

EXHIBIT 6**INDEX OF SUBMITTED MEASURED DATA**

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

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6I-4 – 5 Watts, 25 kHz De-Key Decay Time

6I-5 – 1 Watts, 12.5 kHz Key-Up Attack Time

6I-6 – 1 Watts, 12.5 kHz De-Key Decay Time

6I-7 – 1 Watts, 25 kHz Key-Up Attack Time

6I-8 – 1 Watts, 25 kHz De-Key Decay Time

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 (Q101).

At maximum output power setting, Frequency 150.025 MHz:

Output RF power	5.45 Watts
DC Voltage	7.50 Volts
DC Current	1.49 Amps
DC Input Power	11.18 Watts

At minimum output power setting, Frequency 150.025 MHz:

Output RF power	0.94 Watts
DC Voltage	7.50 Volts
DC Current	0.5 Amps
DC Input Power	3.75 Watts

At maximum output power setting, Frequency 162.025 MHz:

Output RF power	5.48 Watts
DC Voltage	7.50 Volts
DC Current	1.47 Amps
DC Input Power	11.03 Watts

At minimum output power setting, Frequency 162.025 MHz:

Output RF power	1.08 Watts
DC Voltage	7.50 Volts
DC Current	0.49 Amps
DC Input Power	3.68 Watts

At maximum output power setting, Frequency 173.975 MHz:

Output RF power	5.49 Watts
DC Voltage	7.50 Volts
DC Current	1.46 Amps
DC Input Power	10.95 Watts

At minimum output power setting, Frequency 173.975 MHz:

Output RF power	1.10 Watts
DC Voltage	7.50 Volts
DC Current	0.48 Amps
DC Input Power	3.60 Watts

EXHIBIT 6B

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

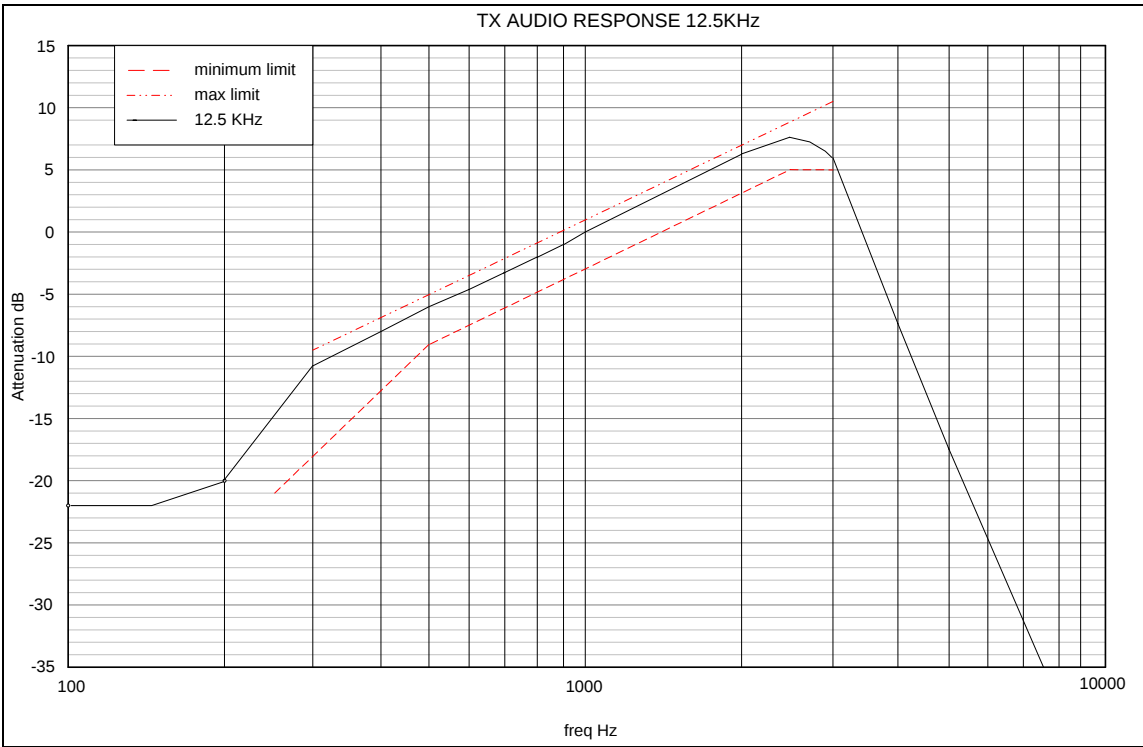


Figure 6B-1: 12.5 kHz Channel Spacing, 162.025 MHz, Transmit Audio Frequency Response

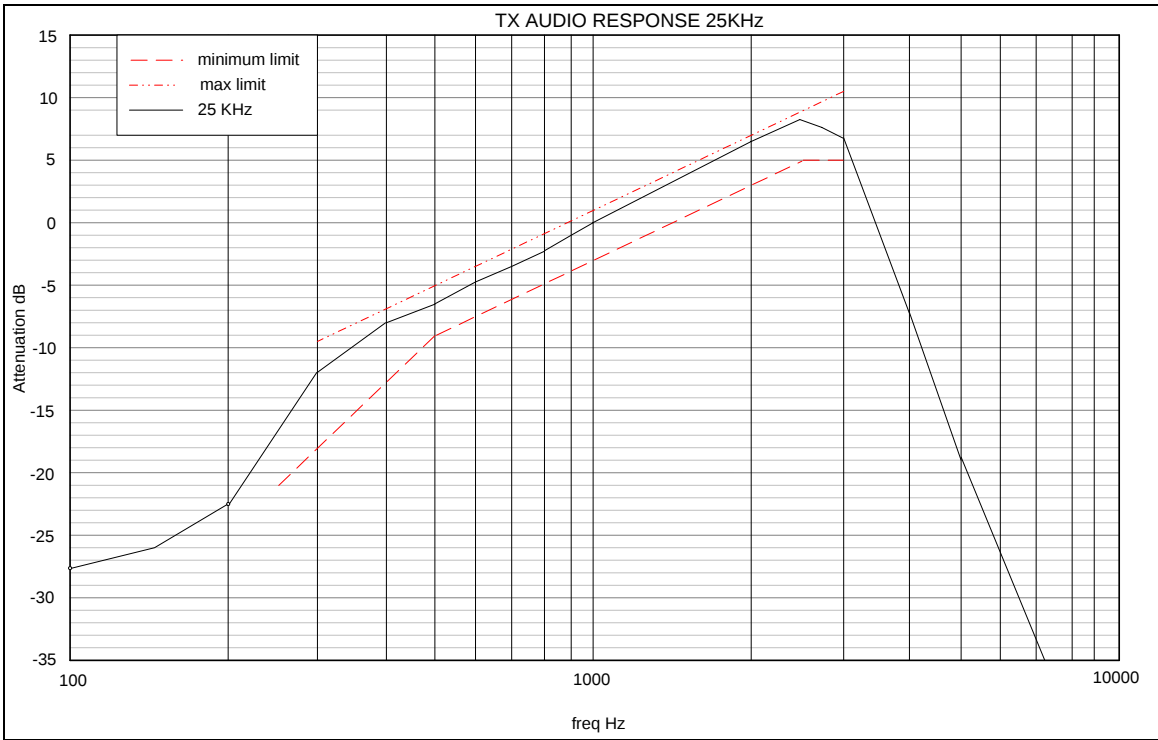


Figure 6B-2: 25 kHz Channel Spacing, 162.025 MHz, Transmit Audio Frequency Response

EXHIBIT 6C

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

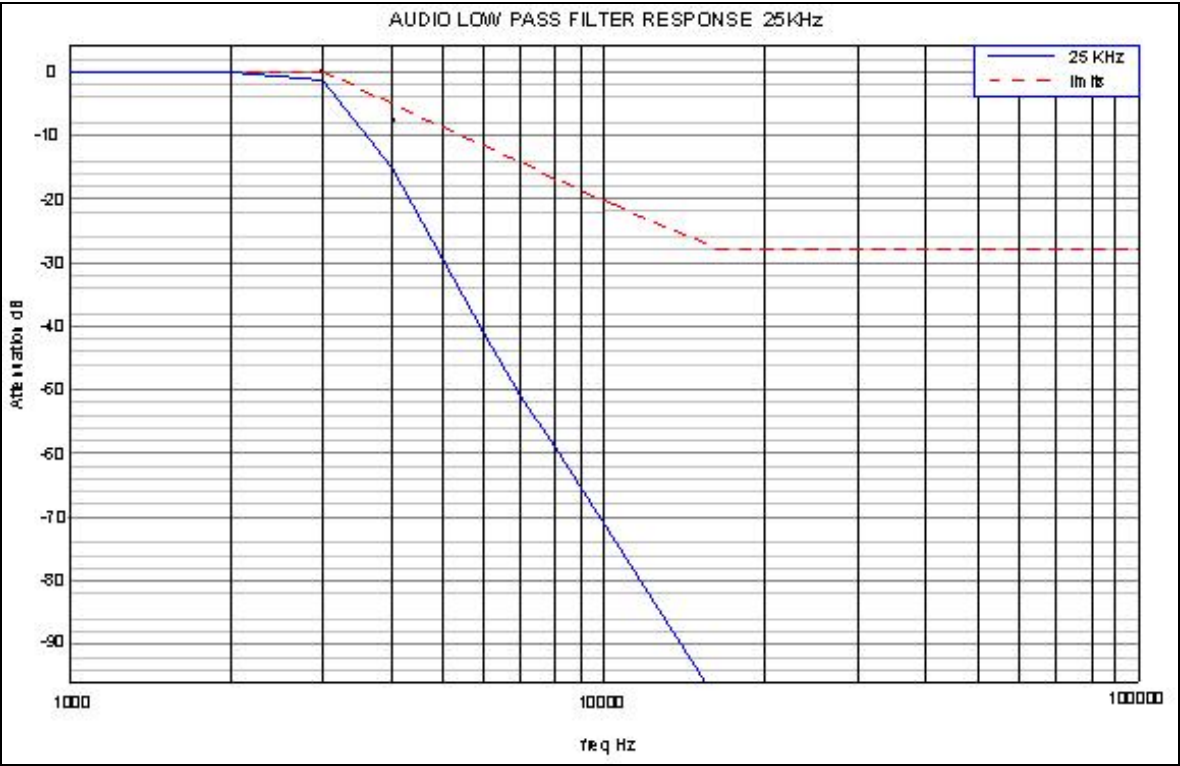


Figure 6C-1: 12.5 kHz Channel Spacing, 162.025 MHz, Transmit Audio Low Pass Filter Response

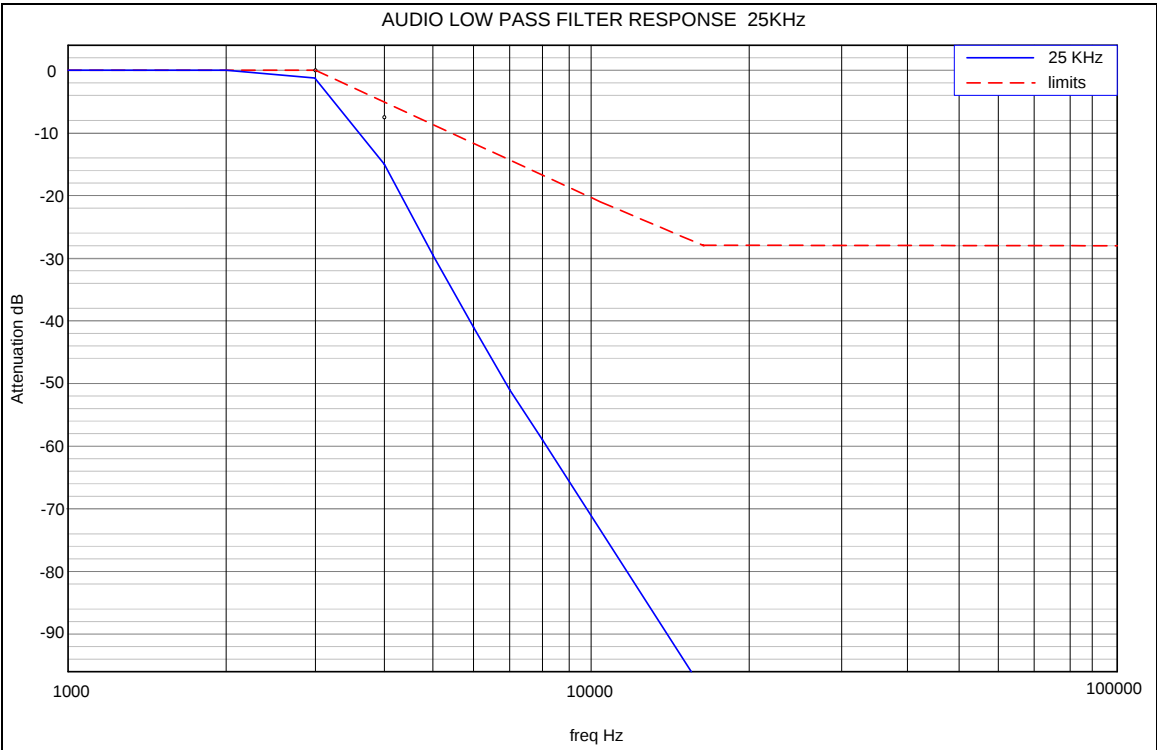


Figure 6C-2: 25 kHz Channel Spacing, 162.025 MHz, Transmit Audio Low Pass Filter Response

EXHIBIT 6D

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

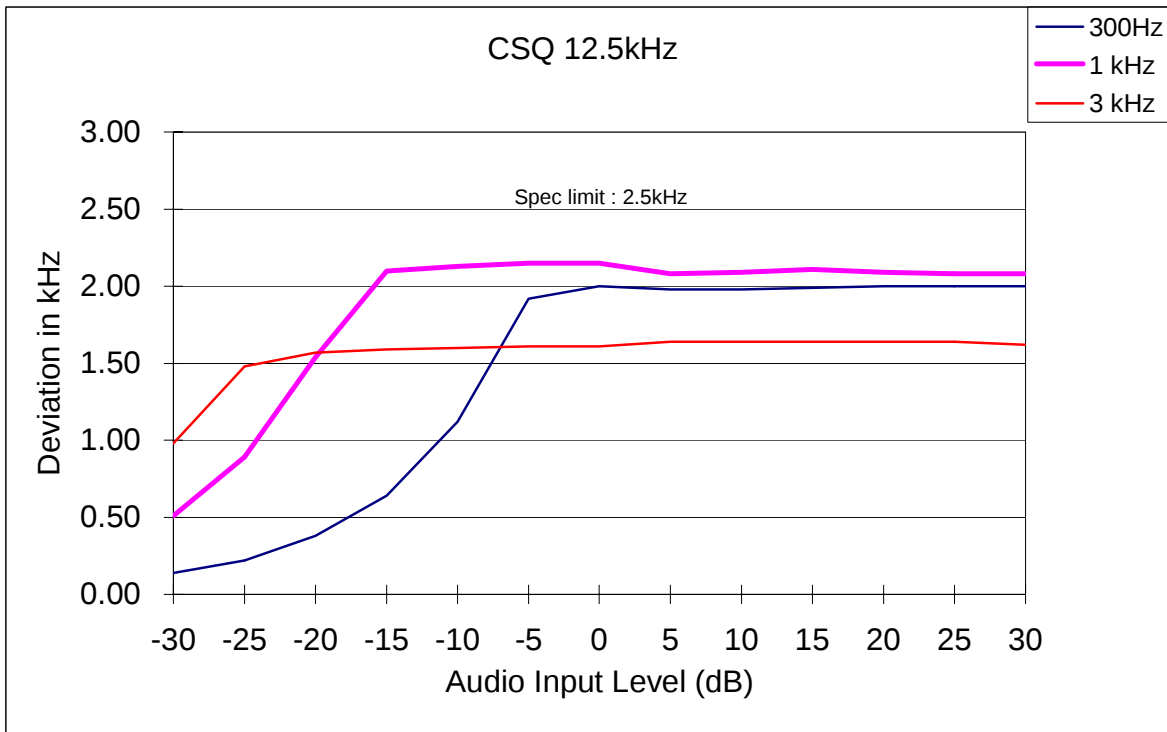


Figure 6D-1: 12.5 kHz Channel Spacing, 162.025 MHz, Carrier Squelch (CSQ) Mode

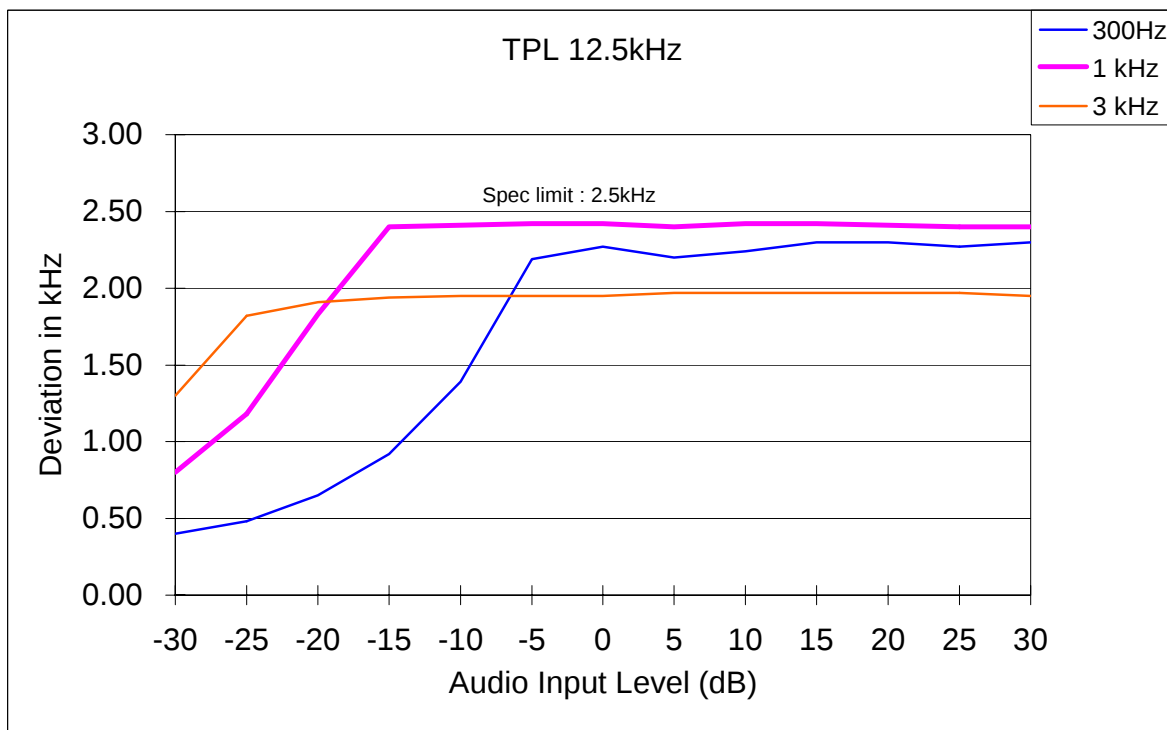


Figure 6D-2: 12.5 kHz Channel Spacing, 162.025 MHz, Tone Private Line (TPL) Mode

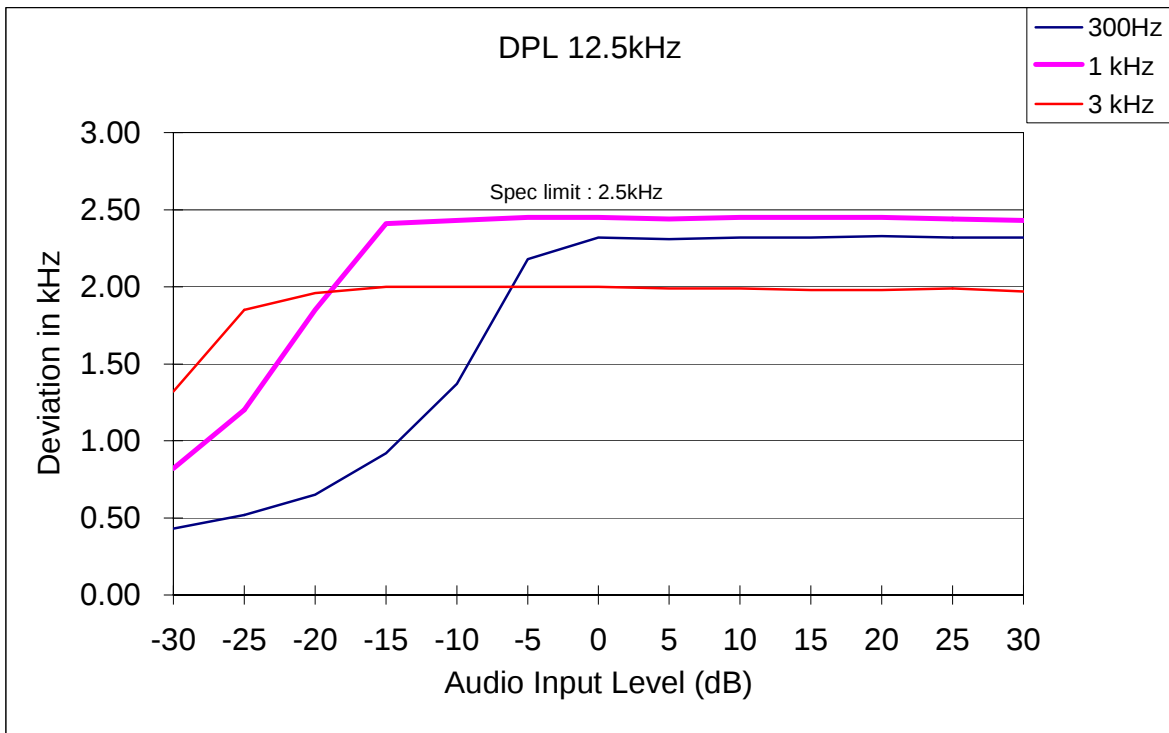


Figure 6D-3: 12.5 kHz Channel Spacing, 162.025 MHz, Digital Private Line (DPL) Mode

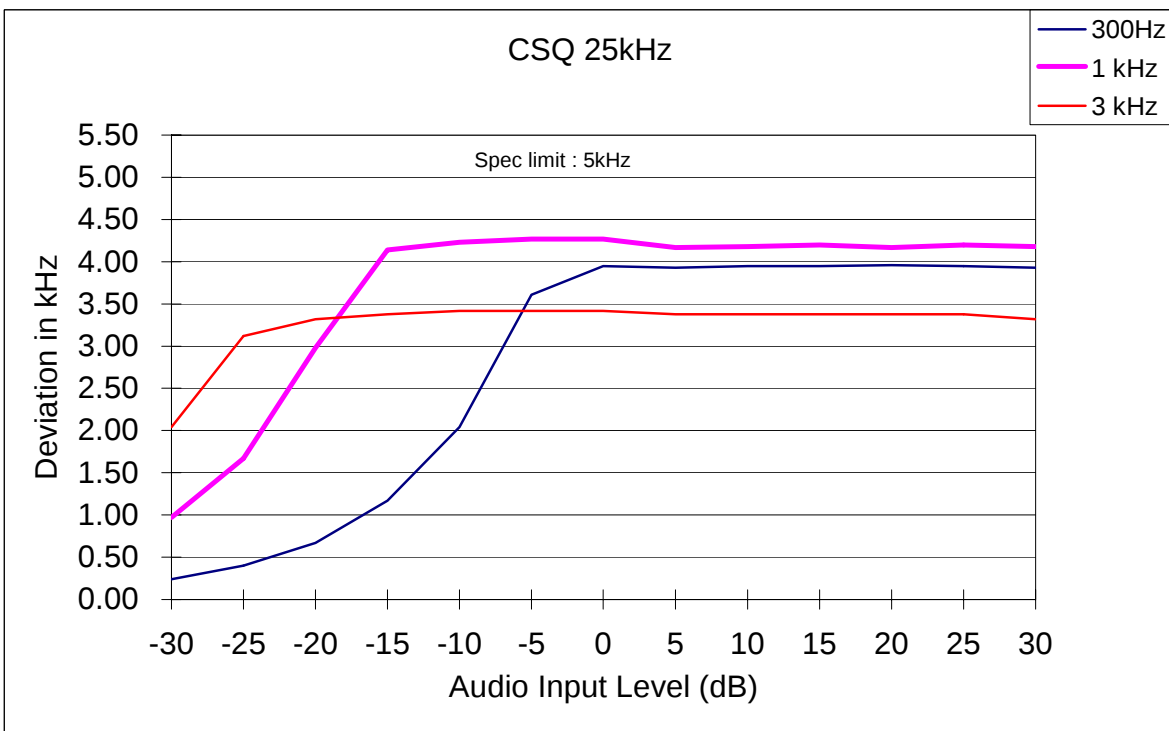


Figure 6D-4: 25 kHz Channel Spacing, 162.025 MHz, Carrier Squelch (CSQ) Mode

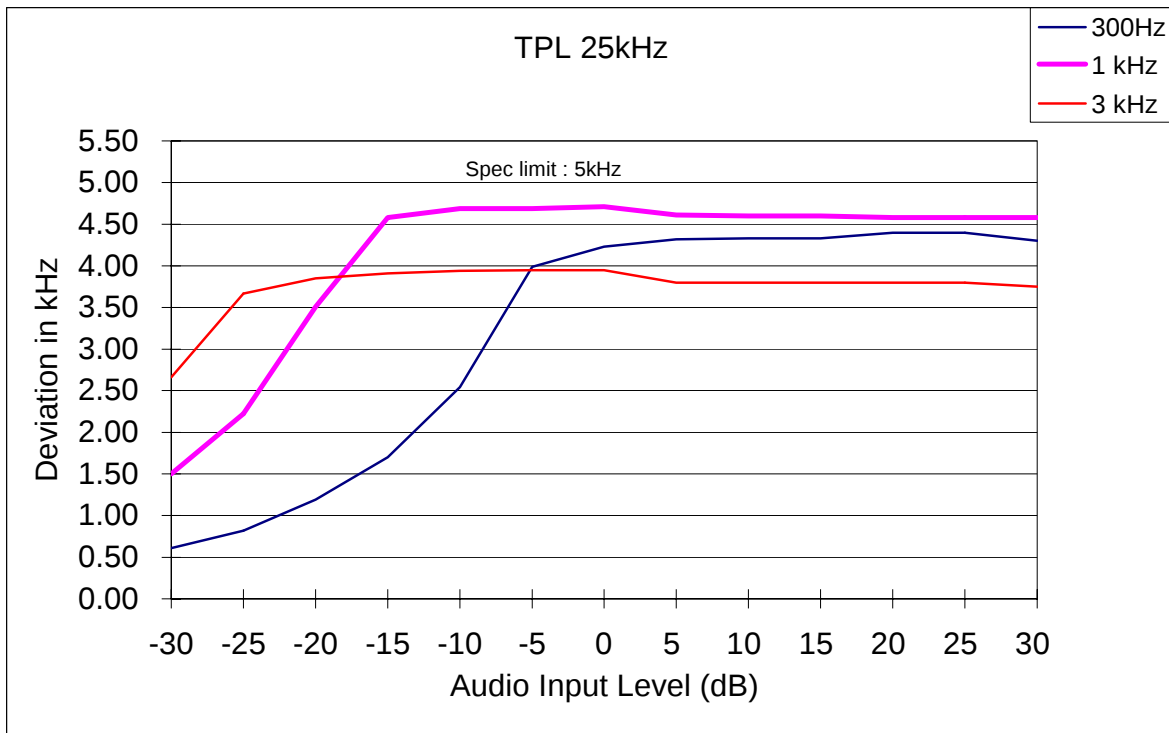


Figure 6D-5: 25 kHz Channel Spacing, 162.025 MHz, Tone Private Line (TPL) Mode

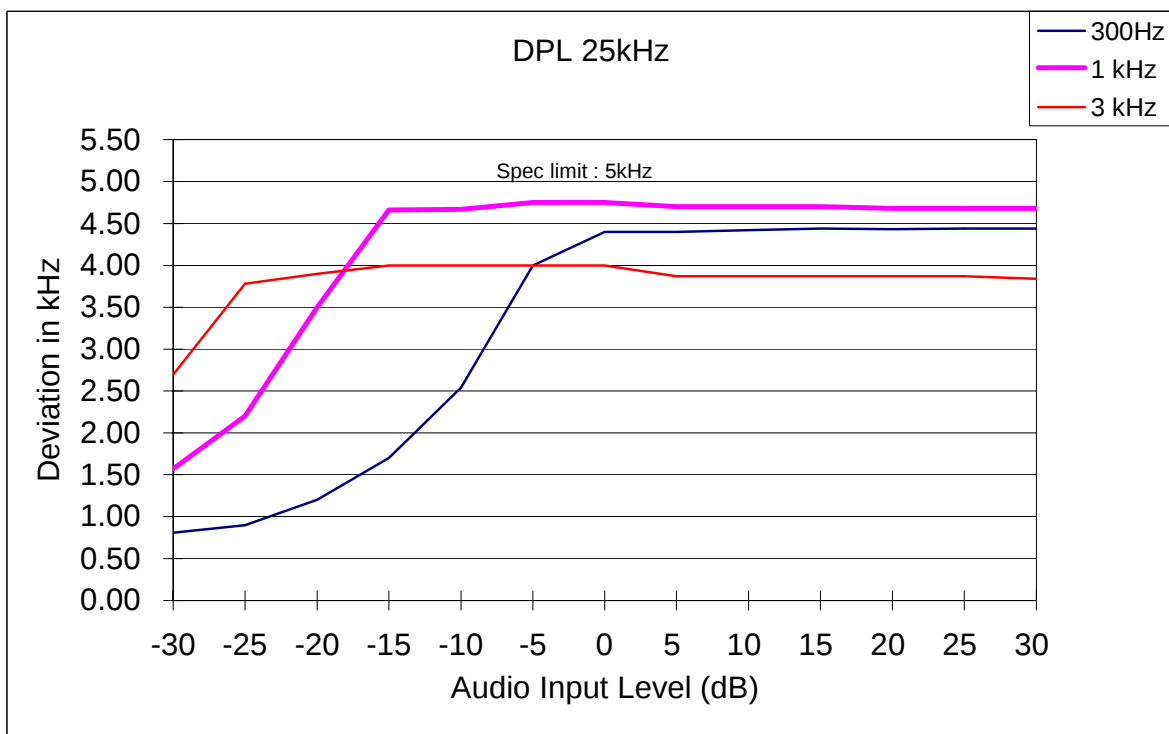


Figure 6D-6: 25 kHz Channel Spacing, 162.025 MHz, Digital Private Line (DPL) Mode

EXHIBIT 6E

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

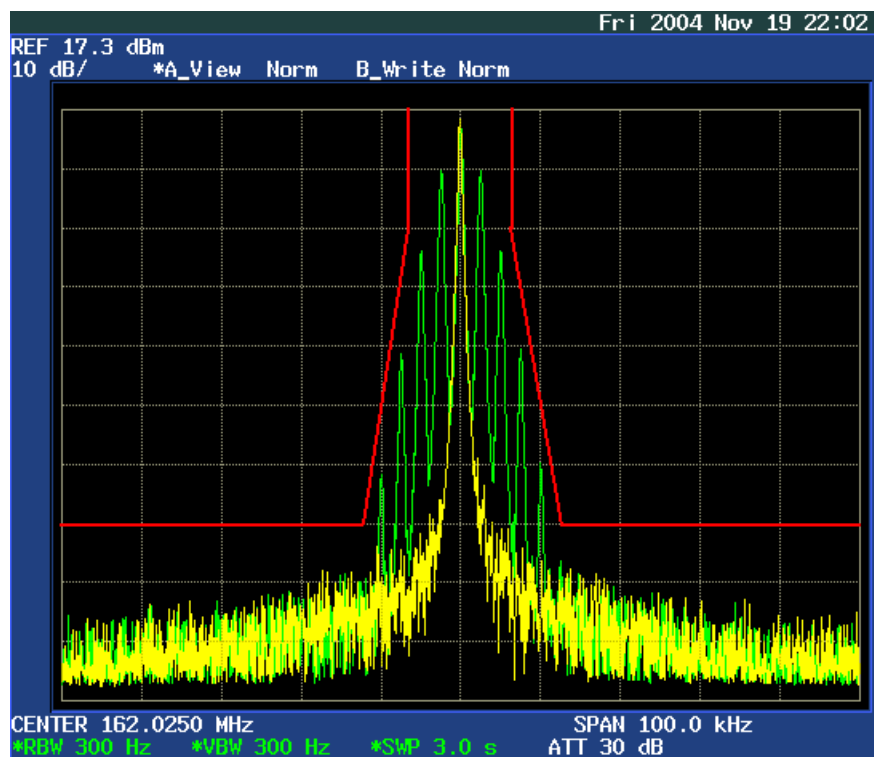


Figure 6E-1: 12.5 kHz Channel Spacing, 162.025 MHz, 2500 Hz Audio Modulation Only, Mask D

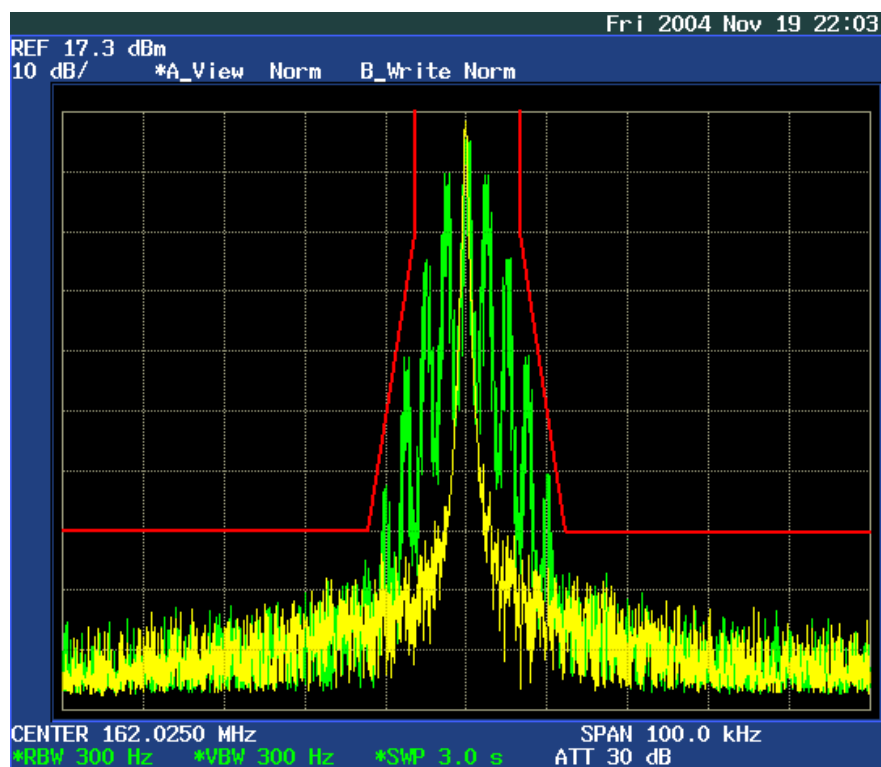


Figure 6E-2: 12.5 kHz Channel Spacing, 162.025 MHz, 2500 Hz Audio and PL Tone Modulation, Mask D

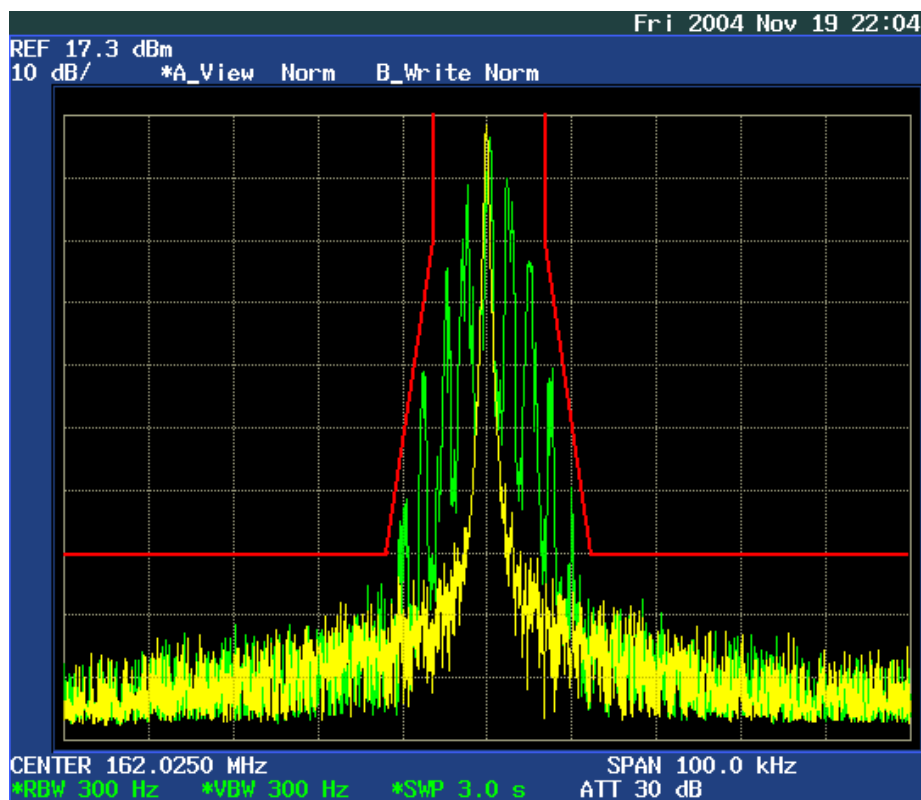


Figure 6E-3: 12.5 kHz Channel Spacing, 162.025 MHz, 2500 Hz Audio and DPL Tone Modulation, Mask D

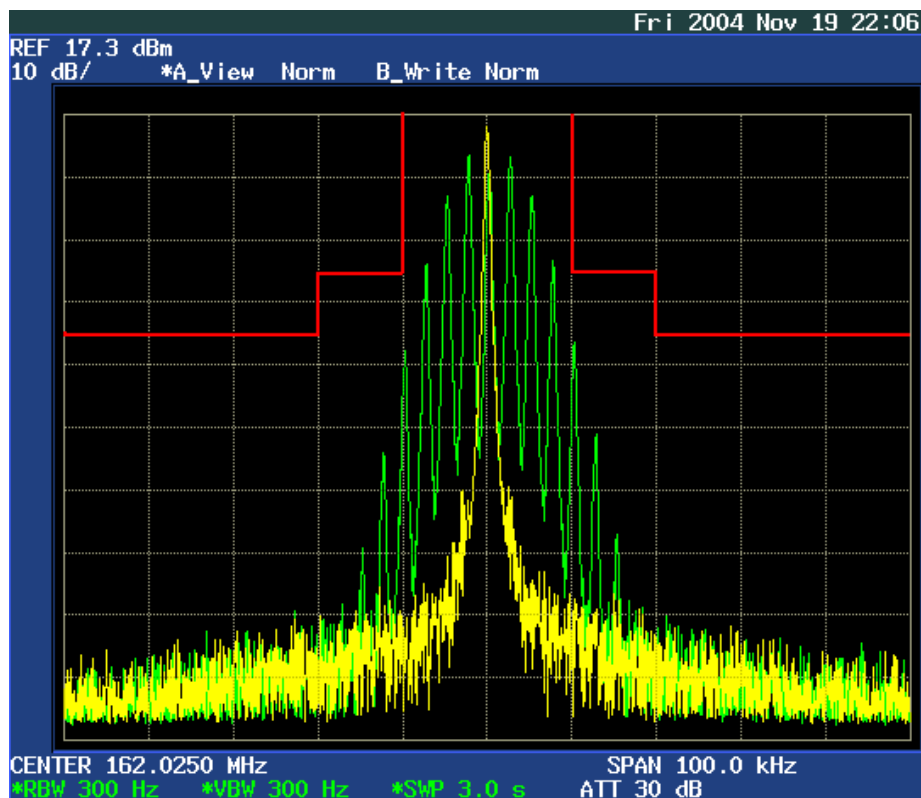


Figure 6E-4: 25 kHz Channel Spacing, 162.025 MHz, 2500 Hz Audio Modulation Only, Mask B

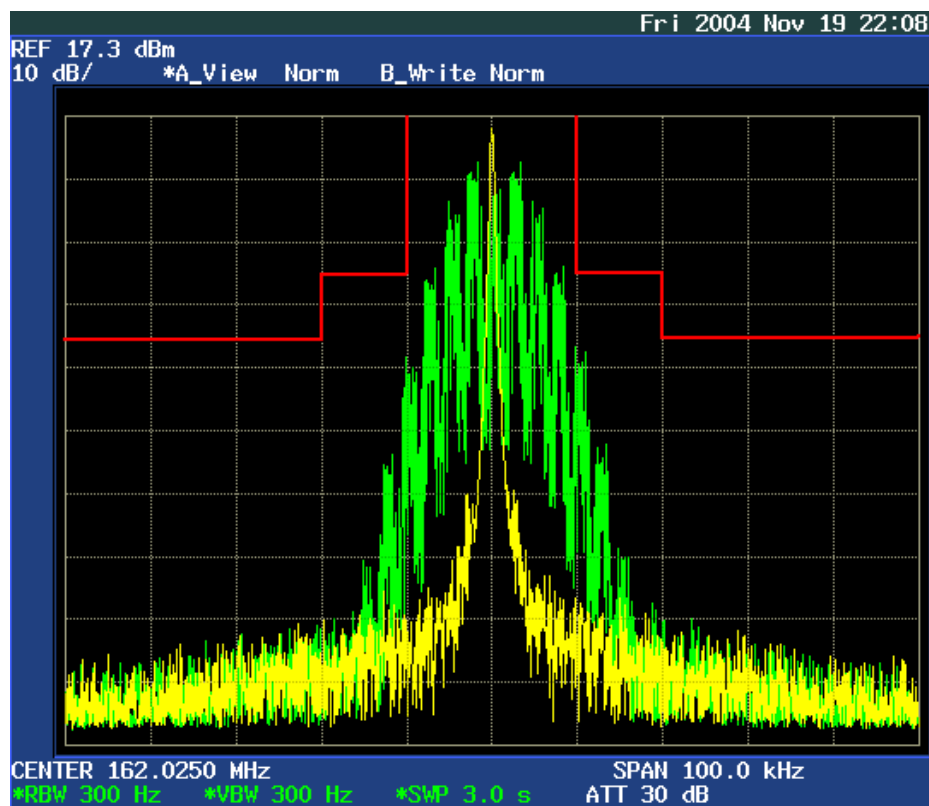


Figure 6E-5: 25 kHz Channel Spacing, 162.025 MHz, 2500 Hz Audio and PL Tone Modulation, Mask B

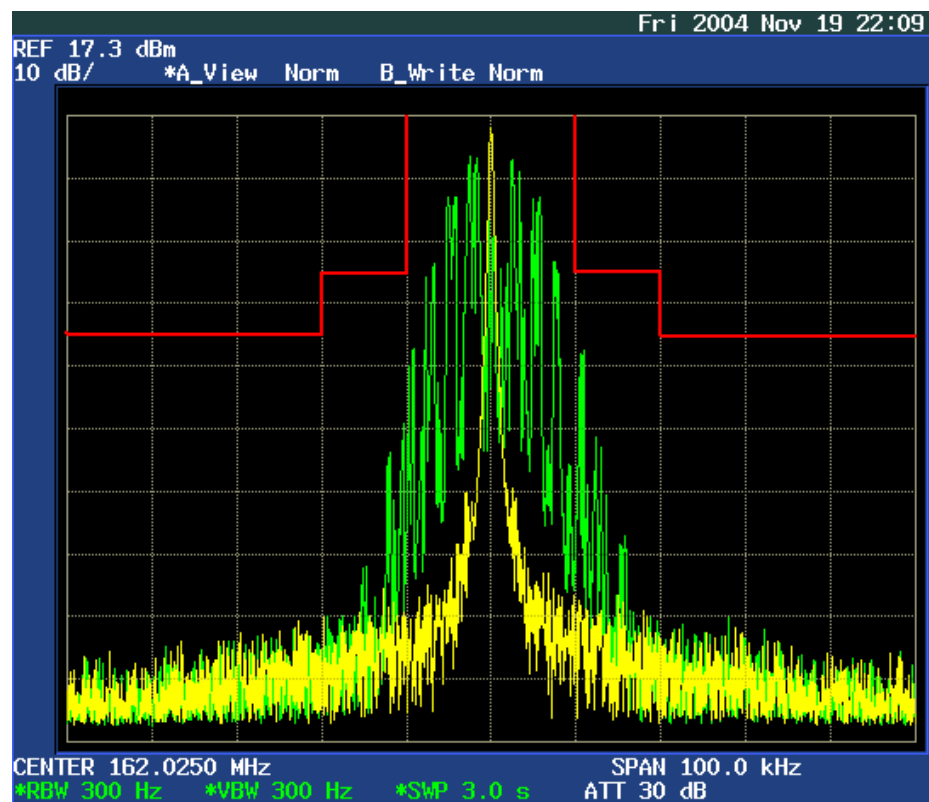


Figure 6E-6: 25 kHz Channel Spacing, 162.025 MHz, 2500 Hz Audio and DPL Tone Modulation, Mask B

EXHIBIT 6F

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

Note: Red lines on graphs correspond to the FCC limit of -13dBm.

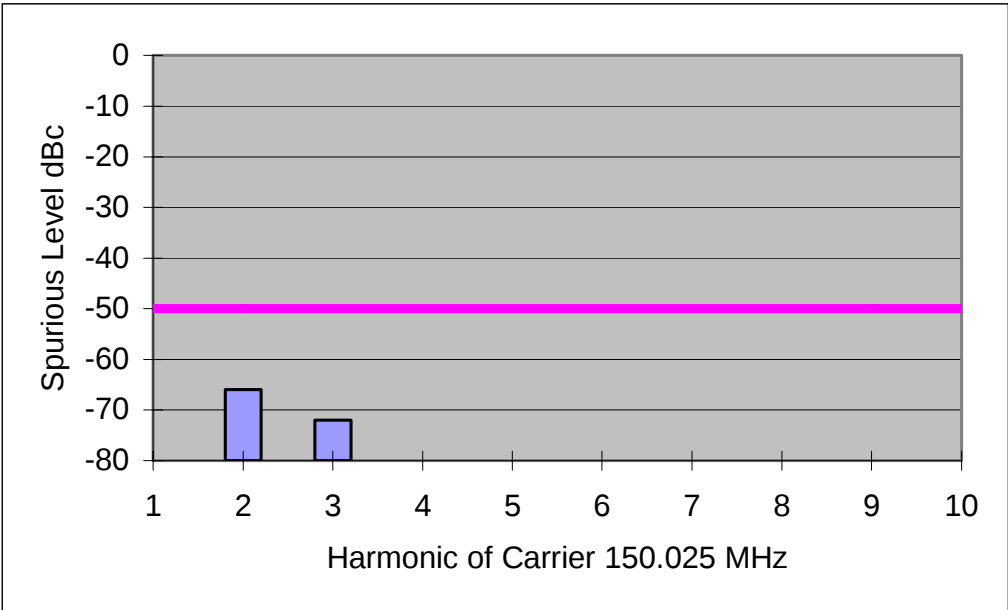


Table 6F-1: 1 Watt Harmonic of Carrier 150.025 MHz, 12.5 kHz Channel Spacing

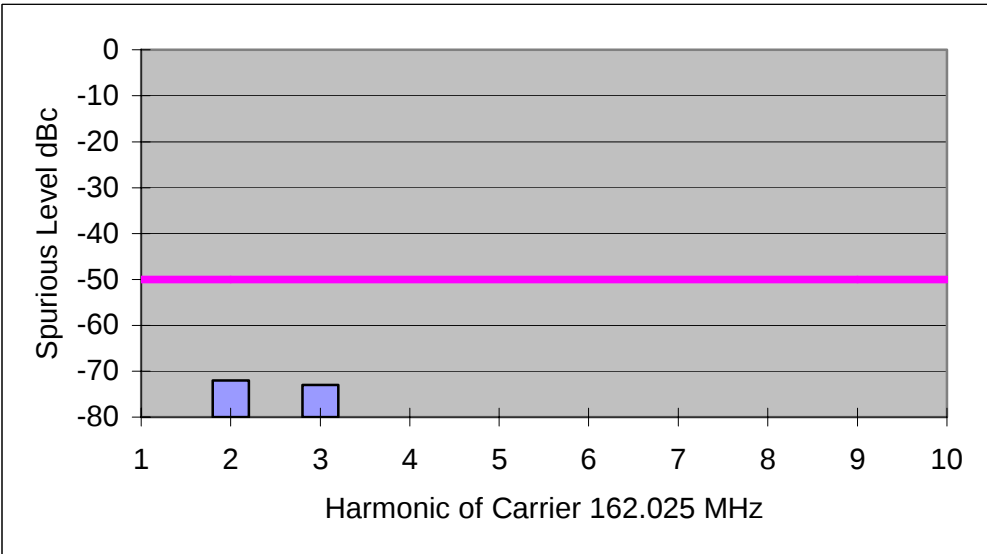


Table 6F-2: 1 Watt Harmonic of Carrier 162.025 MHz, 12.5 kHz Channel Spacing

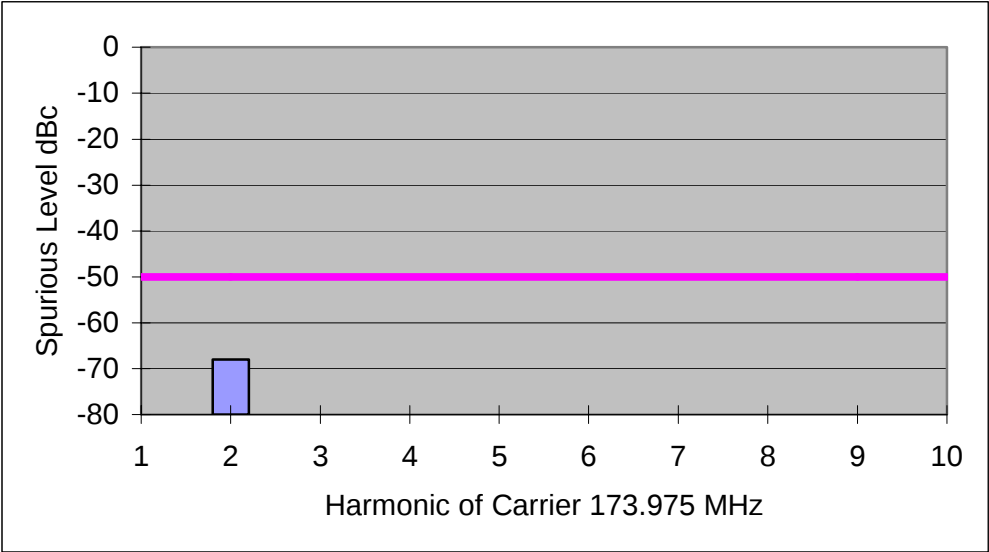


Table 6F-3: 1 Watt Harmonic of Carrier 173.975 MHz, 12.5 kHz Channel Spacing

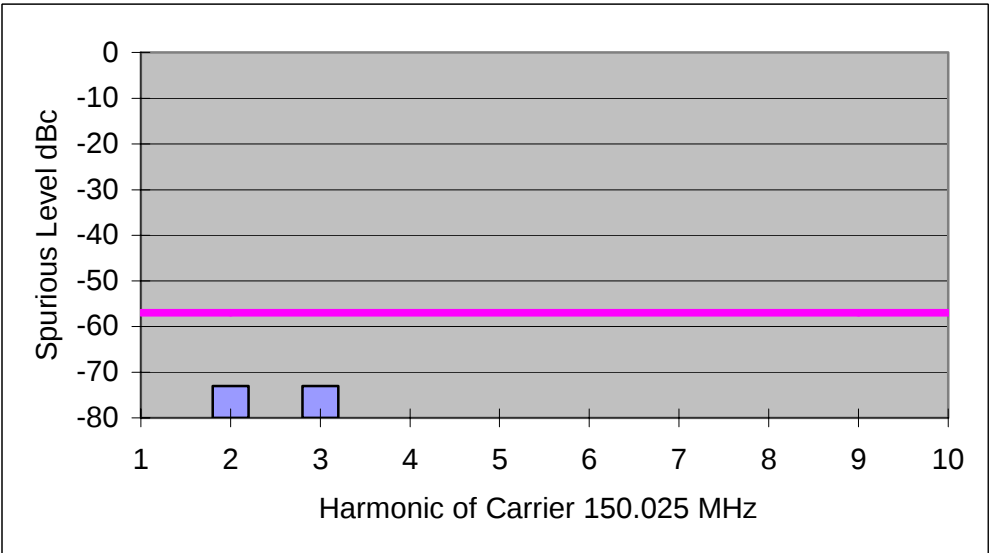


Table 6F-4: 5 Watt Harmonic of Carrier 150.025 MHz, 12.5 kHz Channel Spacing

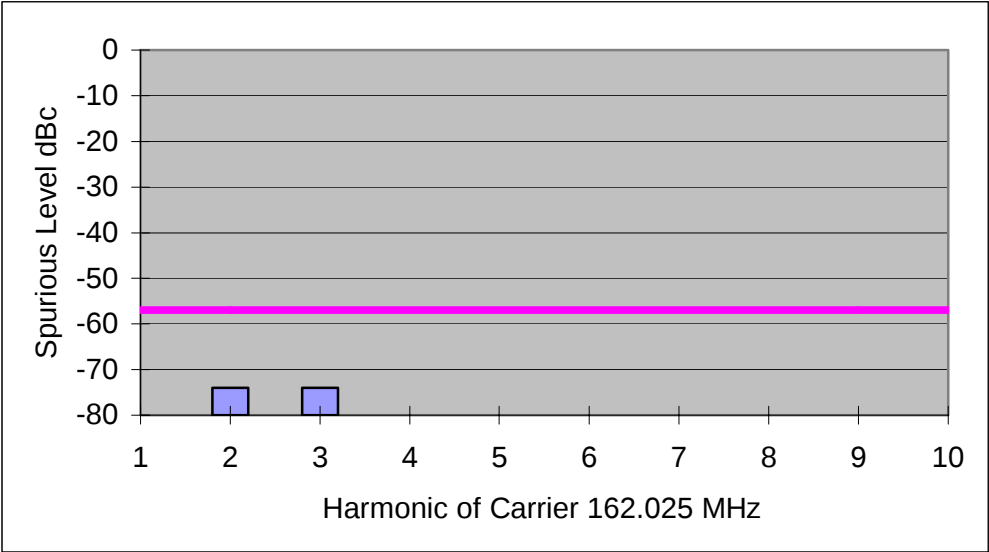


Table 6F-5: 5 Watt Harmonic of Carrier 162.025 MHz, 12.5 kHz Channel Spacing

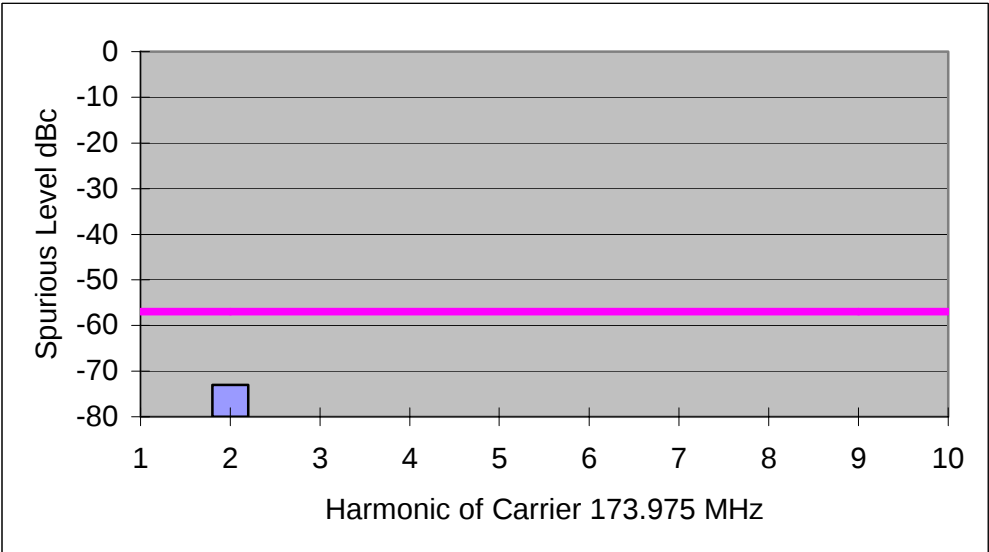


Table 6F-6: 5 Watt Harmonic of Carrier 173.975 MHz, 12.5 kHz Channel Spacing

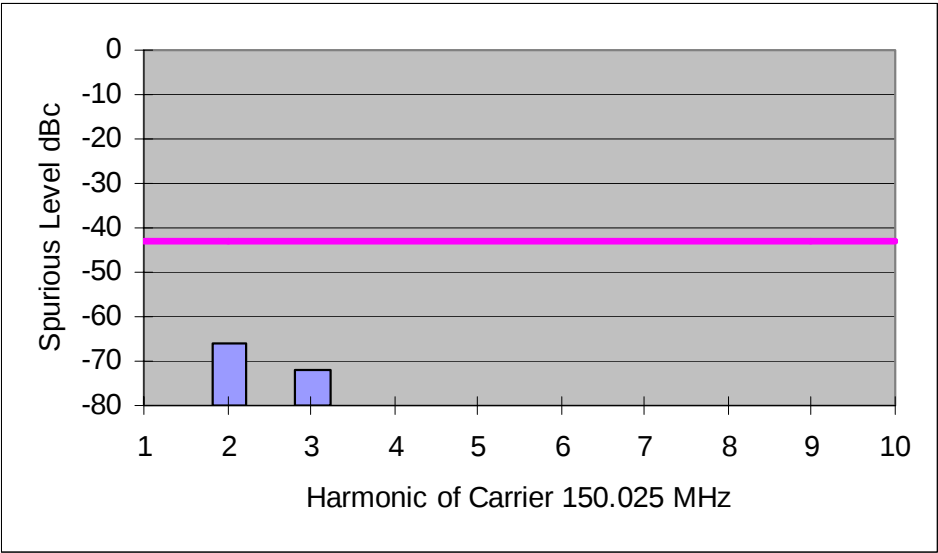


Table 6F-7: 1 Watt Harmonic of Carrier 150.025 MHz, 25 kHz Channel Spacing

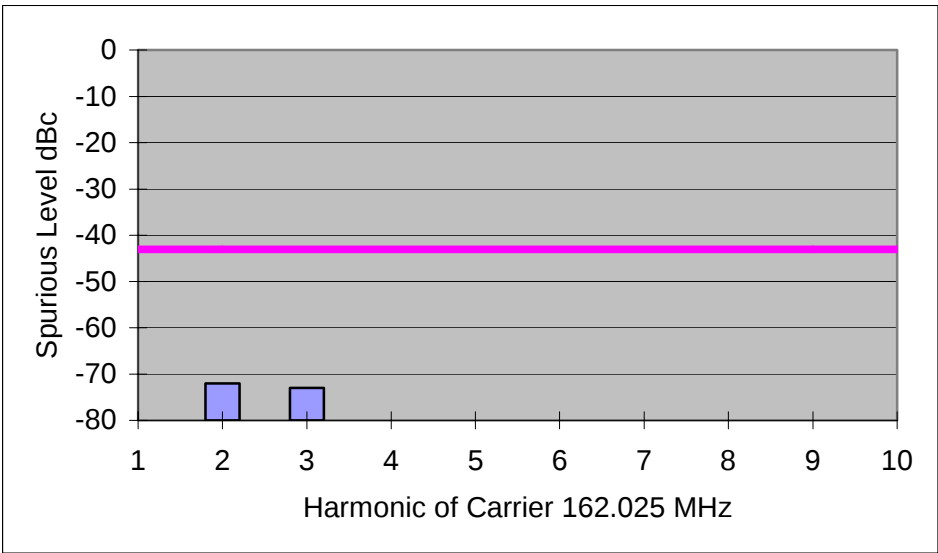


Table 6F-8: 1 Watt Harmonic of Carrier 162.025 MHz, 25 kHz Channel Spacing

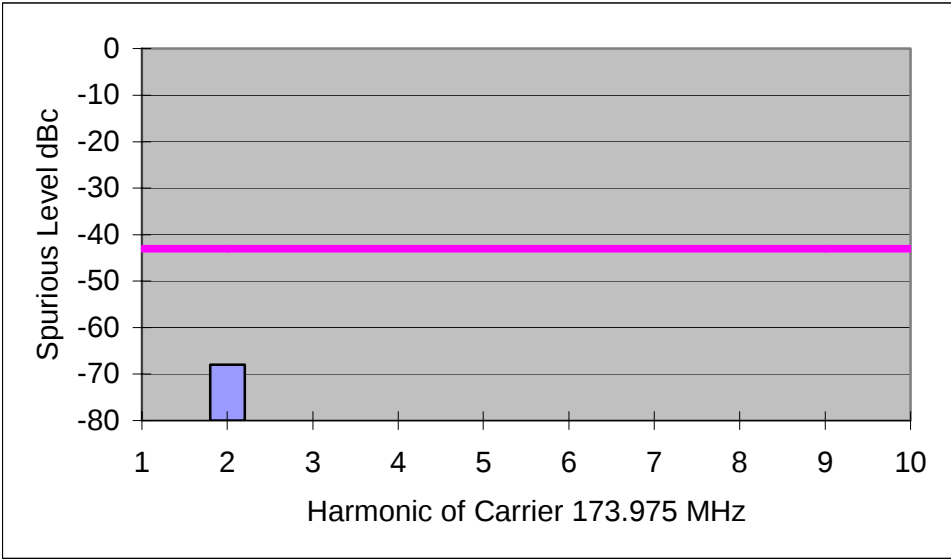


Table 6F-9: 1 Watt Harmonic of Carrier 173.975 MHz, 25 kHz Channel Spacing

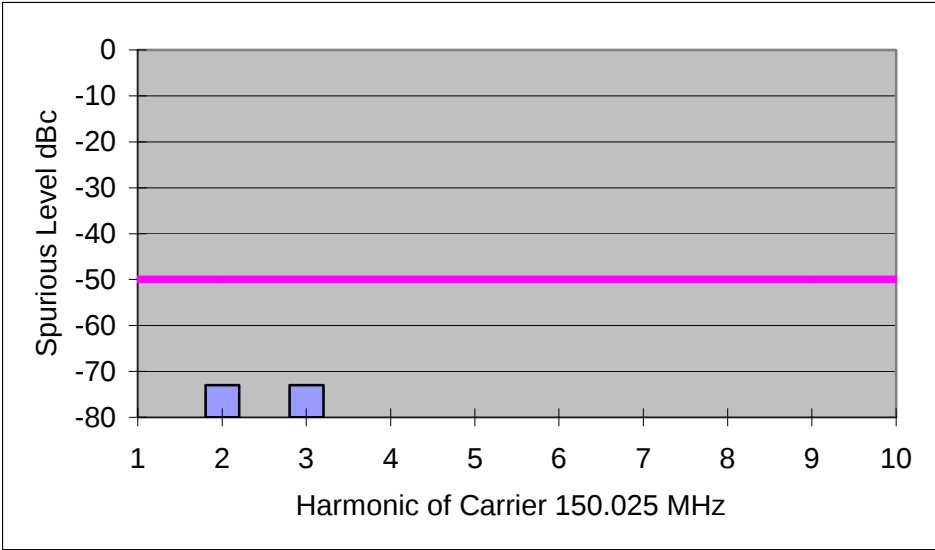


Table 6F-10: 5 Watt Harmonic of Carrier 150.025 MHz, 25 kHz Channel Spacing

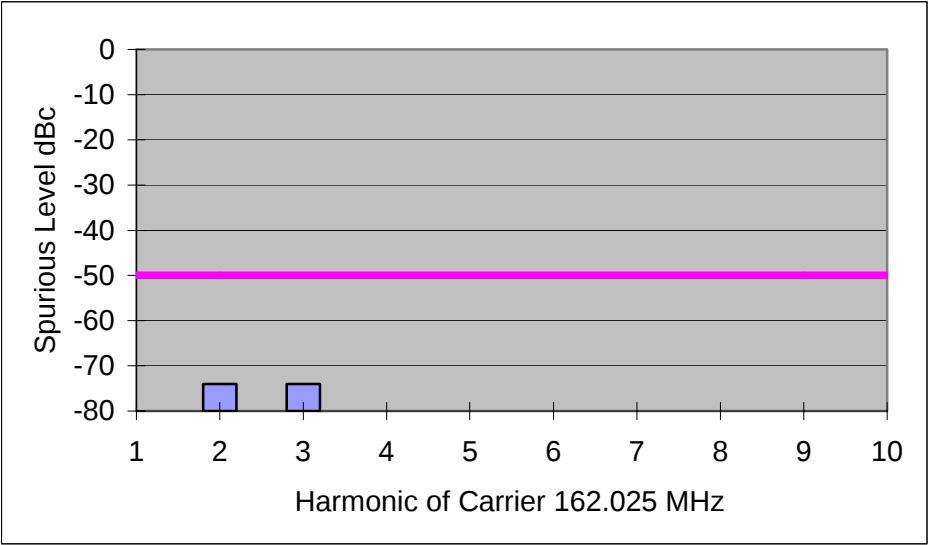


Table 6F-11: 5 Watt Harmonic of Carrier 162.025 MHz, 25 kHz Channel Spacing

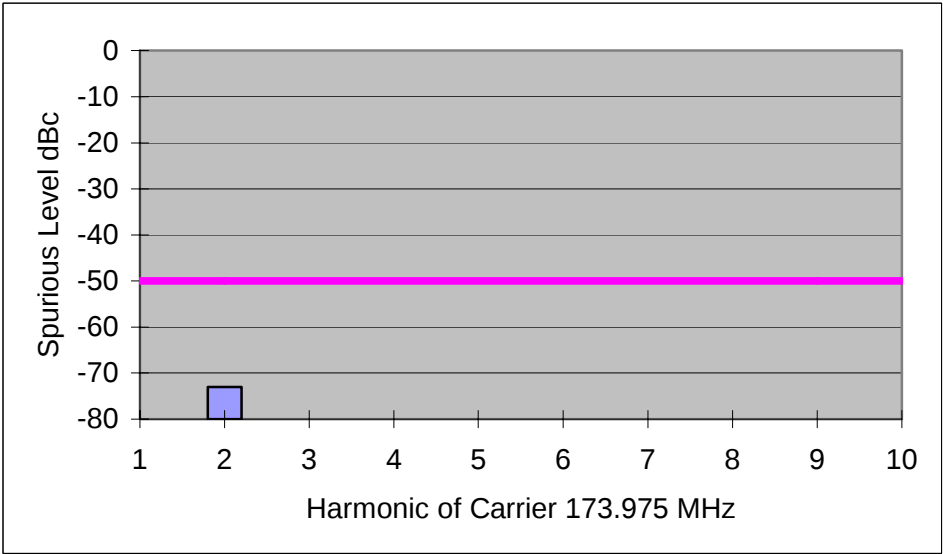


Table 6F-12: 5 Watt Harmonic of Carrier 173.975 MHz, 25 kHz Channel Spacing

EXHIBIT 6G

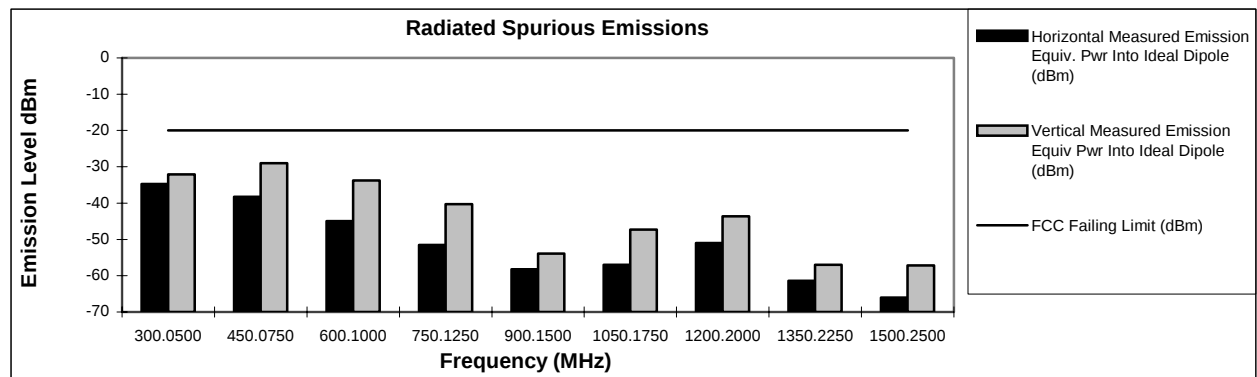
Transmitter Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

Tx Power: 5 Watts

150.025 MHz

Channel Spacing 12.5kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
300.0500	-20	-34.77	-32.06
450.0750	-20	-38.29	-28.98
600.1000	-20	-44.92	-33.79
750.1250	-20	-51.57	-40.26
900.1500	-20	-58.24	-53.89
1050.1750	-20	-56.96	-47.30
1200.2000	-20	-50.99	-43.65
1350.2250	-20	-61.41	-56.97
1500.2500	-20	-66.06	-57.15



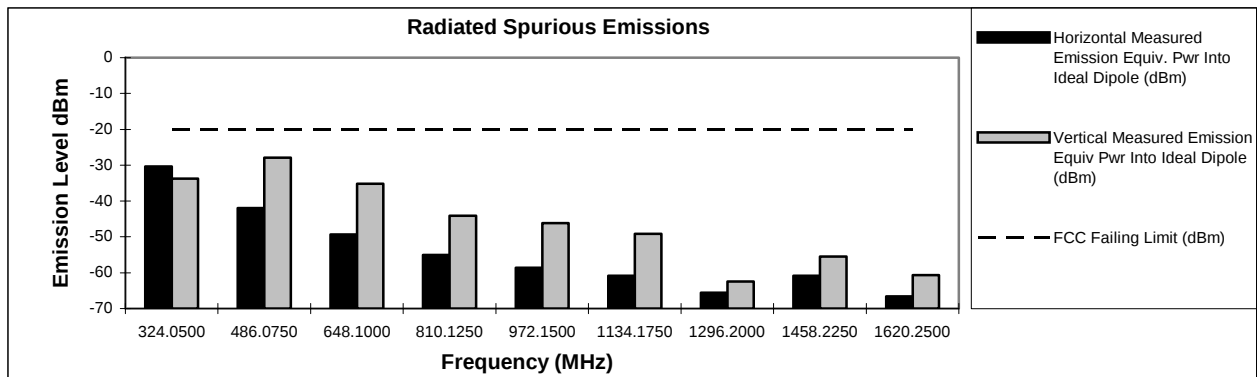
Graph 6G – 1: 5 Watts, 150.025 MHz, 12.5 kHz Channel Spacing

Tx Power: 5 Watts

162.025 MHz

Channel Spacing 12.5kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
324.0500	-20	-30.39	-33.79
486.0750	-20	-41.96	-27.90
648.1000	-20	-49.33	-35.20
810.1250	-20	-55.03	-44.07
972.1500	-20	-58.58	-46.11
1134.1750	-20	-60.86	-49.15
1296.2000	-20	-65.52	-62.44
1458.2250	-20	-60.86	-55.45
1620.2500	-20	-66.65	-60.69



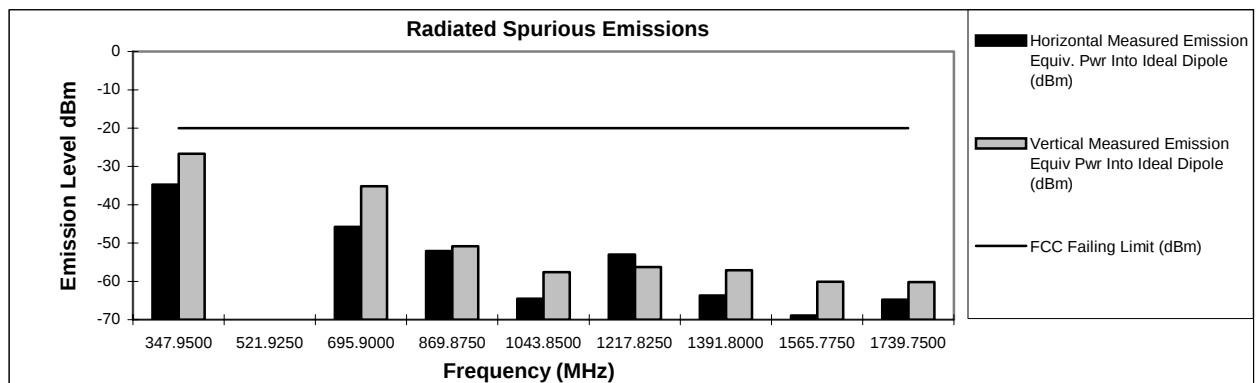
Graph 6G – 2: 5 Watts, 162.025 MHz, 12.5 kHz Channel Spacing

Tx Power: 5 Watts

173.975 MHz

Channel Spacing 12.5kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
347.9500	-20	-34.72	-26.64
521.9250	-20	*	*
695.9000	-20	-45.76	-35.18
869.8750	-20	-52.08	-50.86
1043.8500	-20	-64.51	-57.56
1217.8250	-20	-52.96	-56.23
1391.8000	-20	-63.63	-57.11
1565.7750	-20	-68.92	-60.12
1739.7500	-20	-64.74	-60.20



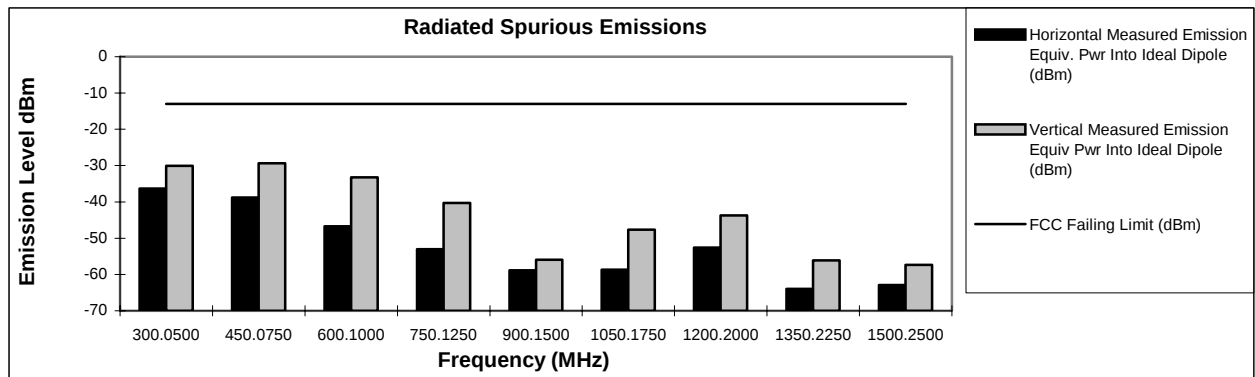
Graph 6G – 3: 5 Watts, 173.975 MHz, 12.5 kHz Channel Spacing

Tx Power: 5 Watts

150.025 MHz

Channel Spacing 25kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
300.0500	-13	-36.29	-30.09
450.0750	-13	-38.74	-29.41
600.1000	-13	-46.71	-33.24
750.1250	-13	-53.04	-40.27
900.1500	-13	-58.79	-55.93
1050.1750	-13	-58.63	-47.70
1200.2000	-13	-52.55	-43.67
1350.2250	-13	-63.91	-56.14
1500.2500	-13	-62.89	-57.32



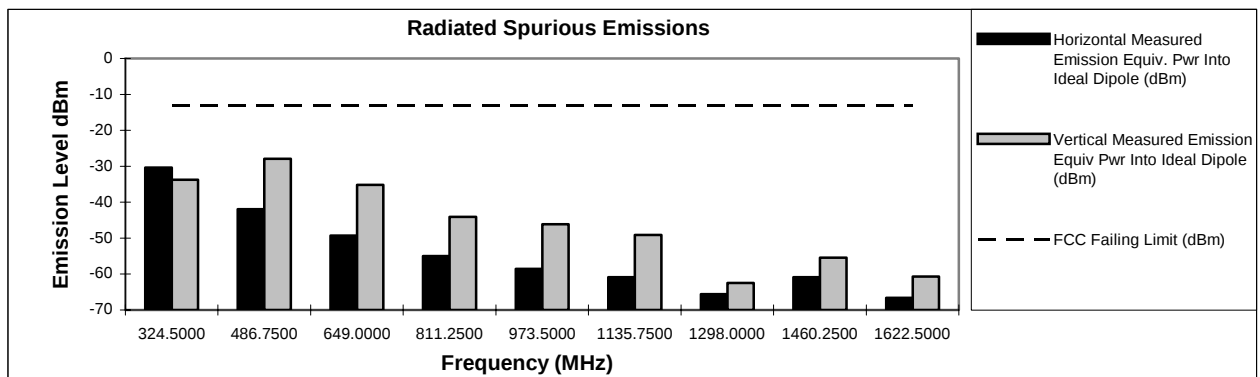
Graph 6G – 4: 5 Watts, 150.025 MHz, 25 kHz Channel Spacing

Tx Power: 5 Watts

162.250MHz

Channel Spacing 25kHz | S/N 027VEU0009

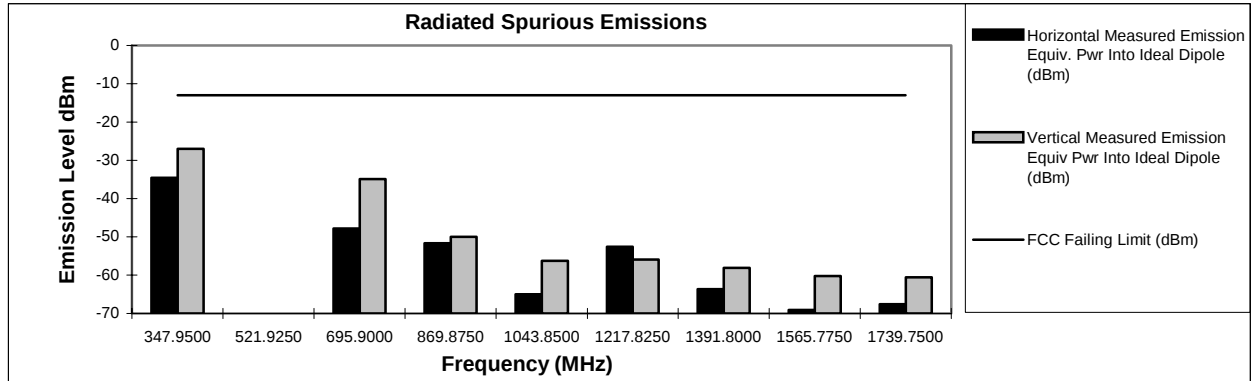
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
324.5000	-13	-30.39	-33.79
486.7500	-13	-41.96	-27.90
649.0000	-13	-49.33	-35.20
811.2500	-13	-55.03	-44.07
973.5000	-13	-58.58	-46.11
1135.7500	-13	-60.86	-49.15
1298.0000	-13	-65.52	-62.44
1460.2500	-13	-60.86	-55.45
1622.5000	-13	-66.65	-60.69



Graph 6G – 5: 5 Watts, 162.250 MHz, 25 kHz Channel Spacing

173.975 MHz**Channel Spacing 25kHz | S/N 027VEU0009**

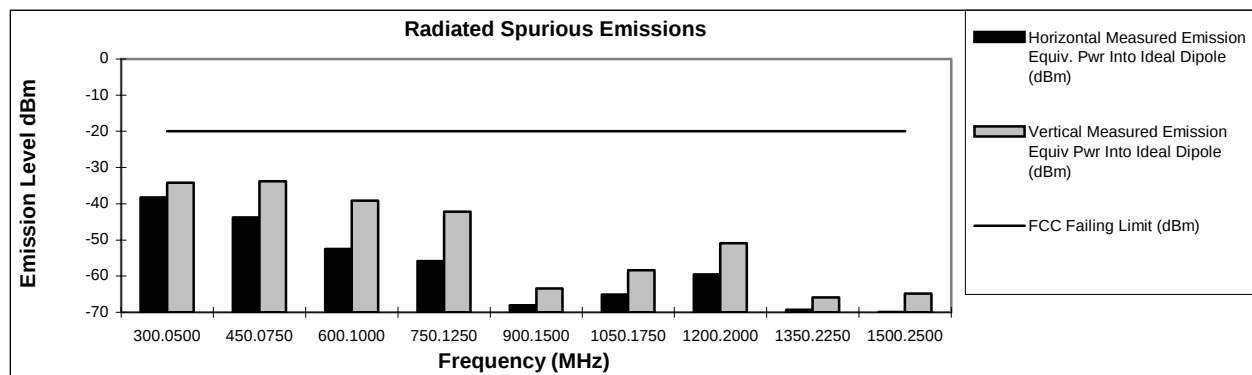
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
347.9500	-13	-34.55	-26.98
521.9250	-13	*	*
695.9000	-13	-47.80	-34.90
869.8750	-13	-51.69	-49.99
1043.8500	-13	-64.99	-56.28
1217.8250	-13	-52.58	-55.94
1391.8000	-13	-63.64	-58.09
1565.7750	-13	-69.06	-60.27
1739.7500	-13	-67.58	-60.61



Graph 6G – 6: 5 Watts, 173.975 MHz, 25 kHz Channel Spacing

Tx Power: 1 Watts**150.025 MHz****Channel Spacing 12.5kHz | S/N 027VEU0009**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
300.0500	-20	-38.22	-34.19
450.0750	-20	-43.83	-33.81
600.1000	-20	-52.52	-39.12
750.1250	-20	-55.84	-42.21
900.1500	-20	-68.07	-63.42
1050.1750	-20	-65.11	-58.43
1200.2000	-20	-59.57	-50.89
1350.2250	-20	-69.29	-65.84
1500.2500	-20	-69.90	-64.81



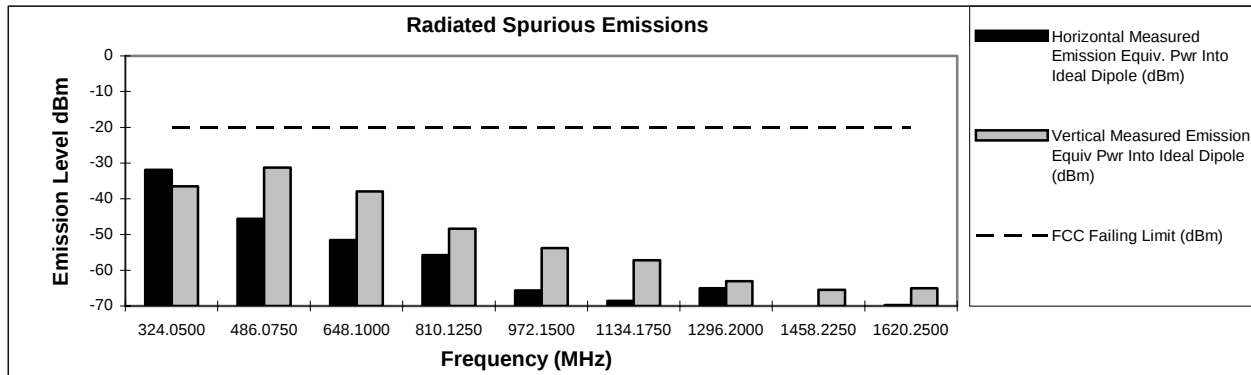
Graph 6G – 7: 1 Watts, 150.025 MHz, 12.5 kHz Channel Spacing

Tx Power: 1 Watts

162.025 MHz

Channel Spacing 12.5kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
324.0500	-20	-31.89	-36.54
486.0750	-20	-45.61	-31.27
648.1000	-20	-51.53	-37.95
810.1250	-20	-55.76	-48.36
972.1500	-20	-65.64	-53.76
1134.1750	-20	-68.56	-57.17
1296.2000	-20	-64.99	-63.07
1458.2250	-20	-70.03	-65.45
1620.2500	-20	-69.77	-65.05



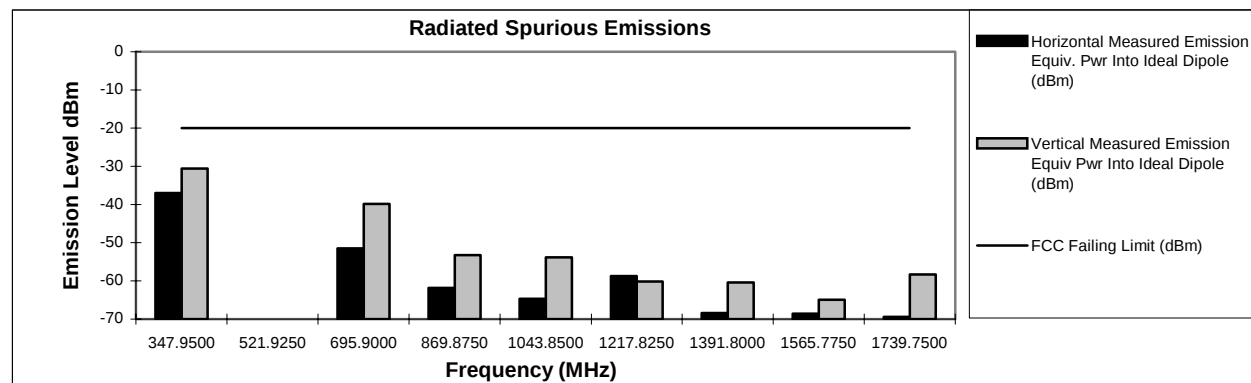
Graph 6G – 8: 1 Watts, 162.025 MHz, 12.5 kHz Channel Spacing

Tx Power: 1 Watts

173.975 MHz

Channel Spacing 12.5kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
347.9500	-20	-37.00	-30.57
521.9250	-20	*	*
695.9000	-20	-51.47	-39.83
869.8750	-20	-61.80	-53.23
1043.8500	-20	-64.68	-53.83
1217.8250	-20	-58.73	-60.16
1391.8000	-20	-68.38	-60.39
1565.7750	-20	-68.59	-64.89
1739.7500	-20	-69.45	-58.31



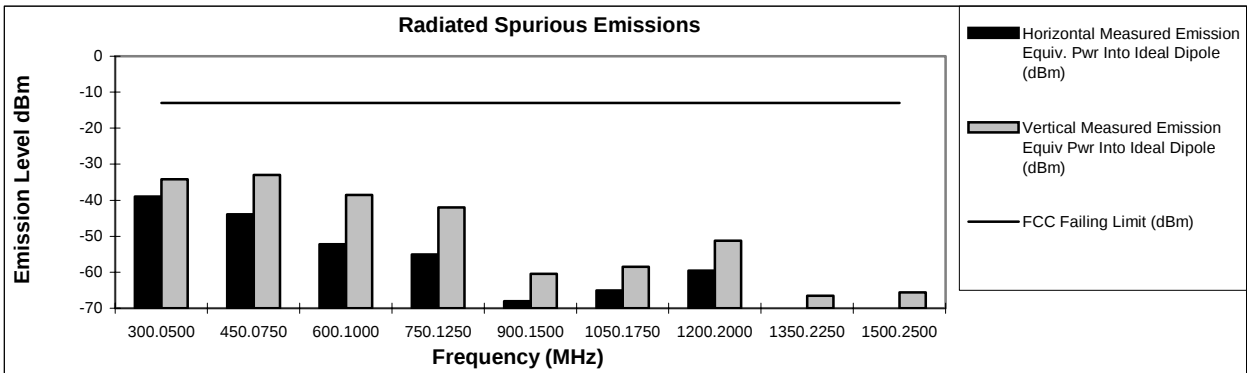
Graph 6G – 9: 1 Watts, 173.975 MHz, 12.5 kHz Channel Spacing

Tx Power: 1 Watts

150.025 MHz

Channel Spacing 25kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
300.0500	-13	-38.96	-34.19
450.0750	-13	-43.92	-33.00
600.1000	-13	-52.21	-38.55
750.1250	-13	-55.09	-41.96
900.1500	-13	-68.09	-60.47
1050.1750	-13	-65.08	-58.52
1200.2000	-13	-59.59	-51.30
1350.2250	-13	-70.03	-66.51
1500.2500	-13	-71.87	-65.57



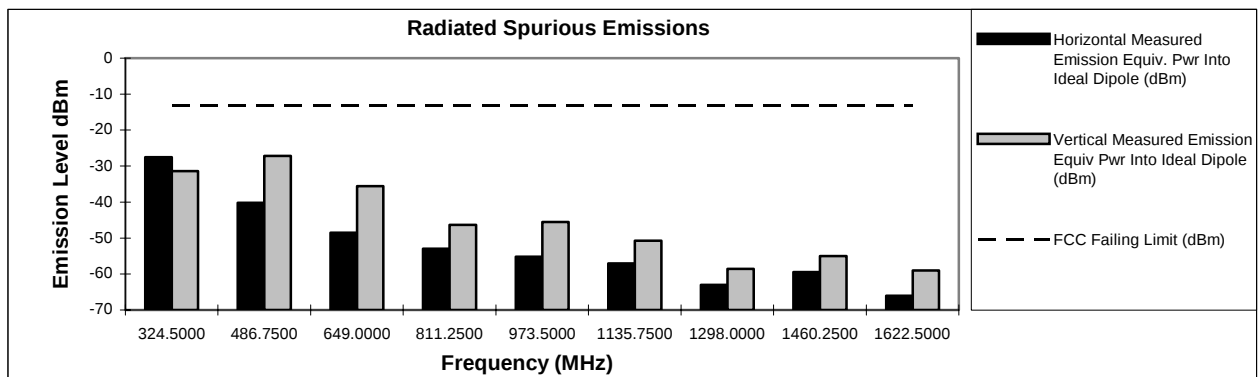
Graph 6G – 10: 1 Watts, 150.025 MHz, 25 kHz Channel Spacing

Tx Power: 1 Watts

162.250MHz

Channel Spacing 25kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
324.5000	-13	-27.51	-31.38
486.7500	-13	-40.22	-27.12
649.0000	-13	-48.56	-35.60
811.2500	-13	-52.92	-46.30
973.5000	-13	-55.15	-45.51
1135.7500	-13	-57.02	-50.72
1298.0000	-13	-63.02	-58.53
1460.2500	-13	-59.46	-55.01
1622.5000	-13	-66.01	-55.59

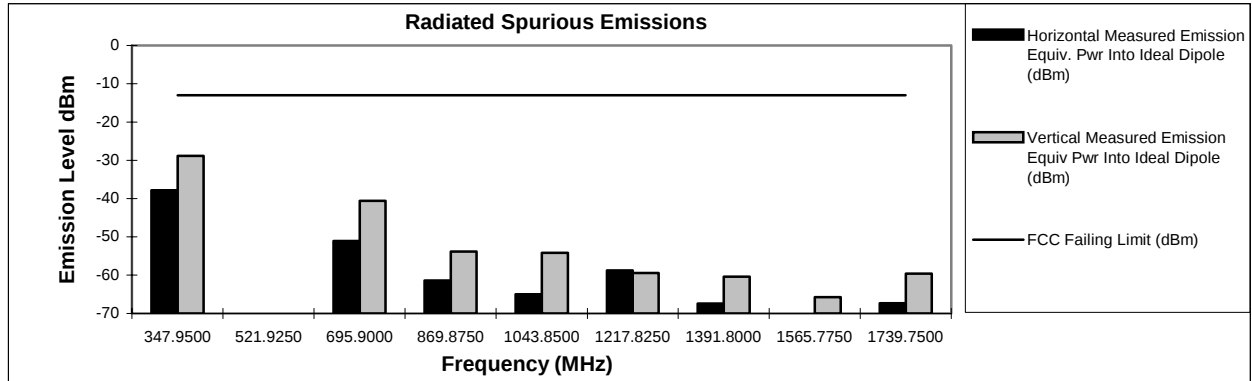


Graph 6G – 11: 1 Watts, 162.250 MHz, 25 kHz Channel Spacing

173.975 MHz

Channel Spacing 25kHz | S/N 027VEU0009

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
347.9500	-13	-37.80	-28.79
521.9250	-13	*	*
695.9000	-13	-51.06	-40.60
869.8750	-13	-61.40	-53.80
1043.8500	-13	-65.01	-54.20
1217.8250	-13	-58.77	-59.45
1391.8000	-13	-67.40	-60.39
1565.7750	-13	-71.18	-65.72
1739.7500	-13	-67.30	-59.59



Graph 6G – 12: 1 Watts, 173.975 MHz, 25 kHz Channel Spacing

EXHIBIT 6H

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

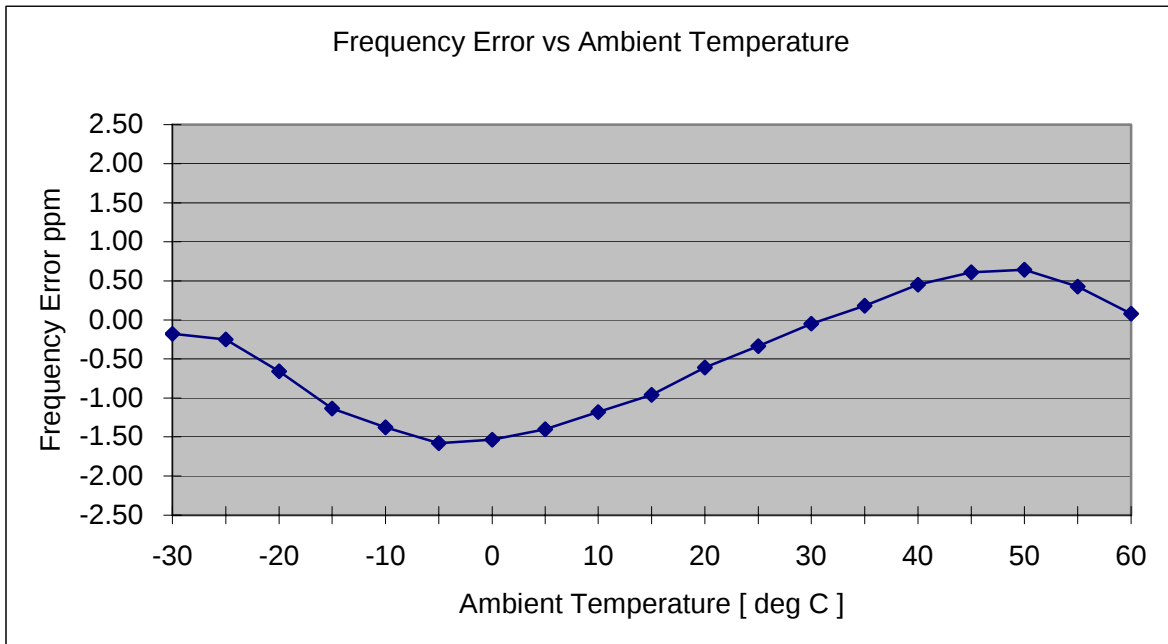


Figure 6H-1: Frequency Stability vs. Temperature

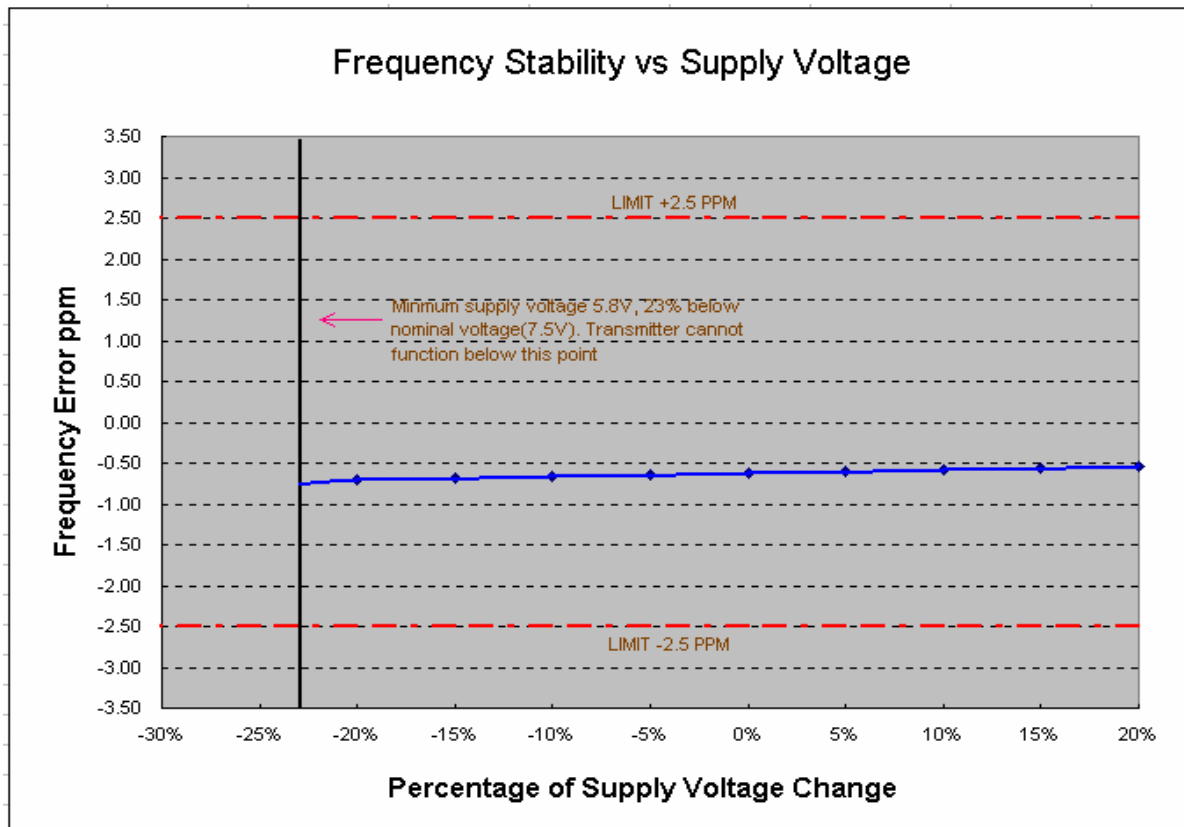


Figure 6H-2: Frequency Stability vs. Voltage

EXHIBIT 6I

Transient Frequency Behavior (FCC Rules Part 90.214)

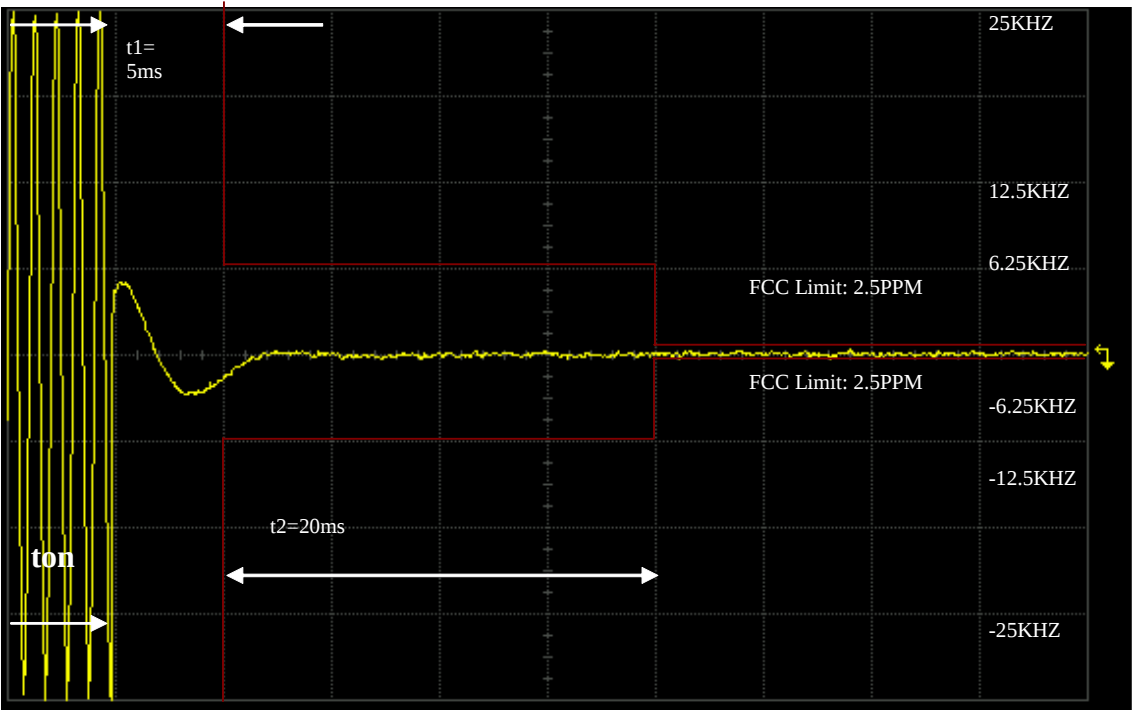


Figure 6I-1: 5 Watts, 12.5 kHz Key-Up Attack Time

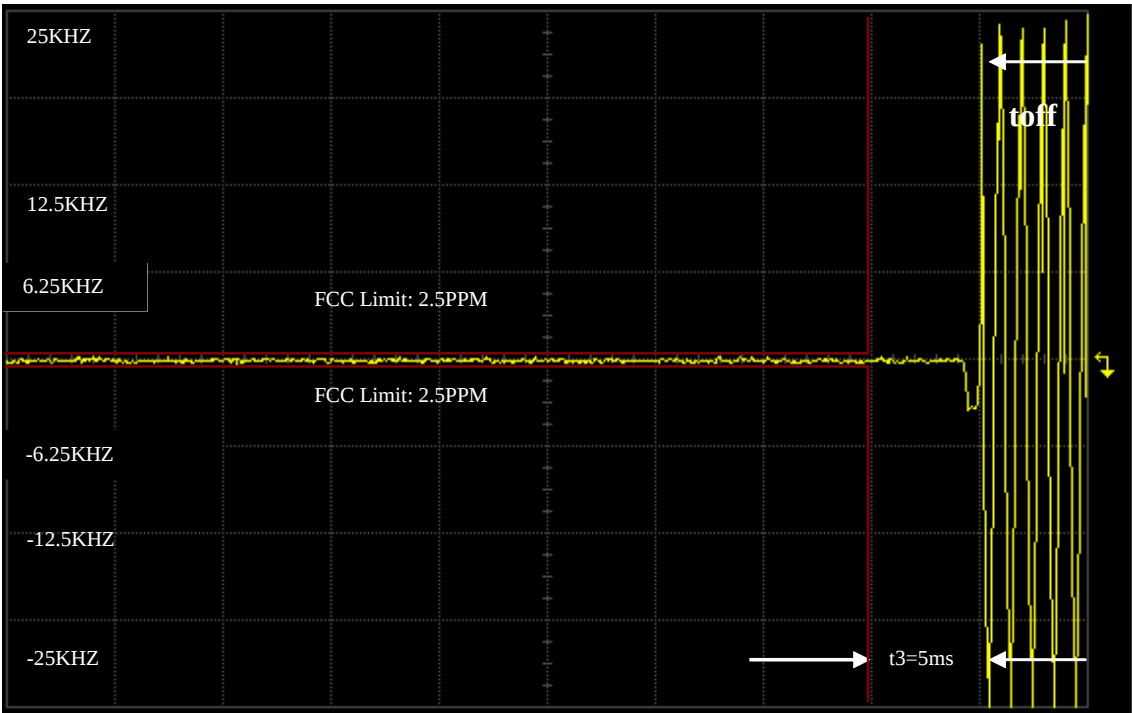


Figure 6I-2: 5 Watts, 12.5 kHz De-Key Decay Time

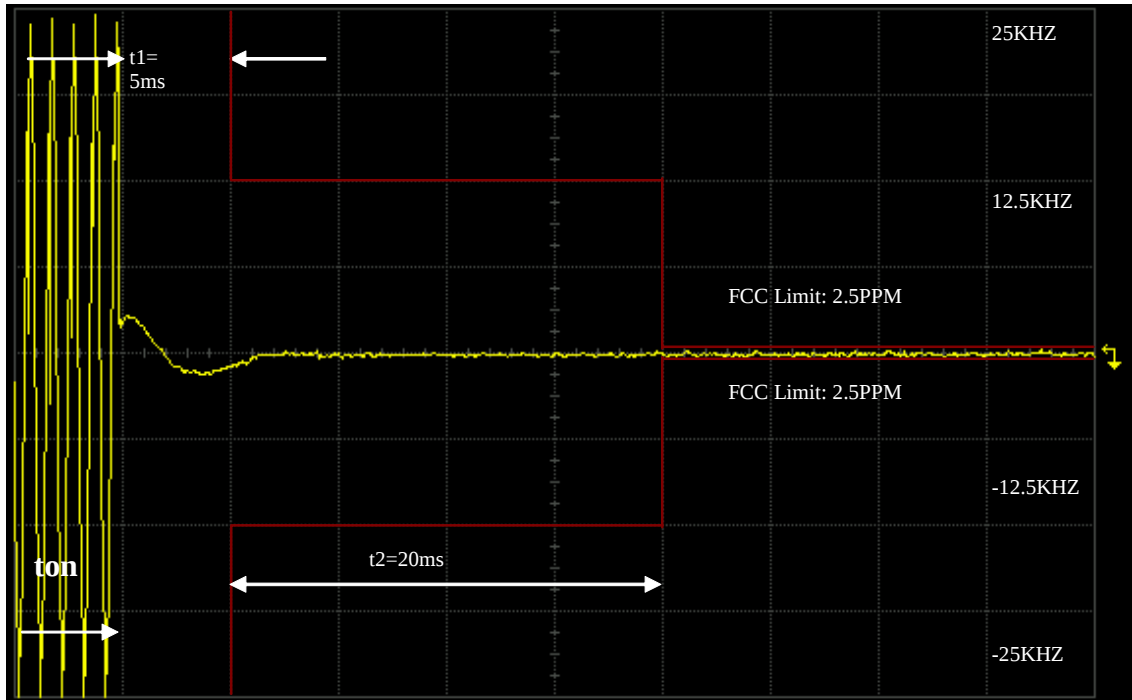


Figure 6I-3: 5 Watts, 25 kHz Key-Up Attack Time

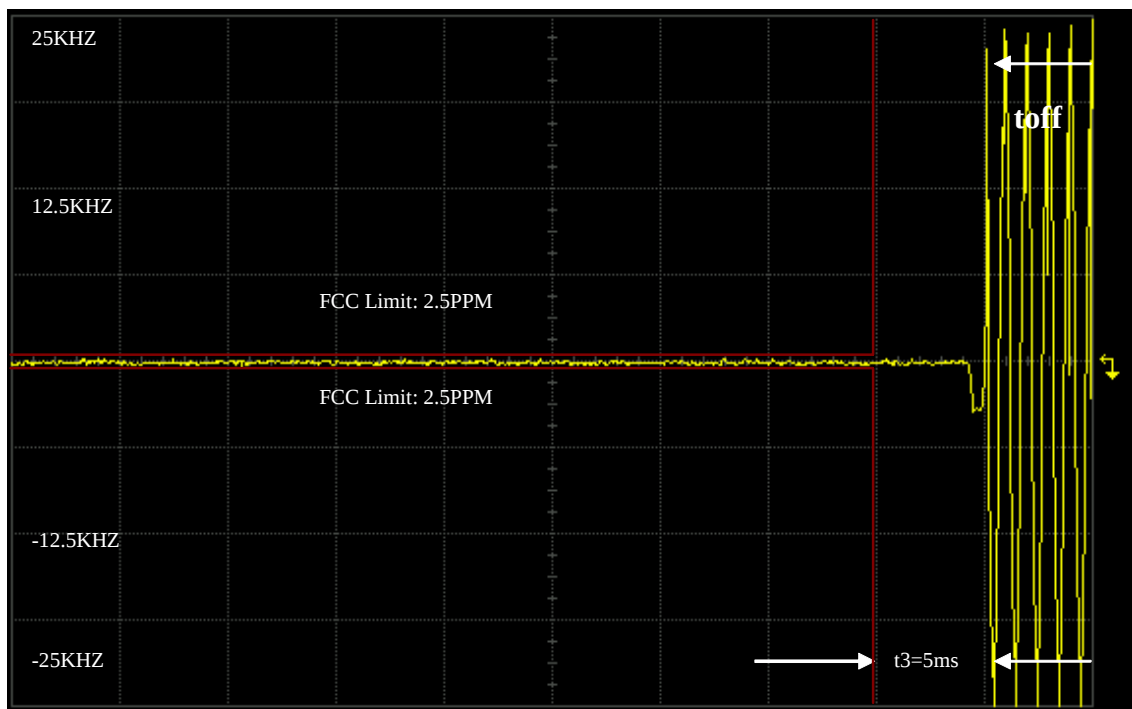


Figure 6I-4: 5 Watts, 25 kHz De-Key Decay Time

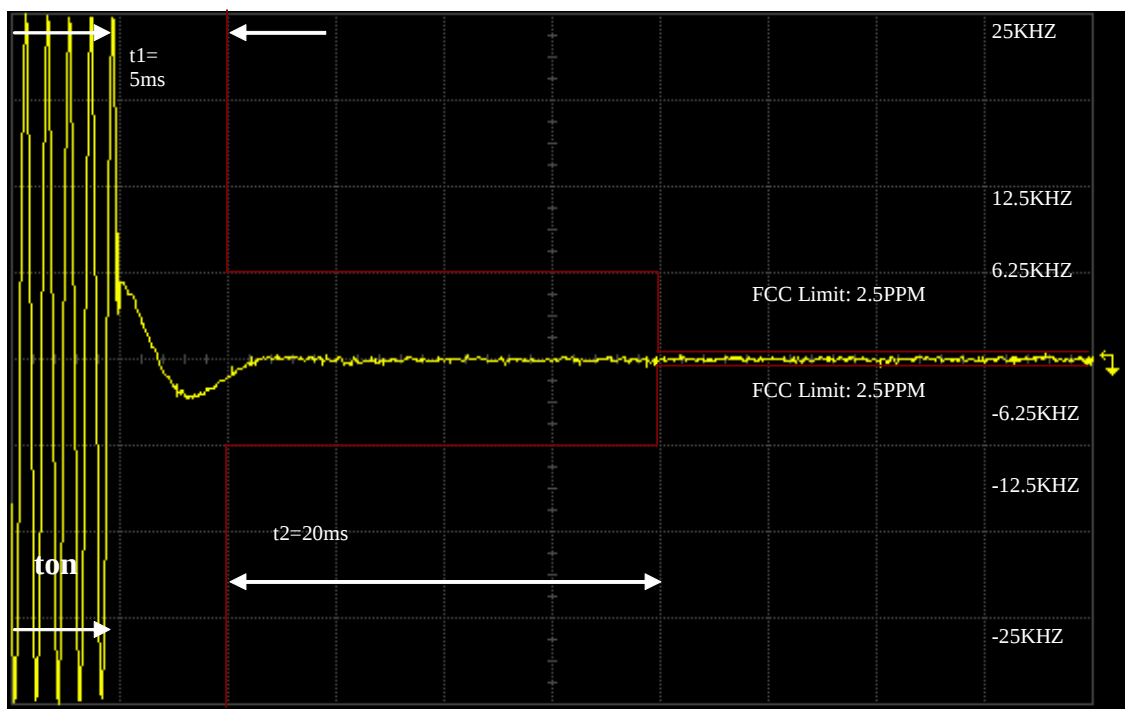


Figure 6I-5: 1 Watt, 12.5 kHz Key-Up Attack Time

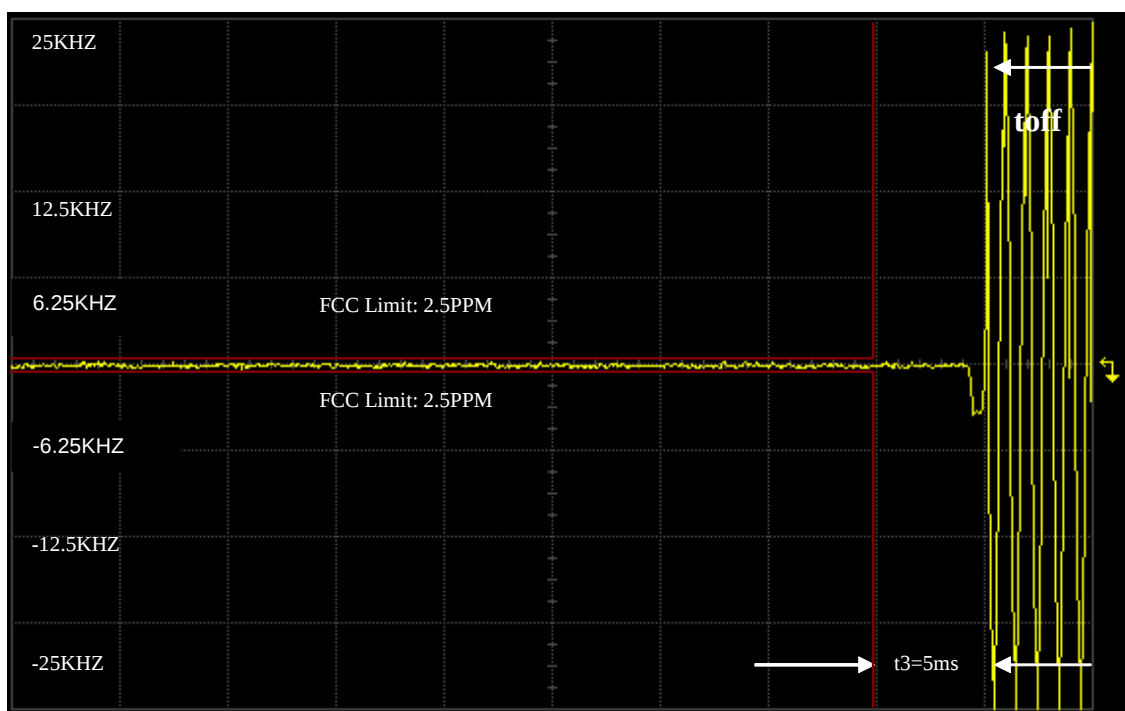


Figure 6I-6: 1 Watt, 12.5 kHz De-Key Decay Time

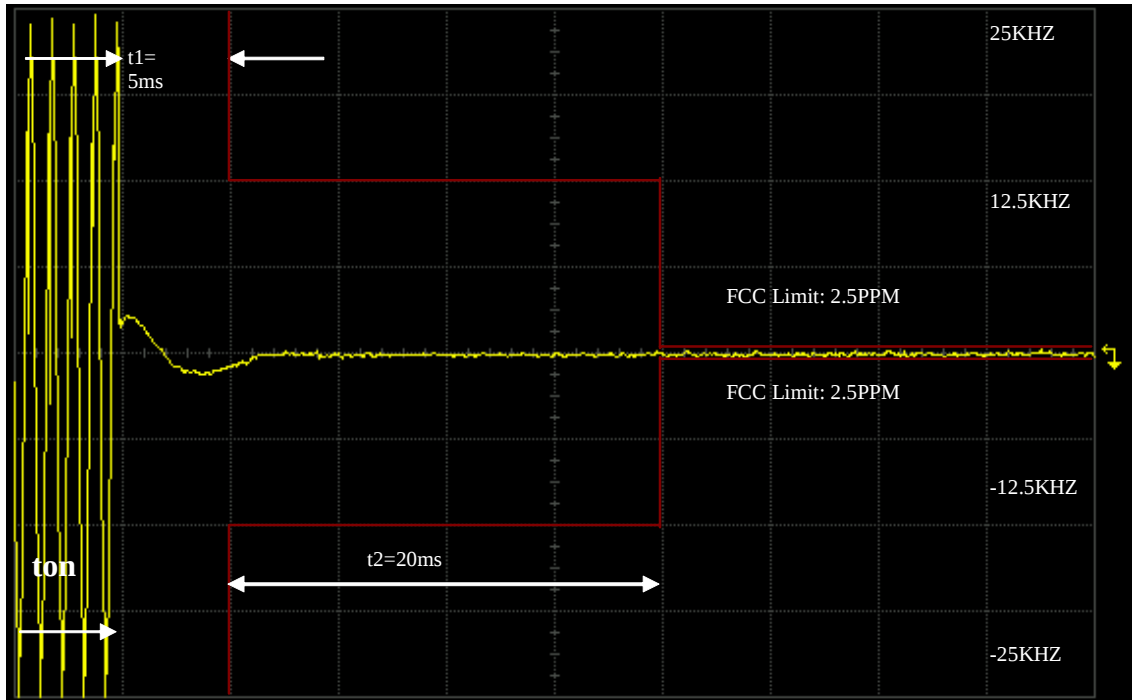


Figure 6I-7: 1 Watt, 25 kHz Key-Up Attack Time

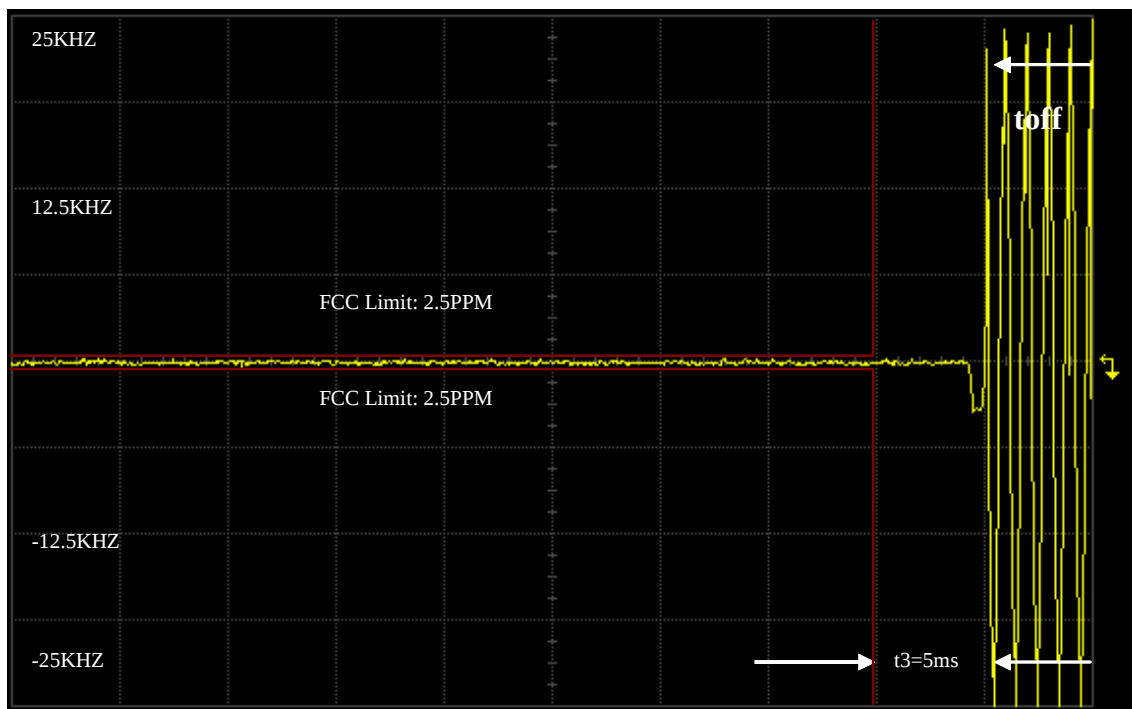


Figure 6I-8: 1 Watt, 25 kHz De-Key Decay Time