

EXHIBIT 6b (Revised) : 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.

The following tables have been revised to show the final spurious emission results.

806.0625 MHz		Channel Spacing 25kHz S/N 364AEU128C	
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.1250	-13	<-36	-33.50
2418.1875	-13	<-36	<-36
3224.2500	-13	<-36	<-36
4030.3125	-13	<-36	-27.00
4836.3750	-13	*	<-36
5642.4375	-13	*	*
6448.5000	-13	*	*
7254.5625	-13	*	*
8060.6250	-13	*	*

*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 6-3-1 . Spurious emissions at 806.0625 (High power)

813.5625 MHz

Channel Spacing 25kHz | S/N 364AEU128C

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1627.1250	-13	<-36	<-36
2440.6875	-13	<-36	<-36
3254.2500	-13	<-36	<-36
4067.8125	-13	<-36	-27.41
4881.3750	-13	*	<-36
5694.9375	-13	*	*
6508.5000	-13	*	*
7322.0625	-13	*	*
8135.6250	-13	*	*

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

^ Setup: Log Periodic Antenna

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Table 6- 4-1. Spurious emissions at 813.5625 (High power)

820.9875 MHz

Channel Spacing 25kHz | S/N 364AEU128C

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1641.9750	-13	<-36	<-36
2462.9625	-13	<-36	<-36
3283.9500	-13	<-36	<-36
4104.9375	-13	<-36	-29.90
4925.9250	-13	*	<-36
5746.9125	-13	*	*
6567.9000	-13	*	*
7388.8875	-13	*	*
8209.8750	-13	*	*

*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 6-5-1. Spurious emissions at 820.9875 (High power)

824.9875 MHz

Channel Spacing 25kHz | S/N 364AEU128C

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1649.9750	-13	<-36	<-36
2474.9625	-13	<-36	<-36
3299.9500	-13	<-36	<-36
4124.9375	-13	<-36	-34.84
4949.9250	-13	*	<-36
5774.9125	-13	*	*
6599.9000	-13	*	*
7424.8875	-13	*	*
8249.8750	-13	*	*

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Table 6-6-1. Spurious emissions at 824.9875 (High power)

806.0625 MHz

Channel Spacing 25kHz | S/N 364AEU128C

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.1250	-13	<-36	<-36
2418.1875	-13	<-36	<-36
3224.2500	-13	<-36	<-36
4030.3125	-13	*	*
4836.3750	-13	*	*
5642.4375	-13	*	*
6448.5000	-13	*	*
7254.5625	-13	*	*
8060.6250	-13	*	*

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^ Setup: Log Periodic Antenna

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

Table 6-3-1 . Spurious emissions at 806.0625 (Low power)

813.5625 MHz

Channel Spacing 25kHz | S/N 364AEU128C

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1627.1250	-13	<-36	<-36
2440.6875	-13	<-36	<-36
3254.2500	-13	<-36	<-36
4067.8125	-13	*	*
4881.3750	-13	*	*
5694.9375	-13	*	*
6508.5000	-13	*	*
7322.0625	-13	*	*
8135.6250	-13	*	*

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1641.9750	-13	<-36	<-36
2462.9625	-13	-33.68	<-36
3283.9500	-13	<-36	<-36
4104.9375	-13	*	*
4925.9250	-13	*	*
5746.9125	-13	*	*
6567.9000	-13	*	*
7388.8875	-13	*	*
8209.8750	-13	*	*

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2474.9625	-13	*	<-36
3299.9500	-13	<-36	<-36
4124.9375	-13	*	*
4949.9250	-13	*	*
5774.9125	-13	*	*
6599.9000	-13	*	*
7424.8875	-13	*	*
8249.8750	-13	*	*

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