated Spurious Emissions at 806.0125 and 813.5125 MHz (Low Power Setting)

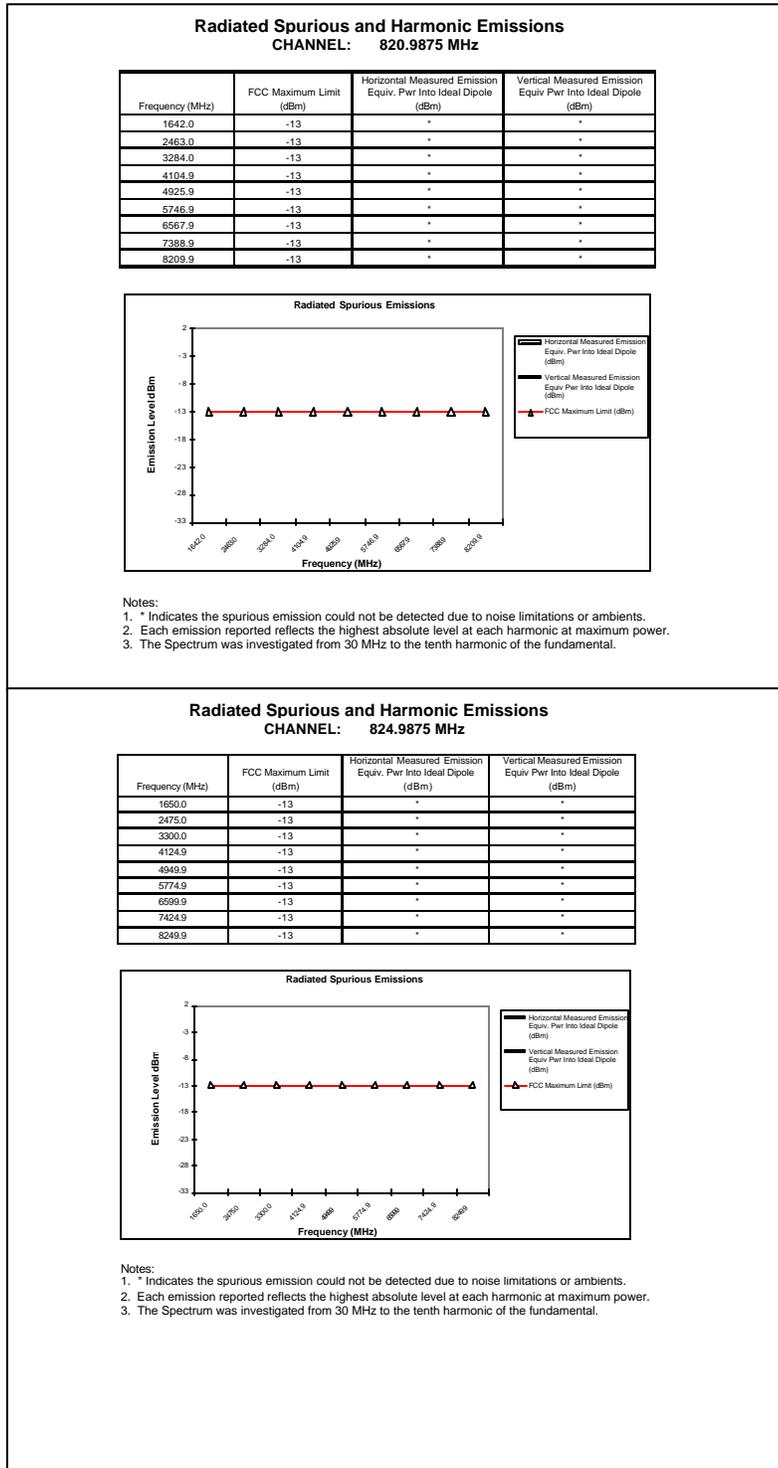


Figure 6.4.2-4: Radiated Spurious Emissions at 820.9875 and 824.9875 MHz (Low Power Setting)