

EXHIBIT 6

INDEX OF SUBMITTED MEASURED DATA

This exhibit contains the measured data for this equipment as follows:

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EXHIBIT 6A – RF Conducted Power Output Data – Pursuant 47 CFR 2.1046(a), 2.1033(c)(6), 2.1033(c)(7) and 2.1033(c)(8)

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device.

At High Power setting, Low Frequency 37 MHz:

Output RF power	132 Watts
DC Voltage	13.4 Volts
DC Current	17.6 Amps

At Nominal Power setting, Low Frequency 37 MHz:

Output RF power	119.3 Watts
DC Voltage	13.4 Volts
DC Current	16.2 Amps

At Low Power setting, Low Frequency 37 MHz:

Output RF power	53.4Watts
DC Voltage	13.4 Volts
DC Current	12.4 Amps

At High power setting, Medium Frequency 43.5 MHz:

Output RF power	131.8 Watts
DC Voltage	13.4 Volts
DC Current	17.25 Amps

At Nominal Power setting, Low Frequency 43.5 MHz:

Output RF power	118.9 Watts
DC Voltage	13.4 Volts
DC Current	17.6 Amps

At Low output power setting, Medium Frequency 43.5 MHz:

Output RF power	54.5 Watts
DC Voltage	13.6 Volts
DC Current	12.63Amps

At High power setting, High Frequency 50 MHz:

Output RF power	132 Watts
DC Voltage	13.4 Volts
DC Current	17.37 Amps

At Nominal Power setting, Low Frequency 50 MHz:

Output RF power	119.5 Watts
DC Voltage	13.4 Volts
DC Current	17.6 Amps

At Low power setting, High Frequency 50 MHz:

Output RF power	53.8 Watts
DC Voltage	13.4 Volts
DC Current	12.3 Amps

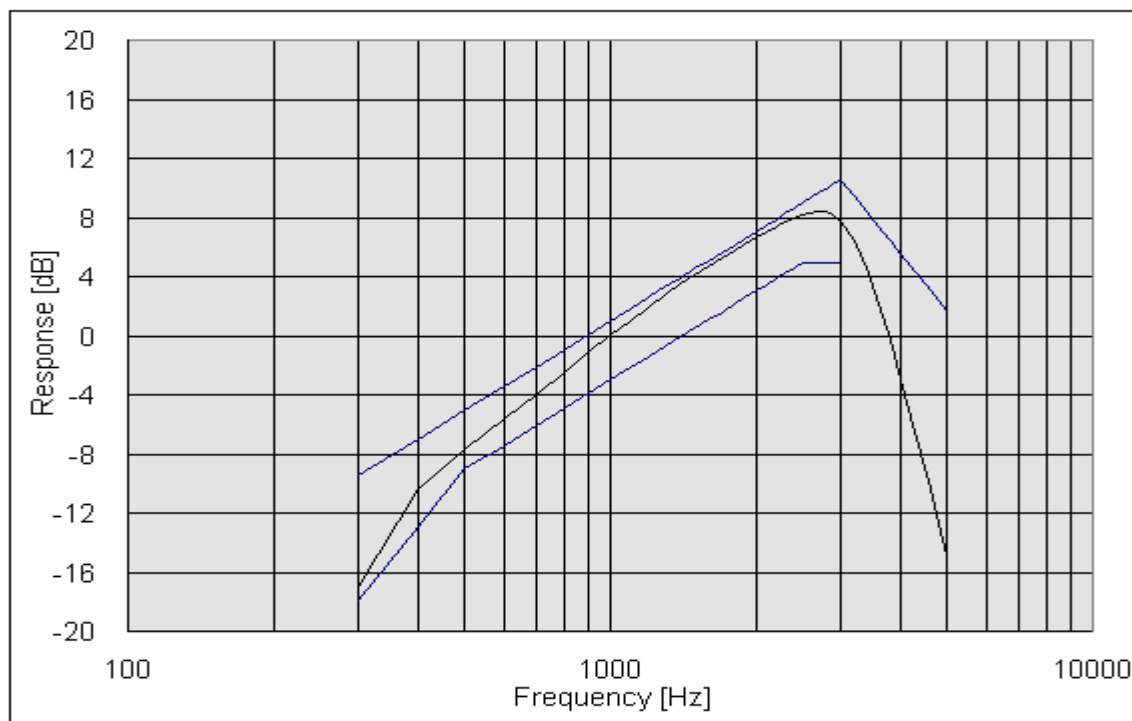
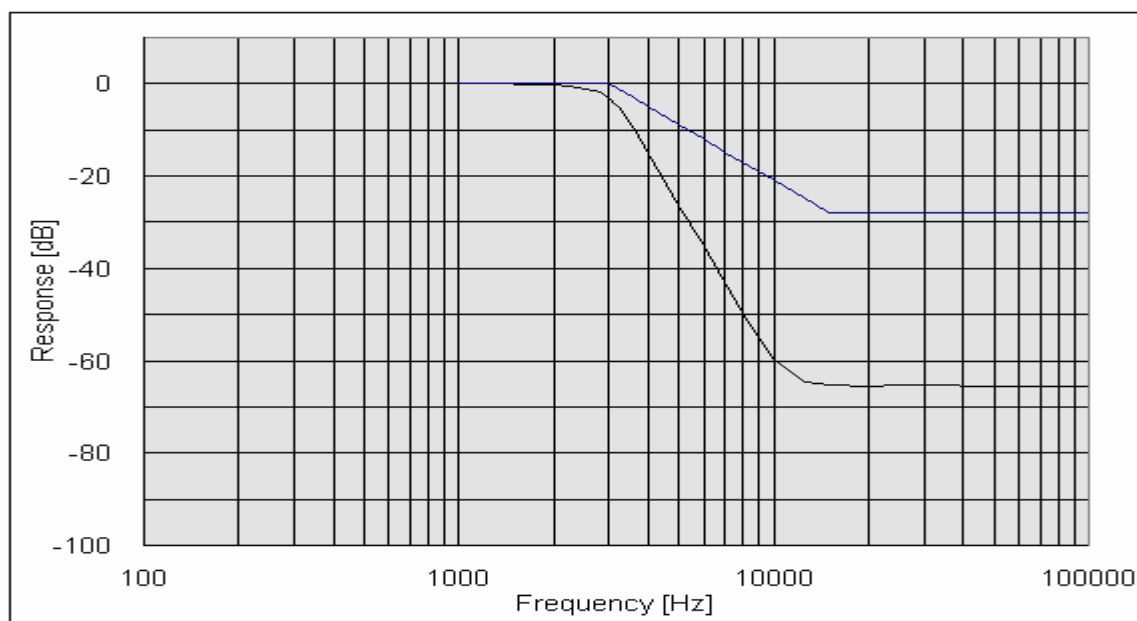
EXHIBIT 6B – Transmit Audio Response – Pursuant 47 CFR 2.1047 and 2.1033(c)(13)**Figure 6B-1: 20 kHz Channel Spacing, Transmit Audio Response****EXHIBIT 6C – Transmit Audio Post Limiter Low Pass Filter Response – Pursuant 47 CFR 2.1047 and 2.1033(c) (13)****Figure 6C-1: 20 kHz Channel Spacing, Transmit Audio Low Pass Filter Response**

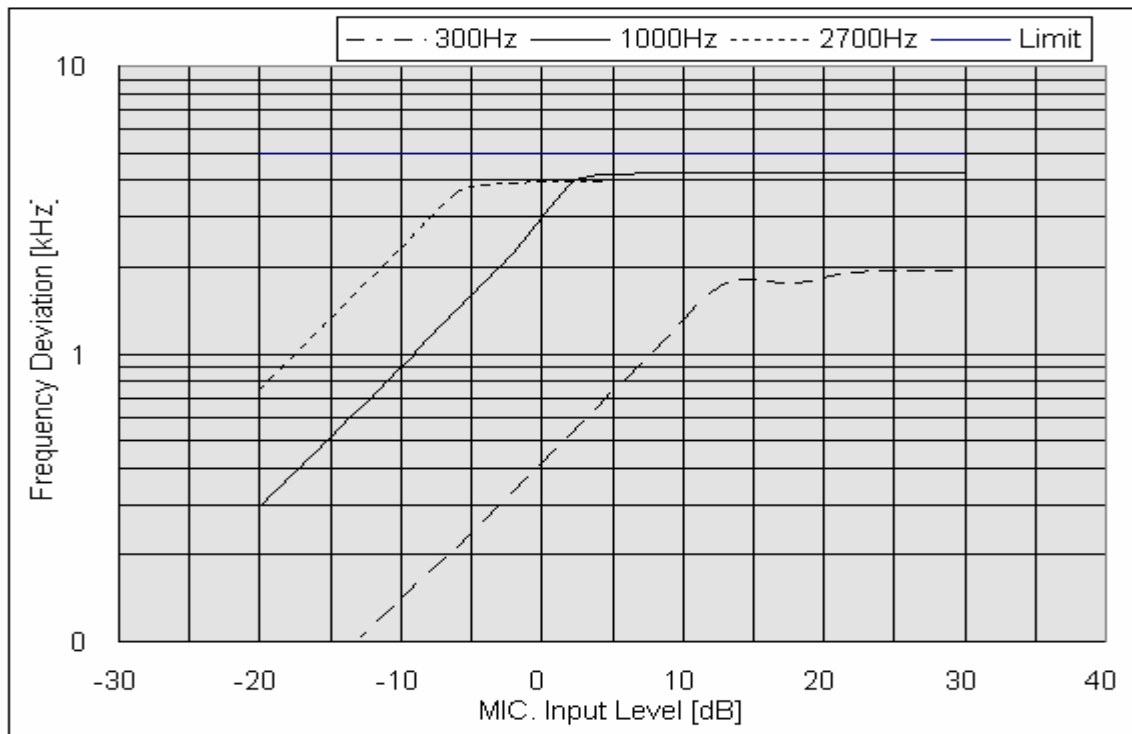
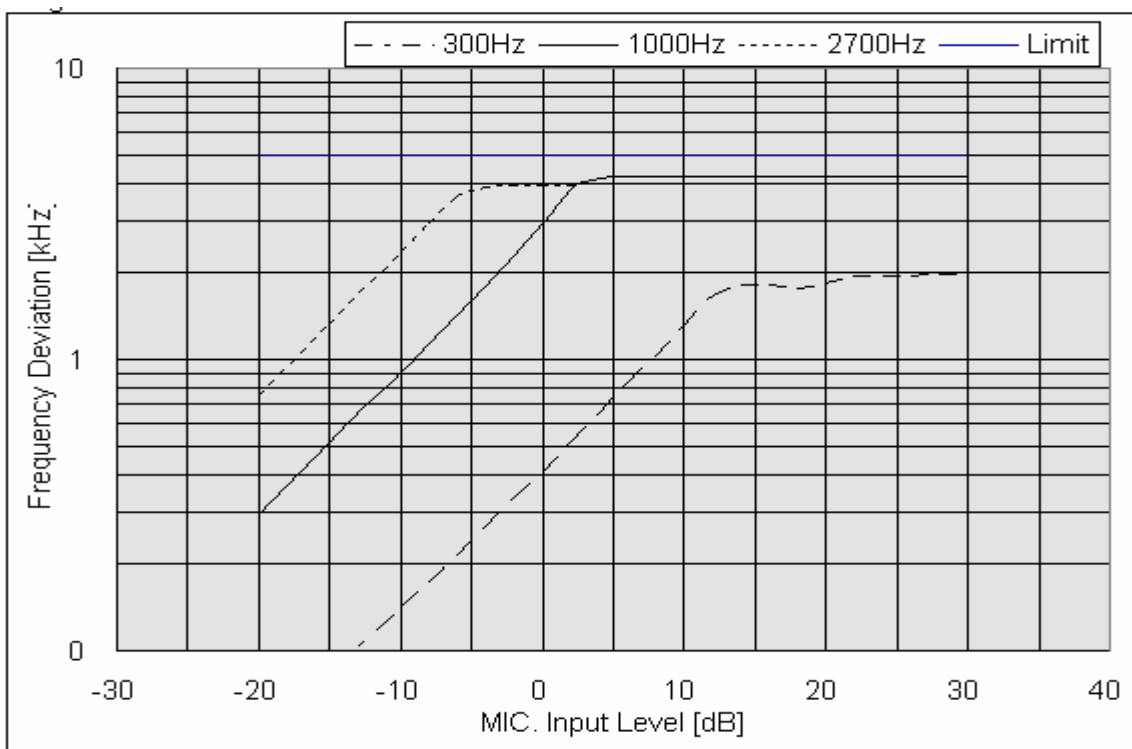
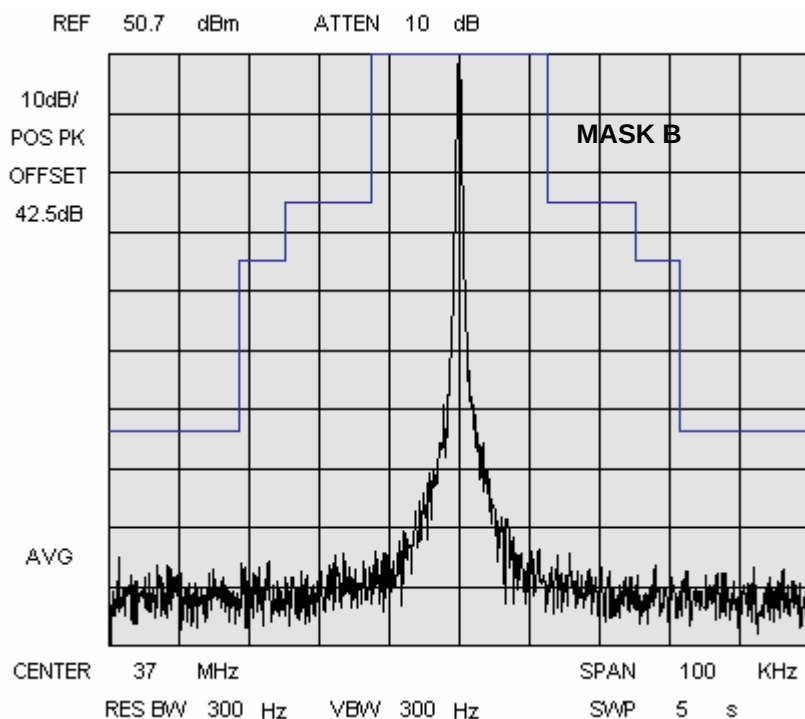
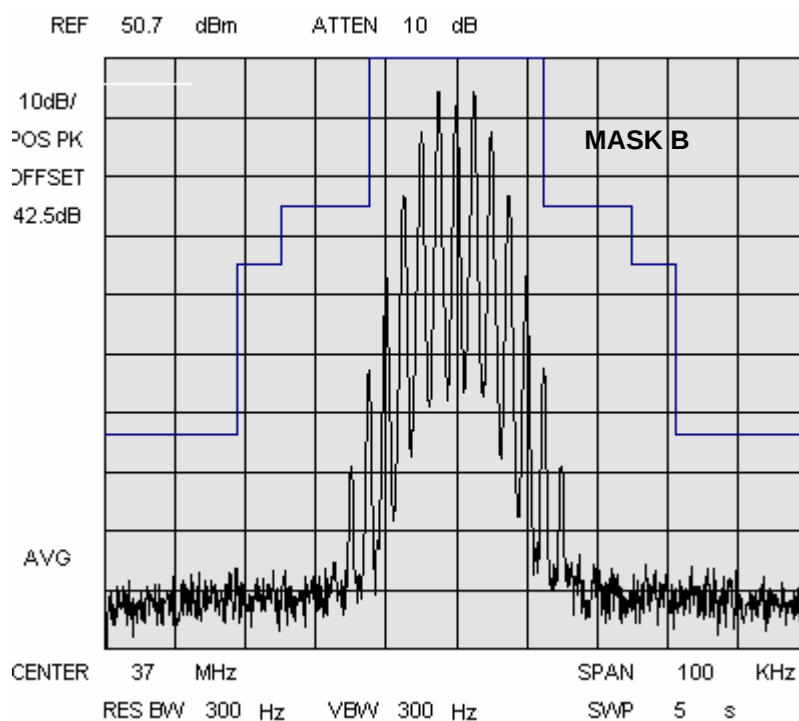
EXHIBIT 6D – Modulation Limiting Characteristics – Pursuant 47 CFR 2.1047 and 2.1033(c)(13)**Figure 6D-1: 20 kHz Channel Spacing, Positive Peak, Carrier Squelch Mode****Figure 6D-2: 20kHz Channel Spacing, Negative Peak, Carrier Squelch Mode**

EXHIBIT 6E- Occupied Bandwidth Data – Pursuant 47 CFR 2.1049, 90.210(g) and 90.691**Figure 6E-1: 20 kHz Channel Spacing, High Power, 37 MHz, 16K0F3E****Figure 6E-2: 20 kHz Channel Spacing, High Power, 37MHz, 16K0F3E**

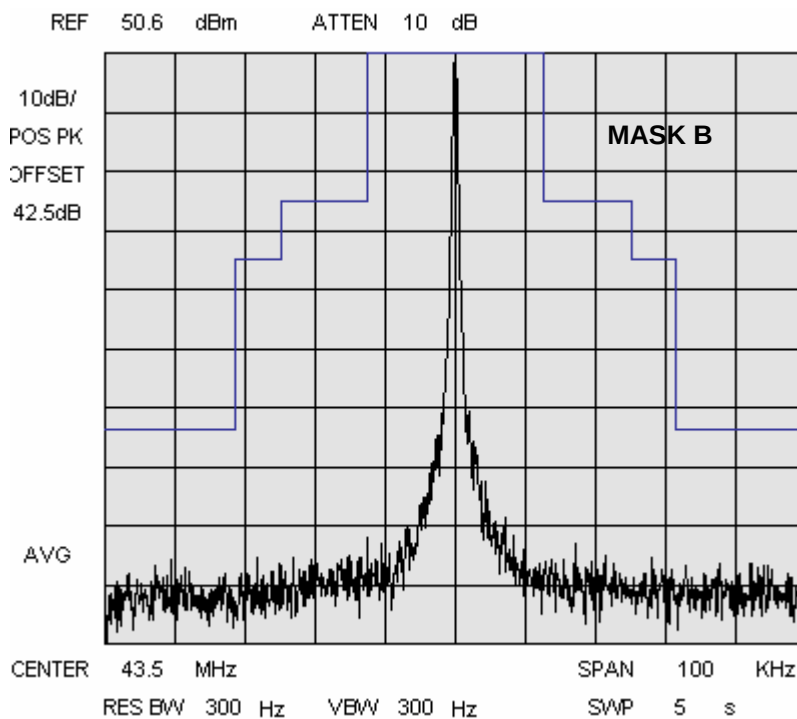


Figure 6E-3: 20 kHz Channel Spacing, High Power, 43.5MHz, 16K0F3E

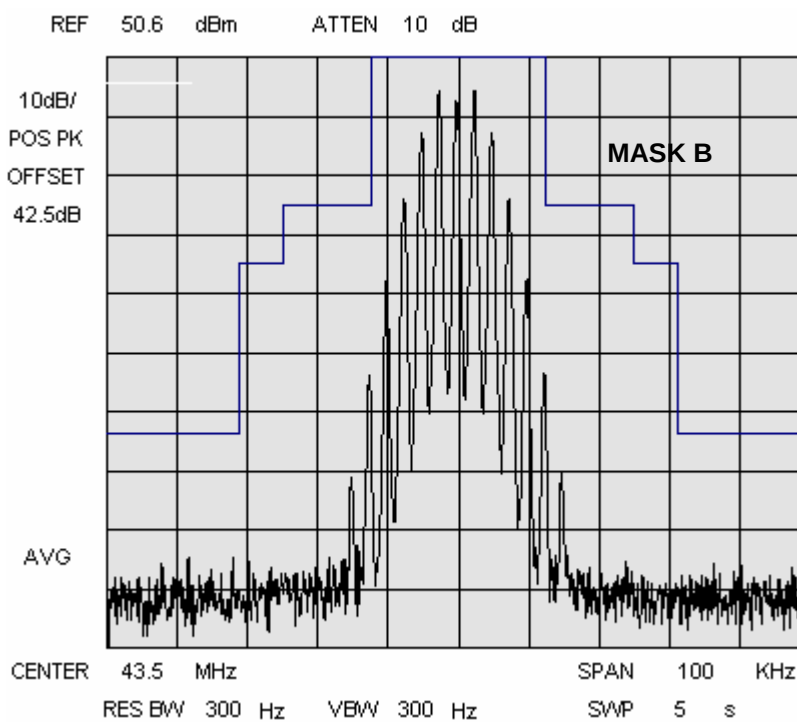


Figure 6E-4: 20 kHz Channel Spacing, High Power, 43.5MHz, 16K0F3E

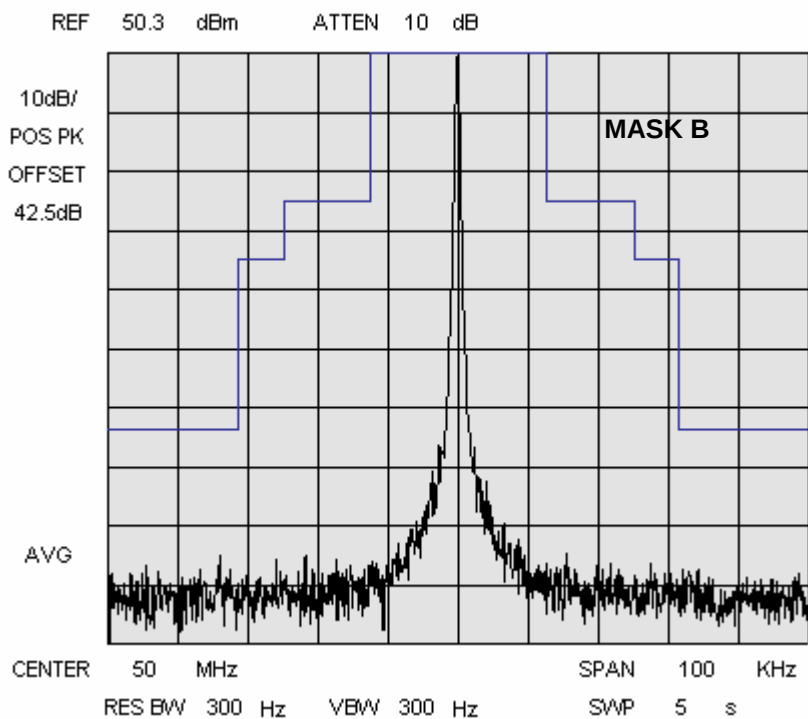


Figure 6E-5: 20 kHz Channel Spacing, High Power, 50MHz, **16K0F3E**

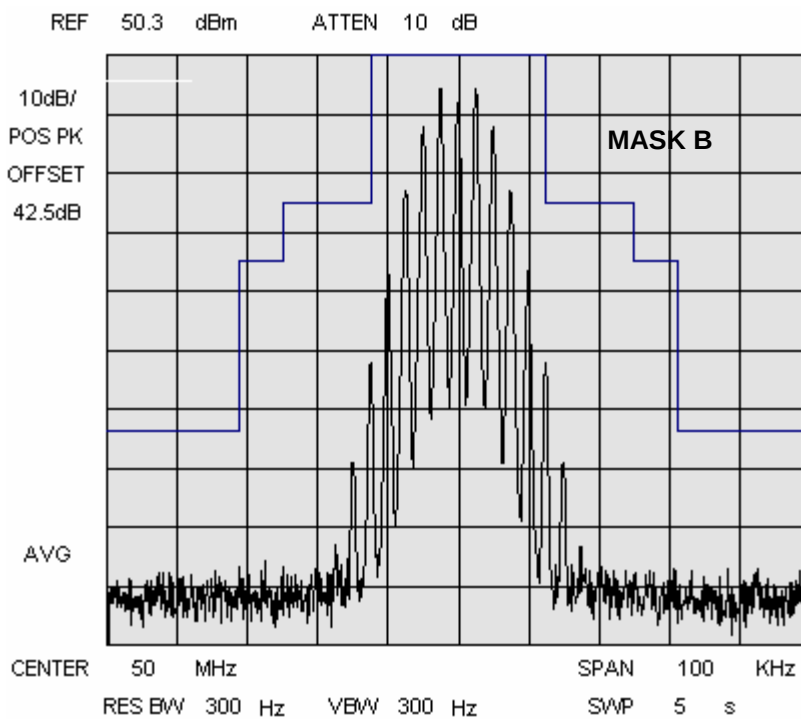


Figure 6E-6: 20 kHz Channel Spacing, High Power, 50 MHz, **16K0F3E**

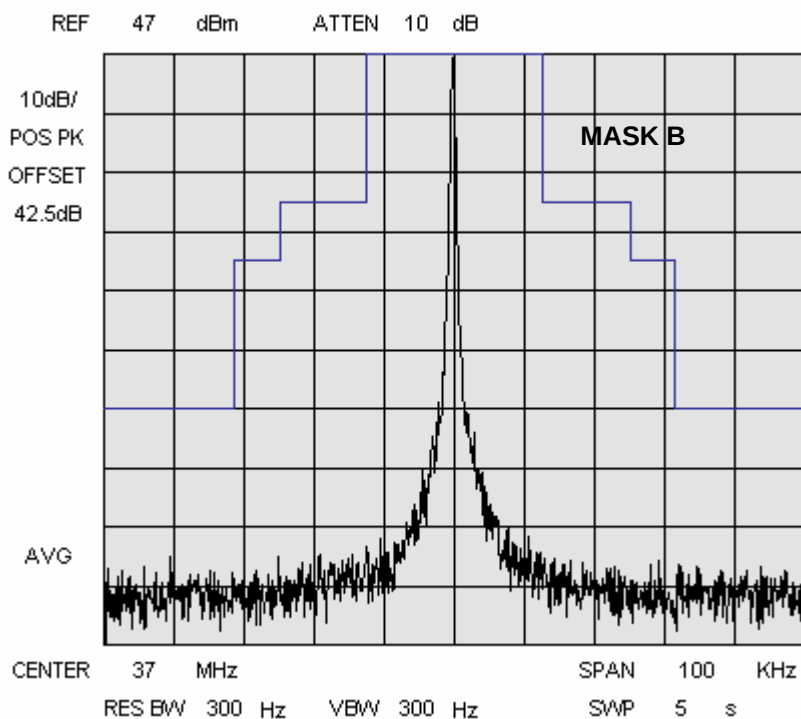


Figure 6E-7: 20 kHz Channel Spacing, Low Power, 37MHz, 16K0F3E

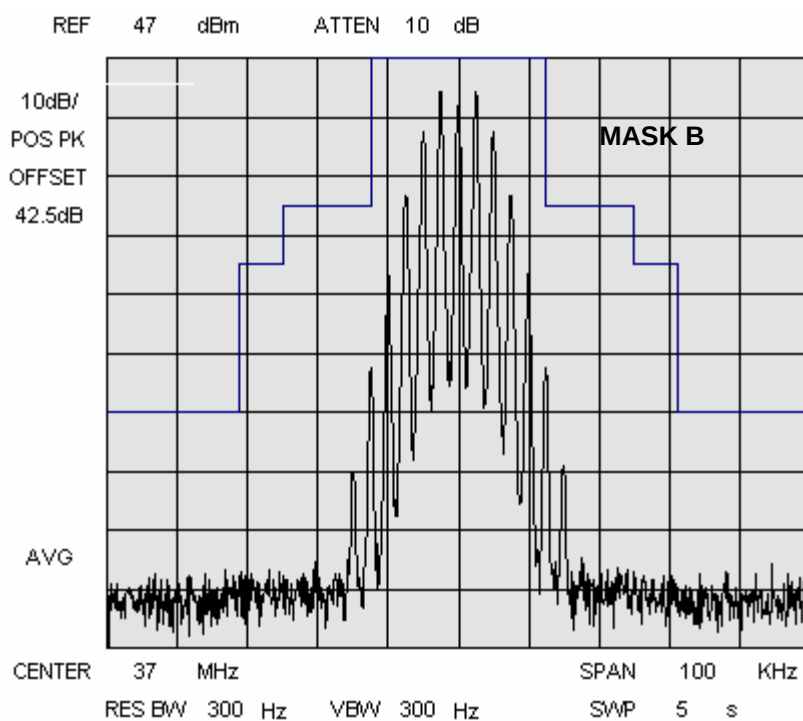


Figure 6E-8: 20 kHz Channel Spacing, Low Power, 37MHz, 16K0F3E

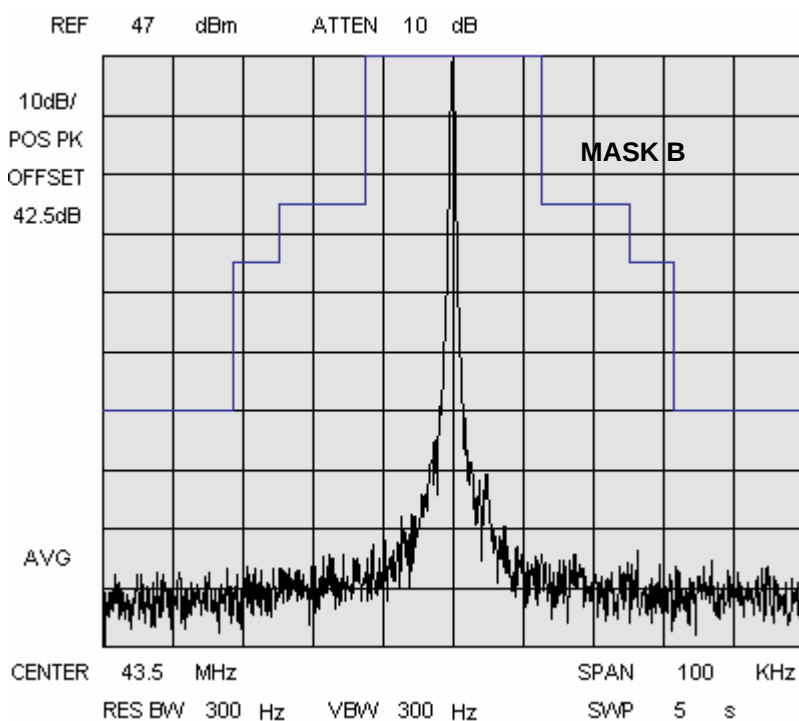


Figure 6E-9: 20 kHz Channel Spacing, Low Power, 43.5MHz, 16K0F3E

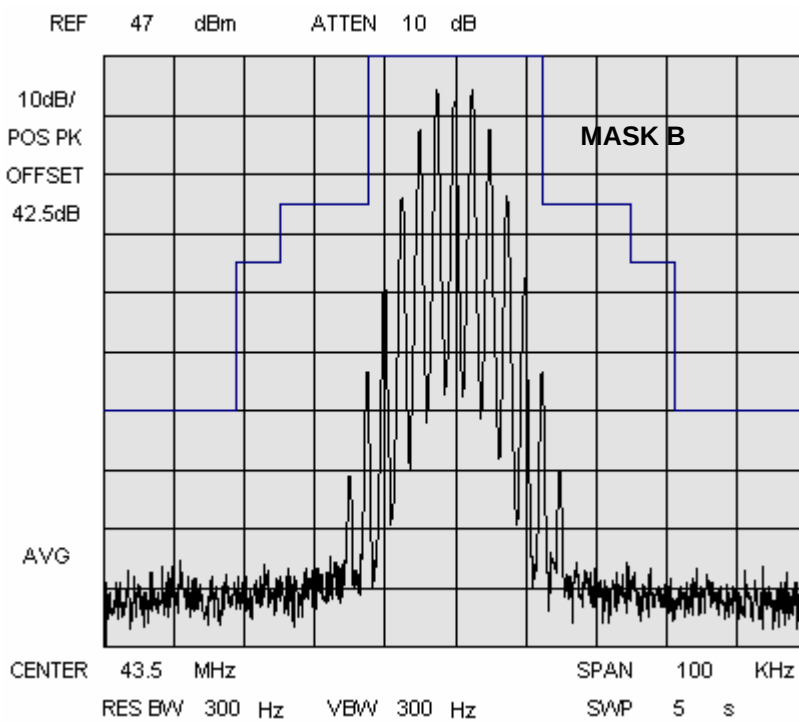


Figure 6E-10: 20 kHz Channel Spacing, Low Power, 43.5MHz, 16K0F3E

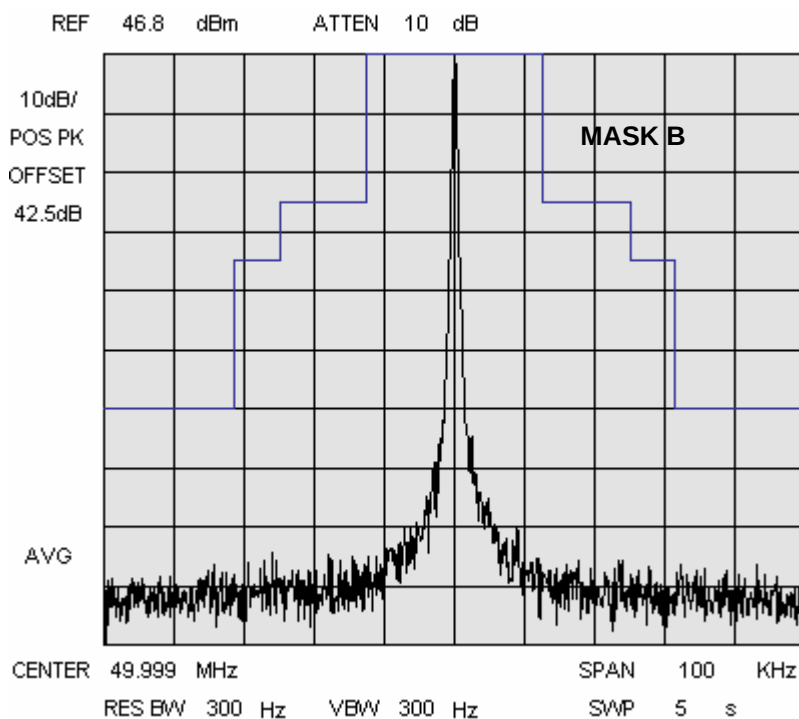


Figure 6E-11: 20 kHz Channel Spacing, Low Power, 50MHz, 16K0F3E

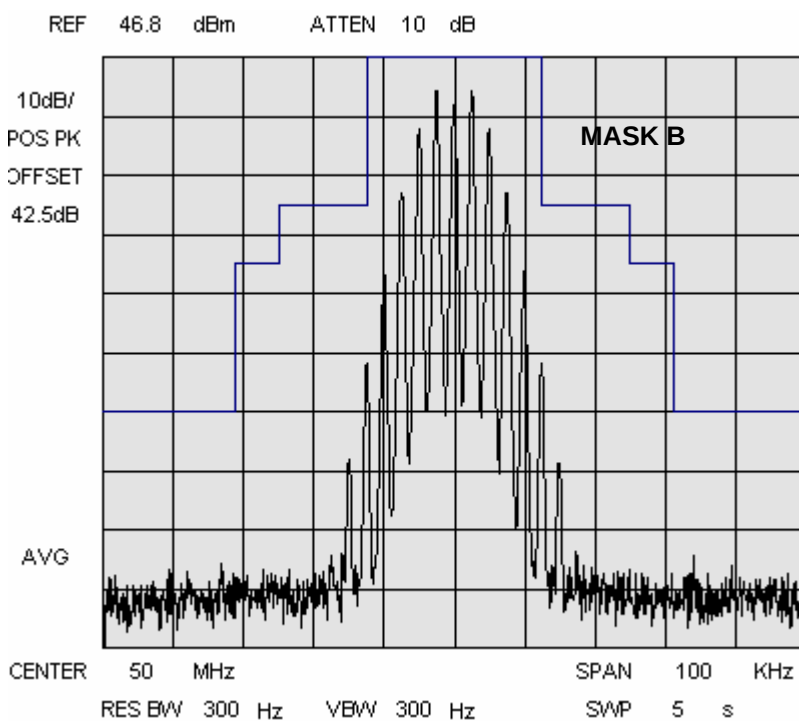


Figure 6E-12: 20 kHz Channel Spacing, Low Power, 50MHz, 16K0F3E

EXHIBIT 6F – Conducted Spurious Emissions – Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

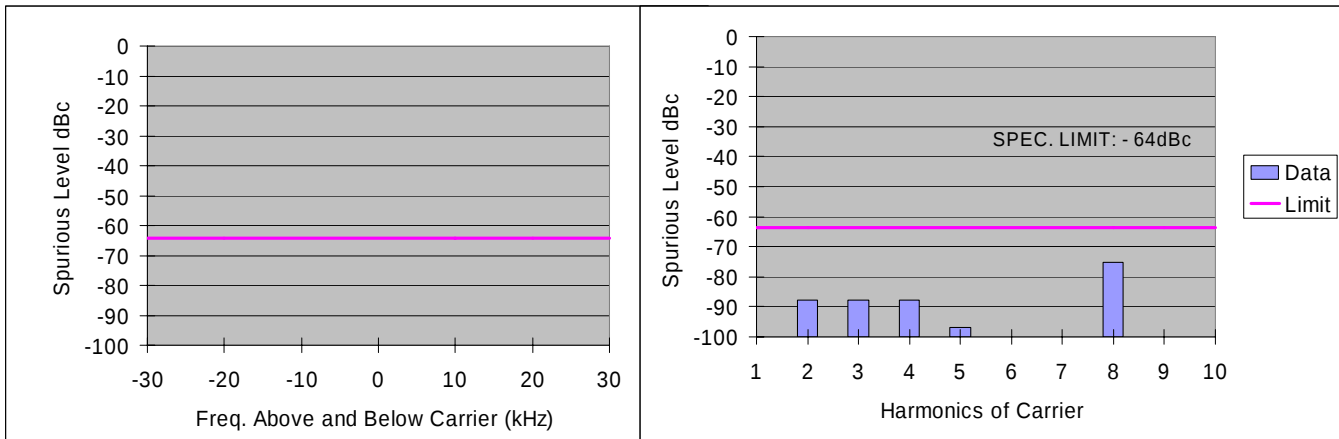


Figure 6F-1: High Power, 37.5 MHz, 20 kHz Channel Spacing

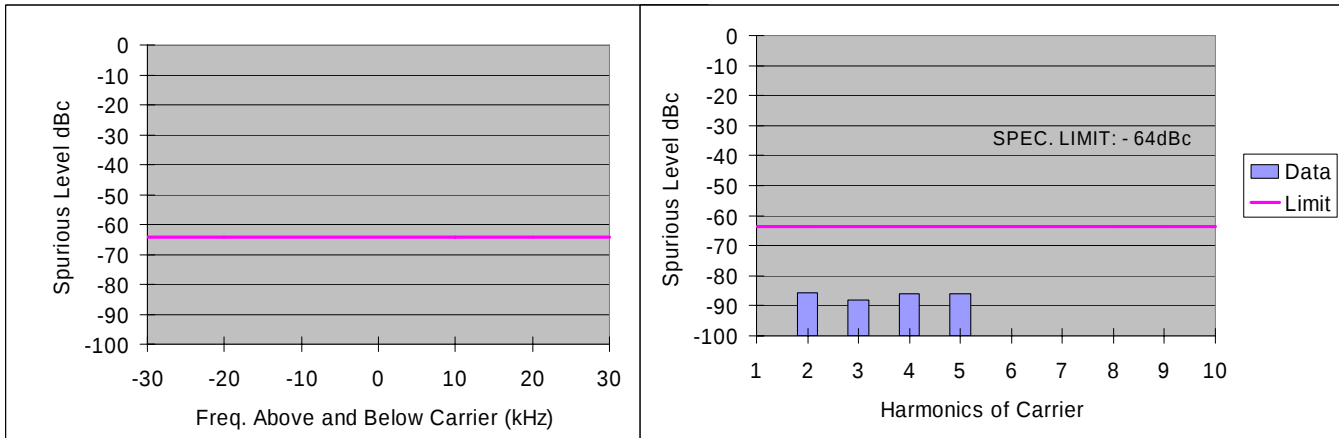


Figure 6F-2: High Power, 43.5 MHz, 20 kHz Channel Spacing

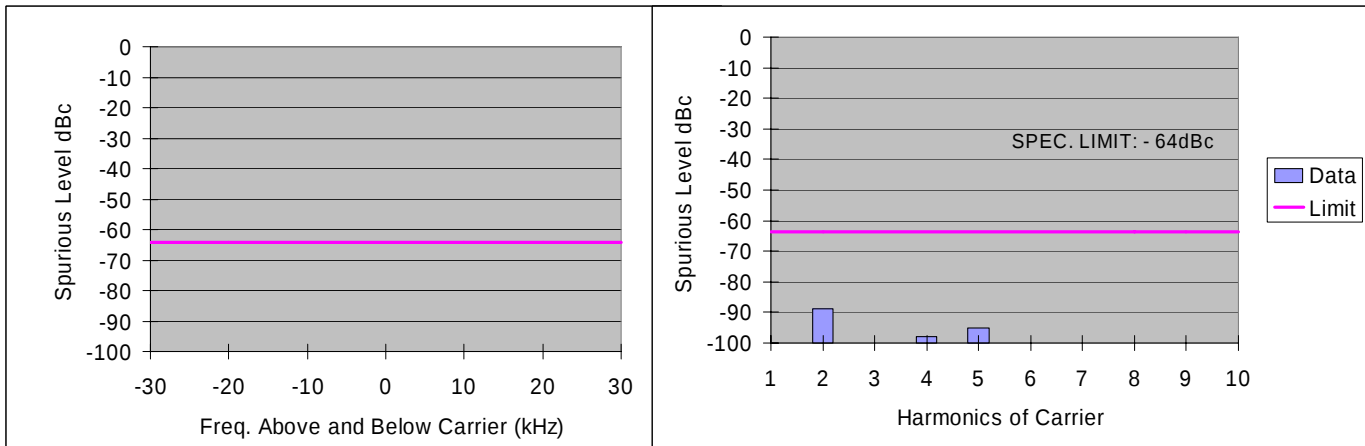


Figure 6F-3: High Power, 49.9 MHz, 20 kHz Channel Spacing

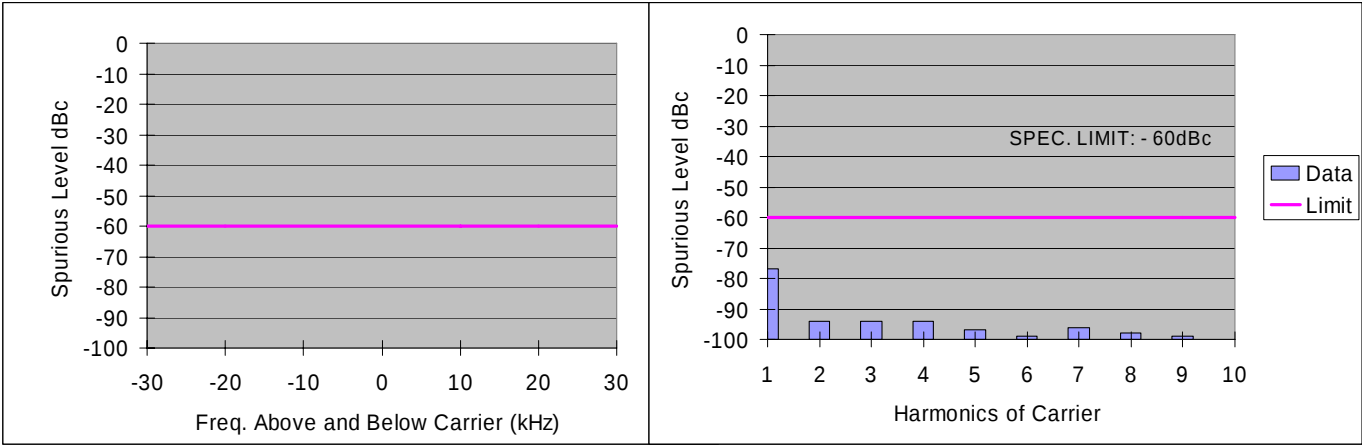


Figure 6F-4: Low Power, 37.5 MHz, 20 kHz Channel Spacing

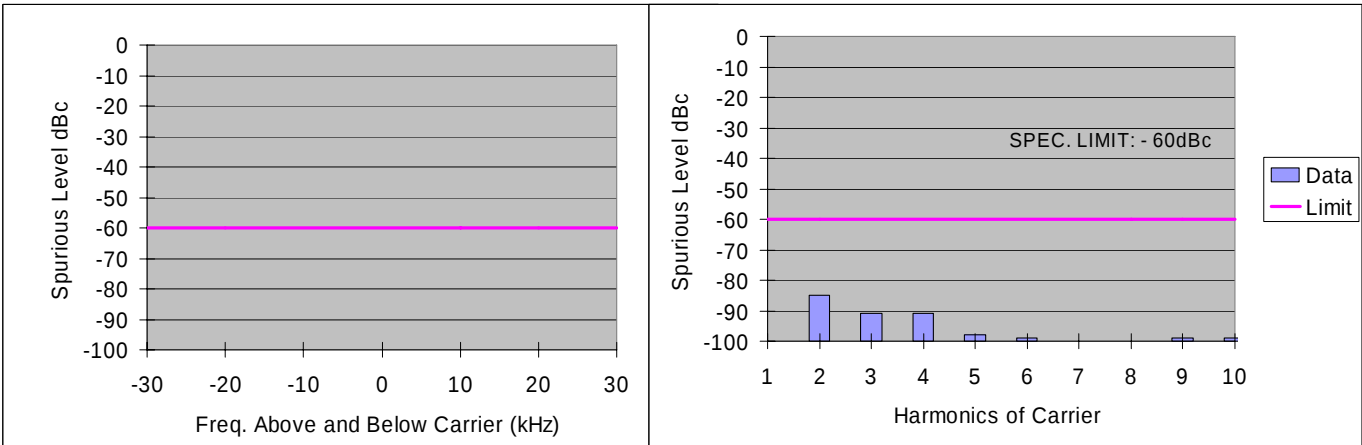


Figure 6F-5: Low Power, 43.5 MHz, 20 kHz Channel Spacing

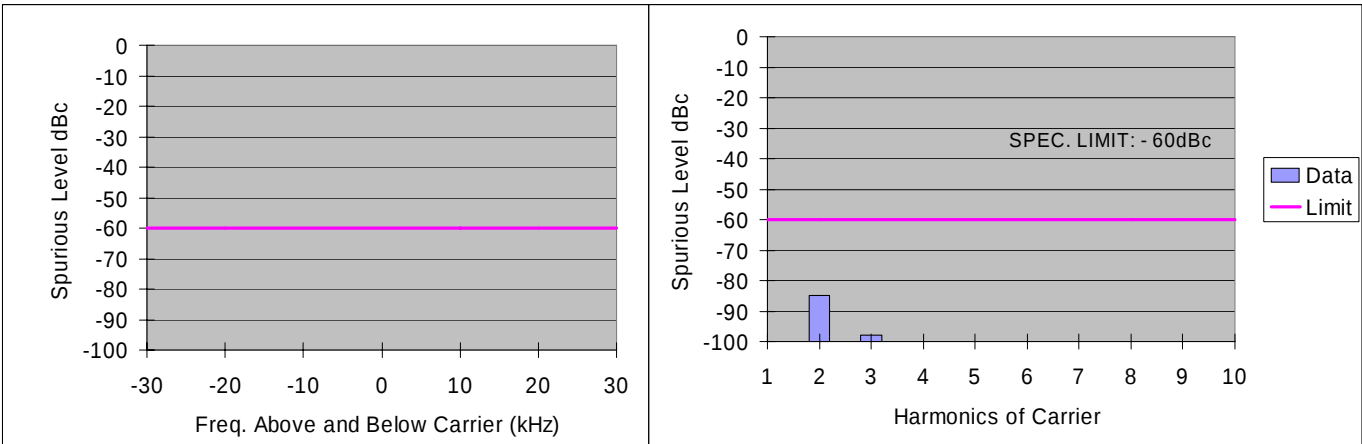
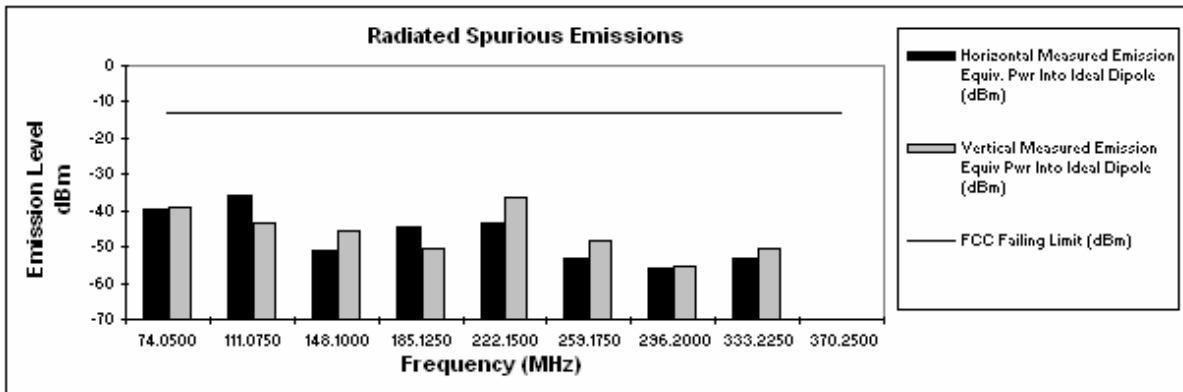


Figure 6F-6: Low Power, 49.9 MHz, 20 kHz Channel Spacing**EXHIBIT 6G – Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)****Tx Power: 132 Watts****37.025 MHz****Channel Spacing 20kHz | S/N 1591HE0029**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
74.0500	-13	-39.53	-38.92
111.0750	-13	-35.80	-43.54
148.1000	-13	-50.95	-45.75
185.1250	-13	-44.37	-50.44
222.1500	-13	-43.40	-36.43
259.1750	-13	-53.11	-48.42
296.2000	-13	-56.15	-55.31
333.2250	-13	-53.28	-50.25
370.2500	-13	*	*

**Figure 6G-1: High Power, 37.025 MHz, 20 kHz Channel Spacing**

Tx Power: 132 Watts

44.5 MHz

Channel Spacing 20kHz | S/N 1591HE0029

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
89.0000	-13	-40.63	-37.82
133.5000	-13	-27.66	-26.02
178.0000	-13	-45.87	-46.30
222.5000	-13	-52.87	-44.91
267.0000	-13	-47.72	-43.03
311.5000	-13	-51.40	-46.23
356.0000	-13	-54.51	-53.38
400.5000	-13	-48.94	-47.77
445.0000	-13	*	*

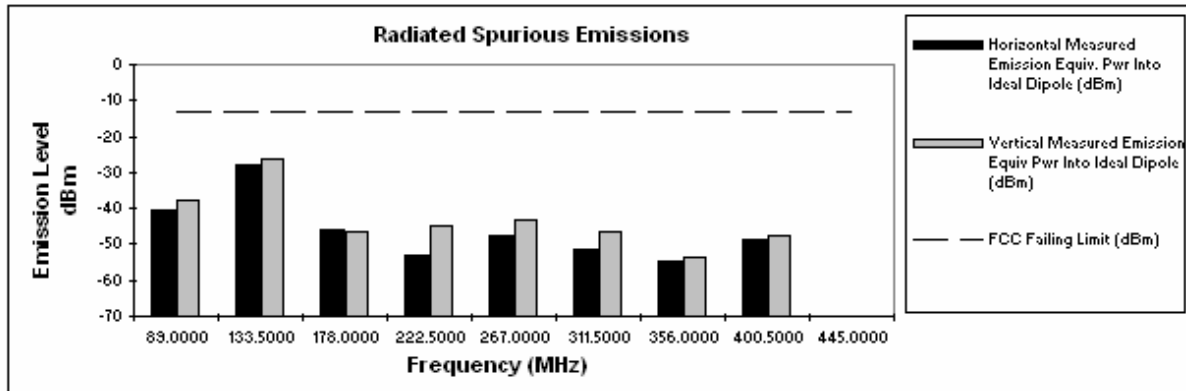


Figure 6G-2: High Power, 44.5 MHz, 20 kHz Channel Spacing

Tx Power: 132 Watts

49.975 MHz

Channel Spacing 20kHz | S/N 1591HE0029

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
99.9500	-13	*	*
149.9250	-13	-33.67	-25.12
199.9000	-13	-32.29	-23.36
249.8750	-13	-32.56	-29.11
299.8500	-13	-39.86	-37.04
349.8250	-13	-39.00	-35.82
399.8000	-13	-42.65	-33.61
449.7750	-13	-39.27	-40.22
499.7500	-13	-39.84	-39.34

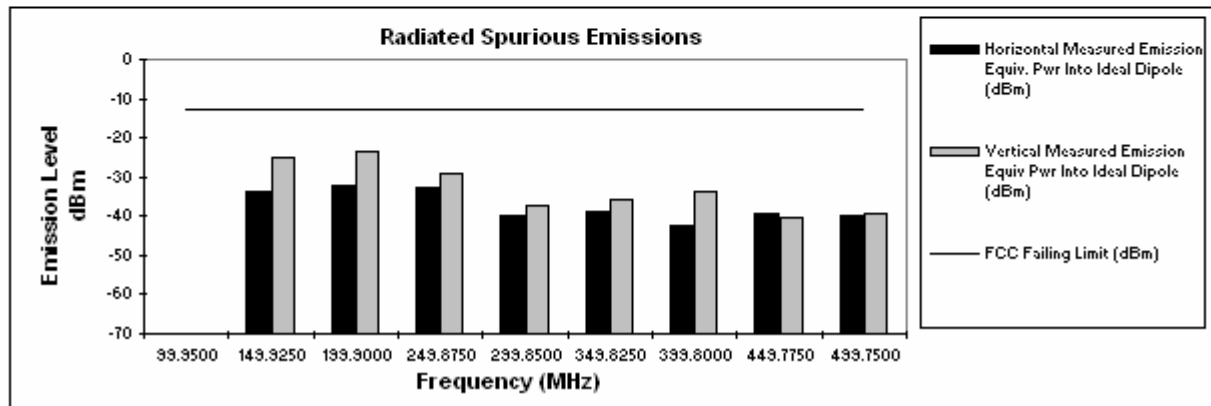


Figure 6G-3: High Power, 49.975 MHz, 20 kHz Channel Spacing

Tx Power: 50 Watts

37.025 MHz

Channel Spacing 20kHz | S/N 1591HE0029

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
74.0500	-13	*	-52.86
111.0750	-13	-42.13	-47.78
148.1000	-13	*	-51.50
185.1250	-13	*	-41.21
222.1500	-13	-50.44	-50.03
259.1750	-13	-56.53	-48.10
296.2000	-13	*	*
333.2250	-13	*	*
370.2500	-13	*	*

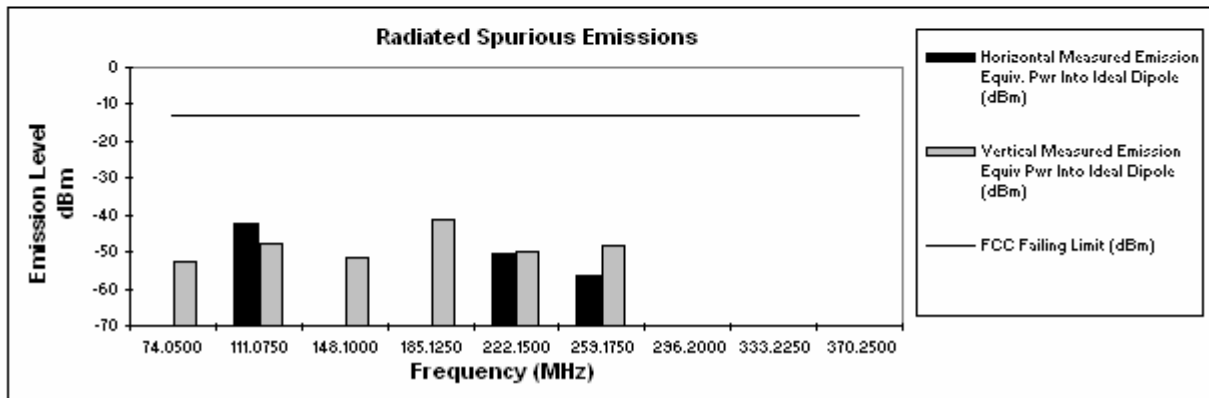


Figure 6G-4: Low Power, 37.025 MHz, 20 kHz Channel Spacing

Tx Power: 50 Watts

44.5 MHz

Channel Spacing 20kHz | S/N 1591HE0029

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
89.0000	-13	-55.25	*
133.5000	-13	-35.83	-28.07
178.0000	-13	-55.56	-56.66
222.5000	-13	*	-57.38
267.0000	-13	-57.46	*
311.5000	-13	*	*
356.0000	-13	*	*
400.5000	-13	*	*
445.0000	-13	*	*

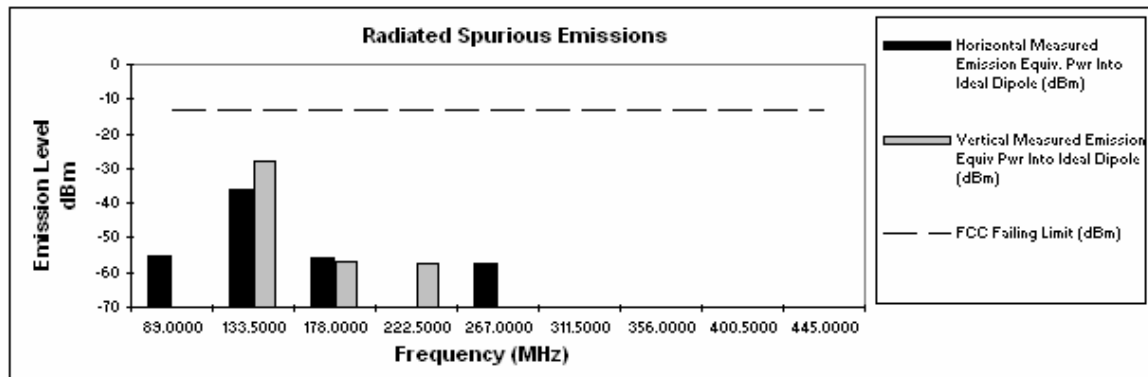


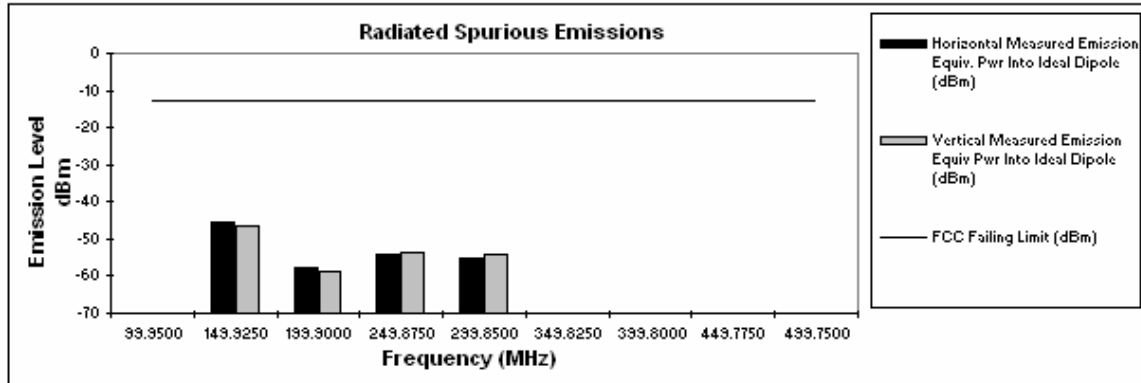
Figure 6G-5: Low Power, 44.5 MHz, 20 kHz Channel Spacing

Tx Power: 50 Watts

49.975 MHz

Channel Spacing 20kHz | S/N 1591HE0029

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
99.9500	-13	*	*
149.9250	-13	-45.54	-46.25
199.9000	-13	-57.83	-58.89
249.8750	-13	-54.08	-53.43
299.8500	-13	-55.39	-54.39
349.8250	-13	*	*
399.8000	-13	*	*
449.7750	-13	*	*
499.7500	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Figure 6G-6: Low Power, 49.975 MHz, 20 kHz Channel Spacing

EXHIBIT 6H – Frequency Stability (Temperature/Supply Voltage) - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

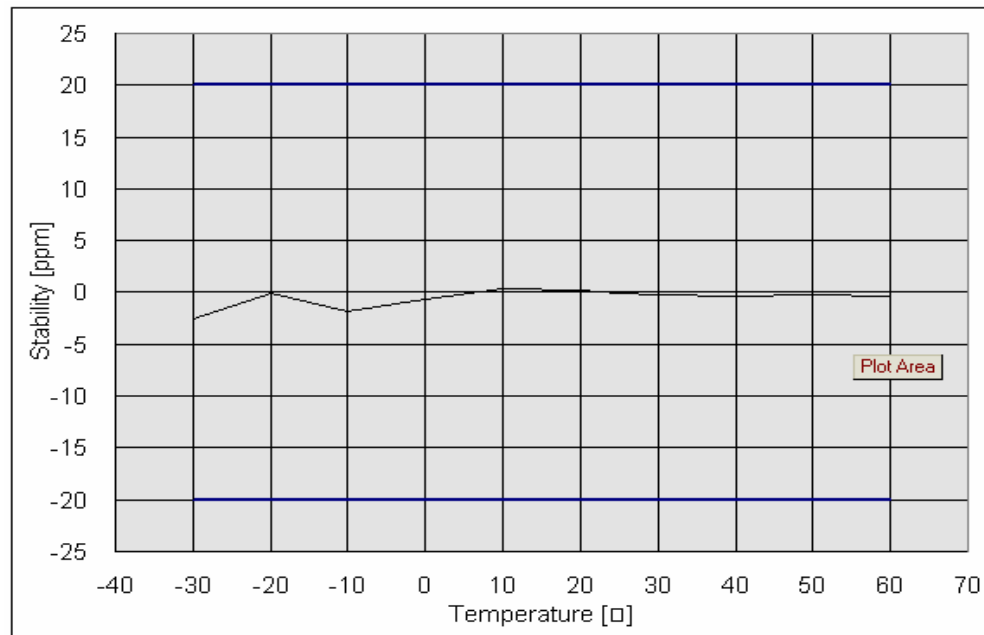


Figure 6H-1: Frequency Stability vs. Temperature, 43.5MHz

% of STV	Voltage	Frequency, MHz	Change, Hz	Change, ppm
85	11.39	43.499980	-20	-0.46
100	13.40	43.499980	-20	-0.46
115	15.41	43.499980	-20	-0.46

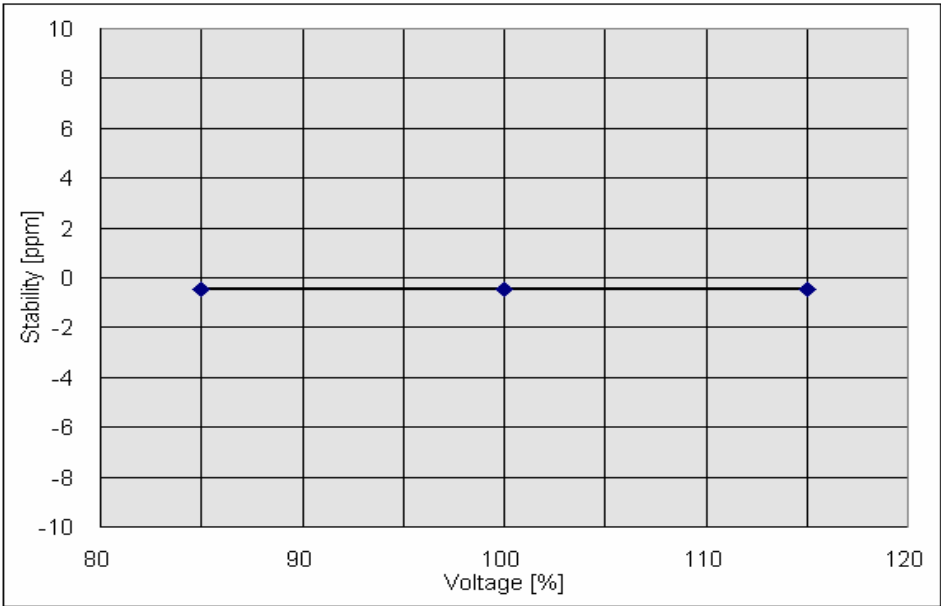


Figure 6H-2: Frequency Stability vs. Percentage of Supply Voltage Change, 43.5MHz