

**EXHIBIT 6**

**INDEX OF SUBMITTED MEASURED DATA**

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

**EXHIBIT 6A** – RF Power Output (2 Tables)

6A-1: Using 5185633C51 RF Power Amplifier

6A-2: Using 5185633C61 RF Power Amplifier

**EXHIBIT 6B** – Audio Frequency Response (2 Graphs)

6B-1: 12.5 kHz Channel Spacing

6B-2: 25 kHz Channel Spacing

**EXHIBIT 6C** – Audio Low Pass Filter Response (2 Graphs)

6C-1: 12.5 kHz Channel Spacing

6C-2: 25 kHz Channel Spacing

**EXHIBIT 6D** – Modulation Limiting (6 Graphs)

6D-1: 12.5 kHz Channel Spacing, Carrier Squelch (CSQ) Mode

6D-2: 12.5 kHz Channel Spacing, Tone Private Line (TPL) Mode

6D-3: 12.5 kHz Channel Spacing, Digital Private Line (DPL) Mode

6D-4: 25 kHz Channel Spacing, Carrier Squelch (CSQ) Mode

6D-5: 25 kHz Channel Spacing, Tone Private Line (TPL) Mode

6D-6: 25 kHz Channel Spacing, Digital Private Line (DPL) Mode

**EXHIBIT 6E** – Occupied Bandwidth (6 Spectrum Analyzer Plots)

6E-1: 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation Only

6E-2: 12.5 kHz Channel Spacing, 2500 Hz Audio and PL Tone Modulation

6E-3: 12.5 kHz Channel Spacing, 2500 Hz Audio and DPL Tone Modulation

6E-4: 25 kHz Channel Spacing, 2500 Hz Audio Modulation Only

6E-5: 25 kHz Channel Spacing, 2500 Hz Audio and PL Tone Modulation

6E-6: 25 kHz Channel Spacing, 2500 Hz Audio and DPL Tone Modulation

6E-7: 12.5kHz Channel Spacing, APCO25 Digital Data (8K10F1D)

6E-8: 12.5kHz Channel Spacing, APCO25 Digital Voice (8K10F1E)

**EXHIBIT 6F** – Conducted Spurious Emissions (24 Tables)

6F-1: Using 5185633C51 RF Power Amplifier

6F-1-1: 1 Watt Harmonic of Carrier 450.0125 MHz, 12.5 kHz Channel Spacing

6F-1-2: 1 Watt Harmonic of Carrier 485.0125 MHz, 12.5 kHz Channel Spacing

6F-1-3: 1 Watt Harmonic of Carrier 519.9875 MHz, 12.5 kHz Channel Spacing

6F-1-4: 6 Watts Harmonic of Carrier 450.0125 MHz, 12.5 kHz Channel Spacing

6F-1-5: 6 Watts Harmonic of Carrier 485.0125 MHz, 12.5 kHz Channel Spacing

6F-1-6: 6 Watts Harmonic of Carrier 519.9875 MHz, 12.5 kHz Channel Spacing

6F-1-7: 1 Watt Harmonic of Carrier 450.0125 MHz, 25 kHz Channel Spacing

6F-1-8: 1 Watt Harmonic of Carrier 485.0125 MHz, 25 kHz Channel Spacing

6F-1-9: 1 Watt Harmonic of Carrier 519.9875 MHz, 25 kHz Channel Spacing

6F-1-10: 6 Watts Harmonic of Carrier 450.0125 MHz, 25 kHz Channel Spacing

6F-1-11: 6 Watts Harmonic of Carrier 485.0125 MHz, 25 kHz Channel Spacing

6F-1-12: 6 Watts Harmonic of Carrier 519.9875 MHz, 25 kHz Channel Spacing

6F-2: Using 5185633C61 RF Power Amplifier

6F-2-1: 1 Watt Harmonic of Carrier 450.0125 MHz, 12.5 kHz Channel Spacing

6F-2-2: 1 Watt Harmonic of Carrier 485.0125 MHz, 12.5 kHz Channel Spacing

6F-2-3: 1 Watt Harmonic of Carrier 519.9875 MHz, 12.5 kHz Channel Spacing

6F-2-4: 6 Watts Harmonic of Carrier 450.0125 MHz, 12.5 kHz Channel Spacing

6F-2-5: 6 Watts Harmonic of Carrier 485.0125 MHz, 12.5 kHz Channel Spacing

6F-2-6: 6 Watts Harmonic of Carrier 519.9875 MHz, 12.5 kHz Channel Spacing

- 6F-2-7: 1 Watt Harmonic of Carrier 450.0125 MHz, 25 kHz Channel Spacing
- 6F-2-8: 1 Watt Harmonic of Carrier 485.0125 MHz, 25 kHz Channel Spacing
- 6F-2-9: 1 Watt Harmonic of Carrier 519.9875 MHz, 25 kHz Channel Spacing
- 6F-2-10: 6 Watts Harmonic of Carrier 450.0125 MHz, 25 kHz Channel Spacing
- 6F-2-11: 6 Watts Harmonic of Carrier 485.0125 MHz, 25 kHz Channel Spacing
- 6F-2-12: 6 Watts Harmonic of Carrier 519.9875 MHz, 25 kHz Channel Spacing

**EXHIBIT 6G – Radiated Spurious Emissions (24 Graphs)**

6G-1: Using 5185633C51 RF Power Amplifier

- 6G-1-1: 2 Watts, 450.0125 MHz, 12.5 kHz Channel Spacing
- 6G-1-2: 2 Watts, 485.0125 MHz, 12.5 kHz Channel Spacing
- 6G-1-3: 2 Watts, 519.9875 MHz, 12.5 kHz Channel Spacing
- 6G-1-4: 2 Watts, 450.0125 MHz, 25 kHz Channel Spacing
- 6G-1-5: 2 Watts, 485.0125 MHz, 25 kHz Channel Spacing
- 6G-1-6: 2 Watts, 519.9875 MHz, 25 kHz Channel Spacing
- 6G-1-7: 6 Watts, 450.0125 MHz, 12.5 kHz Channel Spacing
- 6G-1-8: 6 Watts, 485.0125 MHz, 12.5 kHz Channel Spacing
- 6G-1-9: 6 Watts, 519.9875 MHz, 12.5 kHz Channel Spacing
- 6G-1-10: 6 Watts, 450.0125 MHz, 25 kHz Channel Spacing
- 6G-1-11: 6 Watts, 485.0125 MHz, 25 kHz Channel Spacing
- 6G-1-12: 6 Watts, 519.9875 MHz, 25 kHz Channel Spacing

6G-2: Using 5185633C61 RF Power Amplifier

- 6G-2-1: 2 Watts, 450.0125 MHz, 12.5 kHz Channel Spacing
- 6G-2-2: 2 Watts, 485.0125 MHz, 12.5 kHz Channel Spacing
- 6G-2-3: 2 Watts, 519.9875 MHz, 12.5 kHz Channel Spacing
- 6G-2-4: 2 Watts, 450.0125 MHz, 25 kHz Channel Spacing
- 6G-2-5: 2 Watts, 485.0125 MHz, 25 kHz Channel Spacing
- 6G-2-6: 2 Watts, 519.9875 MHz, 25 kHz Channel Spacing
- 6G-2-7: 6 Watts, 450.0125 MHz, 12.5 kHz Channel Spacing
- 6G-2-8: 6 Watts, 485.0125 MHz, 12.5 kHz Channel Spacing
- 6G-2-9: 6 Watts, 519.9875 MHz, 12.5 kHz Channel Spacing
- 6G-2-10: 6 Watts, 450.0125 MHz, 25 kHz Channel Spacing
- 6G-2-11: 6 Watts, 485.0125 MHz, 25 kHz Channel Spacing
- 6G-2-12: 6 Watts, 519.9875 MHz, 25 kHz Channel Spacing

**EXHIBIT 6H – Frequency Stability (2 Graphs)**

- 6H-1 – Frequency Stability vs. Temperature
- 6H-2 – Frequency Stability vs. Voltage

**EXHIBIT 6I – Transient Frequency Behavior (16 Graphs)**

6I-1: Using 5185633C51 RF Power Amplifier

- 6I-1-1: 1 Watt, 12.5 kHz Key-Up Attack Time
- 6I-1-2: 1 Watt, 12.5 kHz De-Key Decay Time
- 6I-1-3: 1 Watt, 25 kHz Key-Up Attack Time
- 6I-1-4: 1 Watt, 25 kHz De-Key Decay Time
- 6I-1-5: 6 Watts, 12.5 kHz Key-Up Attack Time
- 6I-1-6: 6 Watts, 12.5 kHz De-Key Decay Time
- 6I-1-7: 6 Watts, 25 kHz Key-Up Attack Time
- 6I-1-8: 6 Watts, 25 kHz De-Key Decay Time

6I-2: Using 5185633C61 RF Power Amplifier

- 6I-2-1: 1 Watt, 12.5 kHz Key-Up Attack Time
- 6I-2-2: 1 Watt, 12.5 kHz De-Key Decay Time
- 6I-2-3: 1 Watt, 25 kHz Key-Up Attack Time
- 6I-2-4: 1 Watt, 25 kHz De-Key Decay Time
- 6I-2-5: 6 Watts, 12.5 kHz Key-Up Attack Time
- 6I-2-6: 6 Watts, 12.5 kHz De-Key Decay Time
- 6I-2-7: 6 Watts, 25 kHz Key-Up Attack Time
- 6I-2-8: 6 Watts, 25 kHz De-Key Decay Time

**EXHIBIT 6A-1: Using 5185633C51 RF Power Amplifier**

**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 (Q101: 5185633C51)

**At maximum output power setting, Frequency 450.0125 MHz:**

Output RF power	5.99 Watts
DC Voltage	7.50 Volts
DC Current	1.94 Amps
DC Input Power	14.55 Watts

**At minimum output power setting, Frequency 450.0125 MHz:**

Output RF power	1.07 Watts
DC Voltage	7.50 Volts
DC Current	0.88 Amps
DC Input Power	6.60 Watts

**At maximum output power setting, Frequency 485.0125 MHz:**

Output RF power	5.90 Watts
DC Voltage	7.50 Volts
DC Current	1.94 Amps
DC Input Power	14.55 Watts

**At minimum output power setting, Frequency 485.0125 MHz:**

Output RF power	1.13 Watts
DC Voltage	7.50 Volts
DC Current	0.83 Amps
DC Input Power	6.23 Watts

**At maximum output power setting, Frequency 519.9875 MHz:**

Output RF power	5.96 Watts
DC Voltage	7.50 Volts
DC Current	1.94 Amps
DC Input Power	14.55 Watts

**At minimum output power setting, Frequency 519.9875 MHz:**

Output RF power	1.13 Watts
DC Voltage	7.50 Volts
DC Current	0.86 Amps
DC Input Power	6.45 Watts

**EXHIBIT 6A-2: Using 5185633C61 RF Power Amplifier**

**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 (Q101: 5185633C61)

**At maximum output power setting, Frequency 450.0125 MHz:**

Output RF power	5.93 Watts
DC Voltage	7.50 Volts
DC Current	2.75 Amps
DC Input Power	15.15 Watts

**At minimum output power setting, Frequency 450.0125 MHz:**

Output RF power	1.14 Watts
DC Voltage	7.50 Volts
DC Current	0.89 Amps
DC Input Power	6.68 Watts

**At maximum output power setting, Frequency 485.0125 MHz:**

Output RF power	6.00 Watts
DC Voltage	7.50 Volts
DC Current	2.03 Amps
DC Input Power	15.23 Watts

**At minimum output power setting, Frequency 485.0125 MHz:**

Output RF power	1.14 Watts
DC Voltage	7.50 Volts
DC Current	0.89 Amps
DC Input Power	6.68 Watts

**At maximum output power setting, Frequency 519.9875 MHz:**

Output RF power	5.98 Watts
DC Voltage	7.50 Volts
DC Current	2.09 Amps
DC Input Power	15.68 Watts

**At minimum output power setting, Frequency 519.9875 MHz:**

Output RF power	1.08 Watts
DC Voltage	7.50 Volts
DC Current	0.88 Amps
DC Input Power	6.60 Watts

EXHIBIT 6B

Transmit Audio Response - Pursuant 47 CFR 2.1047 and 2.1033(c) (13)

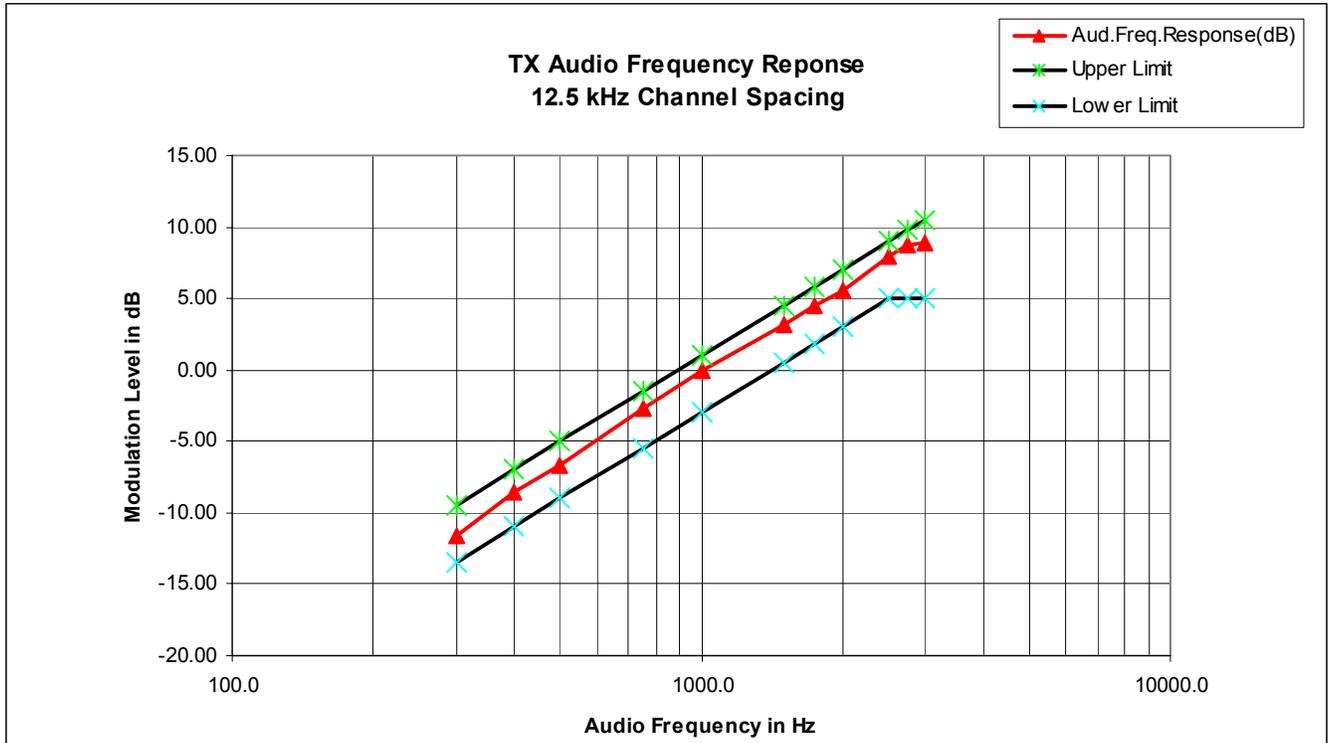


Figure 6B-1: 12.5 kHz Channel Spacing, 485.0125 MHz, Transmit Audio Frequency Response

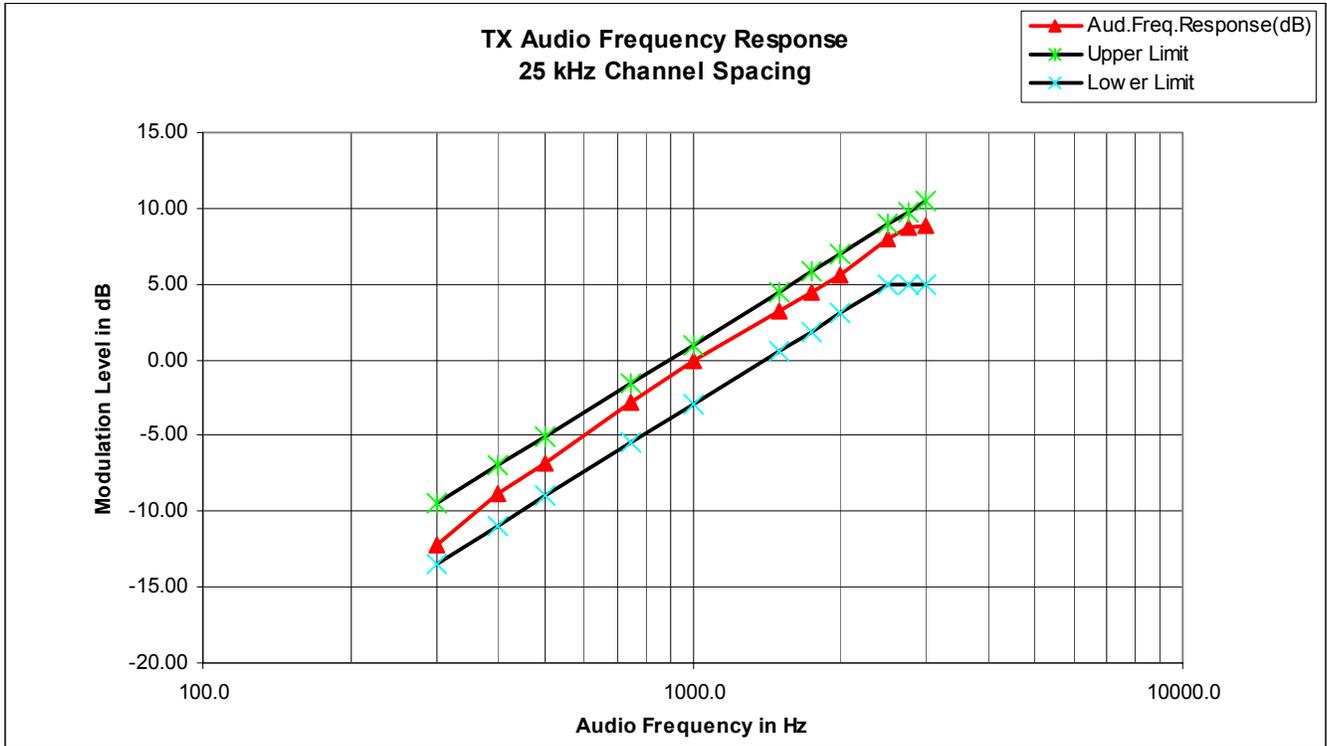


Figure 6B-2: 25 kHz Channel Spacing, 485.0125 MHz, Transmit Audio Frequency Response

EXHIBIT 6C

Transmit Audio Post Limiter Low Pass Filter Response - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

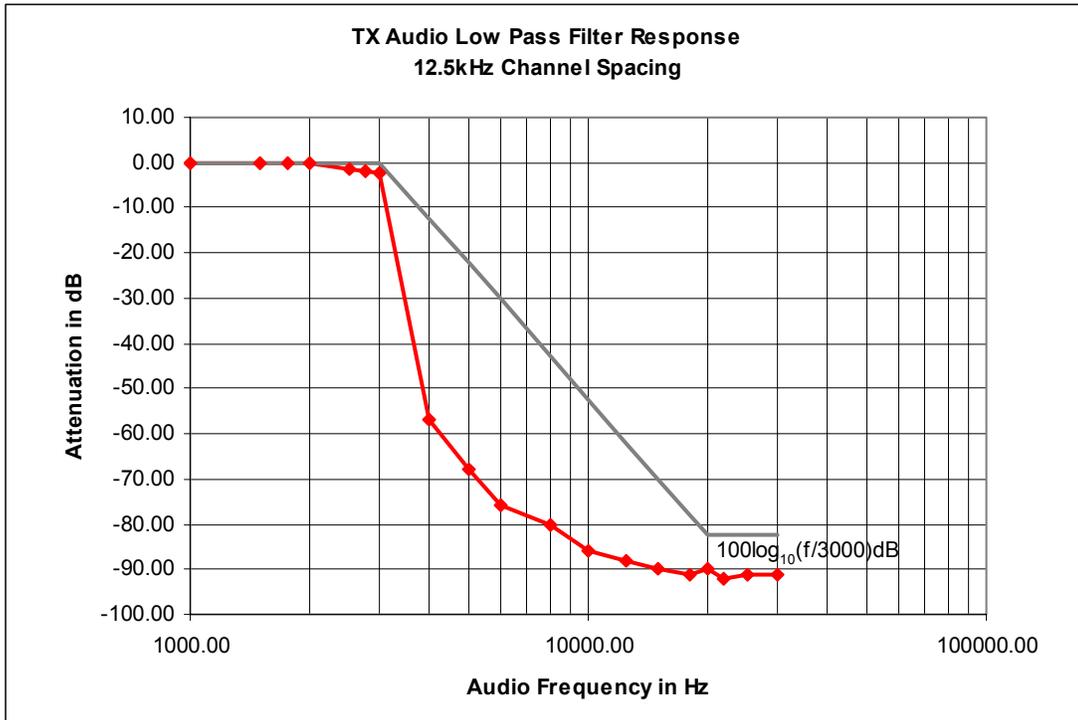


Figure 6C-1: 12.5 kHz Channel Spacing, 485.0125 MHz, Transmit Audio Low Pass Filter Response

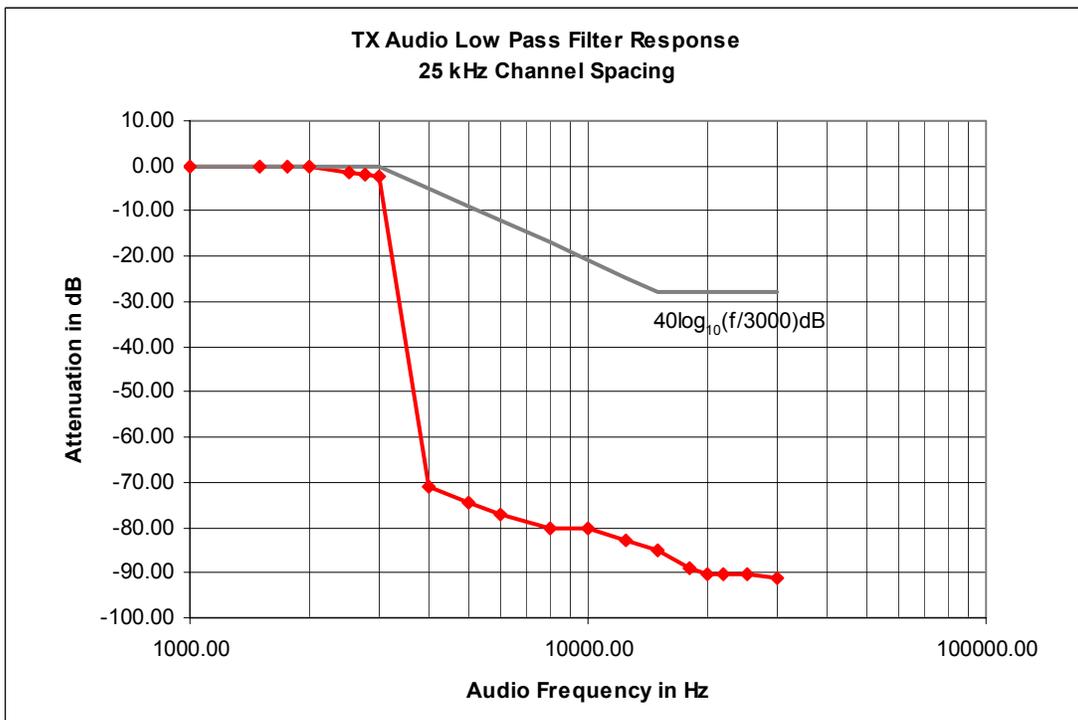


Figure 6C-2: 25 kHz Channel Spacing, 485.0125 MHz, Transmit Audio Low Pass Filter Response

EXHIBIT 6D

Modulation Limiting - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

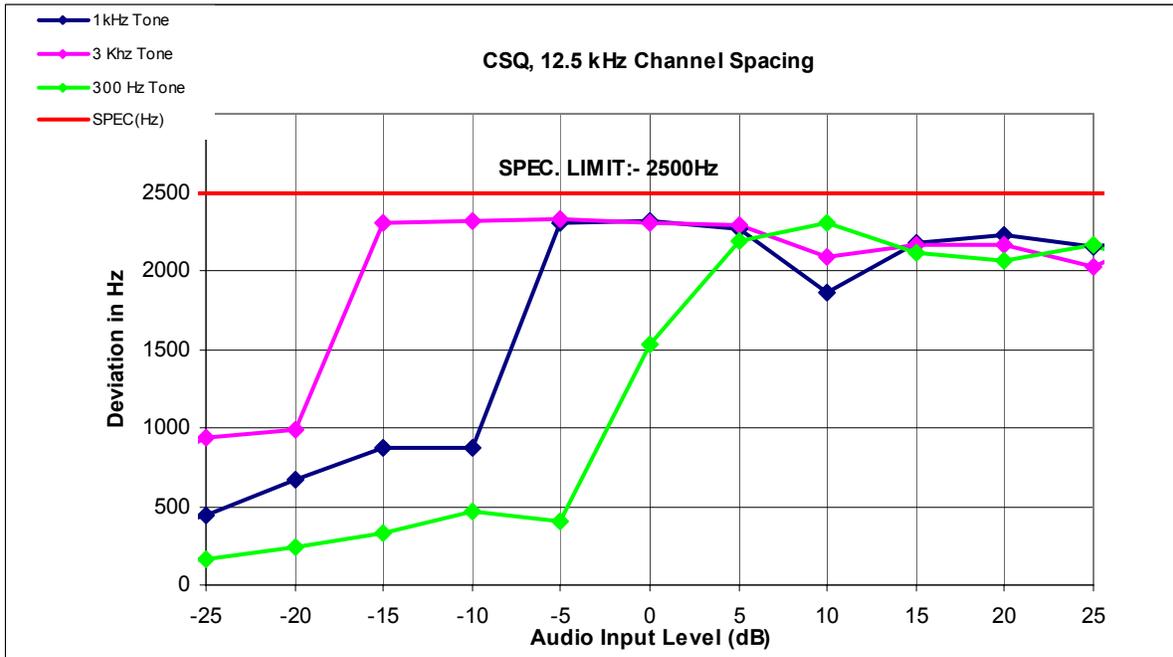


Figure 6D-1: 12.5 kHz Channel Spacing, 485.0125 MHz, Carrier Squelch (CSQ) Mode

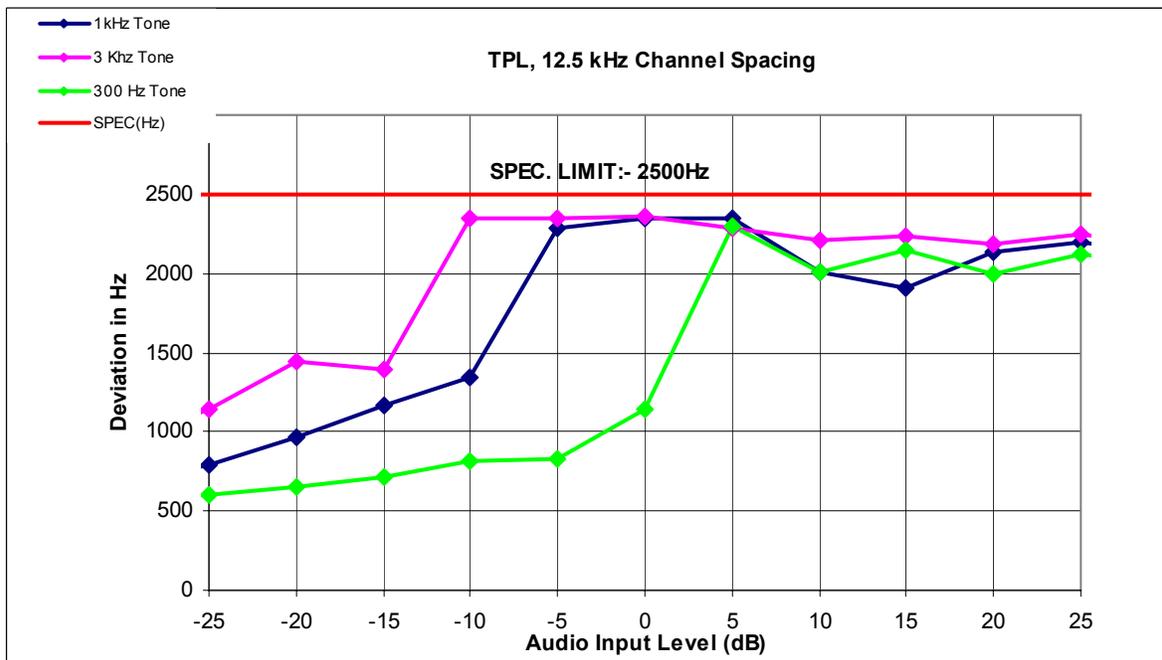


Figure 6D-2: 12.5 kHz Channel Spacing, 485.0125 MHz, Tone Private Line (TPL) Mode

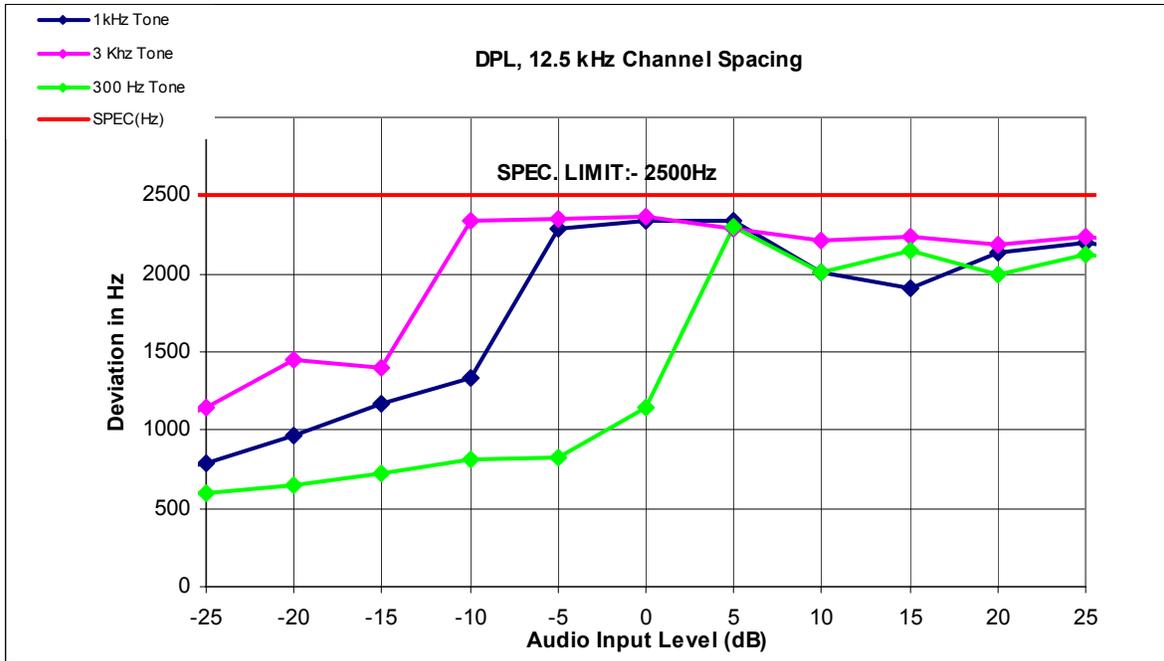


Figure 6D-3: 12.5 kHz Channel Spacing, 485.0125 MHz, Digital Private Line (DPL) Mode

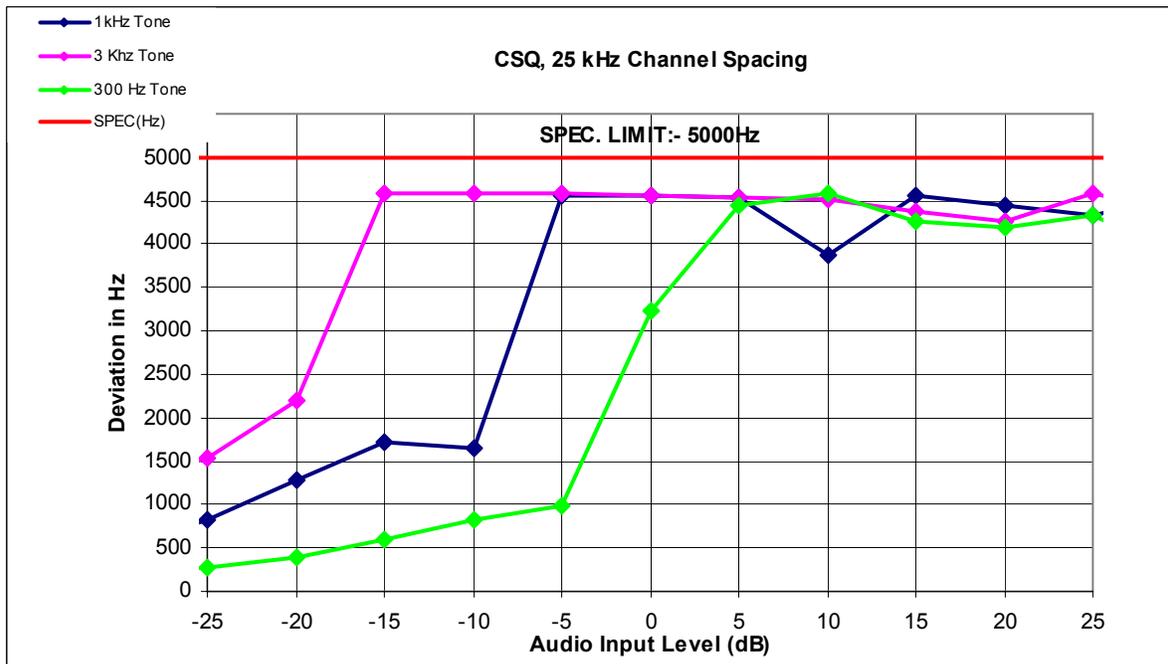


Figure 6D-4: 25 kHz Channel Spacing, 485.0125 MHz, Carrier Squelch (CSQ) Mode

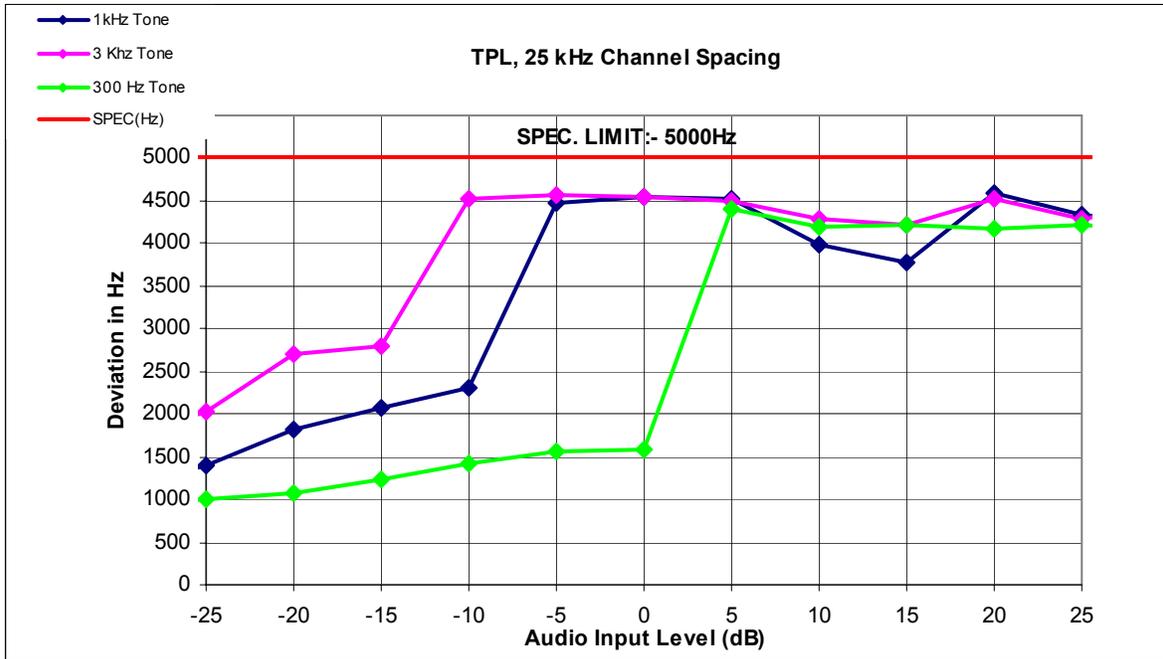


Figure 6D-5: 25 kHz Channel Spacing, 485.0125 MHz, Tone Private Line (TPL) Mode

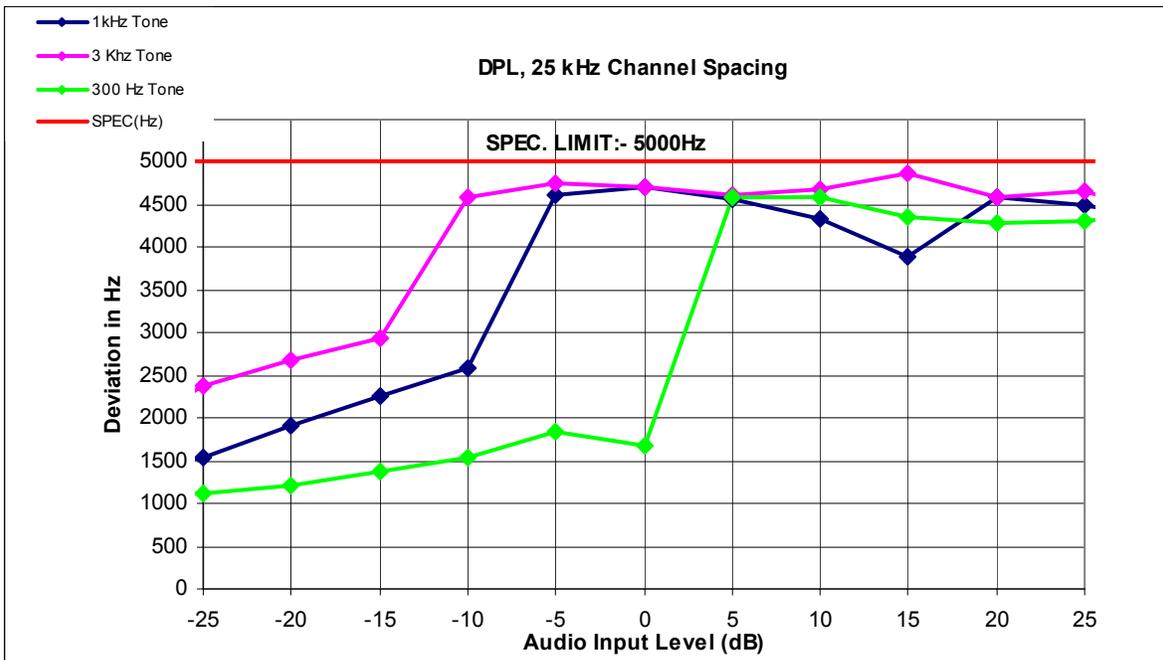


Figure 6D-6: 25 kHz Channel Spacing, 485.0125 MHz, Digital Private Line (DPL) Mode

EXHIBIT 6E

Occupied Bandwidth Data -- Pursuant 47 CFR 2.1049, 90.210(g) and 90.691

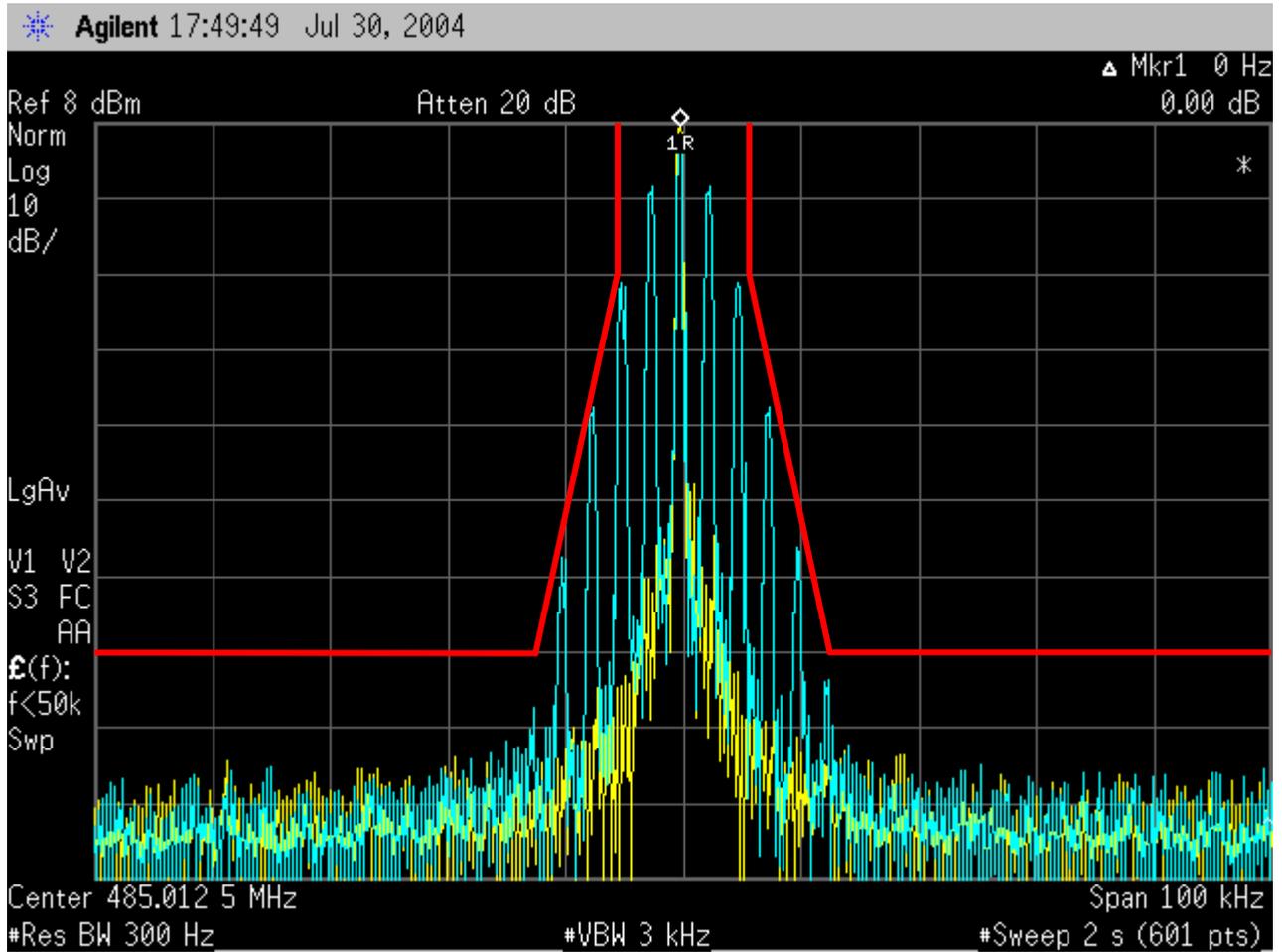


Figure 6E-1: 12.5 kHz Channel Spacing, 485.0125 MHz, 2500 Hz Audio Modulation Only, Mask D

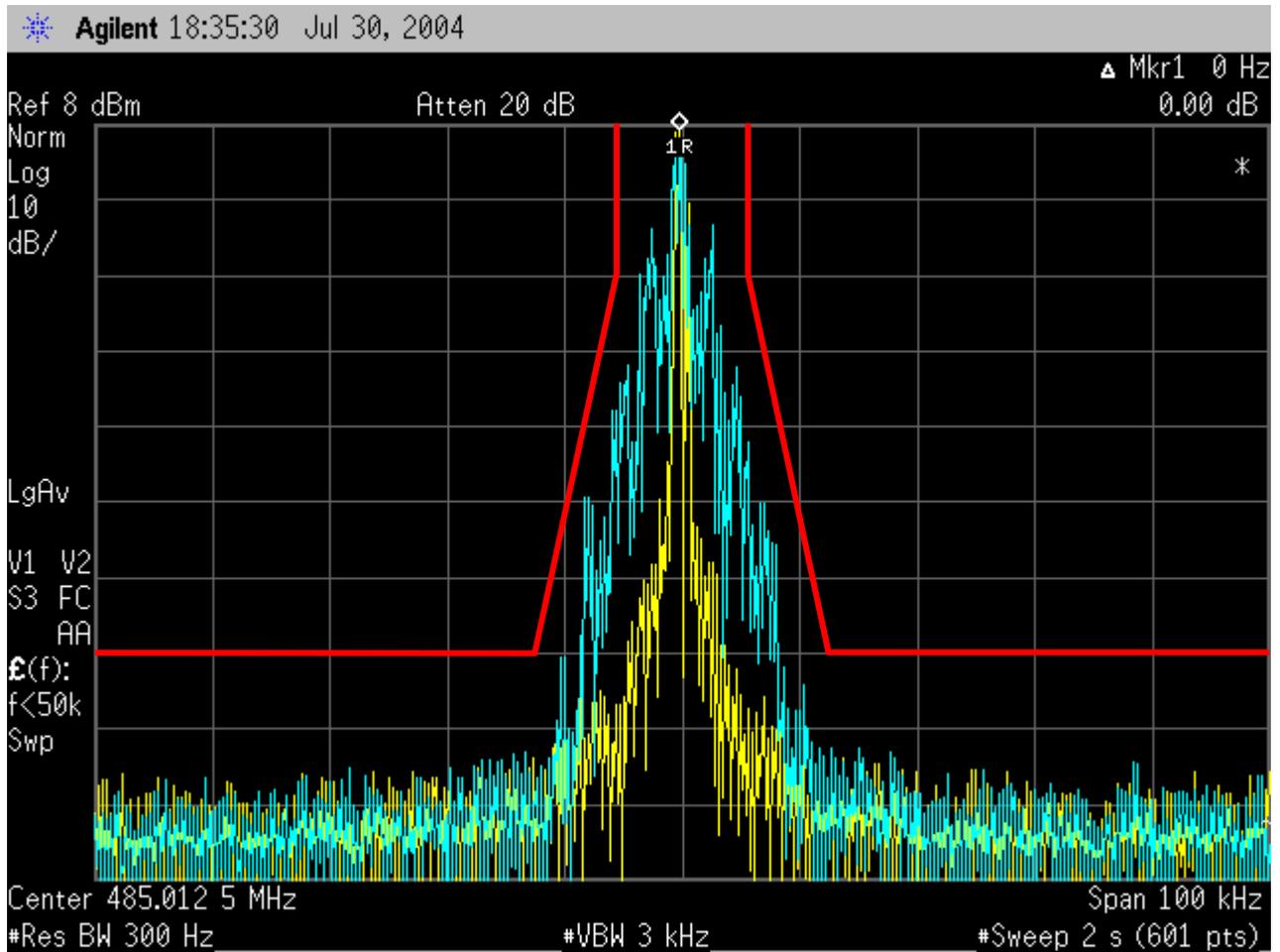


Figure 6E-2: 12.5 kHz Channel Spacing, 485.0125 MHz, 2500 Hz Audio and PL Tone Modulation, Mask D

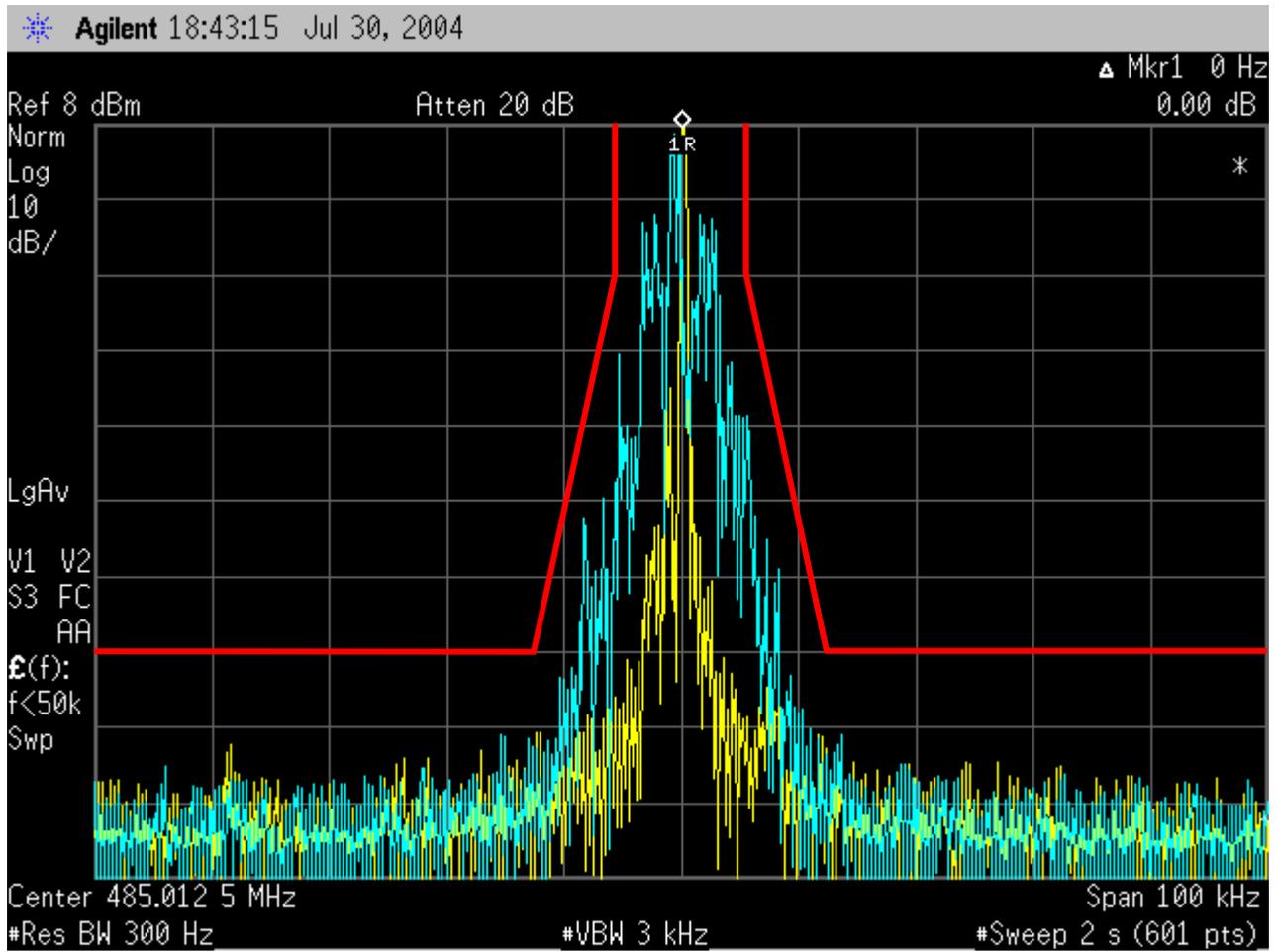


Figure 6E-3: 12.5 kHz Channel Spacing, 485.0125 MHz, 2500 Hz Audio and DPL Tone Modulation, Mask D

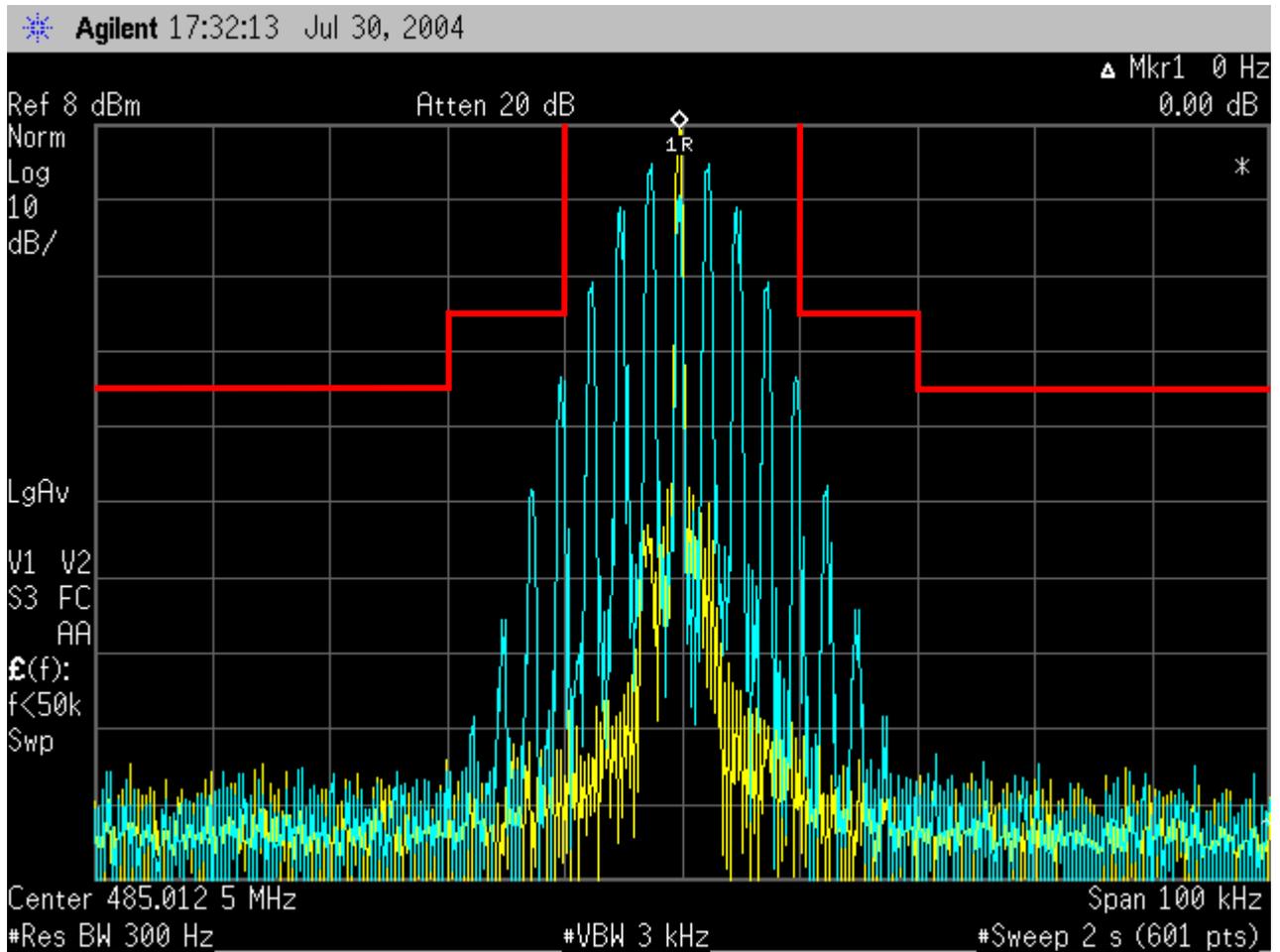


Figure 6E-4: 25 kHz Channel Spacing, 485.0125 MHz, 2500 Hz Audio Modulation Only, Mask B

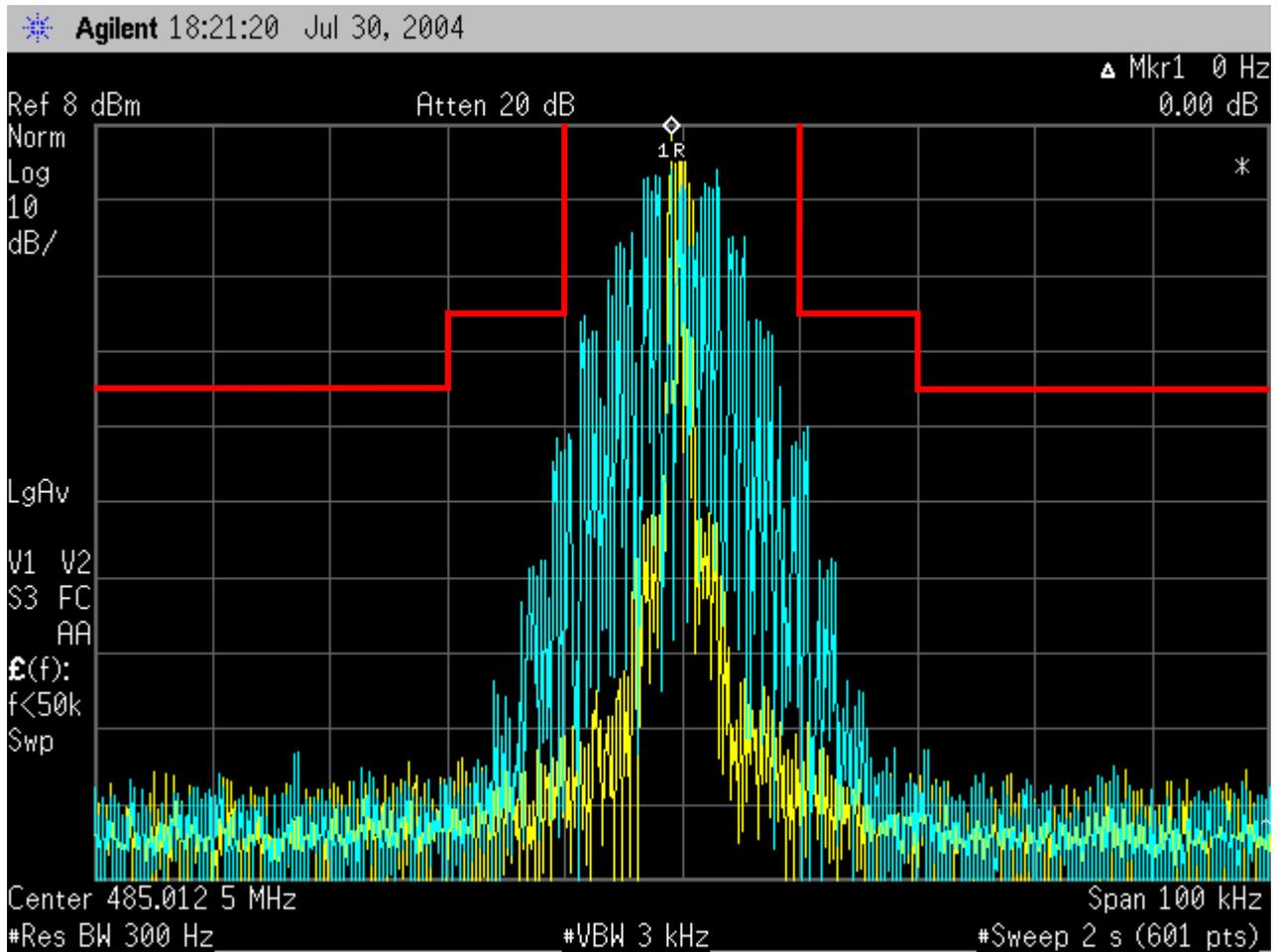


Figure 6E-5: 25 kHz Channel Spacing, 485.0125 MHz, 2500 Hz Audio and PL Tone Modulation, Mask B

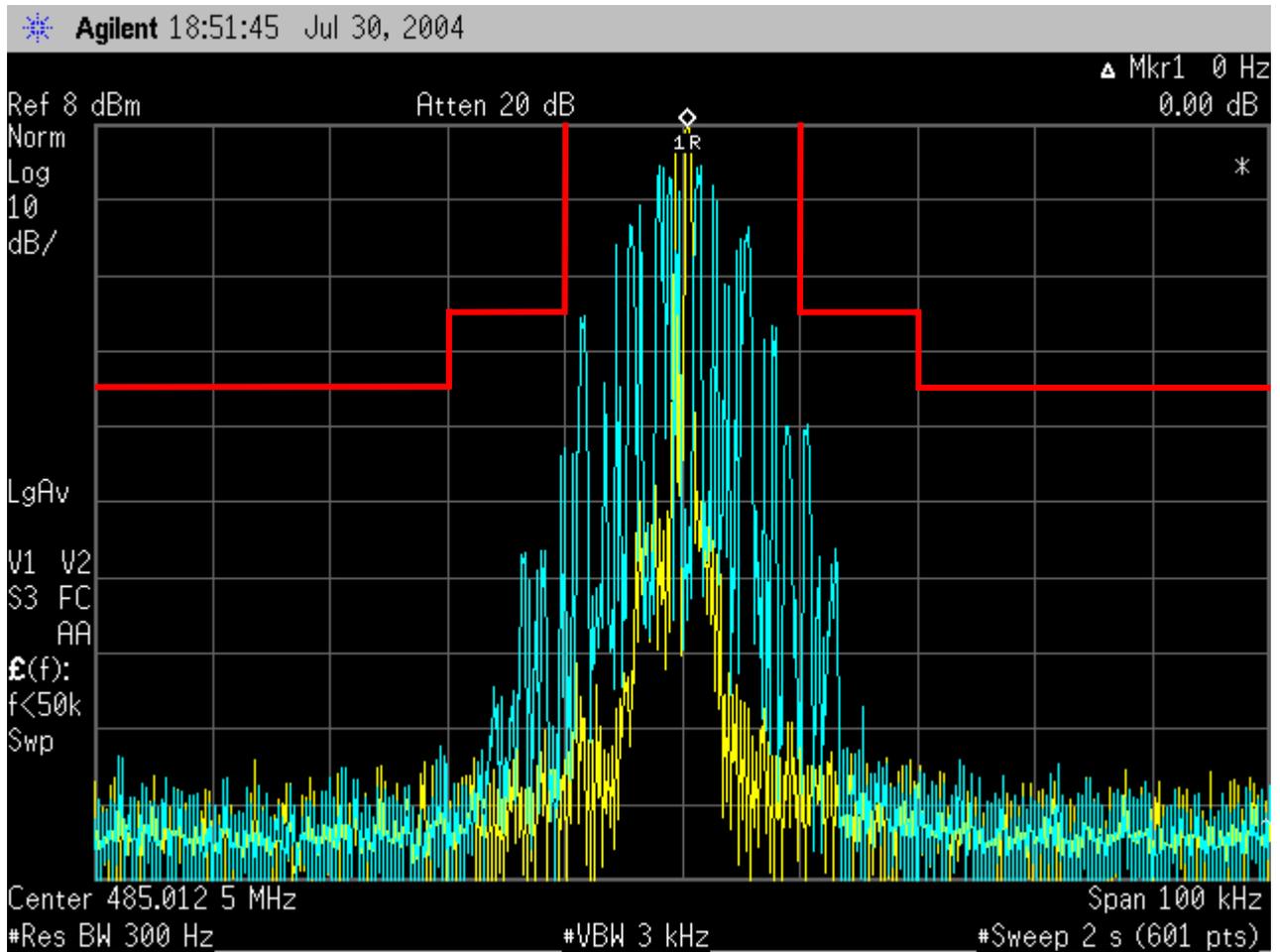


Figure 6E-6:25 kHz Channel Spacing, 485.0125 MHz, 2500 Hz Audio and DPL Tone Modulation, Mask B

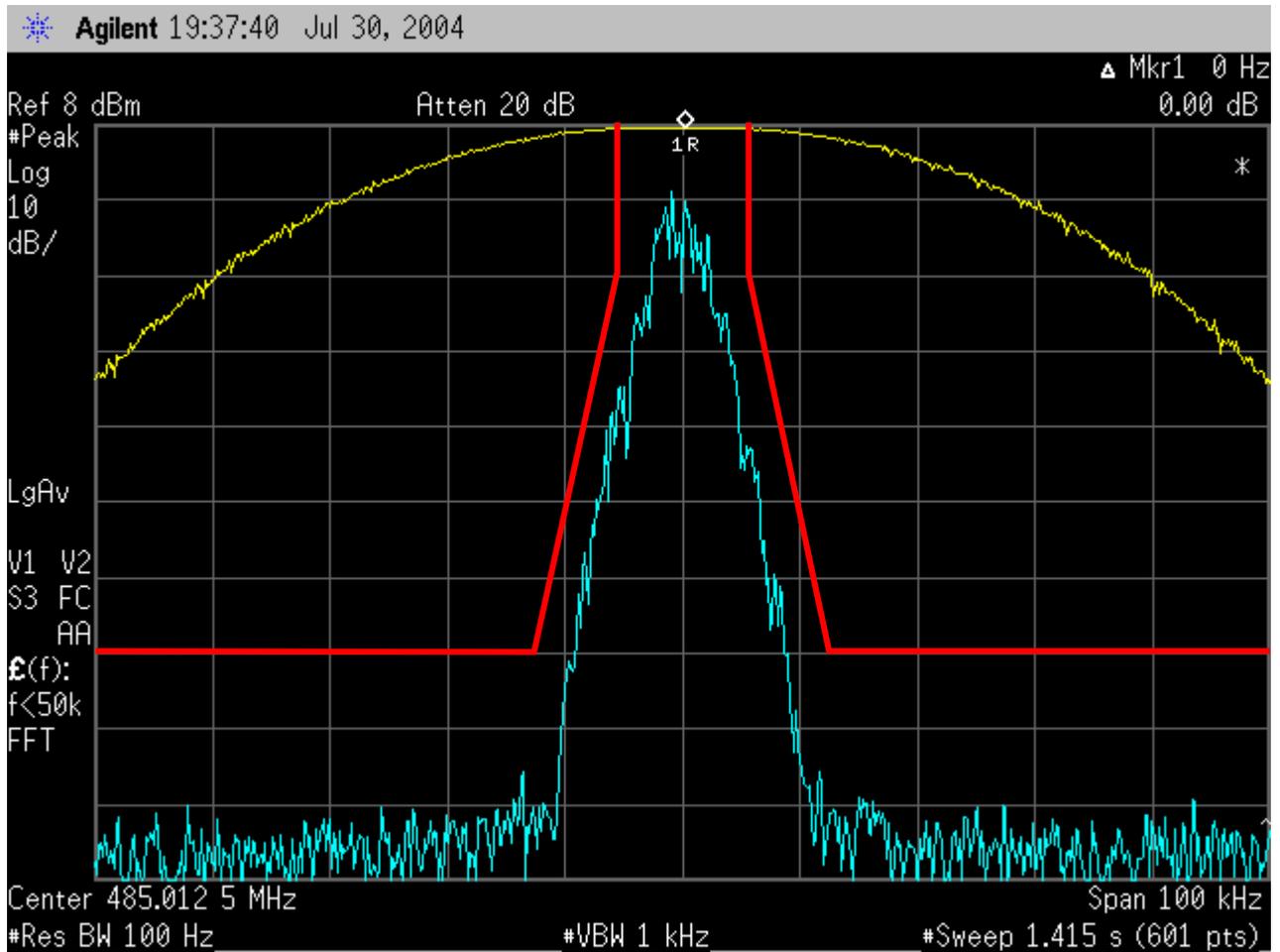


Figure 6E-7: 12.5 kHz Channel Spacing, 485.0125 MHz, APCO25 Digital Data (8K10F1D), Mask D

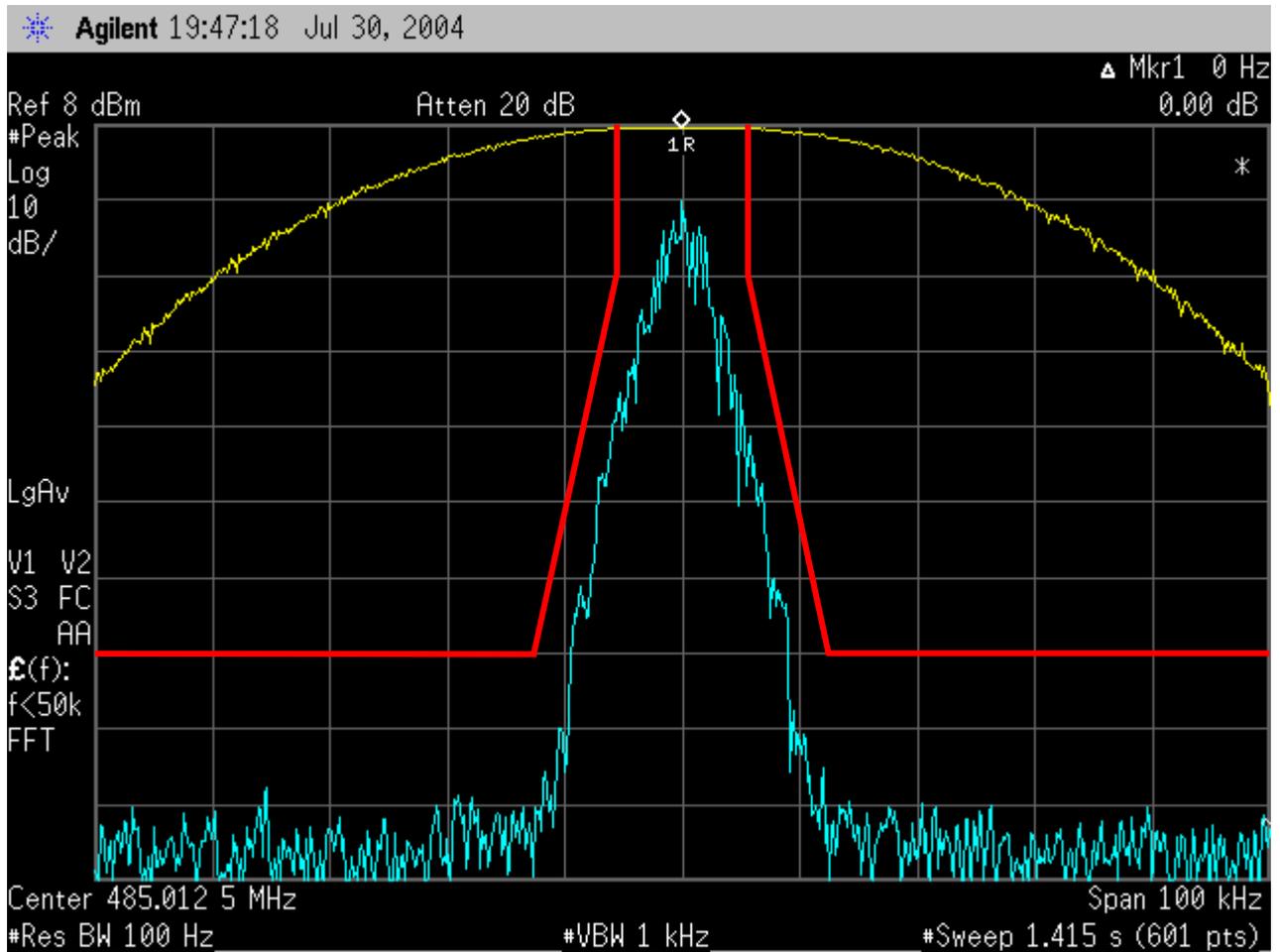
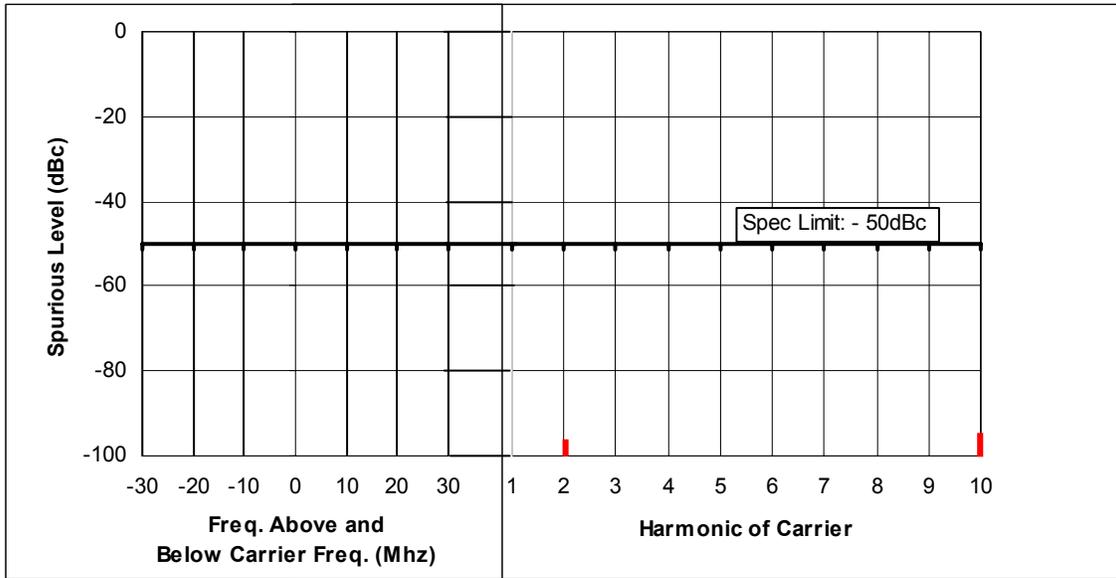


Figure 6E-8: 12.5 kHz Channel Spacing, 485.0125 MHz, APCO25 Digital Voice (8K10F1E), Mask D

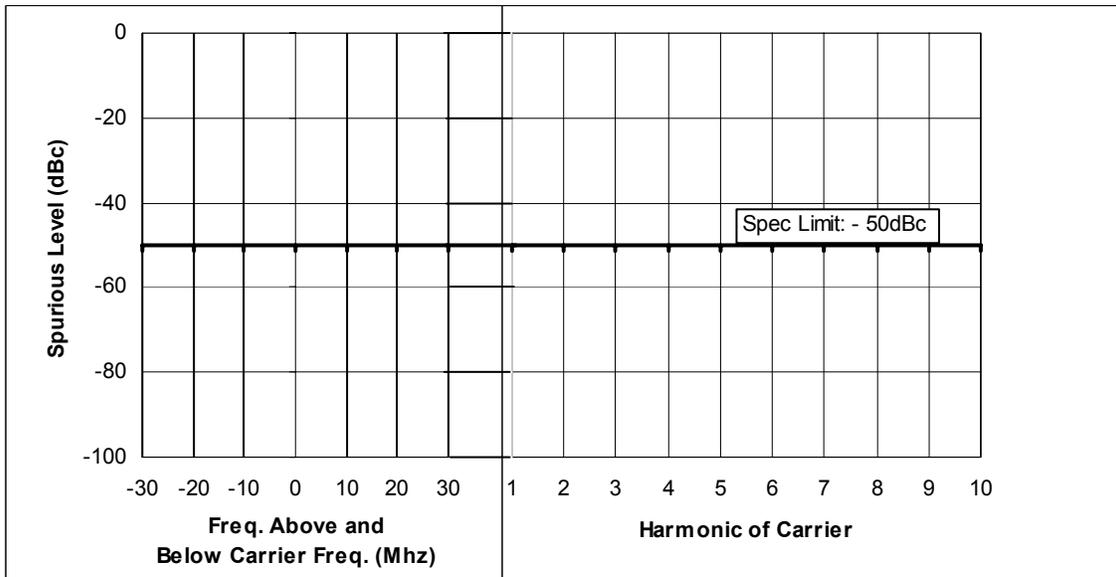
**EXHIBIT 6F-1: Using 5185633C51 Power Amplifier**

**Transmitter Conducted Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c) (13)**

Note: Display lines on graphs correspond to the FCC limit of -13dBm(25kHz) & -20dBm(12.5kHz).



**Table 6F-1-1: 1 Watt Harmonic of Carrier 450.0125 MHz, 12.5 kHz Channel Spacing**



**Table 6F-1-2: 1 Watt Harmonic of Carrier 485.0125 MHz, 12.5 kHz Channel Spacing**

Note: Spurs which are not shown is 47dB below the specification limits.

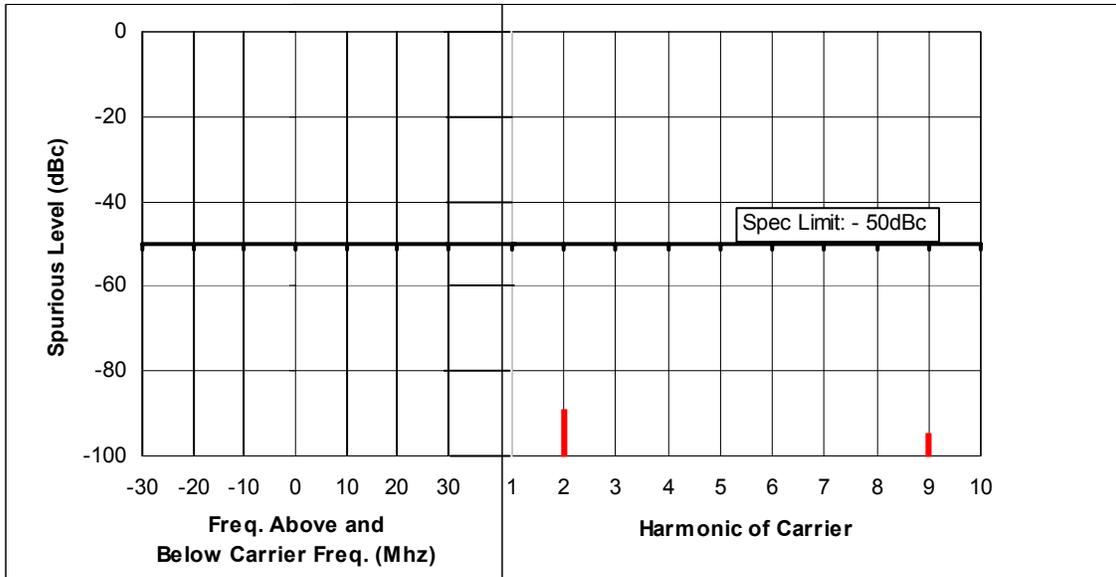


Table 6F-1-3: 1 Watt Harmonic of Carrier 519.9875 MHz, 12.5 kHz Channel Spacing

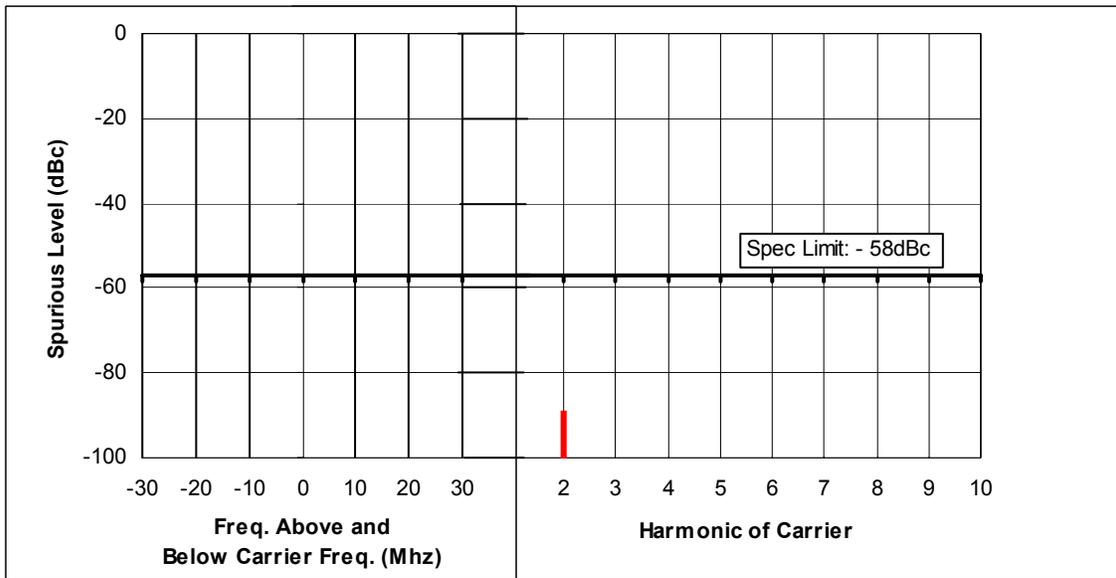
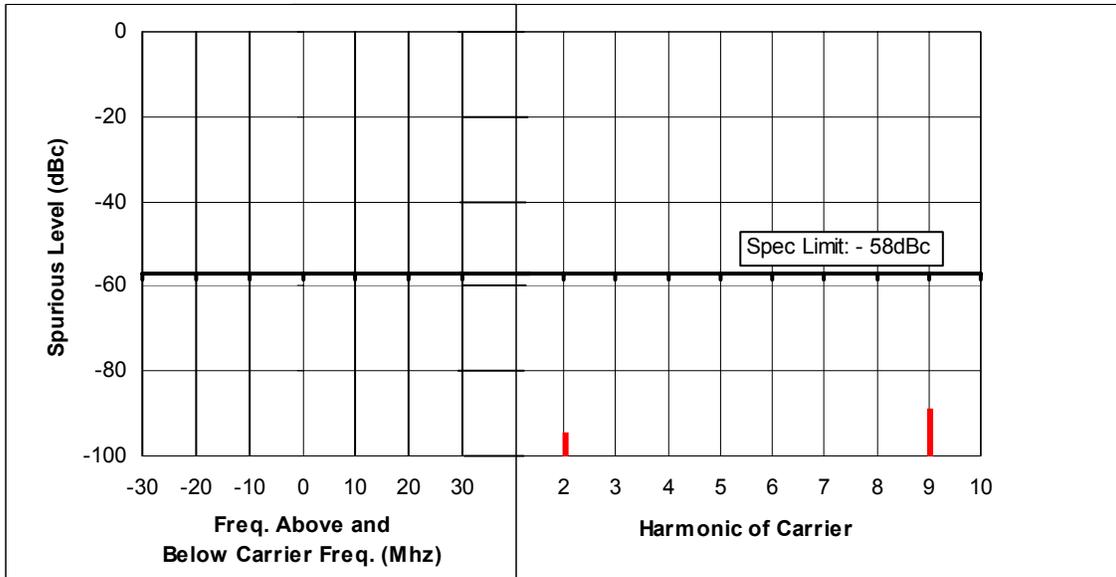
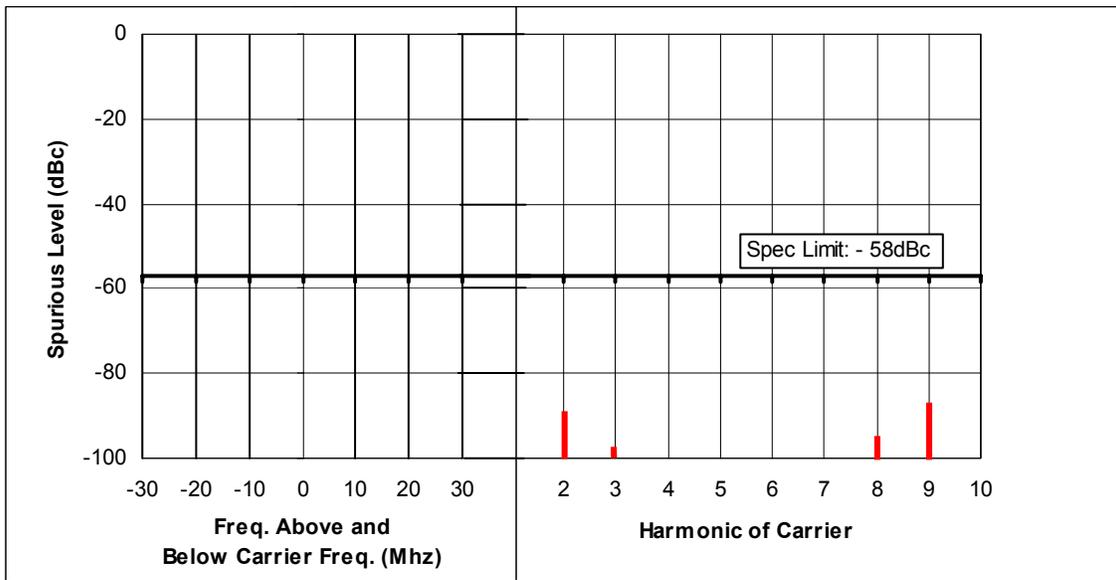


Table 6F-1-4: 6 Watts Harmonic of Carrier 450.0125 MHz, 12.5 kHz Channel Spacing

Note: Spurs which are not shown is 47dB below the specification limits.



**Table 6F-1-5: 6 Watts Harmonic of Carrier 485.0125 MHz, 12.5 kHz Channel Spacing**



**Table 6F-1-6: 6 Watts Harmonic of Carrier 519.9875 MHz, 12.5 kHz Channel Spacing**

Note: Spurs which are not shown is 42dB below the specification limits.

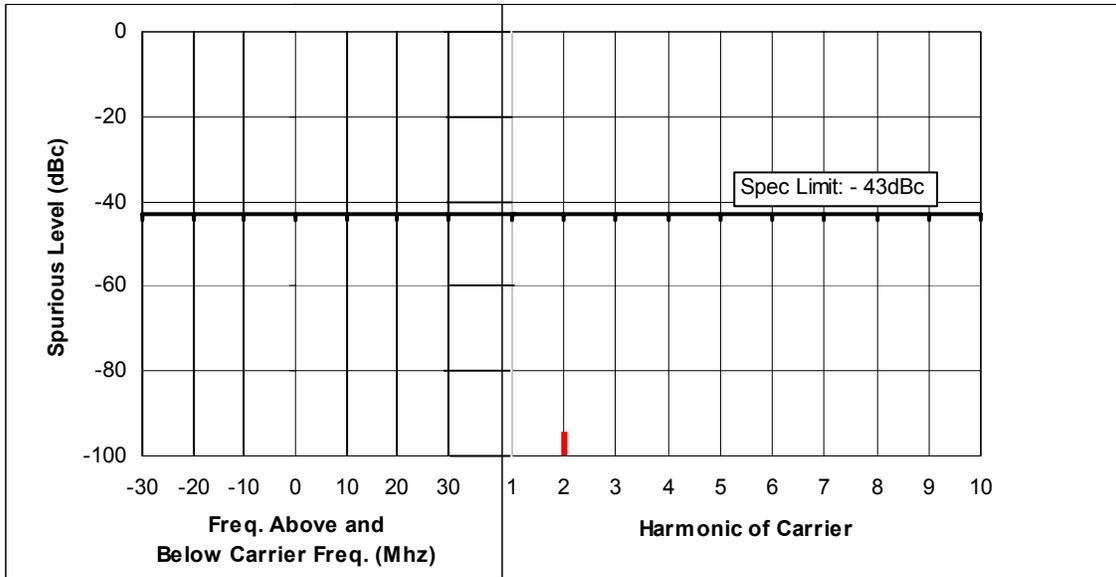


Table 6F-1-7: 1 Watt Harmonic of Carrier 450.0125 MHz, 25 kHz Channel Spacing

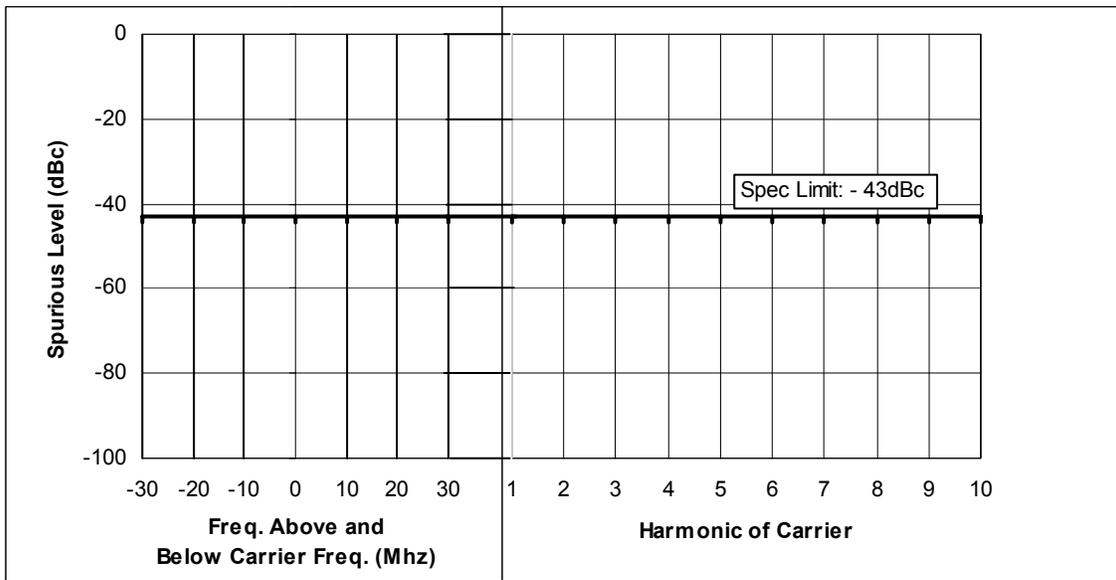


Table 6F-1-8: 1 Watt Harmonic of Carrier 485.0125 MHz, 25 kHz Channel Spacing

Note: Spurs which are not shown is 54dB below the specification limits.

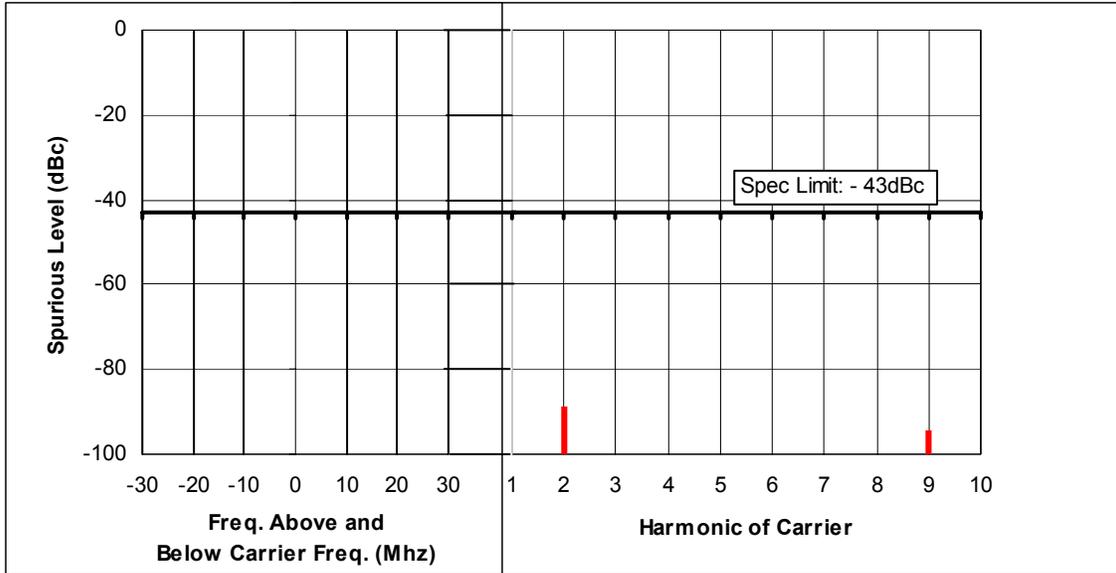


Table 6F-1-9: 1 Watt Harmonic of Carrier 519.9875 MHz, 25 kHz Channel Spacing

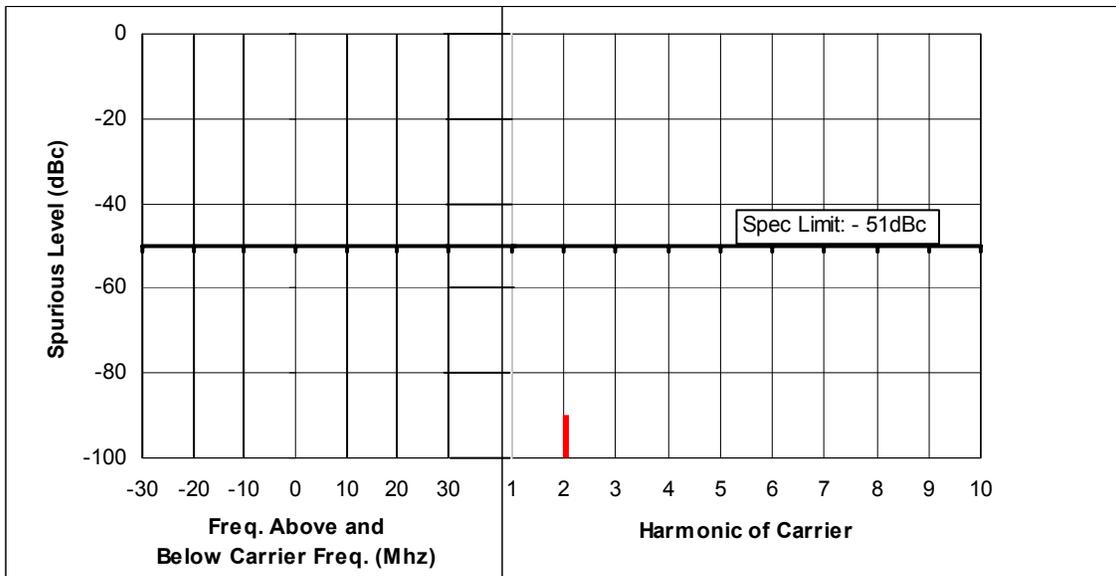
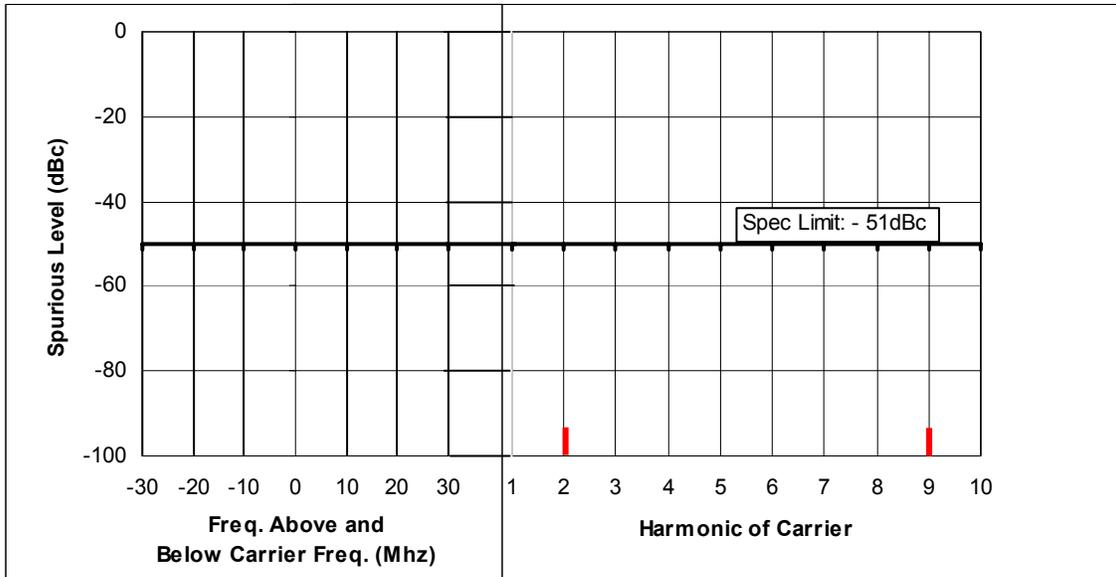
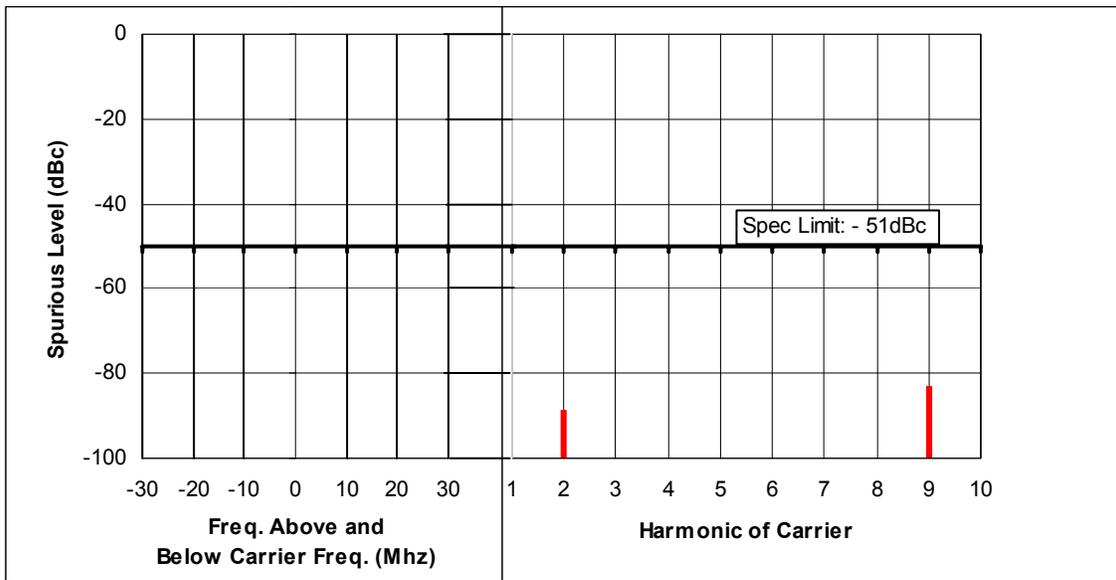


Table 6F-1-10: 6 Watts Harmonic of Carrier 450.0125 MHz, 25 kHz Channel Spacing

Note: Spurs which are not shown is 54dB below the specification limits.



**Table 6F-1-11: 6 Watts Harmonic of Carrier 485.0125 MHz, 25 kHz Channel Spacing**



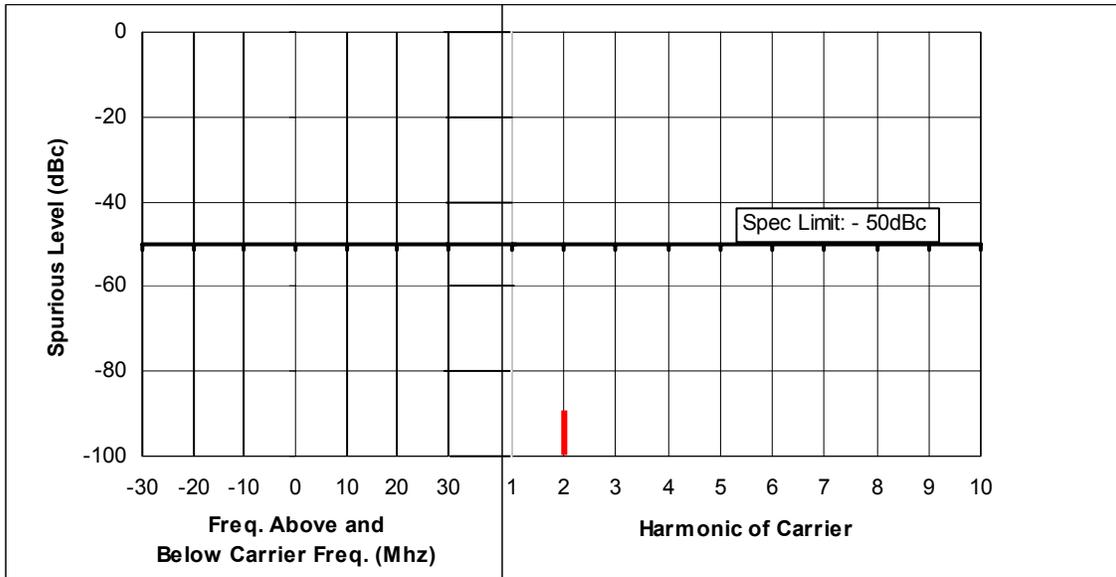
**Table 6F-1-12: 6 Watts Harmonic of Carrier 519.9875 MHz, 25 kHz Channel Spacing**

Note: Spurs which are not shown is 49dB below the specification limits.

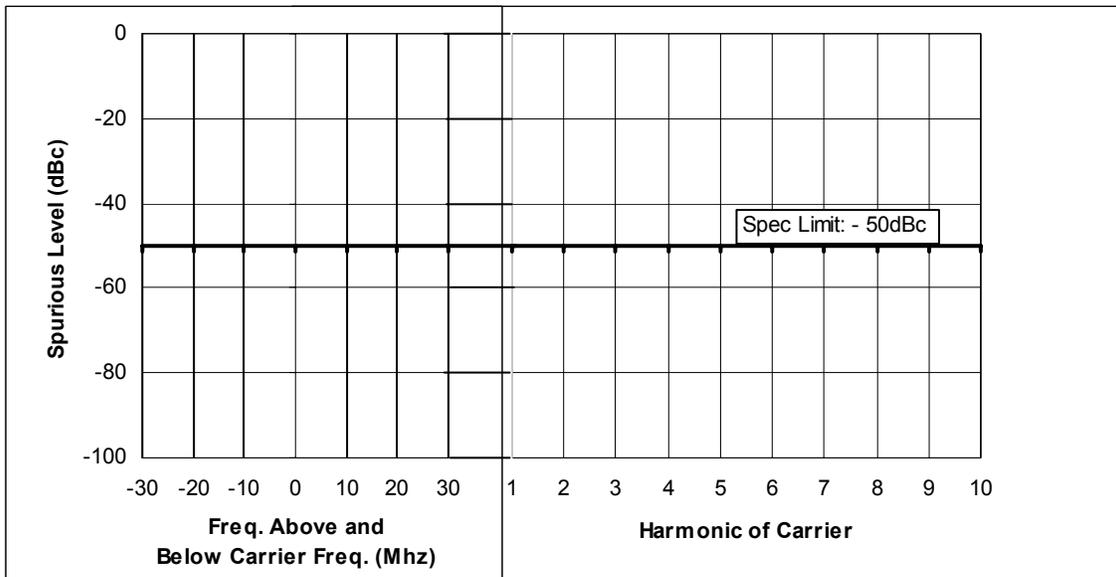
**EXHIBIT 6F-2 : Using 5185633C61 Power Amplifier**

**Transmitter Conducted Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c) (13)**

Note: Display lines on graphs correspond to the FCC limit of -13dBm(25kHz) and -20dBm(12.5kHz).

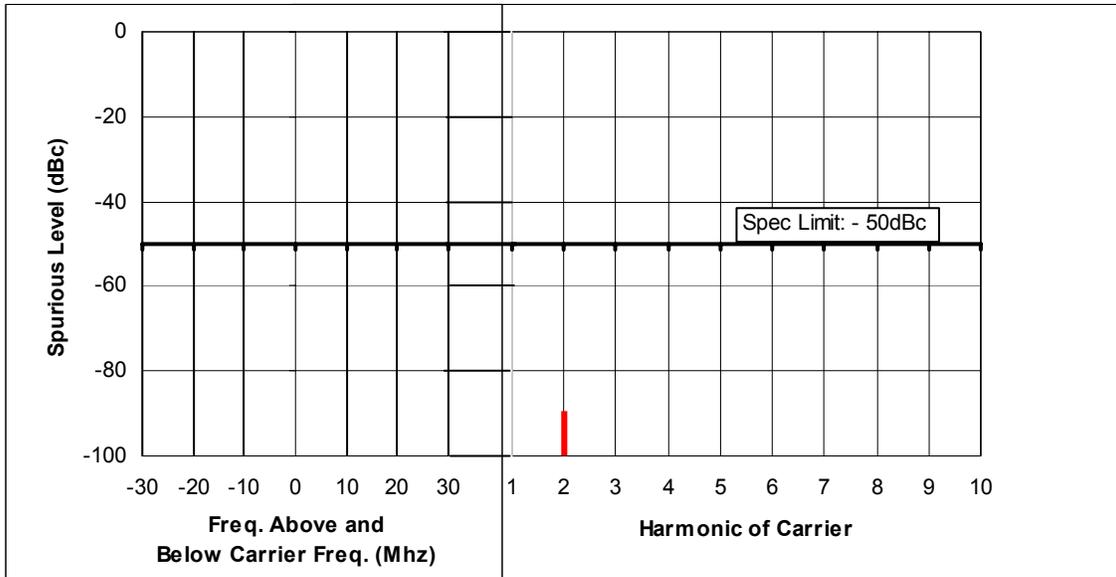


**Table 6F-2-1: 1 Watt Harmonic of Carrier 450.0125 MHz, 12.5 kHz Channel Spacing**

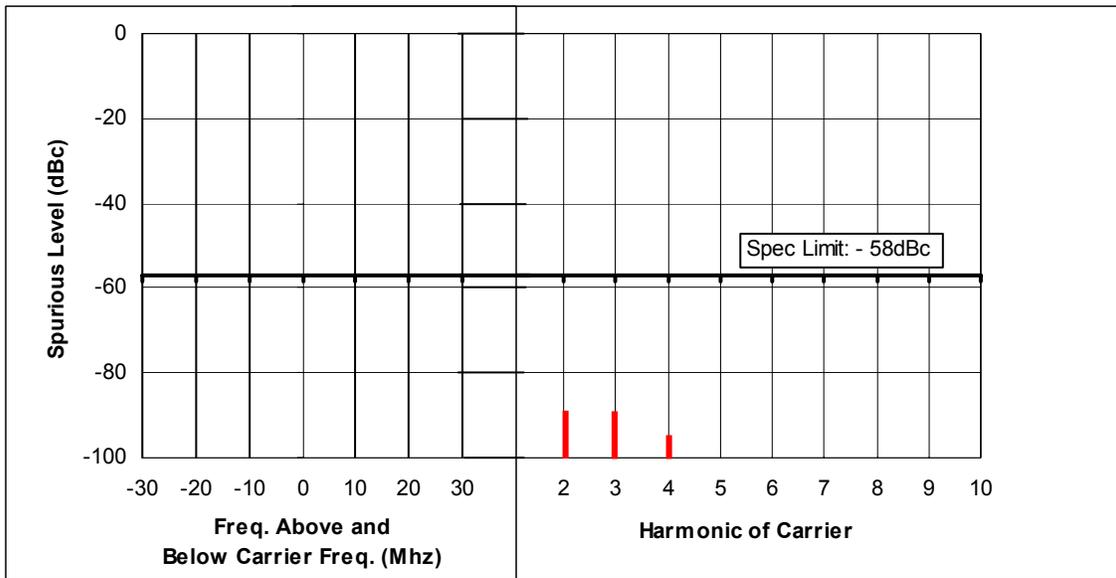


**Table 6F-2-2: 1 Watt Harmonic of Carrier 485.0125 MHz, 12.5 kHz Channel Spacing**

Note: Spurs which are not shown is 47dB below the specification limits.

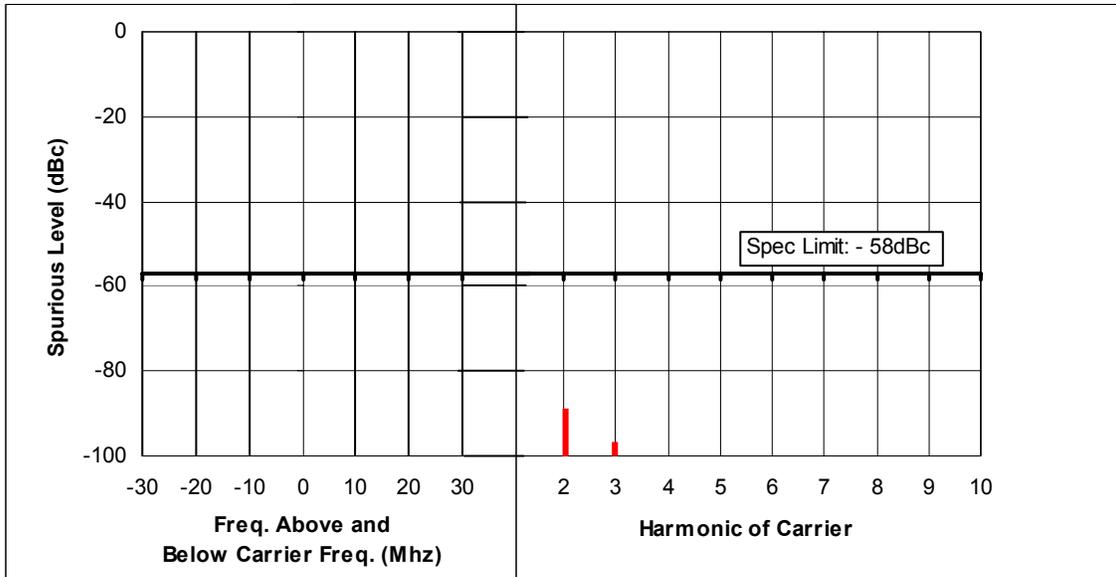


**Table 6F-2-3: 1 Watt Harmonic of Carrier 519.9875 MHz, 12.5 kHz Channel Spacing**

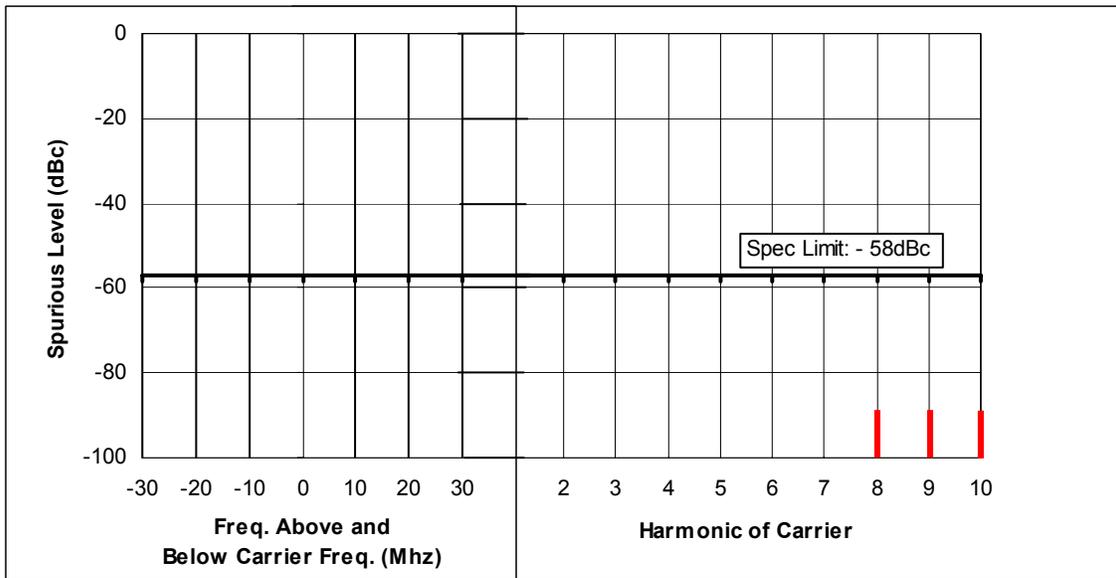


**Table 6F-2-4: 6 Watts Harmonic of Carrier 450.0125 MHz, 12.5 kHz Channel Spacing**

Note: Spurs which are not shown is 47dB below the specification limits.



**Table 6F-2-5: 6 Watts Harmonic of Carrier 485.0125 MHz, 12.5 kHz Channel Spacing**



**Table 6F-2-6: 6 Watts Harmonic of Carrier 519.9875 MHz, 12.5 kHz Channel Spacing**

Note: Spurs which are not shown is 42dB below the specification limits.

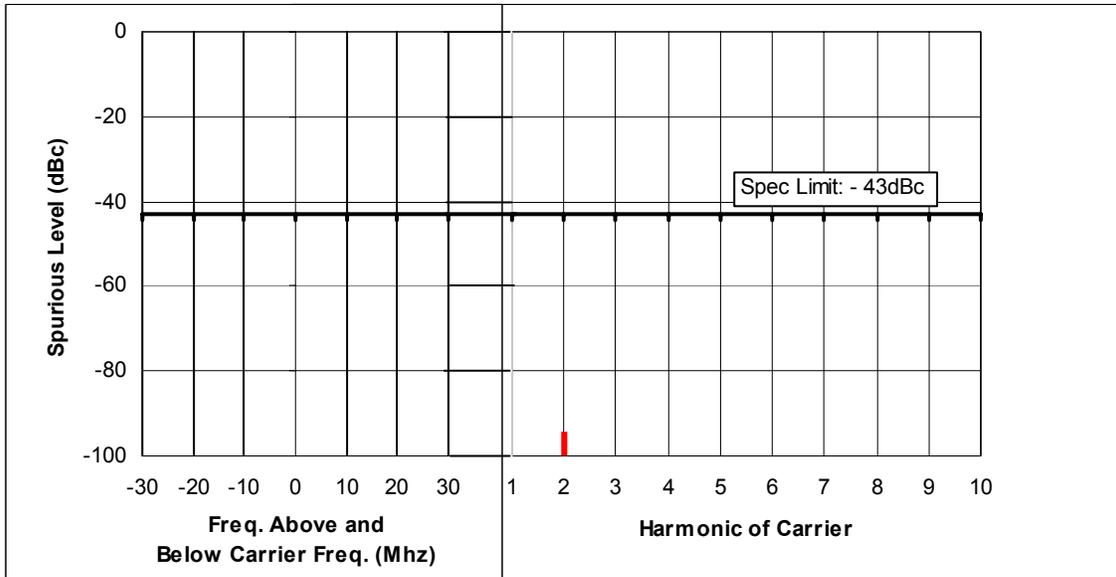


Table 6F-2-7: 1 Watt Harmonic of Carrier 450.0125 MHz, 25 kHz Channel Spacing

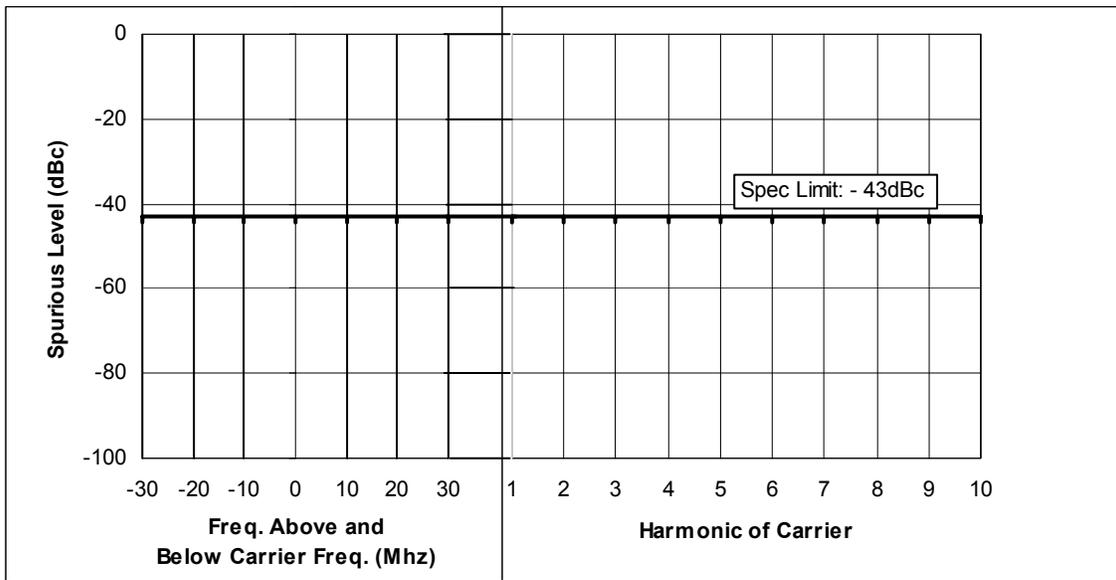
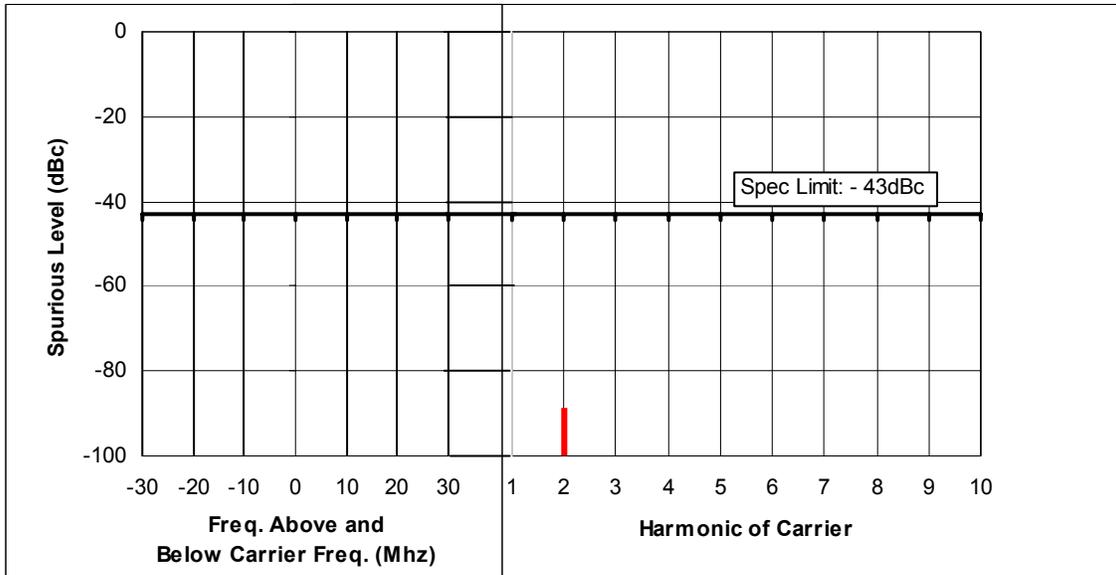
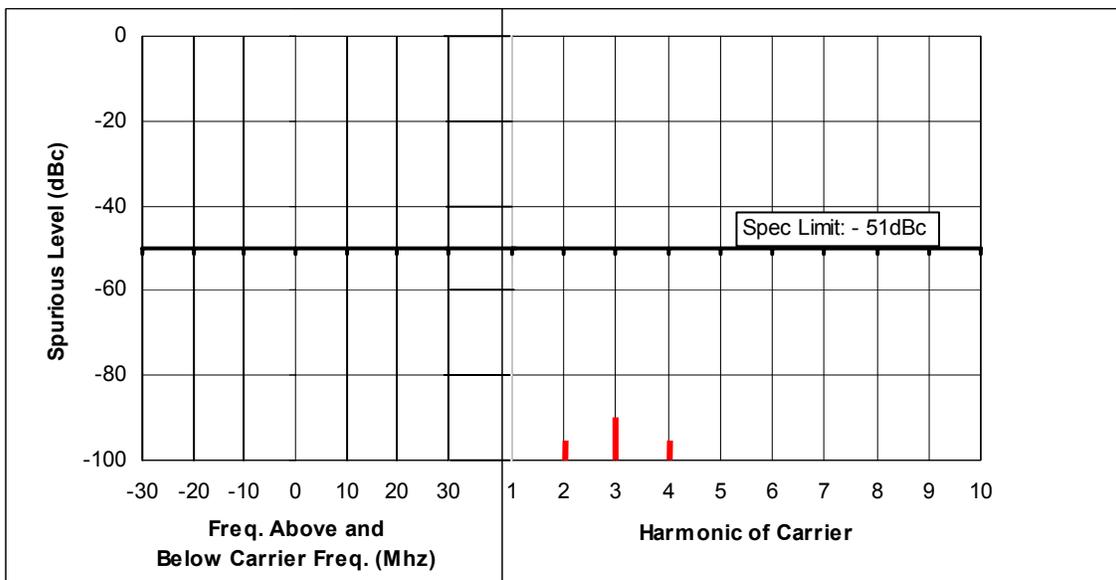


Table 6F-2-8: 1 Watt Harmonic of Carrier 485.0125 MHz, 25 kHz Channel Spacing

Note: Spurs which are not shown is 54dB below the specification limits.



**Table 6F-2-9: 1 Watt Harmonic of Carrier 519.9875 MHz, 25 kHz Channel Spacing**



**Table 6F-2-10: 6 Watts Harmonic of Carrier 450.0125 MHz, 25 kHz Channel Spacing**

Note: Spurs which are not shown is 54dB below the specification limits.

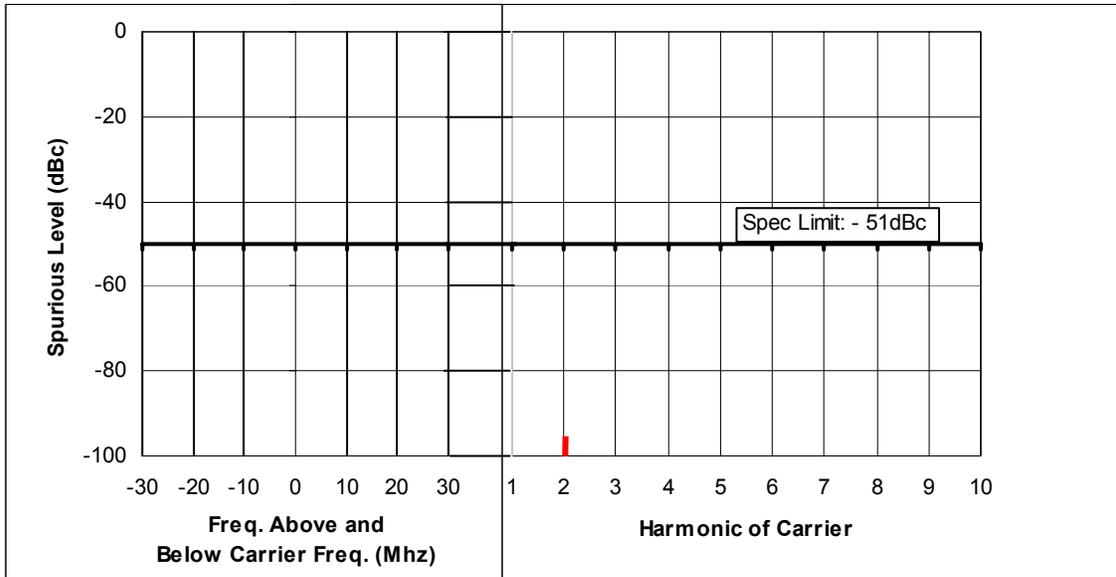


Table 6F-2-11: 6 Watts Harmonic of Carrier 485.0125 MHz, 25 kHz Channel Spacing

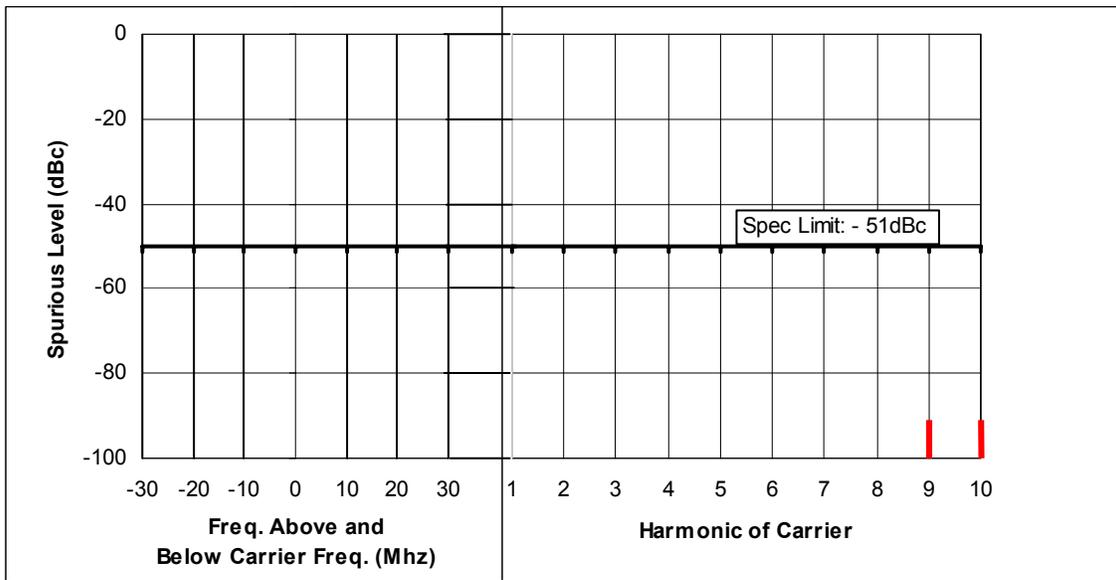


Table 6F-2-12: 6 Watts Harmonic of Carrier 519.9875 MHz, 25 kHz Channel Spacing

Note: Spurs which are not shown is 49dB below the specification limits.

EXHIBIT 6G-1: Using 5195633C51 Power Amplifier

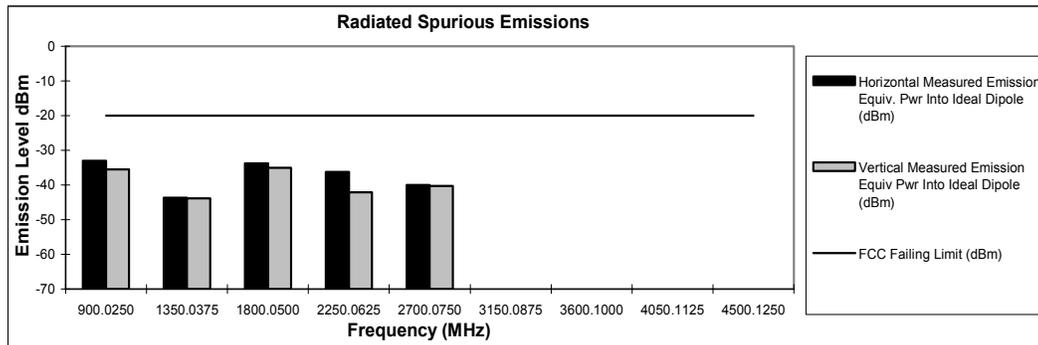
Transmitter Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

Tx Power: 2.8 Watts

450.0125 MHz

Channel Spacing 12.5kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-20	-33.00	-35.46
1350.0375	-20	-43.69	-43.86
1800.0500	-20	-33.74	-35.06
2250.0625	-20	-36.19	-42.10
2700.0750	-20	-40.01	-40.27
3150.0875	-20	*	*
3600.1000	-20	*	*
4050.1125	-20	*	*
4500.1250	-20	*	*



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

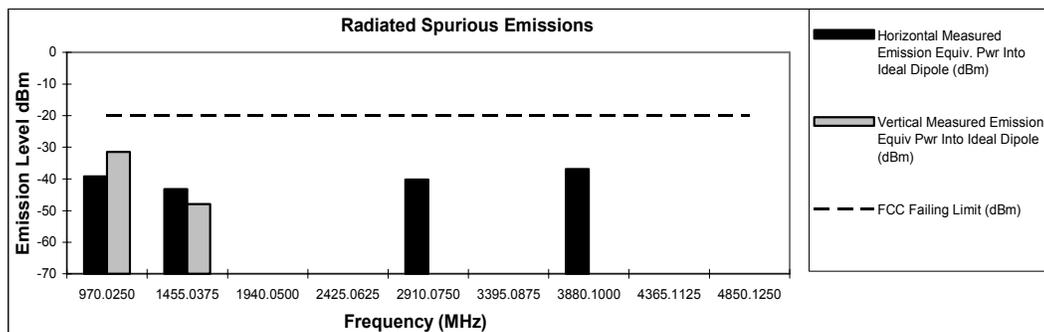
Graph 6G-1-1: 2 Watts, 450.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.8 Watts

485.0125 MHz

Channel Spacing 12.5kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
970.0250	-20	-39.19	-31.46
1455.0375	-20	-43.19	-47.95
1940.0500	-20	*	*
2425.0625	-20	*	*
2910.0750	-20	-40.19	*
3395.0875	-20	*	*
3880.1000	-20	-36.83	*
4365.1125	-20	*	*
4850.1250	-20	*	*



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

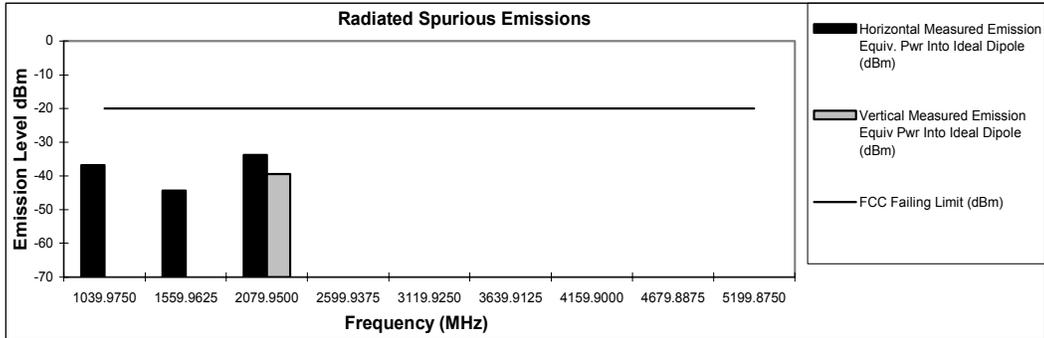
Graph 6G-1-2: 2 Watts, 485.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.8 Watts

519.9875 MHz

Channel Spacing 12.5kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-20	-36.81	*
1559.9625	-20	-44.40	*
2079.9500	-20	-33.81	-39.41
2599.9375	-20	*	*
3119.9250	-20	*	*
3639.9125	-20	*	*
4159.9000	-20	*	*
4679.8875	-20	*	*
5199.8750	-20	*	*



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

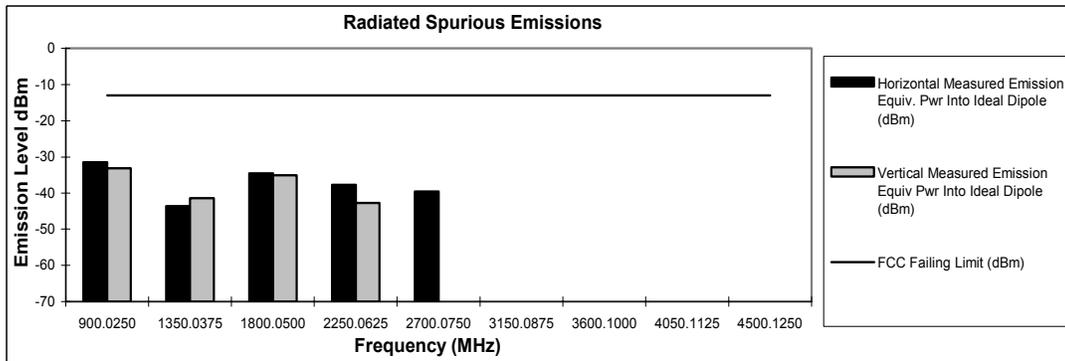
Graph 6G-1-3: 2 Watts, 519.9875 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.8 Watts

450.0125 MHz

Channel Spacing 25kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-13	-31.46	-33.14
1350.0375	-13	-43.54	-41.39
1800.0500	-13	-34.52	-35.09
2250.0625	-13	-37.74	-42.68
2700.0750	-13	-39.57	*
3150.0875	-13	*	*
3600.1000	-13	*	*
4050.1125	-13	*	*
4500.1250	-13	*	*



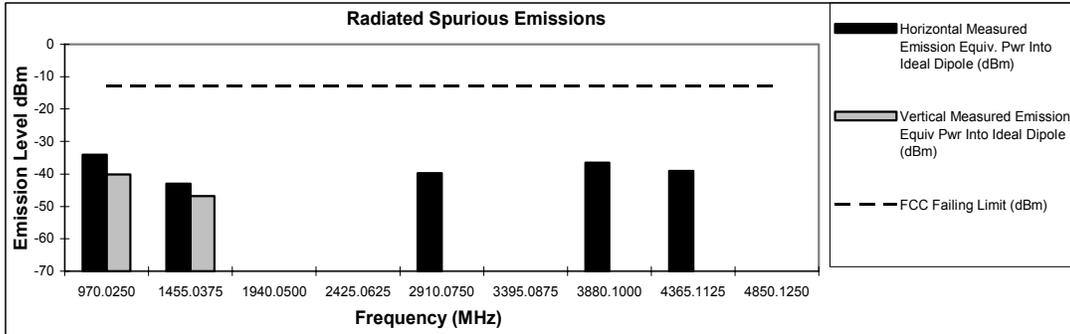
Graph 6G-1-4: 2 Watts, 450.0125 MHz, 25 kHz Channel Spacing

Tx Power: 2.8 Watts

485.0125 MHz

Channel Spacing 25kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
970.0250	-13	-34.09	-40.21
1455.0375	-13	-43.01	-46.87
1940.0500	-13	*	*
2425.0625	-13	*	*
2910.0750	-13	-39.79	*
3395.0875	-13	*	*
3880.1000	-13	-36.59	*
4365.1125	-13	-39.09	*
4850.1250	-13	*	*



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

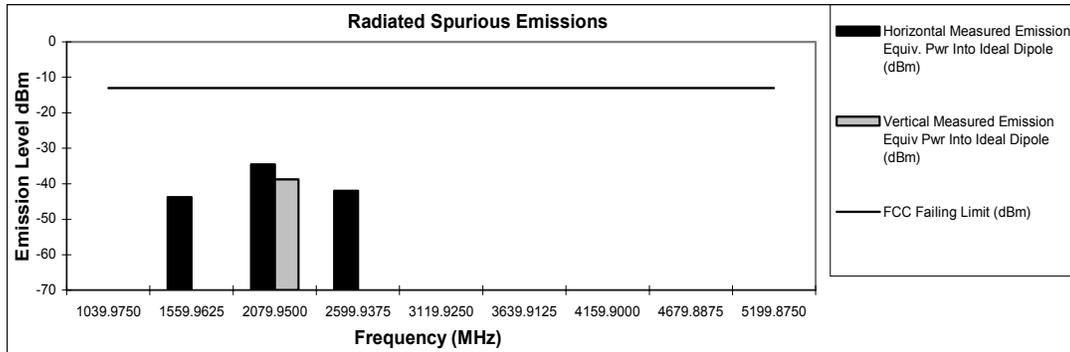
Graph 6G-1-5: 2 Watts, 485.0125 MHz, 25 kHz Channel Spacing

Tx Power: 2.8 Watts

519.9875 MHz

Channel Spacing 25kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-13	*	*
1559.9625	-13	-43.76	*
2079.9500	-13	-34.48	-38.74
2599.9375	-13	-41.97	*
3119.9250	-13	*	*
3639.9125	-13	*	*
4159.9000	-13	*	*
4679.8875	-13	*	*
5199.8750	-13	*	*



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

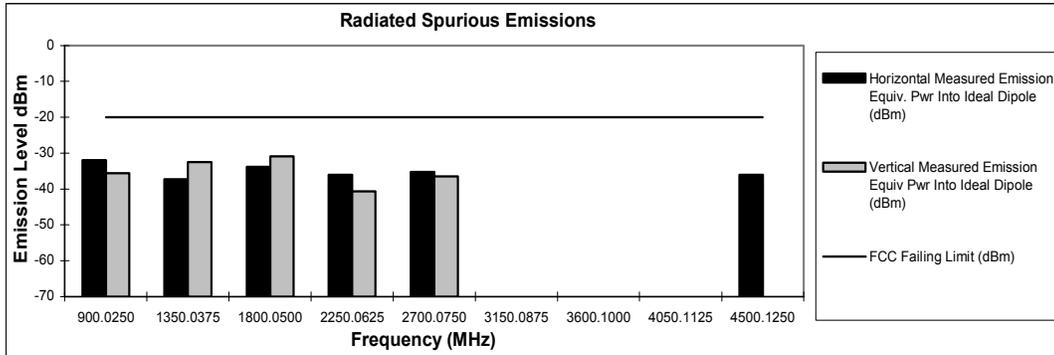
Graph 6G-1- 6: 2 Watts, 519.9875 MHz, 25 kHz Channel Spacing

Tx Power: 6 Watts

450.0125 MHz

Channel Spacing 12.5kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-20	-31.96	-35.58
1350.0375	-20	-37.29	-32.49
1800.0500	-20	-33.86	-30.88
2250.0625	-20	-36.06	-40.64
2700.0750	-20	-35.23	-36.45
3150.0875	-20	*	*
3600.1000	-20	*	*
4050.1125	-20	*	*
4500.1250	-20	-35.99	*



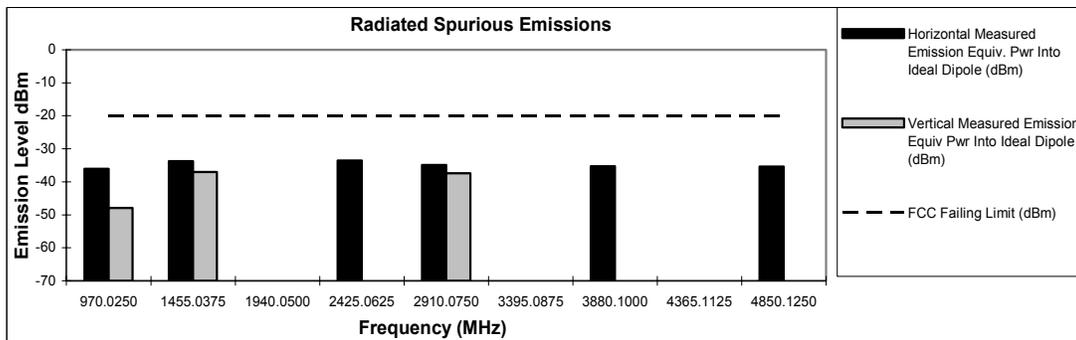
Graph 6G-1-7: 6 Watts, 450.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 6 Watts

485.0125 MHz

Channel Spacing 12.5kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
970.0250	-20	-36.04	-47.94
1455.0375	-20	-33.82	-37.03
1940.0500	-20	*	*
2425.0625	-20	-33.50	*
2910.0750	-20	-34.94	-37.41
3395.0875	-20	*	*
3880.1000	-20	-35.22	*
4365.1125	-20	*	*
4850.1250	-20	-35.44	*



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

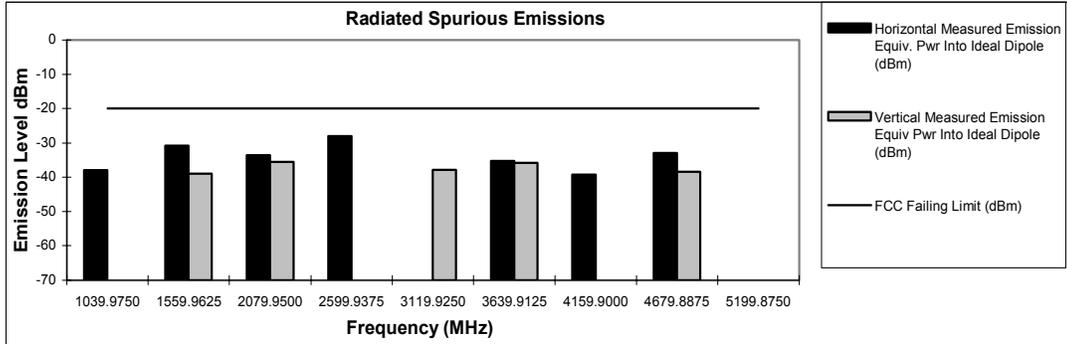
Graph 6G-1-8: 6 Watts, 485.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 6 Watts

519.9875 MHz

Channel Spacing 12.5kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-20	-37.94	*
1559.9625	-20	-30.83	-38.96
2079.9500	-20	-33.59	-35.51
2599.9375	-20	-28.02	*
3119.9250	-20	*	-37.80
3639.9125	-20	-35.32	-35.83
4159.9000	-20	-39.27	*
4679.8875	-20	-32.98	-38.44
5199.8750	-20	*	*



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

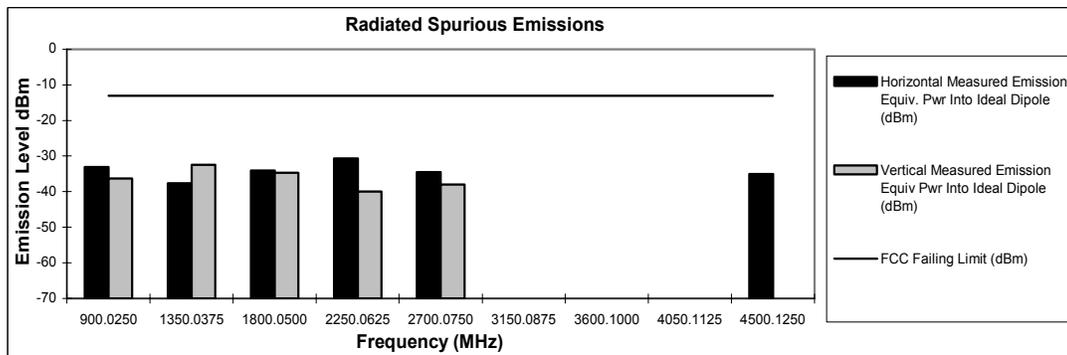
Graph 6G-1-9: 6 Watts, 519.9875 MHz, 12.5 kHz Channel Spacing

Tx Power: 6 Watts

450.0125 MHz

Channel Spacing 25kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-13	-33.05	-36.28
1350.0375	-13	-37.57	-32.49
1800.0500	-13	-34.06	-34.74
2250.0625	-13	-30.66	-40.03
2700.0750	-13	-34.47	-38.00
3150.0875	-13	*	*
3600.1000	-13	*	*
4050.1125	-13	*	*
4500.1250	-13	-35.02	*



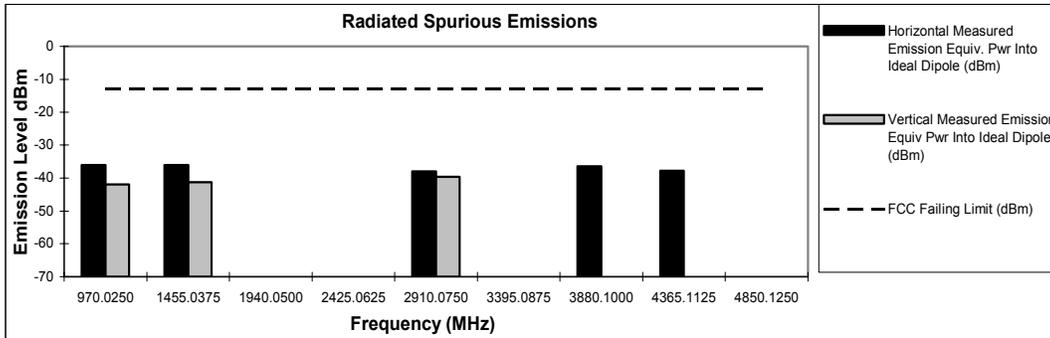
Graph 6G-1-10: 6 Watts, 450.0125 MHz, 25 kHz Channel Spacing

Tx Power: 6 Watts

485.0125 MHz

Channel Spacing 25kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
970.0250	-13	-36.00	-41.90
1455.0375	-13	-36.07	-41.24
1940.0500	-13	*	*
2425.0625	-13	*	*
2910.0750	-13	-37.92	-39.57
3395.0875	-13	*	*
3880.1000	-13	-36.45	*
4365.1125	-13	-37.77	*
4850.1250	-13	*	*



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

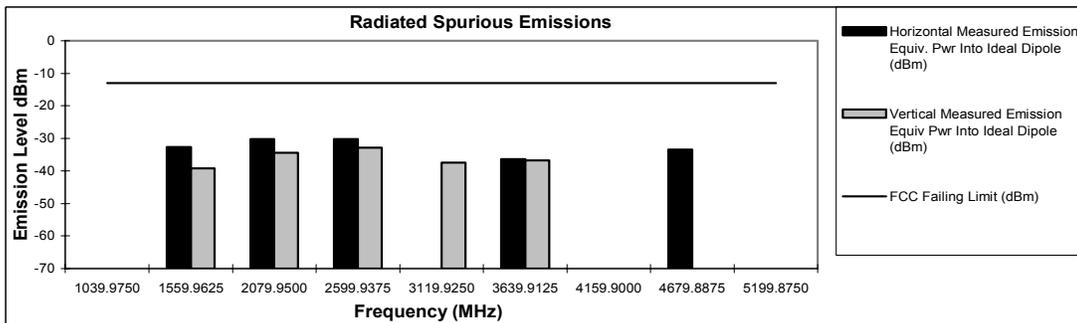
Graph 6G-1-11: 6 Watts, 485.0125 MHz, 25 kHz Channel Spacing

Tx Power: 6 Watts

519.9875 MHz

Channel Spacing 25kHz | S/N TA0AY049

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-13	*	*
1559.9625	-13	-32.62	-39.23
2079.9500	-13	-30.22	-34.37
2599.9375	-13	-30.21	-32.86
3119.9250	-13	*	-37.50
3639.9125	-13	-36.37	-36.76
4159.9000	-13	*	*
4679.8875	-13	-33.38	*
5199.8750	-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.

Graph 6G-1-12: 6 Watts, 519.9875 MHz, 25 kHz Channel Spacing

EXHIBIT 6G-2: Using 5185633C61 Power Amplifier

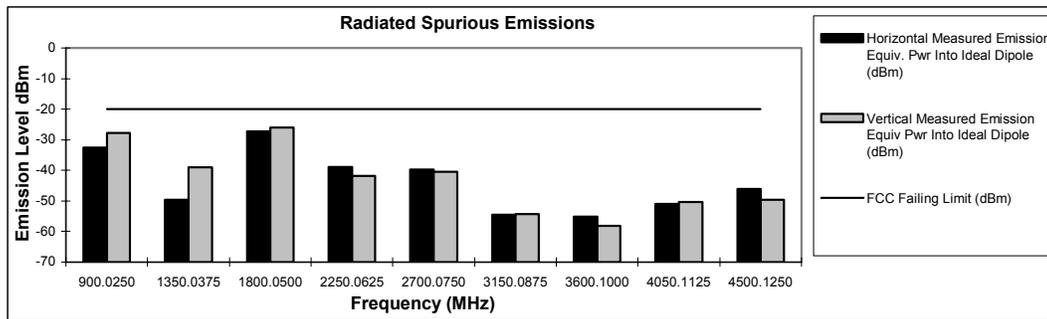
Transmitter Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

Tx Power: 2.8 Watts

450.0125 MHz

Channel Spacing 12.5kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-20	-32.59	-27.71
1350.0375	-20	-49.70	-39.01
1800.0500	-20	-27.18	-26.01
2250.0625	-20	-38.93	-41.78
2700.0750	-20	-39.72	-40.43
3150.0875	-20	-54.48	-54.32
3600.1000	-20	-55.08	-58.17
4050.1125	-20	-50.95	-50.39
4500.1250	-20	-46.07	-49.55



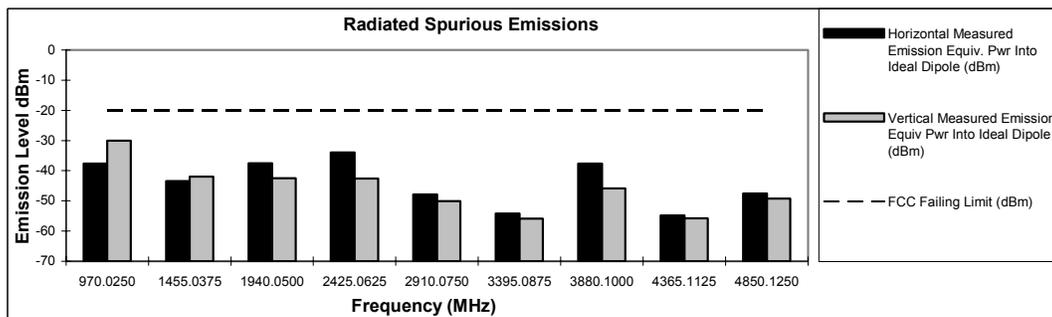
Graph 6G-2-1: 2 Watts, 450.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.8 Watts

485.0125 MHz

Channel Spacing 12.5kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
970.0250	-20	-37.66	-30.01
1455.0375	-20	-43.48	-41.97
1940.0500	-20	-37.52	-42.51
2425.0625	-20	-33.96	-42.56
2910.0750	-20	-47.95	-50.05
3395.0875	-20	-54.25	-55.90
3880.1000	-20	-37.70	-45.86
4365.1125	-20	-54.87	-55.71
4850.1250	-20	-47.54	-49.28



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

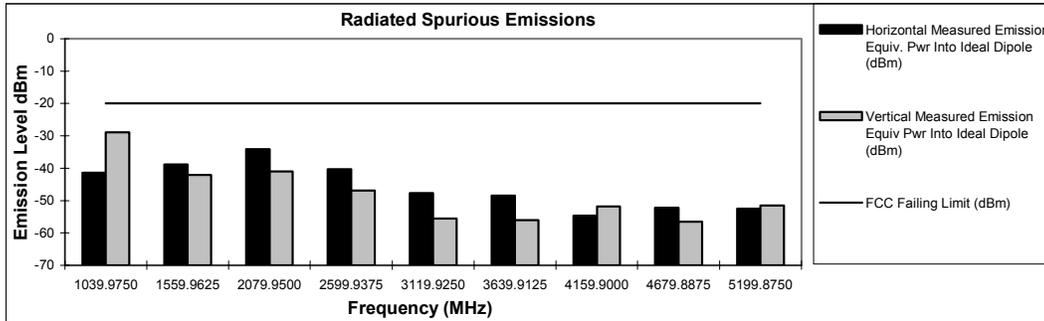
Graph 6G-2-2: 2 Watts, 485.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.8 Watts

519.9875 MHz

Channel Spacing 12.5kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-20	-41.37	-28.88
1559.9625	-20	-38.77	-42.06
2079.9500	-20	-34.17	-40.91
2599.9375	-20	-40.27	-46.86
3119.9250	-20	-47.66	-55.63
3639.9125	-20	-48.44	-55.99
4159.9000	-20	-54.67	-51.78
4679.8875	-20	-52.23	-56.52
5199.8750	-20	-52.52	-51.54



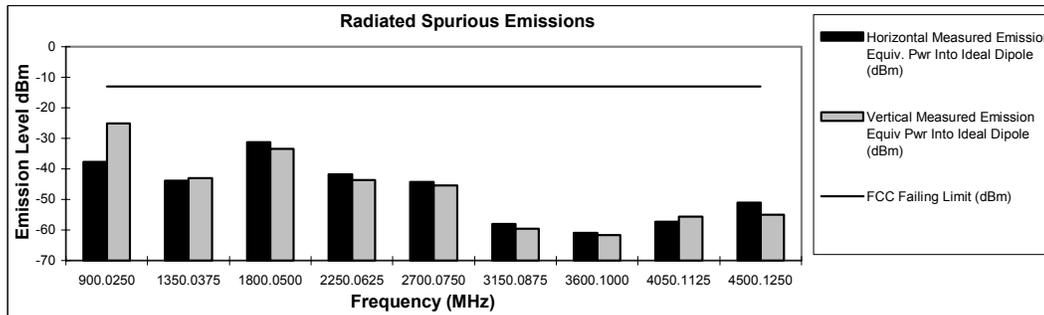
Graph 6G-2-3: 2 Watts, 519.9875 MHz, 12.5 kHz Channel Spacing

Tx Power: 2.8 Watts

450.0125 MHz

Channel Spacing 25kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-13	-37.69	-25.07
1350.0375	-13	-43.82	-42.93
1800.0500	-13	-31.23	-33.36
2250.0625	-13	-41.78	-43.55
2700.0750	-13	-44.20	-45.32
3150.0875	-13	-58.03	-59.59
3600.1000	-13	-60.92	-61.63
4050.1125	-13	-57.23	-55.67
4500.1250	-13	-51.09	-54.95



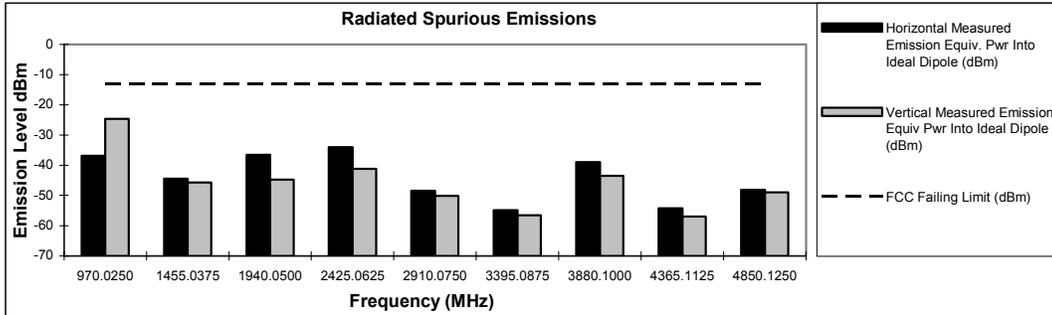
Graph 6G-2-4: 2 Watts, 450.0125 MHz, 25 kHz Channel Spacing

Tx Power: 2.8 Watts

485.0125 MHz

Channel Spacing 25kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
970.0250	-13	-36.84	-24.62
1455.0375	-13	-44.44	-45.71
1940.0500	-13	-36.50	-44.79
2425.0625	-13	-34.06	-41.26
2910.0750	-13	-48.44	-50.12
3395.0875	-13	-54.83	-56.51
3880.1000	-13	-39.05	-43.53
4365.1125	-13	-54.28	-57.04
4850.1250	-13	-48.18	-48.96



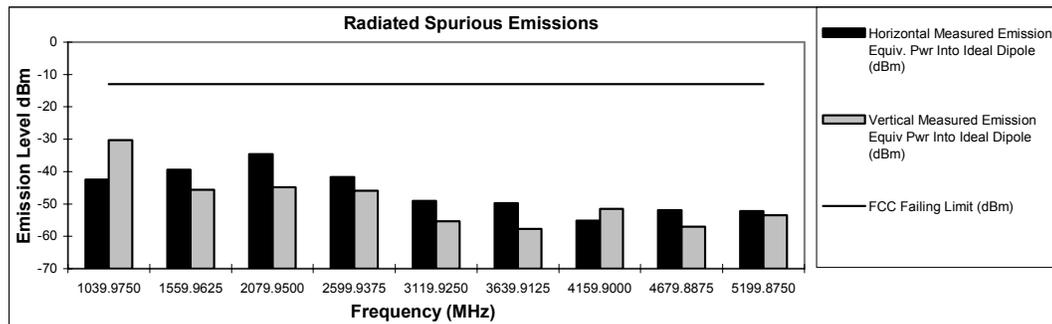
Graph 6G-2-5: 2 Watts, 485.0125 MHz, 25 kHz Channel Spacing

Tx Power: 2.8 Watts

519.9875 MHz

Channel Spacing 25kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-13	-42.42	-30.25
1559.9625	-13	-39.33	-45.59
2079.9500	-13	-34.57	-44.81
2599.9375	-13	-41.69	-45.84
3119.9250	-13	-48.99	-55.34
3639.9125	-13	-49.81	-57.81
4159.9000	-13	-55.22	-51.54
4679.8875	-13	-51.92	-56.99
5199.8750	-13	-52.18	-53.51



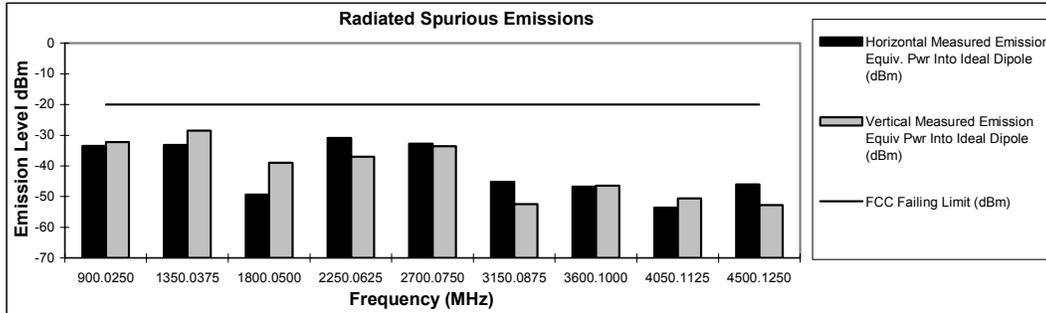
Graph 6G-2-6: 2 Watts, 519.9875 MHz, 25 kHz Channel Spacing

Tx Power: 6 Watts

450.0125 MHz

Channel Spacing 12.5kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-20	-33.41	-32.15
1350.0375	-20	-33.14	-28.47
1800.0500	-20	-49.33	-38.90
2250.0625	-20	-30.90	-36.99
2700.0750	-20	-32.76	-33.59
3150.0875	-20	-45.19	-52.49
3600.1000	-20	-46.80	-46.40
4050.1125	-20	-53.58	-50.60
4500.1250	-20	-46.02	-52.71



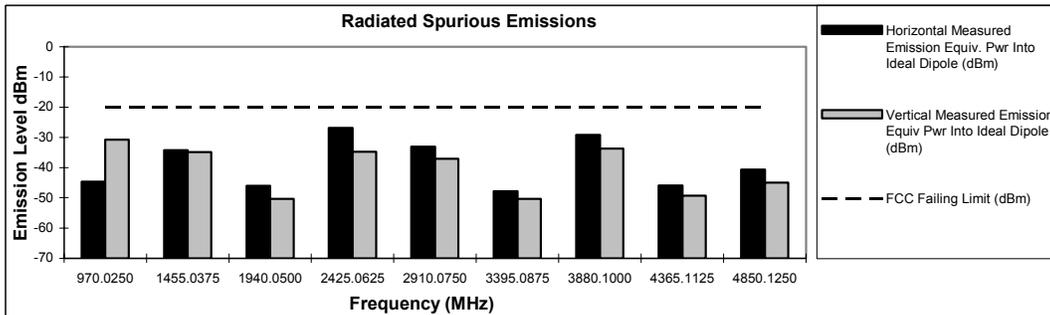
Graph 6G-2-7: 6 Watts, 450.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 6 Watts

485.0125 MHz

Channel Spacing 12.5kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
970.0250	-20	-44.63	-30.71
1455.0375	-20	-34.23	-34.95
1940.0500	-20	-46.08	-50.34
2425.0625	-20	-26.92	-34.70
2910.0750	-20	-33.15	-37.04
3395.0875	-20	-47.82	-50.36
3880.1000	-20	-29.22	-33.76
4365.1125	-20	-45.96	-49.36
4850.1250	-20	-40.70	-44.95



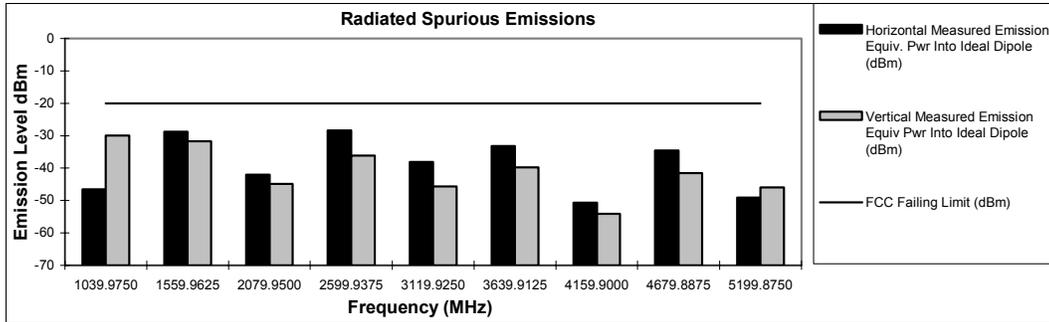
Graph 6G-2-8: 6 Watts, 485.0125 MHz, 12.5 kHz Channel Spacing

Tx Power: 6 Watts

519.9875 MHz

Channel Spacing 12.5kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-20	-46.57	-29.93
1559.9625	-20	-28.79	-31.68
2079.9500	-20	-42.06	-44.93
2599.9375	-20	-28.35	-36.11
3119.9250	-20	-38.05	-45.68
3639.9125	-20	-33.14	-39.72
4159.9000	-20	-50.60	-54.11
4679.8875	-20	-34.50	-41.52
5199.8750	-20	-49.12	-45.99



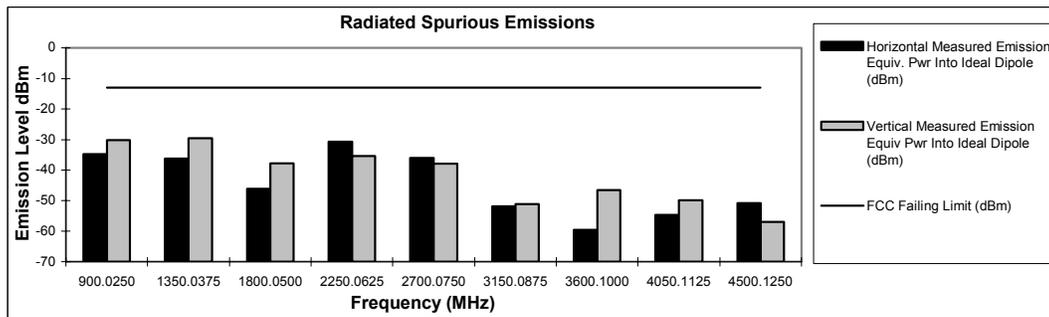
Graph 6G-2-9: 6 Watts, 519.9875 MHz, 12.5 kHz Channel Spacing

Tx Power: 6 Watts

450.0125 MHz

Channel Spacing 25kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-13	-34.78	-30.16
1350.0375	-13	-36.19	-29.62
1800.0500	-13	-46.13	-37.79
2250.0625	-13	-30.75	-35.41
2700.0750	-13	-36.02	-37.82
3150.0875	-13	-51.88	-51.20
3600.1000	-13	-59.51	-46.56
4050.1125	-13	-54.69	-49.83
4500.1250	-13	-50.82	-56.96



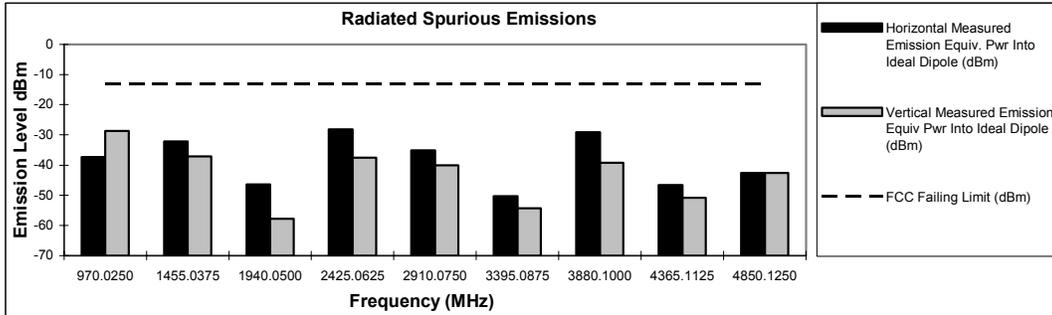
Graph 6G-2-10: 6 Watts, 450.0125 MHz, 25 kHz Channel Spacing

Tx Power: 6 Watts

485.0125 MHz

Channel Spacing 25kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
970.0250	-13	-37.36	-28.70
1455.0375	-13	-32.21	-37.08
1940.0500	-13	-46.41	-57.78
2425.0625	-13	-28.20	-37.50
2910.0750	-13	-35.09	-40.06
3395.0875	-13	-50.31	-54.31
3880.1000	-13	-29.08	-39.26
4365.1125	-13	-46.60	-50.79
4850.1250	-13	-42.59	-42.60



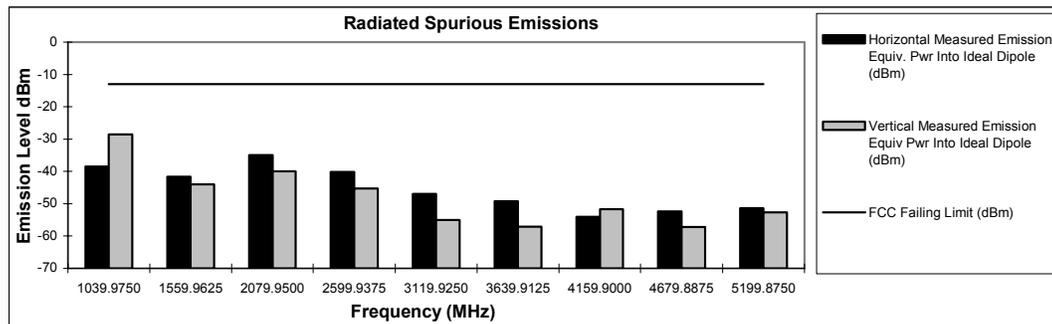
Graph 6G-2-11: 6 Watts, 485.0125 MHz, 25 kHz Channel Spacing

Tx Power: 6 Watts

519.9875 MHz

Channel Spacing 25kHz | S/N TAOBB060

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-13	-38.53	-28.49
1559.9625	-13	-41.70	-43.98
2079.9500	-13	-34.92	-39.89
2599.9375	-13	-40.16	-45.27
3119.9250	-13	-46.91	-55.03
3639.9125	-13	-49.15	-57.08
4159.9000	-13	-54.00	-51.66
4679.8875	-13	-52.36	-57.21
5199.8750	-13	-51.40	-52.67



Graph 6G-2-12: 6 Watts, 519.9875 MHz, 25 kHz Channel Spacing

EXHIBIT 6H

Frequency Stability - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

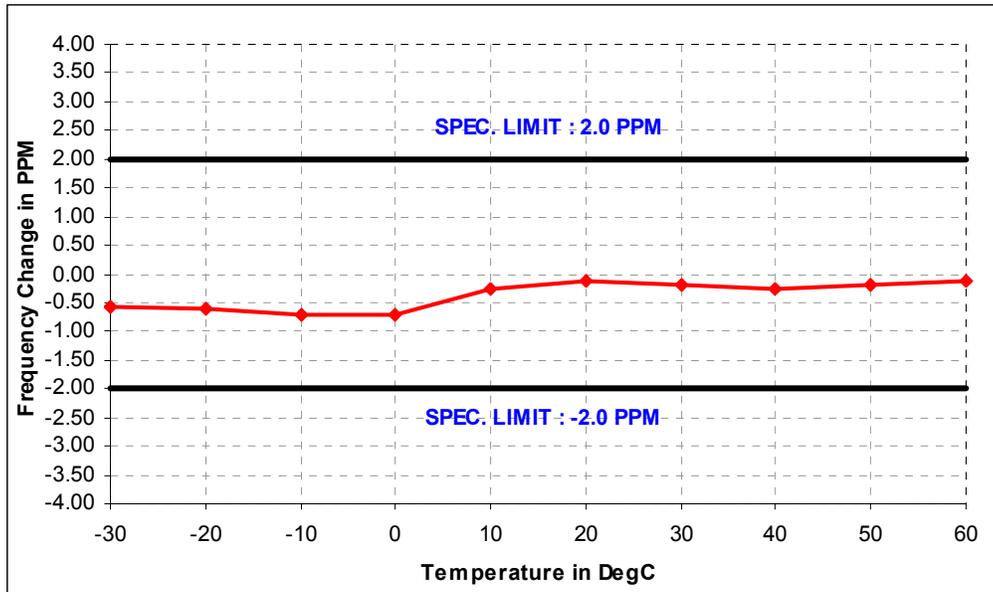


Figure 6H-1: Frequency Stability vs. Temperature

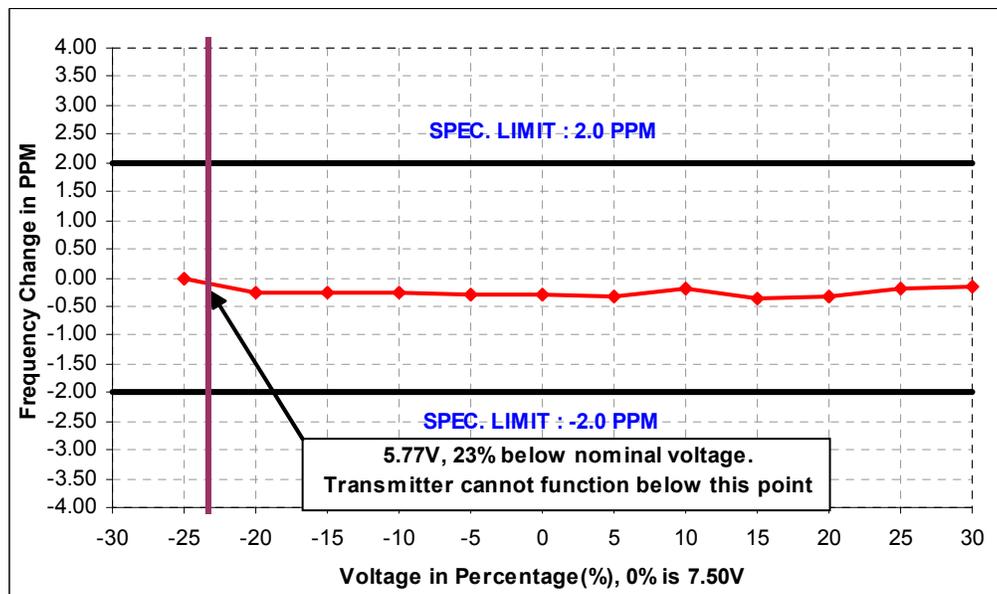


Figure 6H-2: Frequency Stability vs. Voltage

EXHIBIT 6I-1: Using 5185633C51 Power Amplifier

Transient Frequency Behavior (FCC Rules Part 90.214)

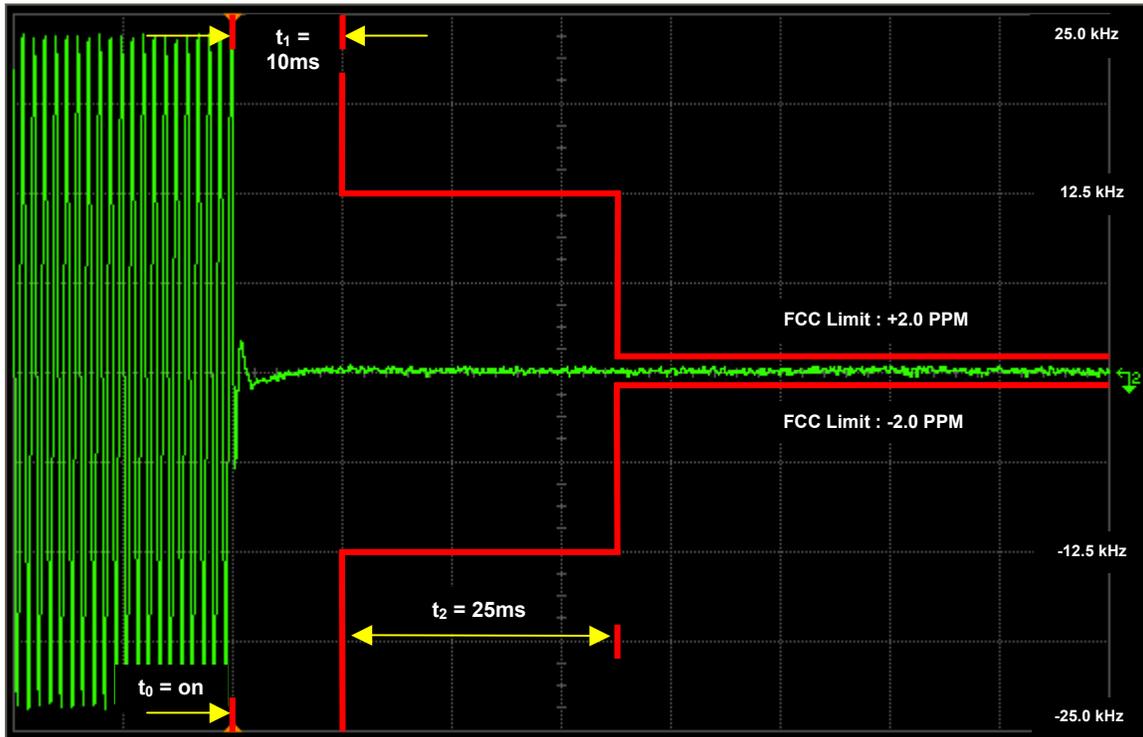


Figure 6I-1-1: 12.5 kHz Key-Up Attack Time; Freq: 485.0125MHz, 1 Watt.

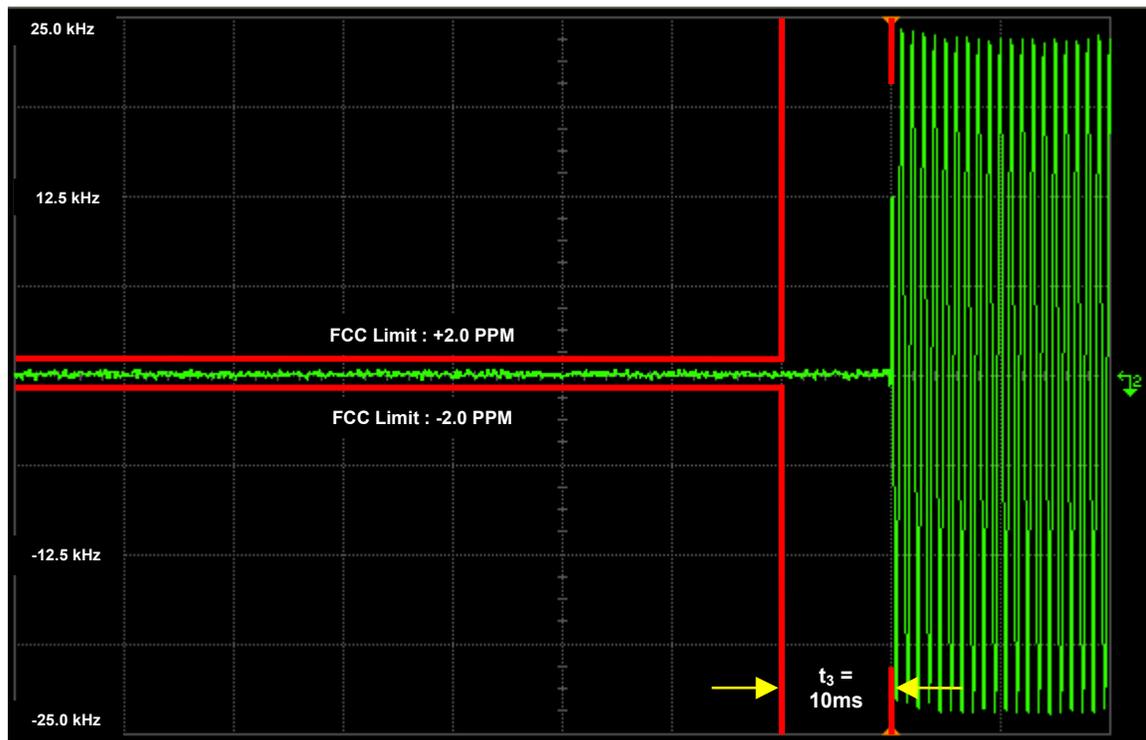


Figure 6I-1-2: 12.5 kHz De-Key Decay Time; Freq: 485.0125MHz, 1 Watt.

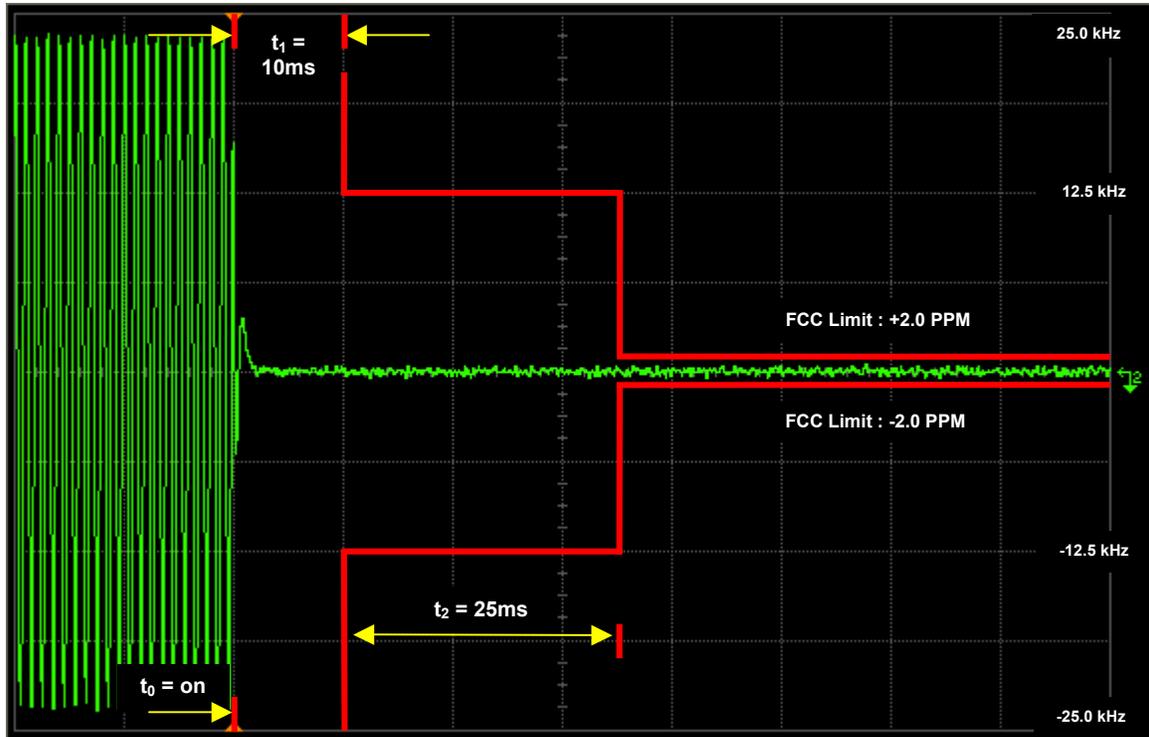


Figure 6I-1-3: 25.0 kHz Key-Up Attack Time; Freq: 485.0125MHz, 1 Watt.

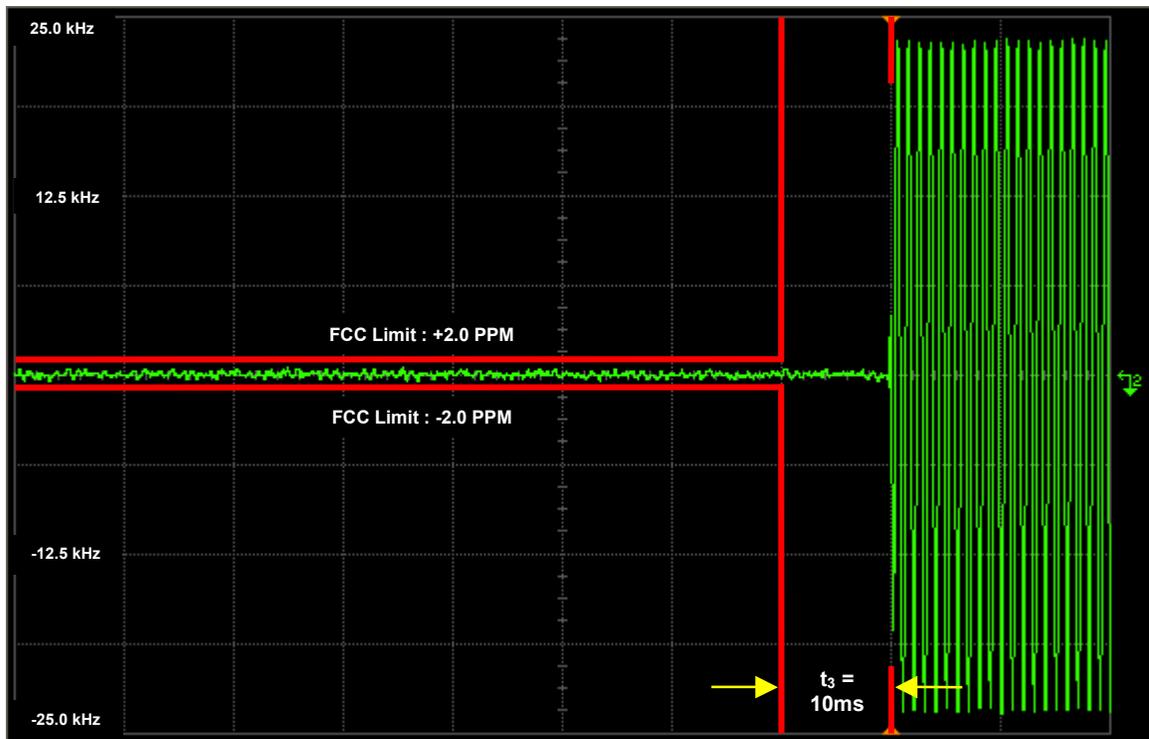


Figure 6I-1-4: 25.0 kHz De-Key Decay Time; Freq: 485.0125MHz, 1 Watt.

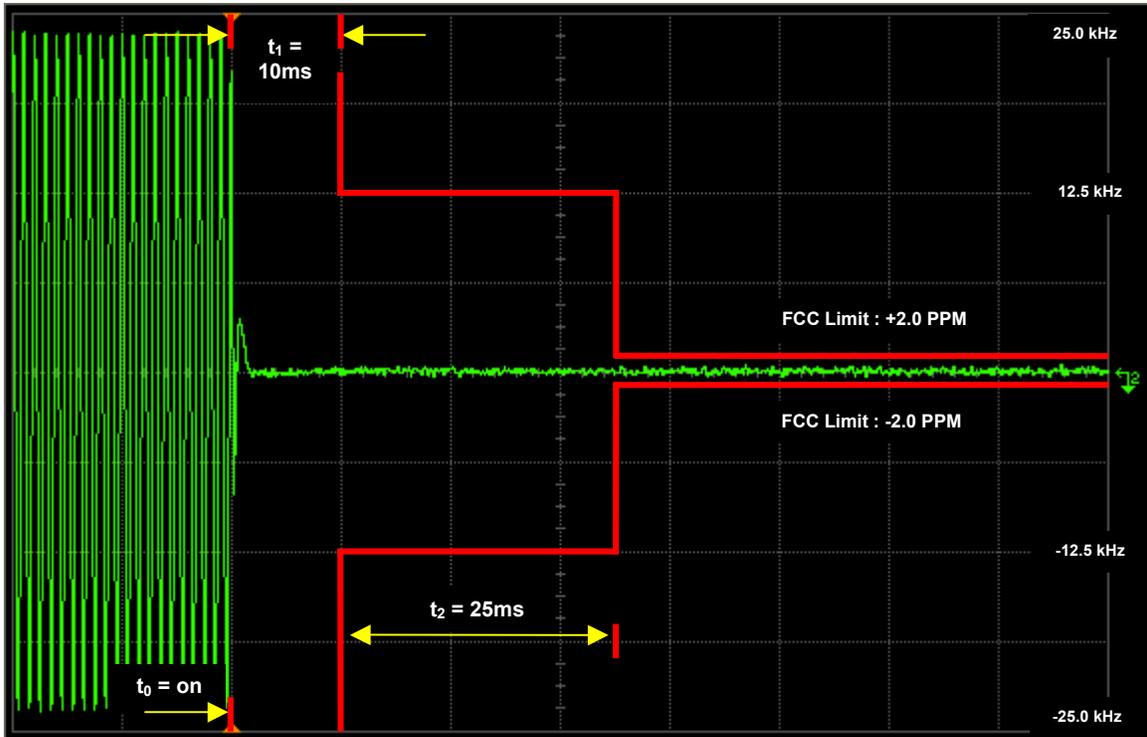


Figure 6I-1-5: 12.5 kHz Key-Up Attack Time; Freq: 485.0125MHz, 6 Watts.

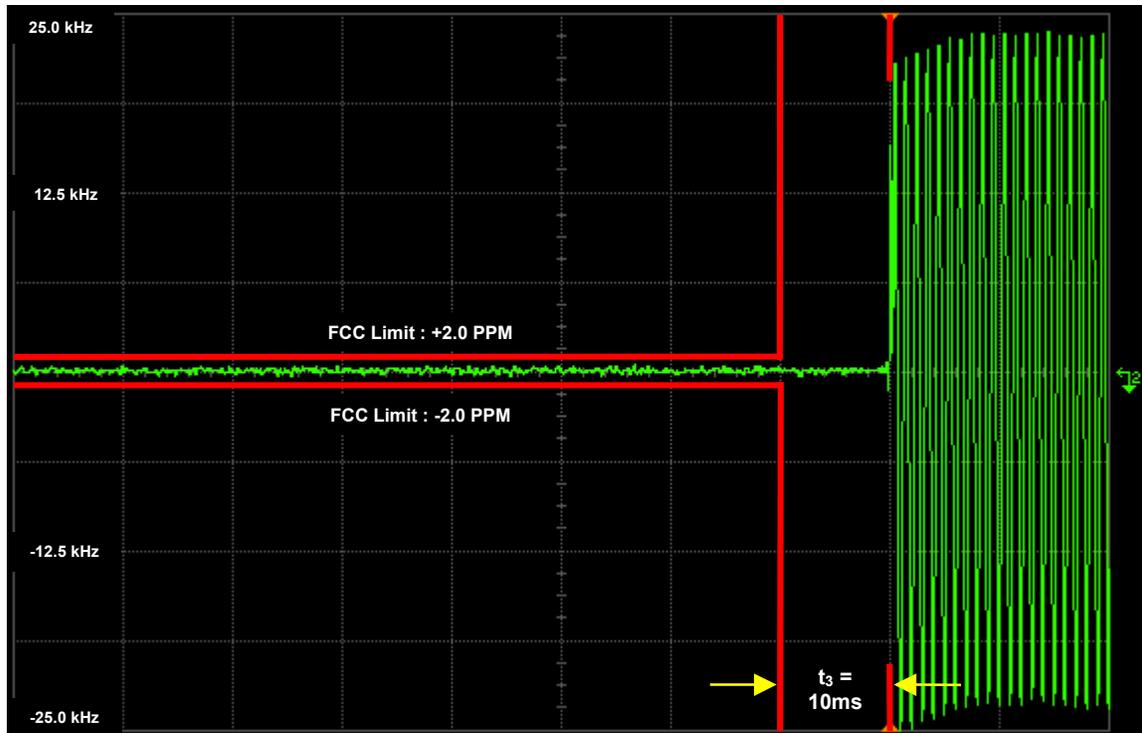


Figure 6I-1-6: 12.5 kHz De-Key Decay Time; Freq: 485.0125MHz, 6 Watts.

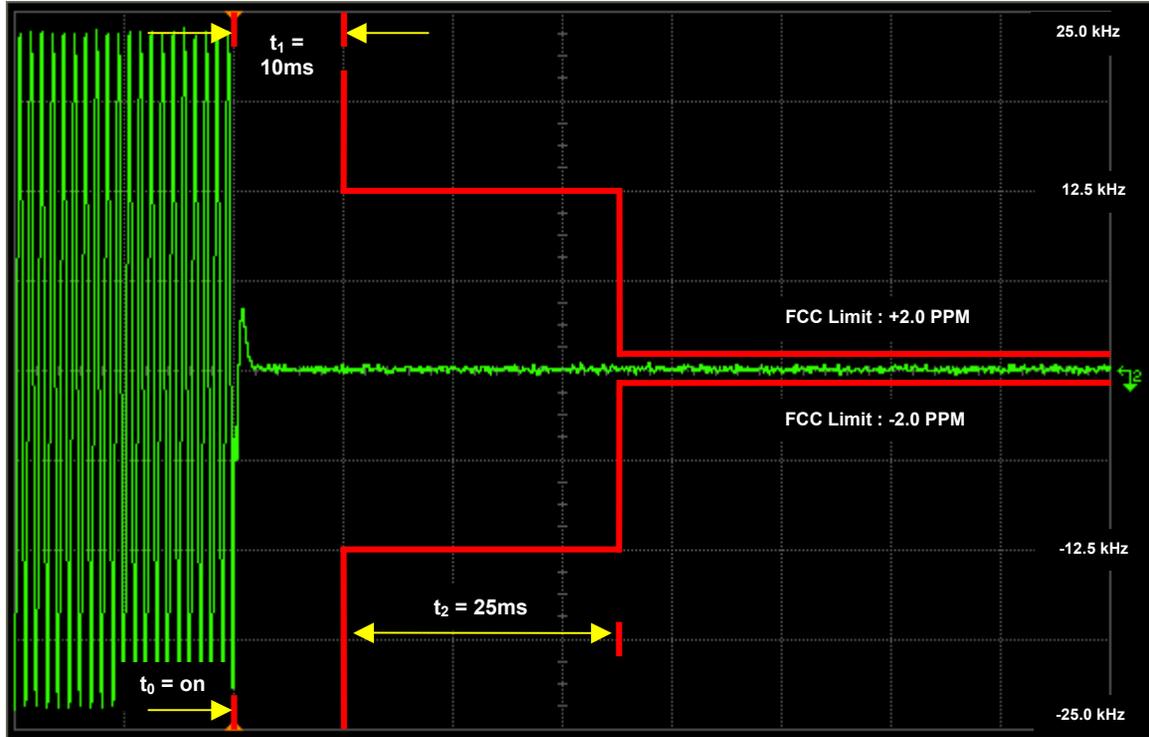


Figure 6I-1-7: 25.0 kHz Key-Up Attack Time; Freq: 485.0125MHz, 6 Watts

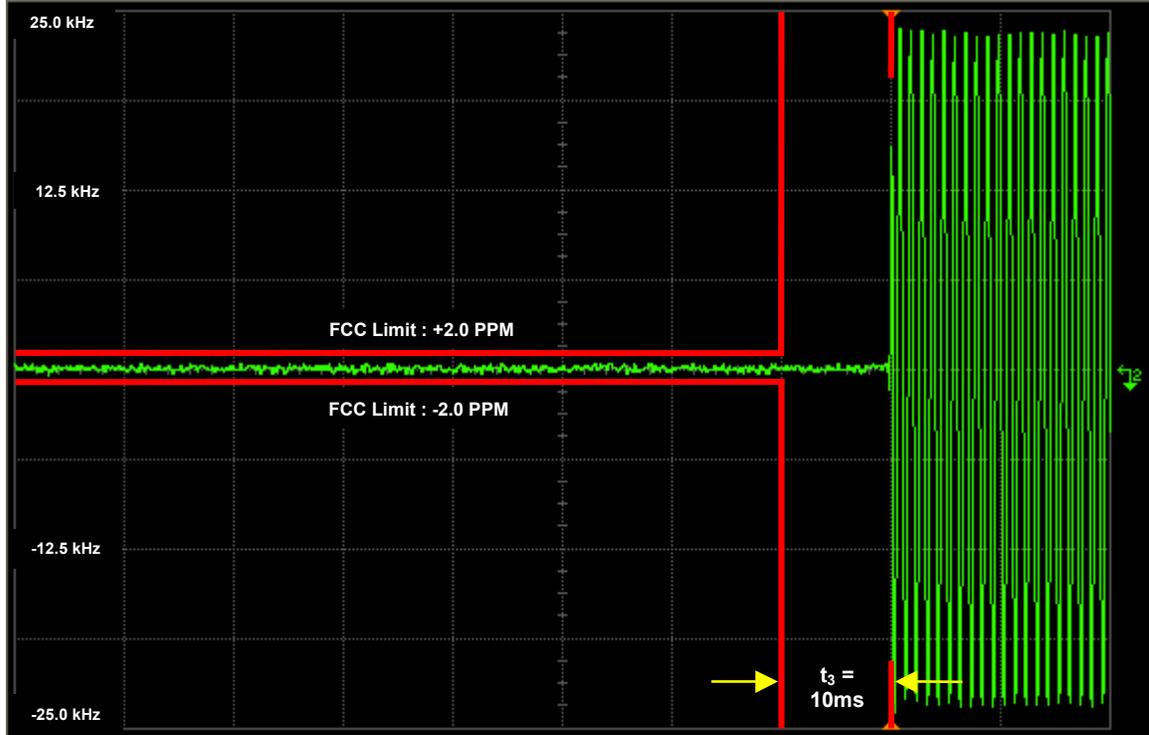


Figure 6I-1-8: 25.0 kHz De-Key Decay Time; Freq: 485.0125MHz, 6 Watts.

EXHIBIT 6I-2: Using 5185633C61 Power Amplifier

Transient Frequency Behavior (FCC Rules Part 90.214)

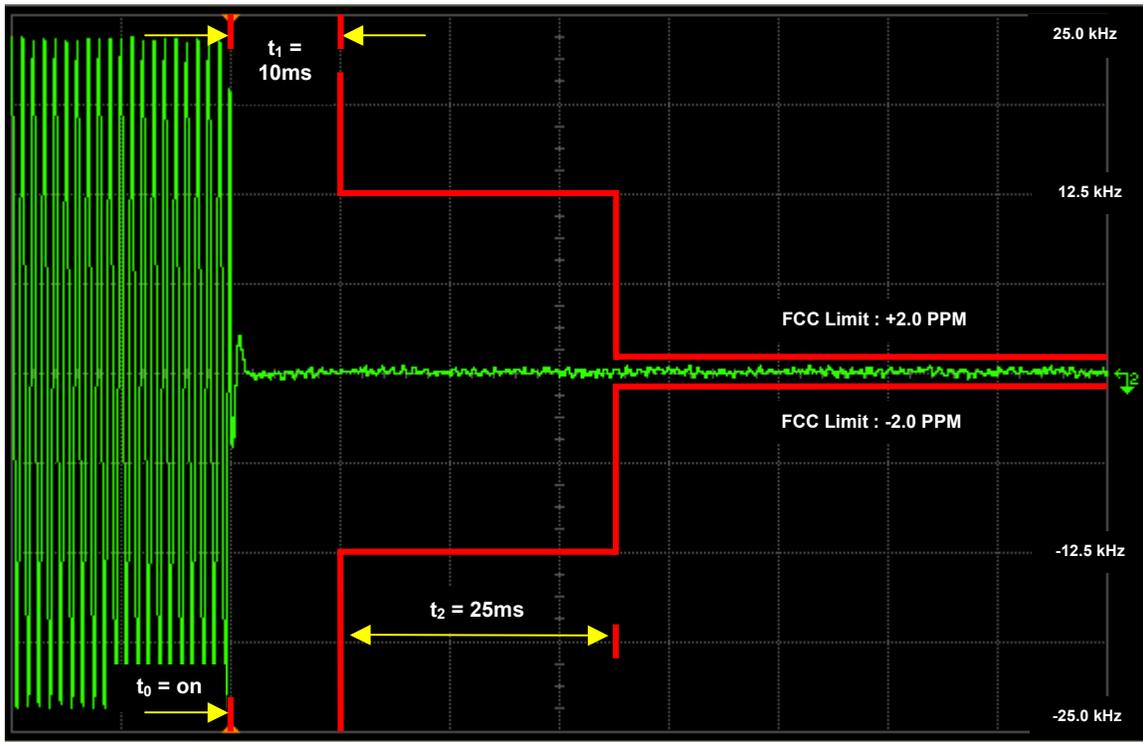


Figure 6I-2-1: 12.5 kHz Key-Up Attack Time; Freq: 485.0125MHz, 1 Watt.

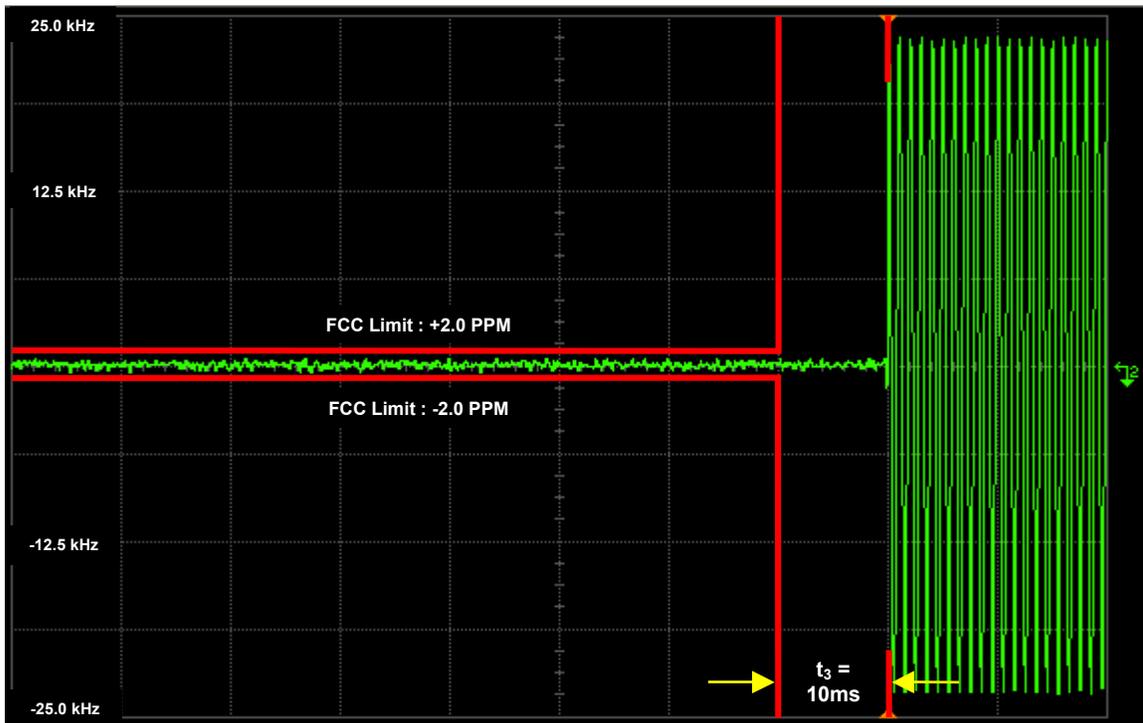


Figure 6I-2-2: 12.5 kHz De-Key Decay Time; Freq: 485.0125MHz, 1 Watt.

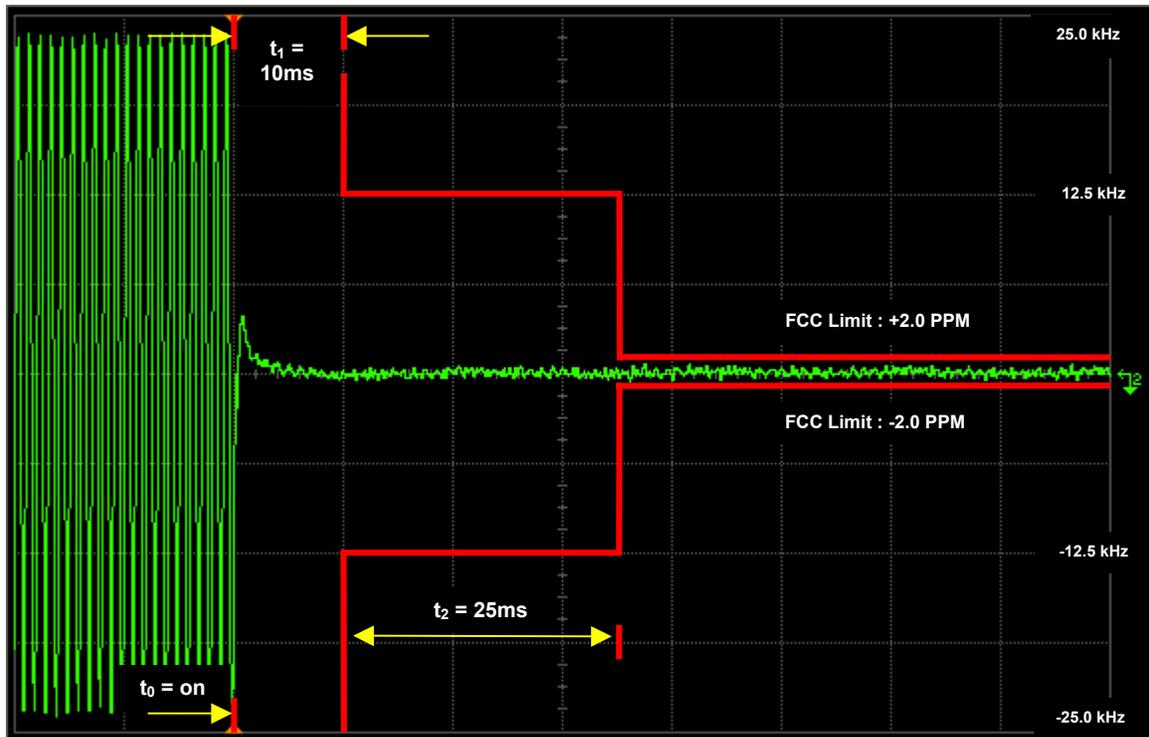


Figure 6I-2-3: 25.0 kHz Key-Up Attack Time; Freq: 485.0125, 1 Watt.

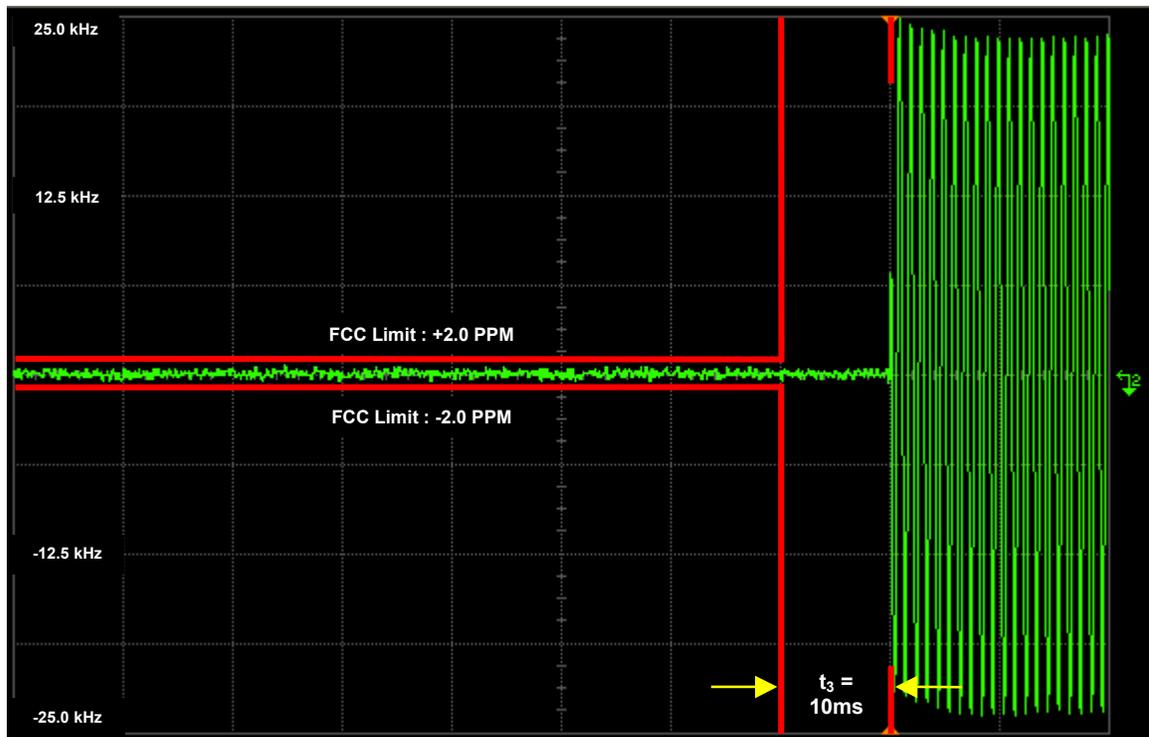


Figure 6I-2-4: 25.0 kHz De-Key Decay Time; Freq: 485.0125MHz, 1 Watt.

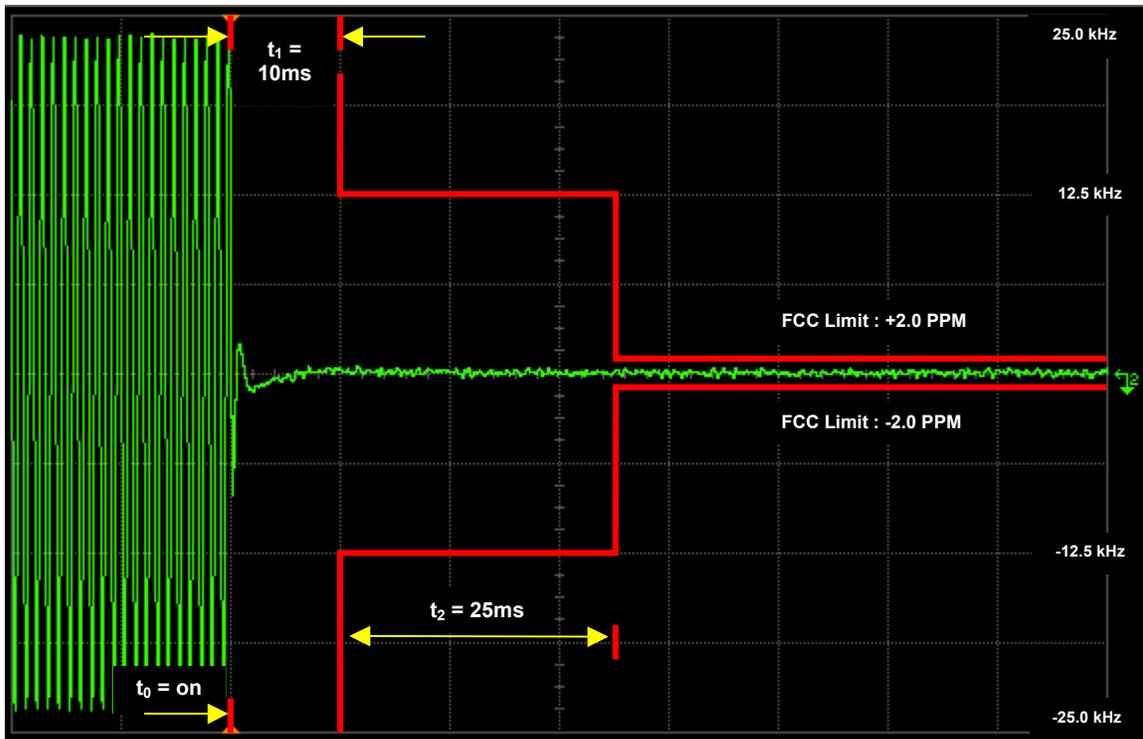


Figure 6I-2-5: 12.5 kHz Key-Up Attack Time; Freq: 485.0125MHz, 6 Watts.

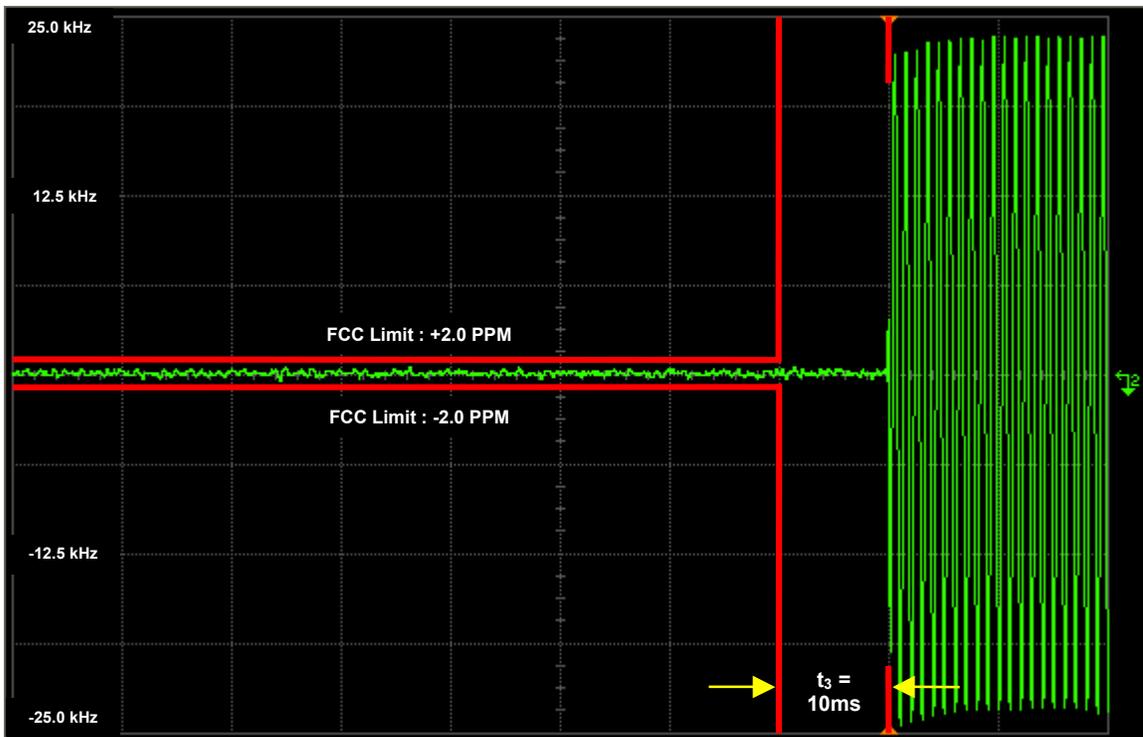


Figure 6I-2-6: 12.5 kHz De-Key Decay Time; Freq: 485.0125MHz, 6 Watts.

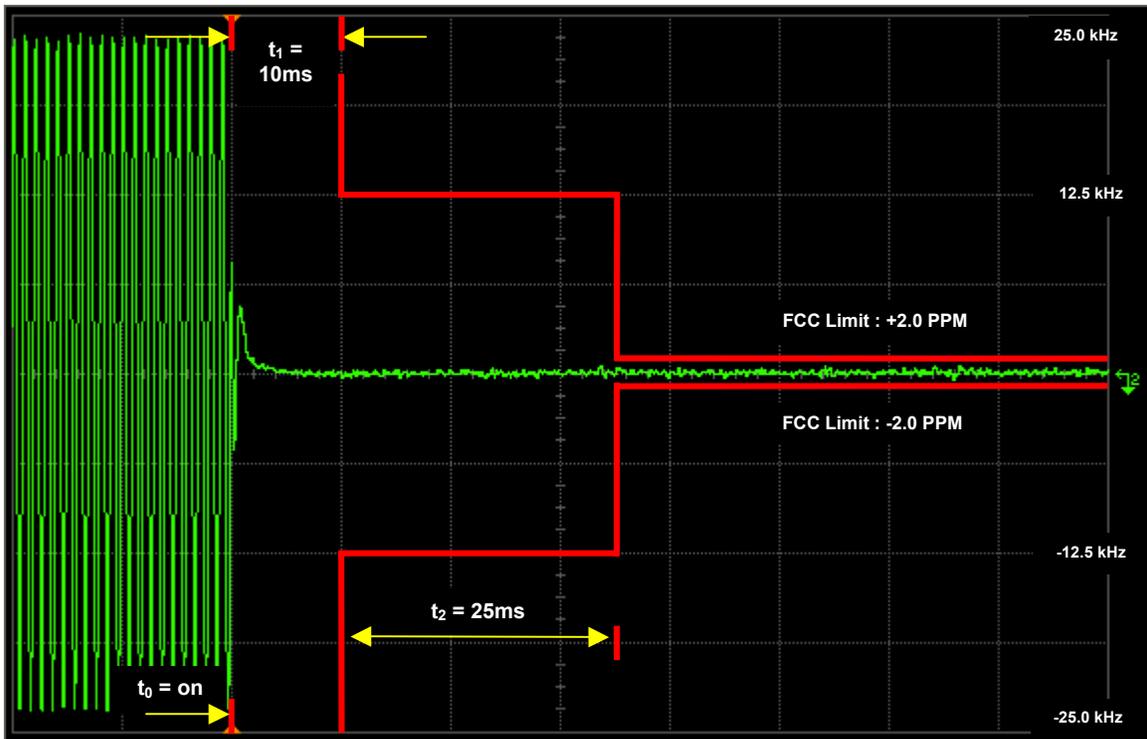


Figure 6I-2-7: 25.0 kHz Key-Up Attack Time; Freq: 485.0125MHz, 6 Watts.

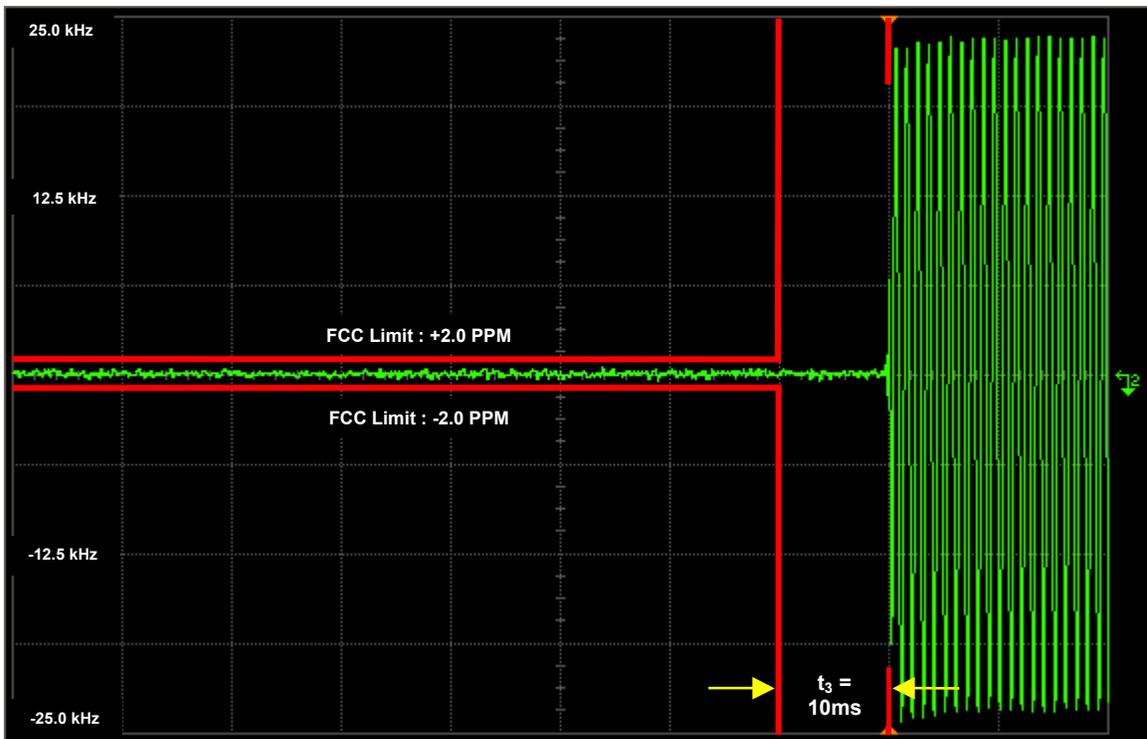


Figure 6I-2-8: 25.0 kHz De-Key Decay Time; Freq: 485.0125MHz, 6 Watts.