

EXHIBIT 6b: MEASURED DATA – Pursuant 47 CFR 2.1041

6.4 Radiated Spurious Emissions -- Pursuant 47 CFR 2.1053, 2.1057, 90.210(g)(3), 90.691(a)(2), 15.247(c)

6.4.1 Cellular band Limits

Per 90.210(g)(3) and 90.691(a)(2), radiated spurious emissions shall be attenuated below the maximum level of emission of the carrier frequency in accordance with the following formula:

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

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

NOTE 1: Spurious emissions are dependent on the linearity of the Power Amplifier (U516) and are independent of modulation type or TDM interleaving. Thus, for the Cellular Band, emissions were tested with the radio set to Quad-16QAM.

	Harmonic Frequency (MHz)	FCC Limit (dBm)	Radiated Spur. Emiss. (dBm)	
Fund	806.0625	-13	34.74	^
2XFund	1612.1250	-13	-31.05	#
3XFund	2418.1875	-13	-33.38	#
4XFund	3224.2500	-13	*	#
5XFund	4030.3125	-13	-34.62	#
6XFund	4836.3750	-13	-35.76	#
7XFund	5642.4375	-13	-38.00	#
8XFund	6448.5000	-13	-36.42	#
9XFund	7254.5625	-13	-34.03	#
10XFund	8060.6250	-13	-31.25	#

*Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.
 ^ Setup: Log Periodic Antenna
 # Setup: Horn Antenna, 1.2 GHz Trilithic HP filter, microwave amplifier

Table 6-3 . Spurious emissions at 806.0625 (High power)

	Harmonic Frequency (MHz)	FCC Limit (dBm)	Radiated Spur. Emiss. (dBm)	
Fund	813.5625	-13	34.05	^
2xFund	1627.1250	-13	-32.80	#
3xFund	2440.6875	-13	-34.34	#
4xFund	3254.2500	-13	*	#
5xFund	4067.8125	-13	-32.44	#
6xFund	4881.3750	-13	-35.89	#
7xFund	5694.9375	-13	-33.00	#
8xFund	6508.5000	-13	-36.22	#
9xFund	7322.0625	-13	-33.86	#
10xFund	8135.6250	-13	-31.77	#
^ Setup: Log Periodic Antenna				

*Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

^ Setup: Log Periodic Antenna

Setup: Horn Antenna, 1.2 GHz Trilithic HP filter, microwave amplifier

Table 6- 4. Spurious emissions at 813.5625 (High power)

	Harmonic Frequency (MHz)	FCC Limit (dBm)	Radiated Spur. Emiss. (dBm)	
Fund	820.9875	-13	34.23	^
2xFund	1641.9750	-13	-34.38	#
3xFund	2462.9625	-13	-34.64	#
4xFund	3283.9500	-13	< -36	#
5xFund	4104.9375	-13	-34.40	#
6xFund	4925.9250	-13	-37.50	#
7xFund	5746.9125	-13	-34.63	#
8xFund	6567.9000	-13	-34.70	#
9xFund	7388.8875	-13	-33.07	#
10xFund	8209.8750	-13	-32.68	#
^ Setup: Log Periodic Antenna				

*Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

^ Setup: Log Periodic Antenna

Setup: Horn Antenna, 1.2 GHz Trilithic HP filter, microwave amplifier

Table 6-5 . Spurious emissions at 820.9875 (Low Power)

	Harmonic Frequency (MHz)	FCC Limit (dBm)	Radiated Spur. Emiss. (dBm)	
Fund	824.9875	-13	33.57	^
2xFund	1649.9750	-13	-33.98	#
3xFund	2474.9625	-13	-34.42	#
4xFund	3299.9500	-13	*	#
5xFund	4124.9375	-13	-31.76	#
6xFund	4949.9250	-13	-35.79	#
7xFund	5774.9125	-13	-31.20	#
8xFund	6599.9000	-13	-36.97	#
9xFund	7424.8875	-13	-33.58	#
10xFund	8249.8750	-13	-32.86	#
^ Setup: Log Periodic Antenna				

*Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

^ Setup: Log Periodic Antenna

Setup: Horn Antenna, 1.2 GHz Trilithic HP filter, microwave amplifier

Table 6-6 . Spurious emissions at 824.9875 (Low Power)