

Exhibit 6b: iDEN transmitter measured data -- pursuant 47 CFR. 2.1041

6b.1 Land Mobile Transmitter Power

The transmitter is a variable power type used in a SMR trunking system. Output power (as defined in 47 CFR 90.7) is dynamically controlled.

6b.2 Maximum Output Power Rating -- Pursuant 47 CFR 2.1033(c) (7) and 90.635(d)

Maximum output power rating: 640 milliwatts (28.06 dBm), pulse average power. Output power will vary from 0.088 to 640 mW (pulse average power).

Note 1: Nominal output power rating: 600 milliwatts (27.78 dBm) (Pulse average power).

Note 2: These ratings are compliant with the FCC maximum of 100 watts (50 dBm) for Mobile stations

Note 3: The term pulse average power is used to specify the power that would be measured during the intervals of recurrent TDM transmission pulses by an average responding RF power meter. Power expressed in this manner is independent of the TDM duty cycle, and facilitates RF system coverage analysis.

6b.3 Operating output power range -- Pursuant 47 CFR 2.1033(c) (6)

Maximum tuned output power will vary over a range of 640 milliwatts (maximum plus average power) to a minimum power of 39 dB below maximum tuned output power.

6b.4 DC power used by final amplifier device -- Pursuant 47 CFR 2.1033(c) (8)

In order to prevent the malfunctions that can occur due to directly measuring the DC characteristics of the final RF amplifying stage, data was obtained by measuring the entire radio DC current and is reported herein for the entire radio.

The DC current and the RF output power was measured with a special RF/DC test fixture set to supply the radio with the nominal battery voltage of 4.0 V. The characteristics were measured during a transmission pulse and are listed in the Table below.

Characteristics	800 MHz Band	
	maximum	minimum
DC Voltage (Volts)	4	4
DC Current (A)	2.1	0.590
Output Power (mW)	598	0.0891

Table 6b-1 iDEN transmitter DC characteristics

6b.5 Land Mobile Frequency Stability -- Pursuant 47 CFR 2.1055a (1) & 2.1055(d) 2

Frequency stability measurements were made as described in Exhibit 7. Because of the transmitter's dependence on the stability of the base station oscillator, it is not possible to provide stability data for this transmitter as is commonly supplied for certification per 47 CFR 2.1055 for a radio with a locally stabilized oscillator. The following data was collected in a setup comprising of a base station simulator and it represents the absolute frequency error of the transceiver under test versus the base station frequency reference.

TEMP	Frequency Error (Hz)	Time of the Measurement	PPM
-30	5	3/10/2006 @3:10 PM	0.006
-20	11	3/10/2006 @ 3:20 PM	0.014
-10	8	3/10/2006 @ 3:30 PM	0.010
0	42	3/10/2006 @ 3:40 PM	0.052
10	6	3/10/2006 @ 3:50 PM	0.007
20	6	3/10/2006 @ 4:02 PM	0.007
30	6	3/10/2006 @ 4:12 PM	0.007
40	10	3/10/2006 @4:22 PM	0.012
50	12	3/10/2006 @ 4:32 PM	0.015
60	54	3/10/2006 @ 4:42 PM	0.066
70	20	3/10/2006 @ 5:55PM	0.025

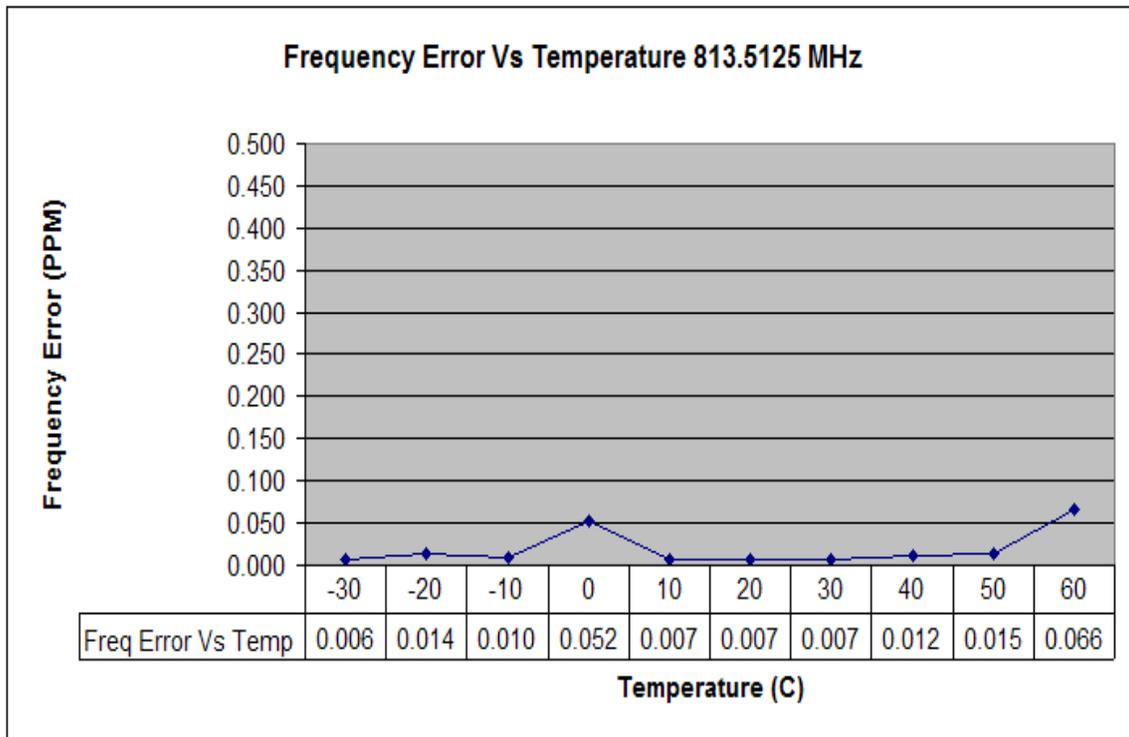


Figure 6b-1. iDEN transmitter frequency error vs. temperature

Power Supply Output Voltage	Frequency Error in Hz	Date and Time of the Measurement	PPM
3.6	8	3/10/2006 @ 5:27PM	0.010
3.7	9	3/10/2006 @ 5:27PM	0.011
3.8	8	3/10/2006 @ 5:27PM	0.010
3.9	10	3/10/2006 @ 5:27PM	0.012
4	11	3/10/2006 @ 5:27PM	0.014
4.1	11	3/10/2006 @ 5:27PM	0.014
4.2	10	3/10/2006 @ 5:27PM	0.012
4.3	9	3/10/2006 @ 5:27PM	0.011

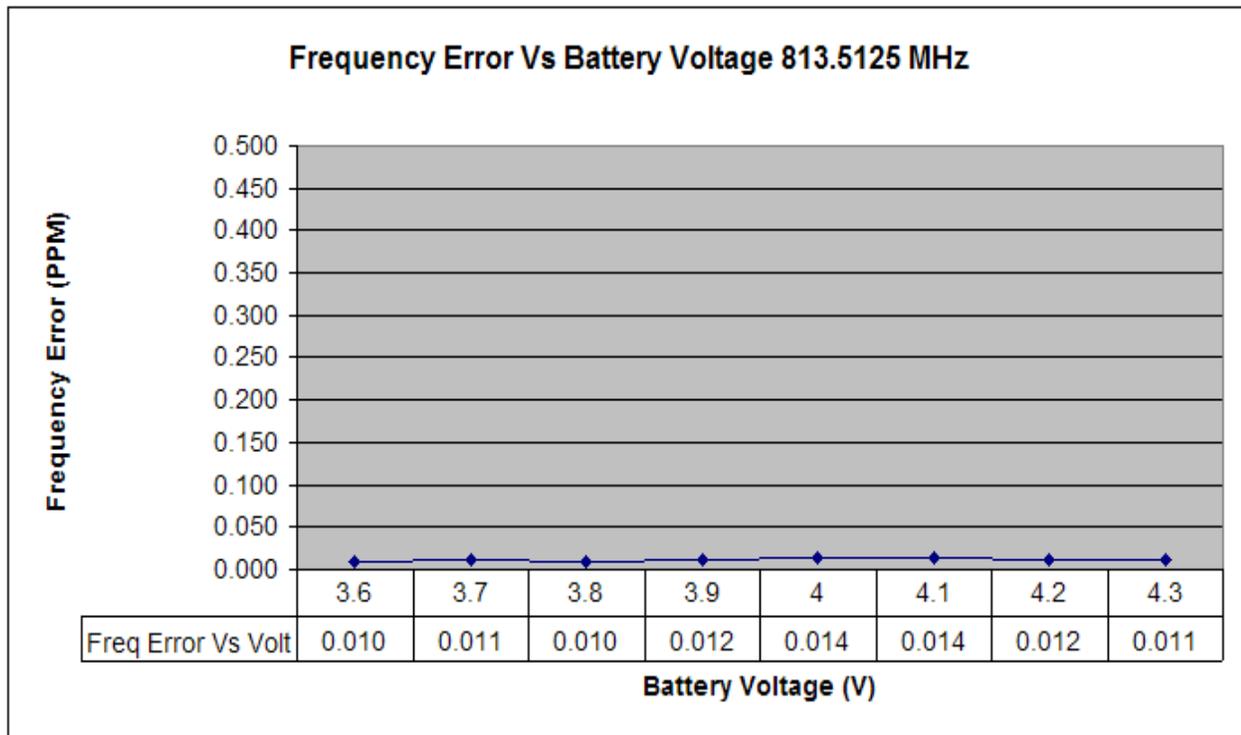


Figure 6b-2. iDEN transmitter frequency error vs. battery voltage

6b.6 Modulation characteristics and necessary bandwidth -- Pursuant 47 CFR 2.1033(c) 13, 2.1047(d) & 2.202

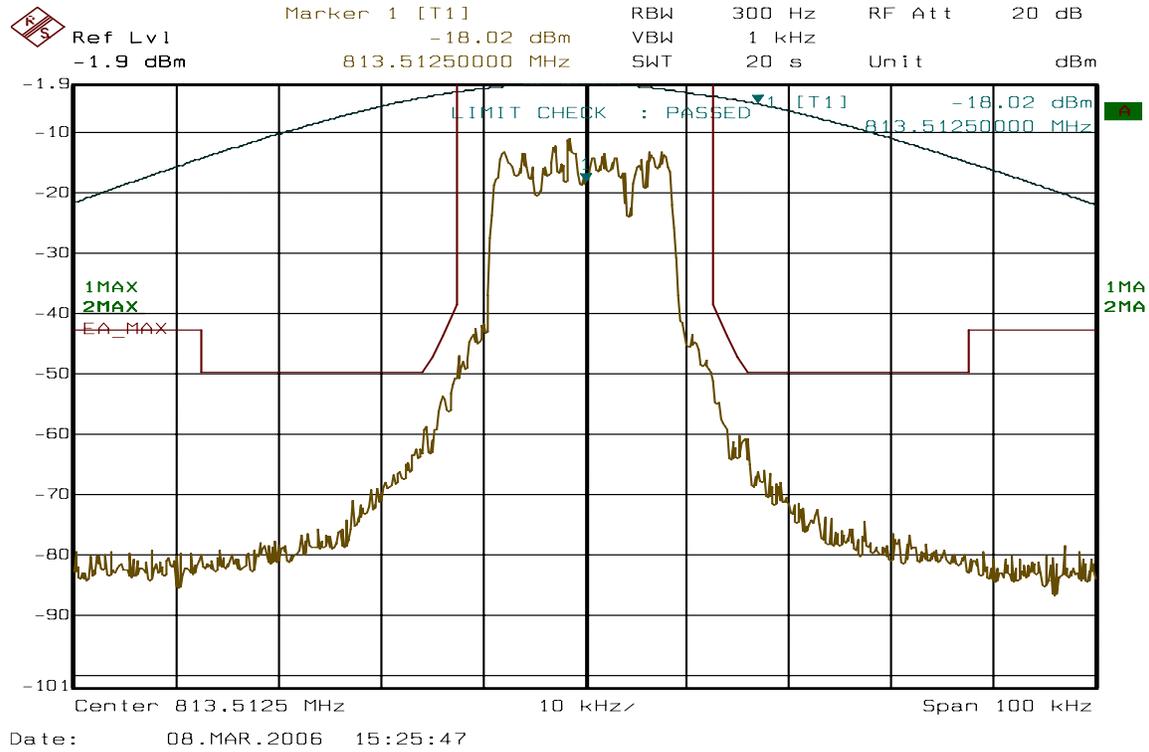


Figure 6b-3. iDEN transmitter at maximum power, EA emission mask

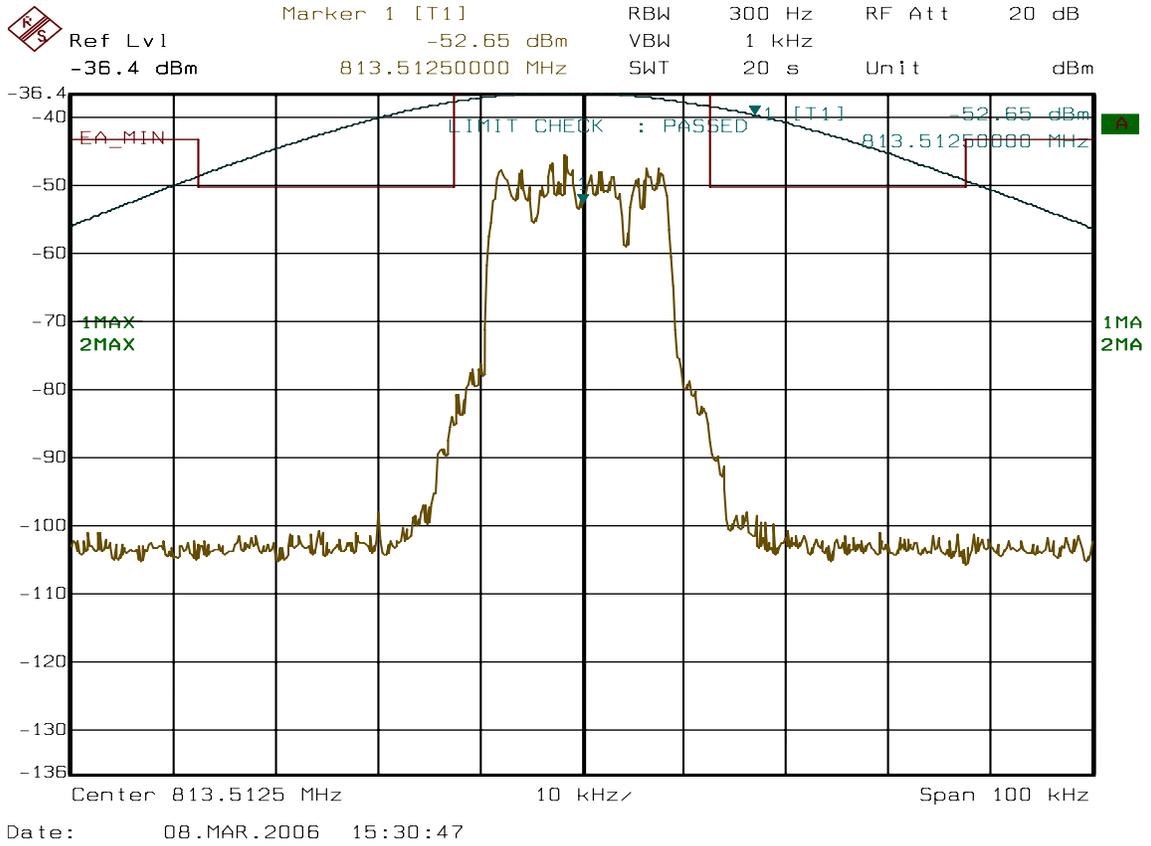


Figure 6b-4. iDEN transmitter at minimum power, EA emission mask

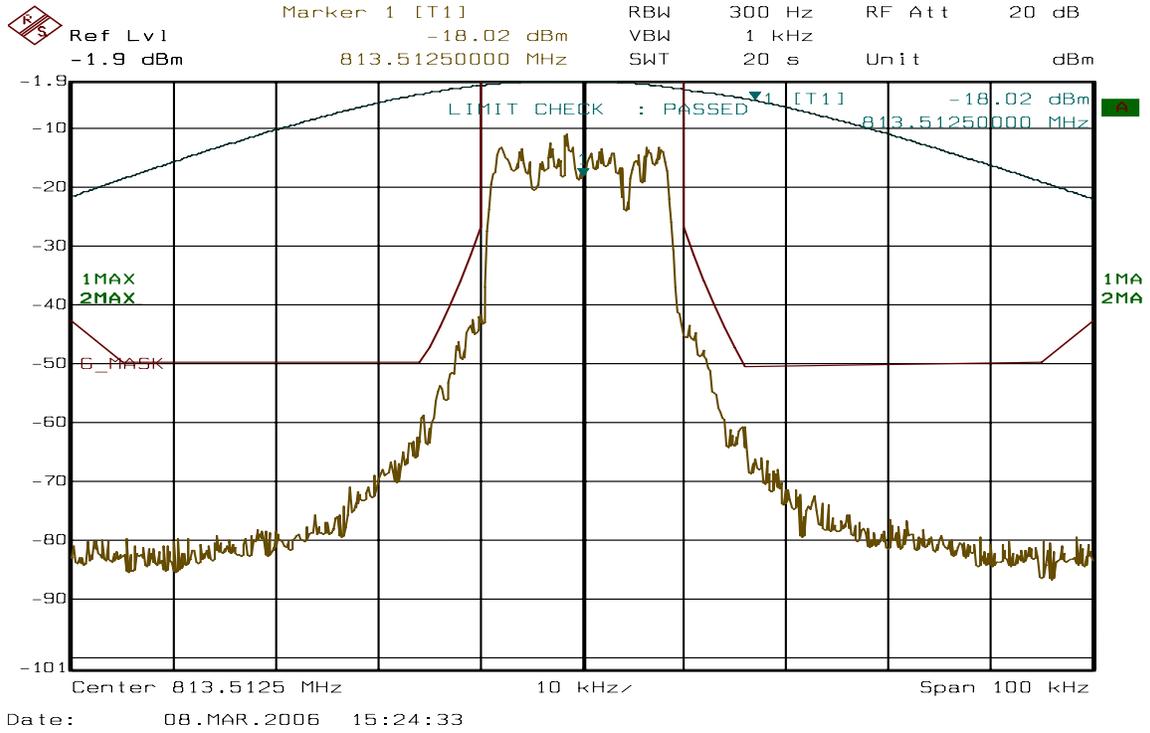


Figure 6b-3. iDEN transmitter at maximum power, emission mask G

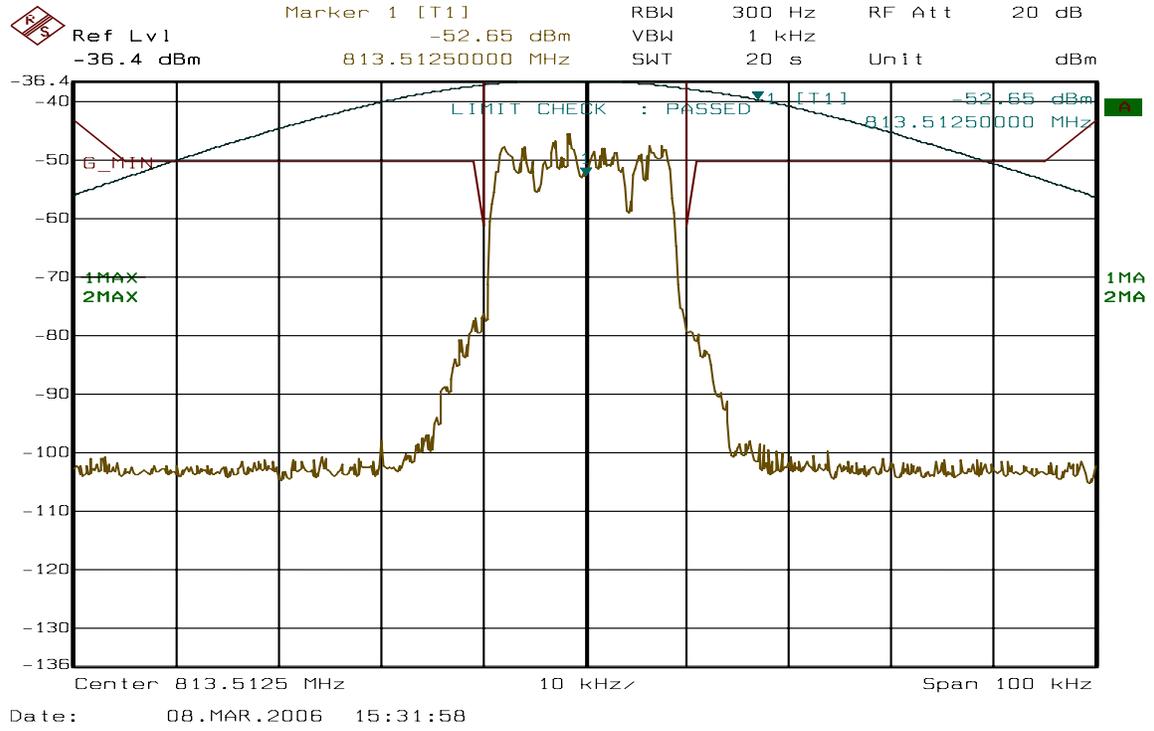
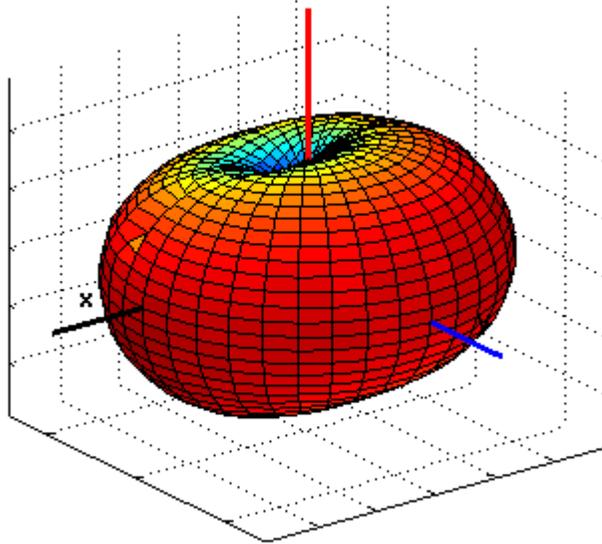


Figure 6b-4. iDEN transmitter at minimum power, emission mask G

6b.6 Effective Radiated Power (ERP) – Pursuant 15.247(b)(3)

Effective Radiated Power was measured in a 3D Anechoic Antenna Chamber.



800 MHz antenna radiation pattern SN:00JD FF FO Ext

TRP	26.8	dBm
EIRP	29.0	dBm
ERP	26.9	dBm
Conducted	28.1	dBm
Gain	-1.2	dBd
Phi	302	deg
Theta	112.5	deg

6b.7 Radiated spurious emissions – Pursuant 47 CFR 2.1053, 2.1057, 90.210(g)(3), 90.691(a)(2)

FCC 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:

Spurious attenuation in dB = 43 + 10 log₁₀ (P)
 (Thus the effective limit is -13 dBm for any transmitter power level).

NOTE 1: An asterisk (*) in the data indicates the spurious emission was less than -33 dBm or could not be detected due to noise limitations or ambients.

NOTE 2: Spurious emission levels were measured with the non-detachable antenna mounted on the radio product, as in intended use.

TX	806.0625	MHz	
DATE:	5/8/2006		
SN:	364AGG008P		
	Harmonic	FCC	Radiated
	Frequency	Limit	Spur. Emiss.
	(MHz)	(dBm)	(dBm)
Txfreq	806.0625	Horizontal Polarization	
2XFund	1612.1250	-13	*
3XFund	2418.1875	-13	*
4XFund	3224.2500	-13	*
5XFund	4030.3125	-13	*
6XFund	4836.3750	-13	*
7XFund	5642.4375	-13	*
8XFund	6448.5000	-13	-35.62
9XFund	7254.5625	-13	-33.13
10XFund	8060.6250	-13	-31.30
Txfreq	806.0625	Vertical Polarization	
2XFund	1612.1250	-13	*
3XFund	2418.1875	-13	*
4XFund	3224.2500	-13	*
5XFund	4030.3125	-13	*
6XFund	4836.3750	-13	*
7XFund	5642.4375	-13	*
8XFund	6448.5000	-13	*
9XFund	7254.5625	-13	-33.38
10XFund	8060.6250	-13	-31.00

TX	813.5625	MHz	
DATE:	5/8/2006		
SN:	364AGG008P		
	Harmonic	FCC	Radiated
	Frequency	Limit	Spur. Emiss.
	(MHz)	(dBm)	(dBm)
Txfreq	813.5625	Horizontal Polarization	
2XFund	1627.1250	-13	*
3XFund	2440.6875	-13	*
4XFund	3254.2500	-13	*
5XFund	4067.8125	-13	*
6XFund	4881.3750	-13	*
7XFund	5694.9375	-13	*
8XFund	6508.5000	-13	*
9XFund	7322.0625	-13	-34.26
10XFund	8135.6250	-13	-31.87
Fund	813.5625	-13	34.05
2XFund	1627.1250	-13	-28.80
3XFund	2440.6875	-13	-30.49
4XFund	3254.2500	-13	*
5XFund	4067.8125	-13	*
6XFund	4881.3750	-13	*
7XFund	5694.9375	-13	*
8XFund	6508.5000	-13	*
9XFund	7322.0625	-13	-34.06
10XFund	8135.6250	-13	-31.82

TX	820.9875	MHz	
DATE:	5/8/2006		
SN:	364AGG008P		
	Harmonic	FCC	Radiated
	Frequency	Limit	Spur. Emiss.
	(MHz)	(dBm)	(dBm)
Txfreq	820.9875	Horizontal Polarization	
2XFund	1641.9750	-13	*
3XFund	2462.9625	-13	*
4XFund	3283.9500	-13	*
5XFund	4104.9375	-13	*
6XFund	4925.9250	-13	*
7XFund	5746.9125	-13	*
8XFund	6567.9000	-13	-35.00
9XFund	7388.8875	-13	-32.02
10XFund	8209.8750	-13	-30.78
Txfreq	820.9875	Vertical Polarization	
2XFund	1641.9750	-13	*
3XFund	2462.9625	-13	*
4XFund	3283.9500	-13	*
5XFund	4104.9375	-13	*
6XFund	4925.9250	-13	*
7XFund	5746.9125	-13	*
8XFund	6567.9000	-13	*
9XFund	7388.8875	-13	-33.12
10XFund	8209.8750	-13	-32.98

TX	824.9875	MHz	
DATE:	5/8/2006		
SN:	364AGG008P		
	Harmonic	FCC	Radiated
	Frequency	Limit	Spur. Emiss.
	(MHz)	(dBm)	(dBm)
Txfreq	824.9875	Horizontal Polarization	
2XFund	1649.9750	-13	*
3XFund	2474.9625	-13	*
4XFund	3299.9500	-13	*
5XFund	4124.9375	-13	*
6XFund	4949.9250	-13	*
7XFund	5774.9125	-13	*
8XFund	6599.9000	-13	*
9XFund	7424.8875	-13	-33.23
10XFund	8249.8750	-13	-30.41
Txfreq	824.9875	Vertical Polarization	
2XFund	1649.9750	-13	*
3XFund	2474.9625	-13	*
4XFund	3299.9500	-13	*
5XFund	4124.9375	-13	*
6XFund	4949.9250	-13	*
7XFund	5774.9125	-13	*
8XFund	6599.9000	-13	*
9XFund	7424.8875	-13	-32.88
10XFund	8249.8750	-13	-32.63