INDEX OF SUBMITTED MEASURED DATA

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

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- 6F-2 – 28 Watts, 454.025 MHz
- 6F-3 – 28 Watts, 469.975 MHz
- 6F-4 – 1 Watt, 438.025 MHz
- 6F-5 – 1 Watt, 454.025 MHz
- 6F-6 – 1 Watt, 469.975 MHz

EXHIBIT 6G – Radiated Spurious Emissions (6 Graphs)
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- 6G-2 – 28 Watts, 454.025 MHz
- 6G-3 – 28 Watts, 469.975 MHz
- 6G-4 – 1 Watt, 438.025 MHz
- 6G-5 – 1 Watt, 454.025 MHz
- 6G-6 – 1 Watt, 469.975 MHz

EXHIBIT 6H – Frequency Stability (2 Graphs)

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6I-8 – 1 Watt, 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 (Q100).

At maximum output power setting, Frequency 438 MHz:

Output RF power	28.0	Watts
DC Voltage	13.8	Volts
DC Current	5.56	A
RF PA Input Power	2.12	Watts

At minimum output power setting, Frequency 438 MHz:

Output RF power	1.07	Watts
DC Voltage	13.8	Volts
DC Current	1.40	A
RF PA Input Power	51.17	milliWatts

At maximum output power setting, Frequency 454 MHz:

Output RF power	28.0	Watts
DC Voltage	13.8	Volts
DC Current	5.76	A
RF PA Input Power	2.67	Watts

At minimum output power setting, Frequency 454 MHz:

Output RF power	1.07	Watts
DC Voltage	13.8	Volts
DC Current	1.30	A
RF PA Input Power	64.42	milliWatts

At maximum output power setting, Frequency 469 MHz:

Output RF power	28.0	Watts
DC Voltage	13.8	Volts
DC Current	5.90	A
RF PA Input Power	2.12	Watts

At minimum output power setting, Frequency 469 MHz:

Output RF power	1.05	Watts
DC Voltage	13.8	Volts
DC Current	1.30	A
RF PA Input Power	50.23	milliWatts

EXHIBIT 6B – Transmit Audio Response - Pursuant 47 CFR 2.1047 and 2.1033(c)(13**)**

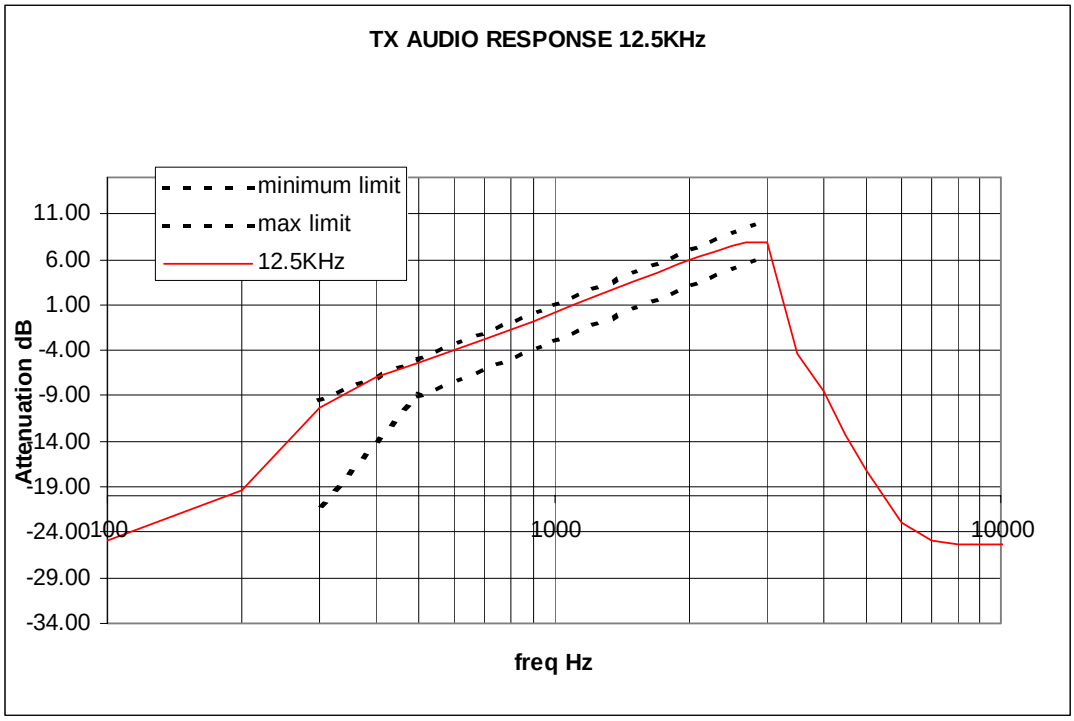

Figure 6B-1: 12.5 KHz Channel Spacing , Transmit Audio Response

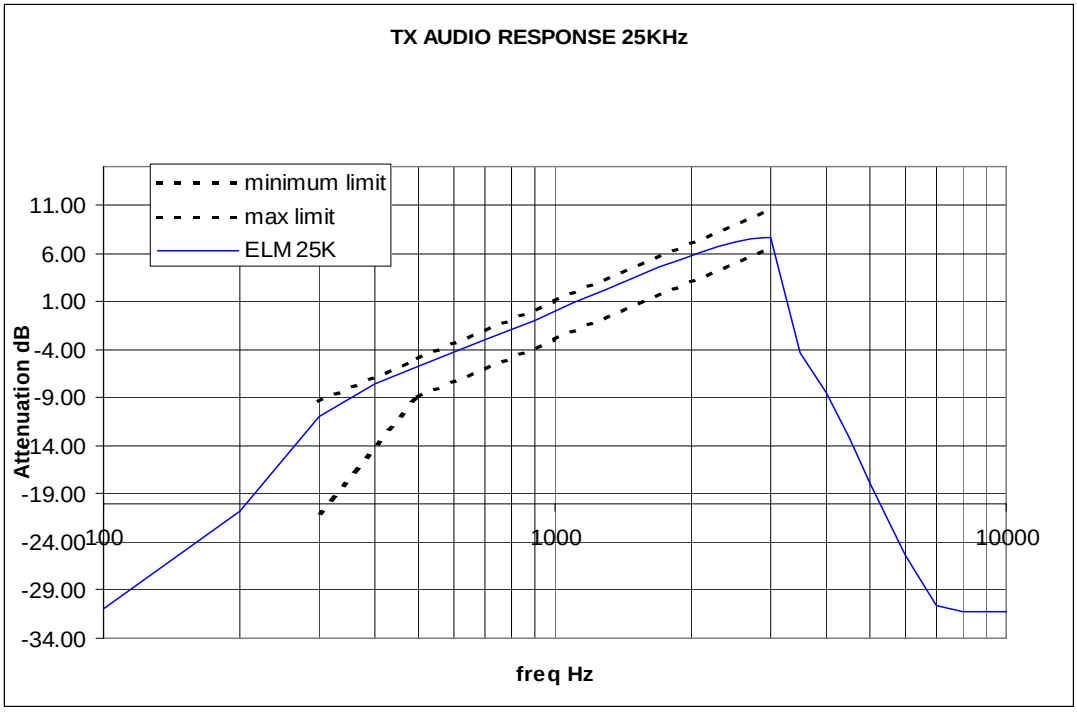

Figure 6B-2: 25 KHz Channel Spacing , Transmit Audio Response

EXHIBIT 6C – Transmit Audio Post Limiter Lowpass Filter Response - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

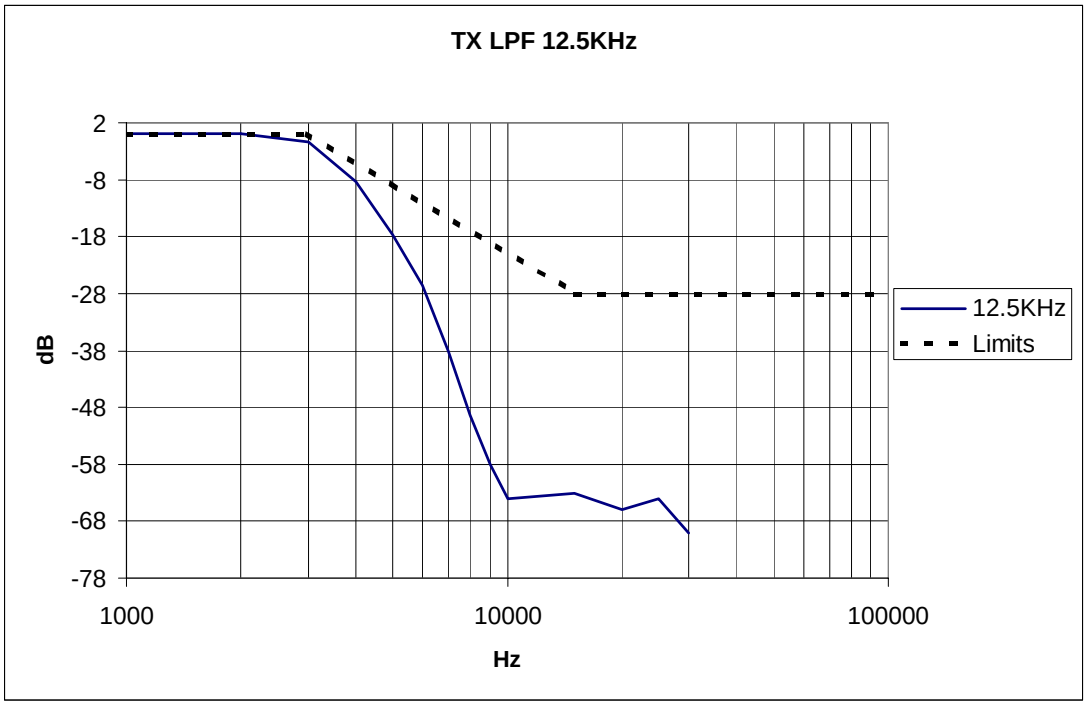

Figure 6C-1: 12.5 KHz Channel Spacing, Transmit Audio Post Limiter Lowpass Filter Response

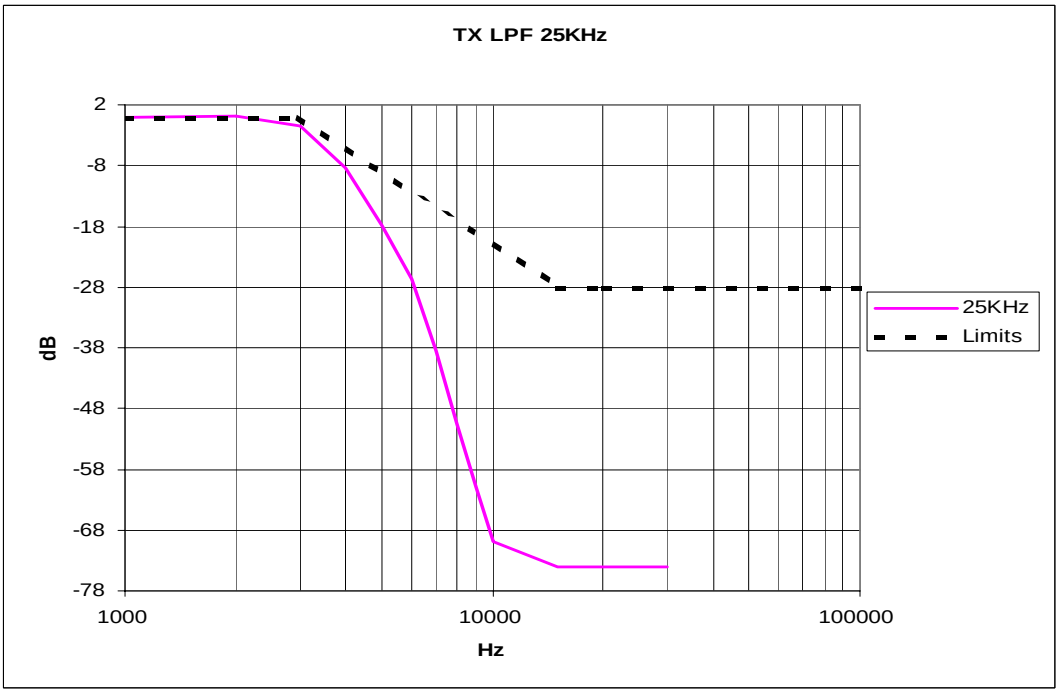

Figure 6C-2: 25 KHz Channel Spacing, Transmit Audio Post Limiter Lowpass Filter Response

EXHIBIT 6D – Modulation Limiting Characteristics - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

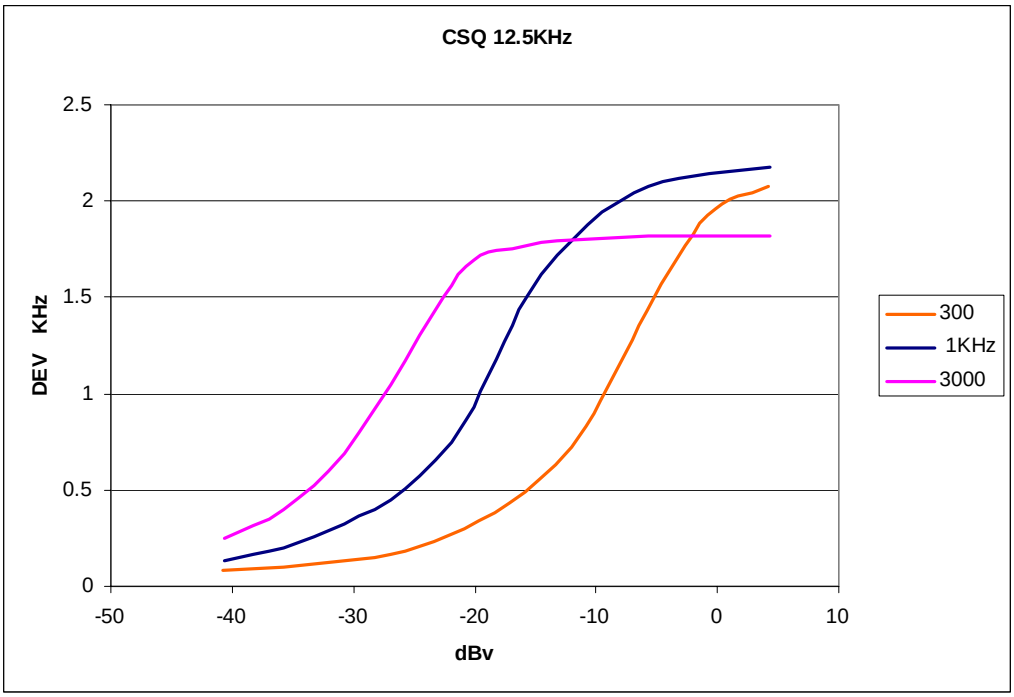

Figure 6D-1: 12.5 KHz Channel Spacing, Carrier Squelch Mode

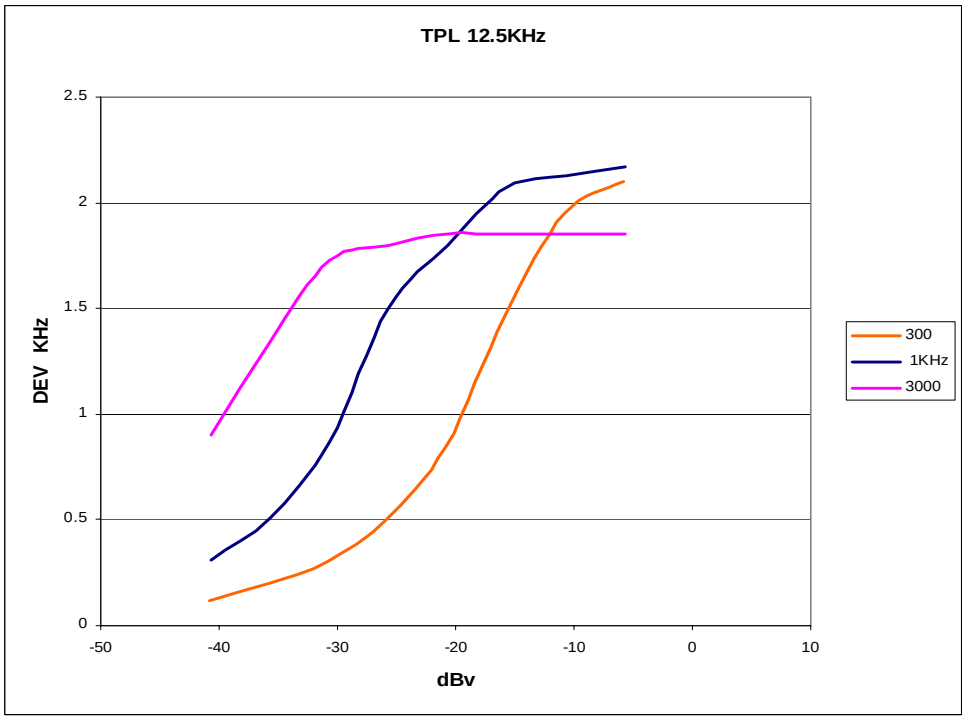

Figure 6D-2: 12.5 KHz Channel Spacing, Tone Private Line (TPL) Mode

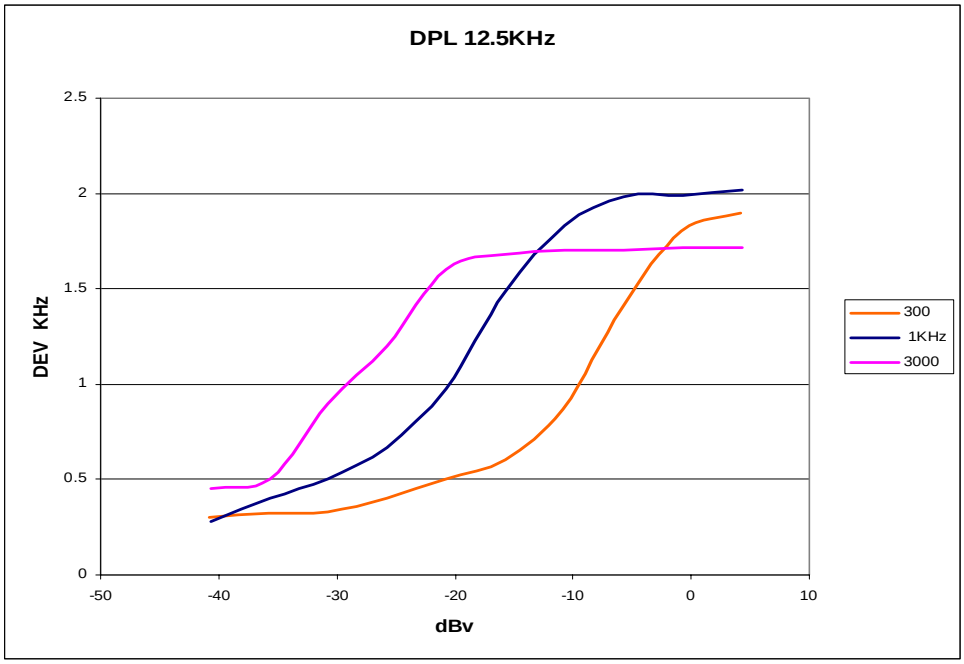

Figure 6D-3: 12.5 KHz Channel Spacing, Digital Private Line (DPL) Mode

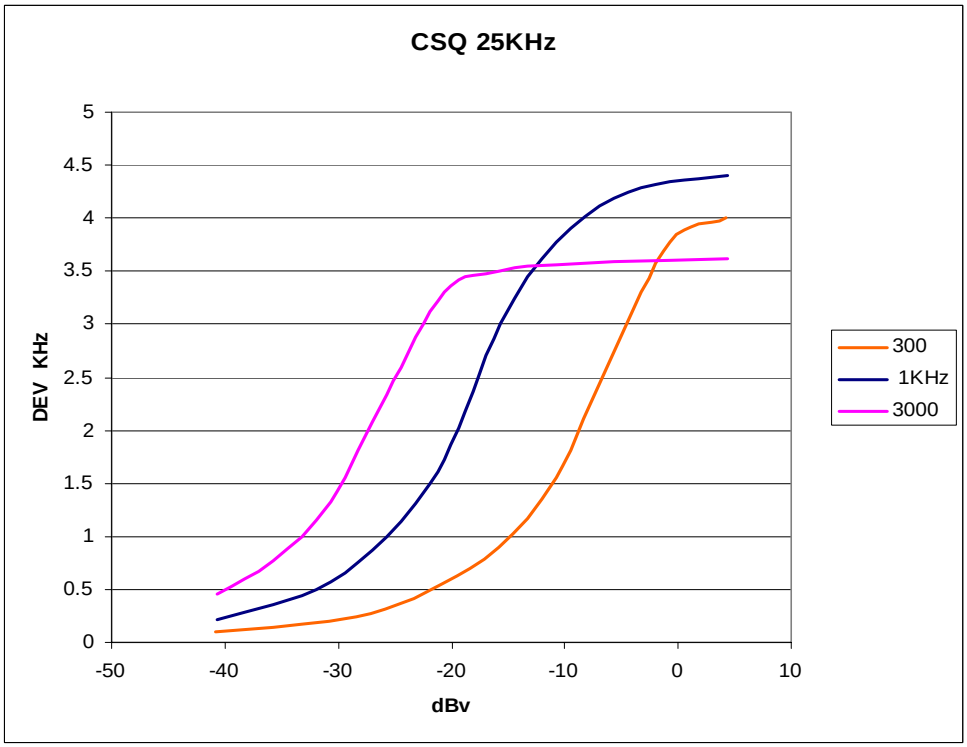

Figure 6D-4: 25 KHz Channel Spacing, Carrier Squelch Mode

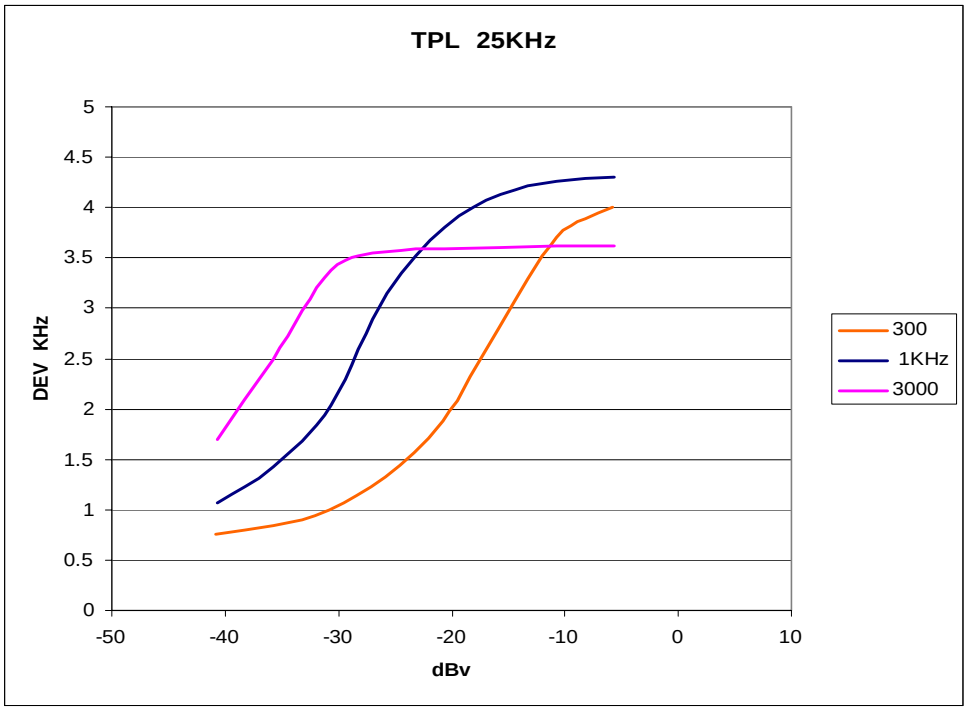

Figure 6D-5: 25 KHz Channel Spacing, Tone Private Line (TPL) Mode

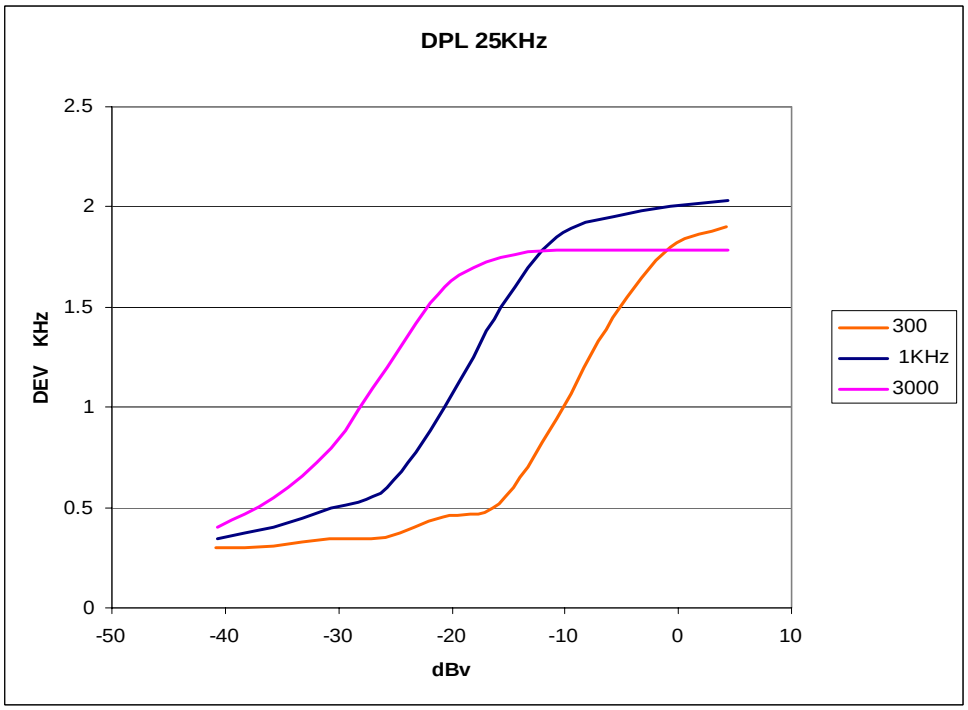

Figure 6D-6: 25 KHz Channel Spacing, Digital Private Line (DPL) Mode

EXHIBIT 6E- Occupied Bandwidth Data -- Pursuant 47 CFR 2.1049, 90.210(g) and 90.691

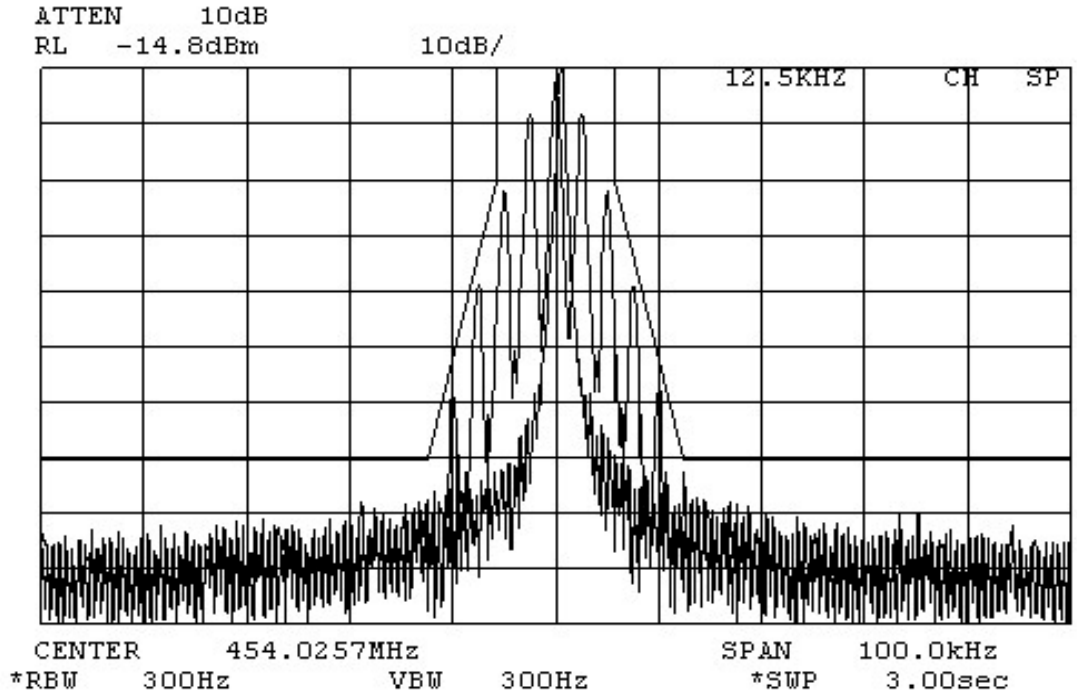

Figure 6E-1: 12.5 KHz Channel Spacing, 2500 Hz Audio Modulation Only, Mask D

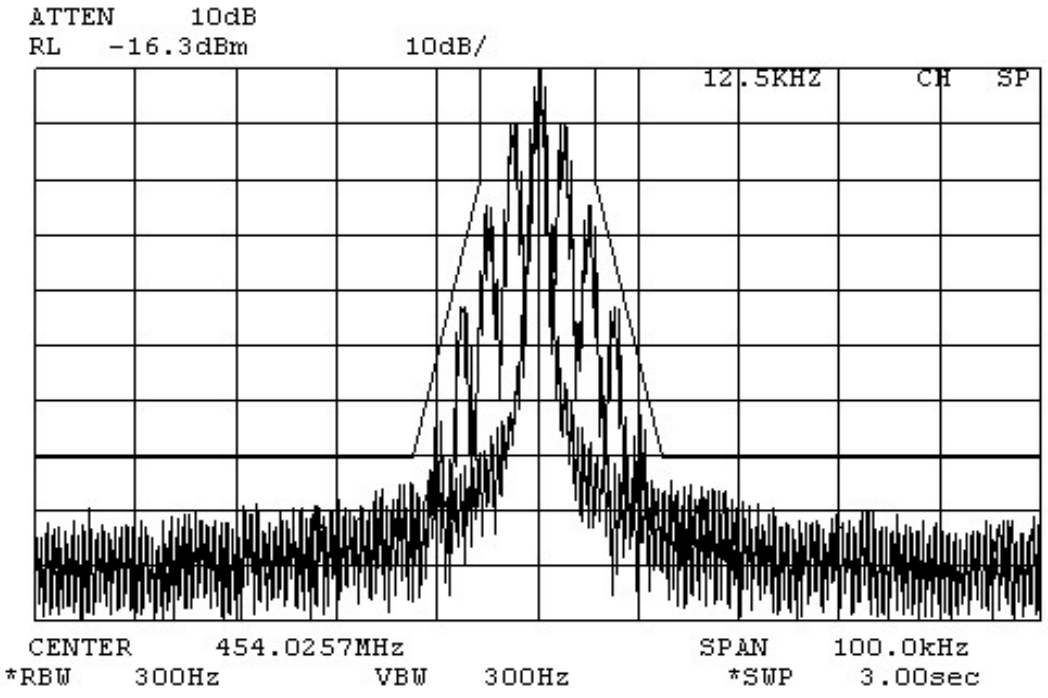

Figure 6E-2: 12.5 KHz Channel Spacing, 2500 Hz Audio and PL Tone Modulation , Mask D

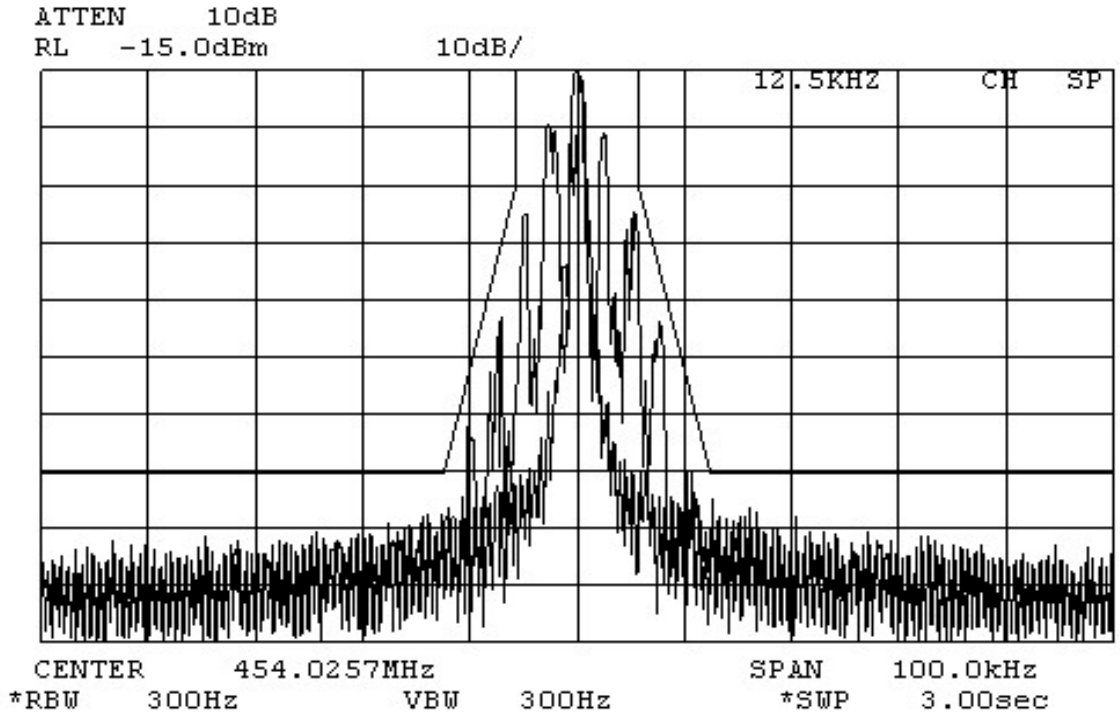

Figure 6E-3: 12.5 KHz Channel Spacing, 2500 Hz Audio and DPL Tone Modulation, Mask D

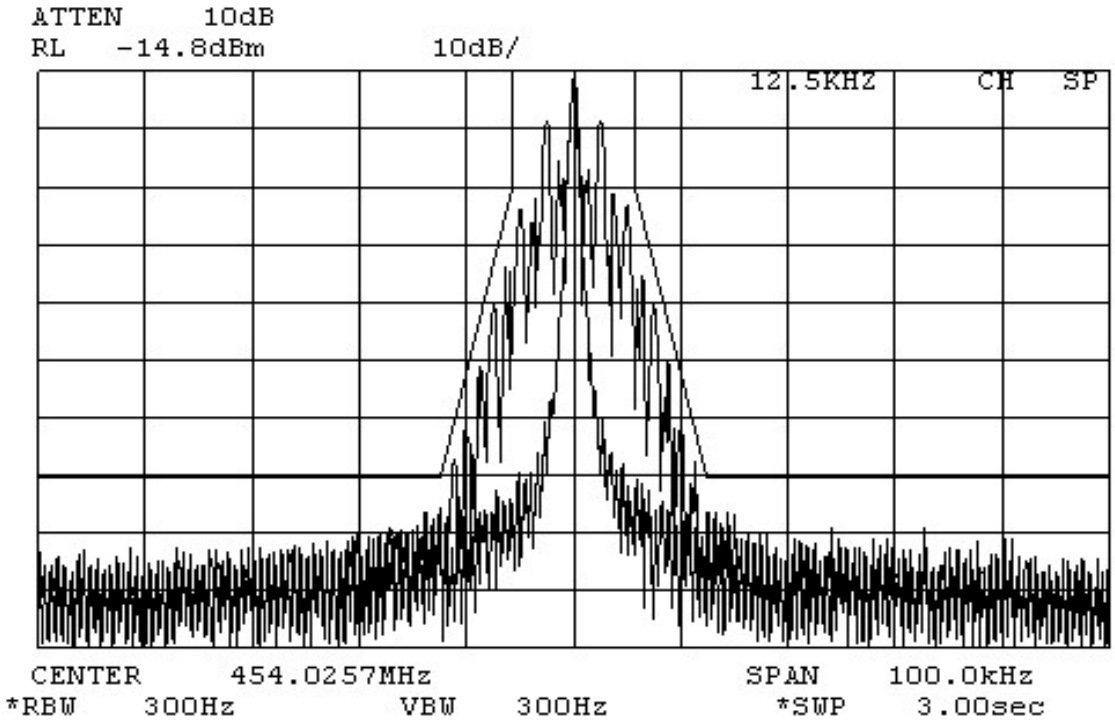

Figure 6E-4: 12.5 KHz Channel Spacing, 2000/3000 Hz FSK Data Modulation Only, Mask D

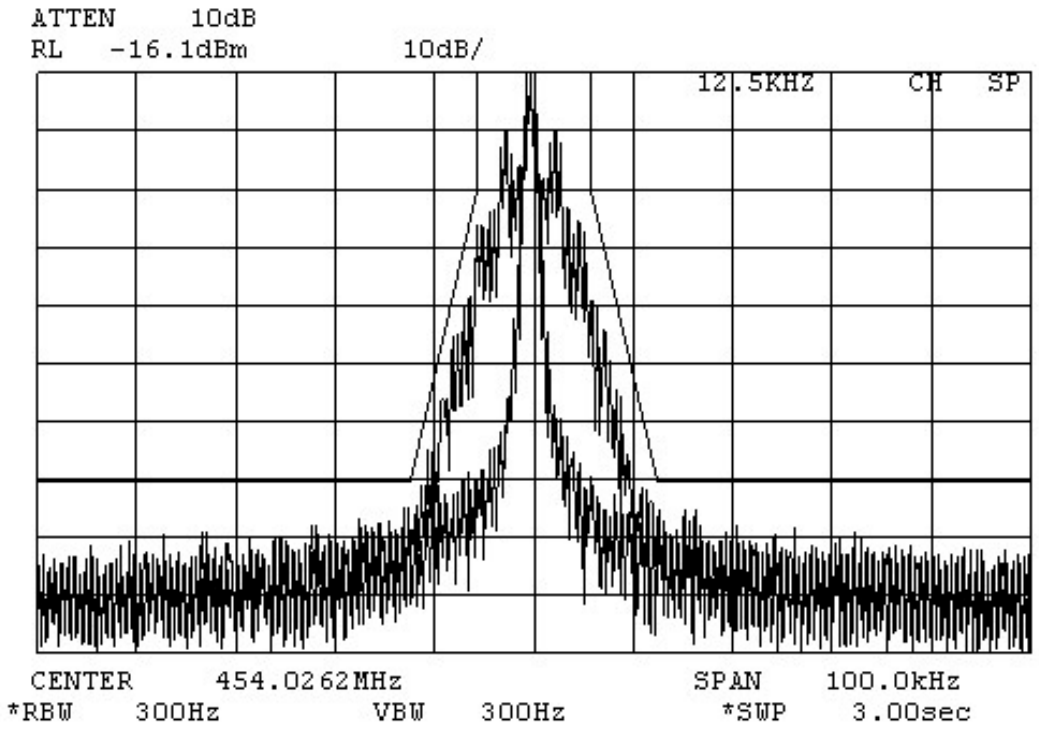

Figure 6E-5: 12.5 KHz Channel Spacing, 2000/3000 Hz FSK Data and PL Tone Modulation, Mask D

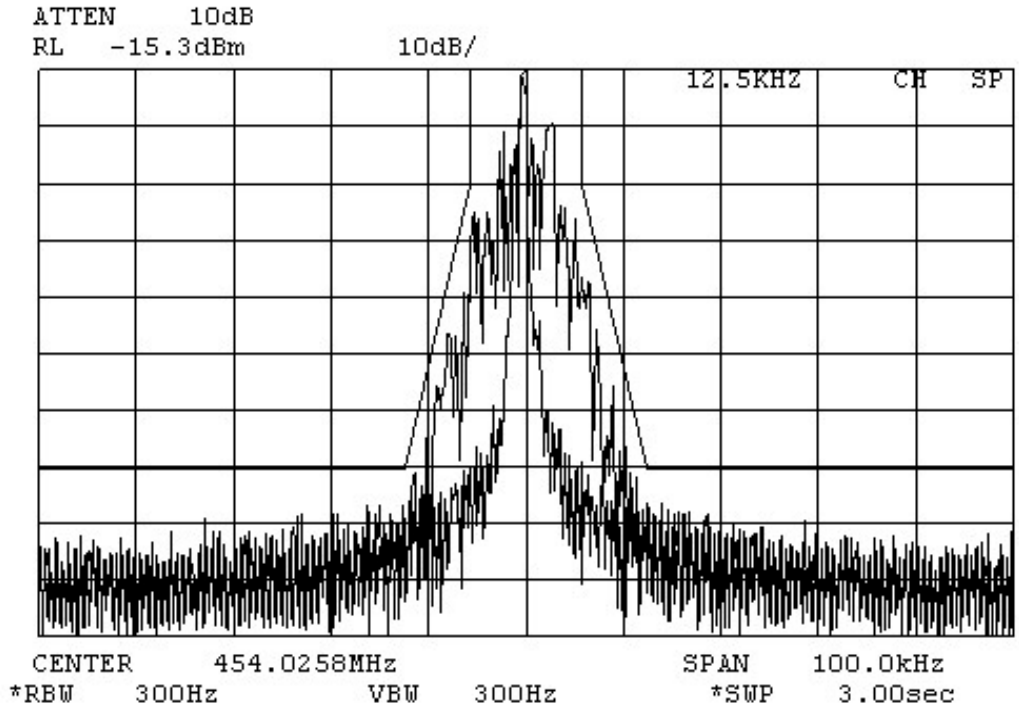

Figure 6E-6: 12.5 KHz Channel Spacing, 2000/3000 Hz FSK Data and DPL Tone Modulation, Mask D

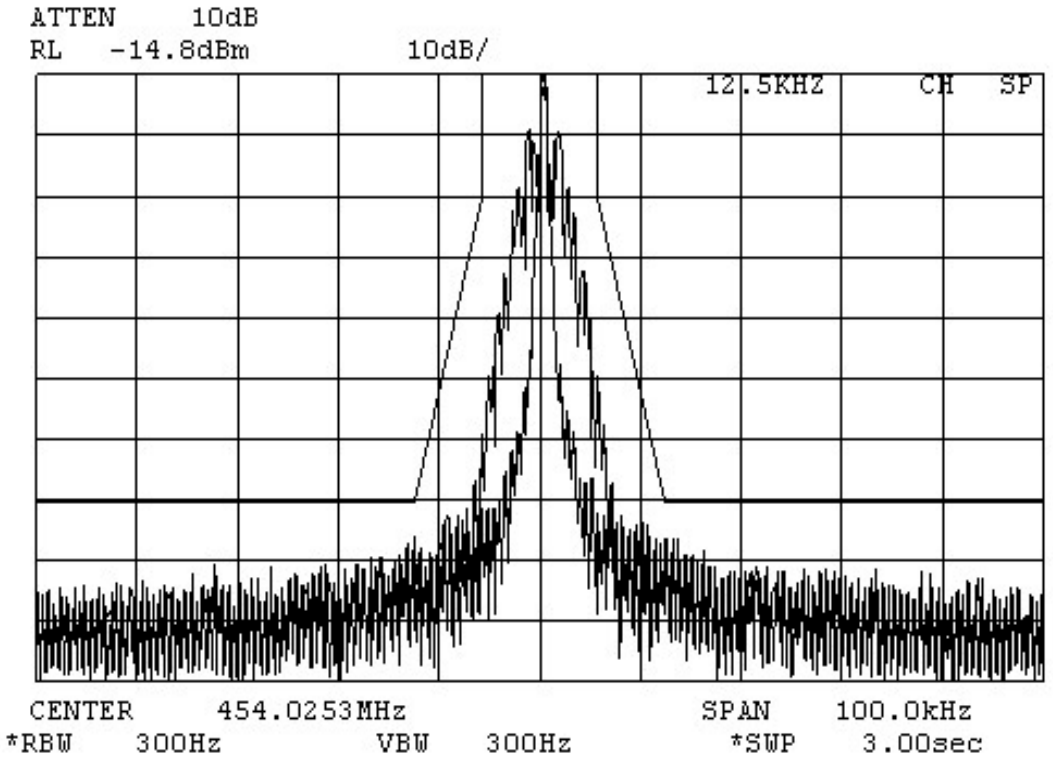

Figure 6E-7: 12.5 KHz Channel Spacing, DTMF Modulation Only , Mask D

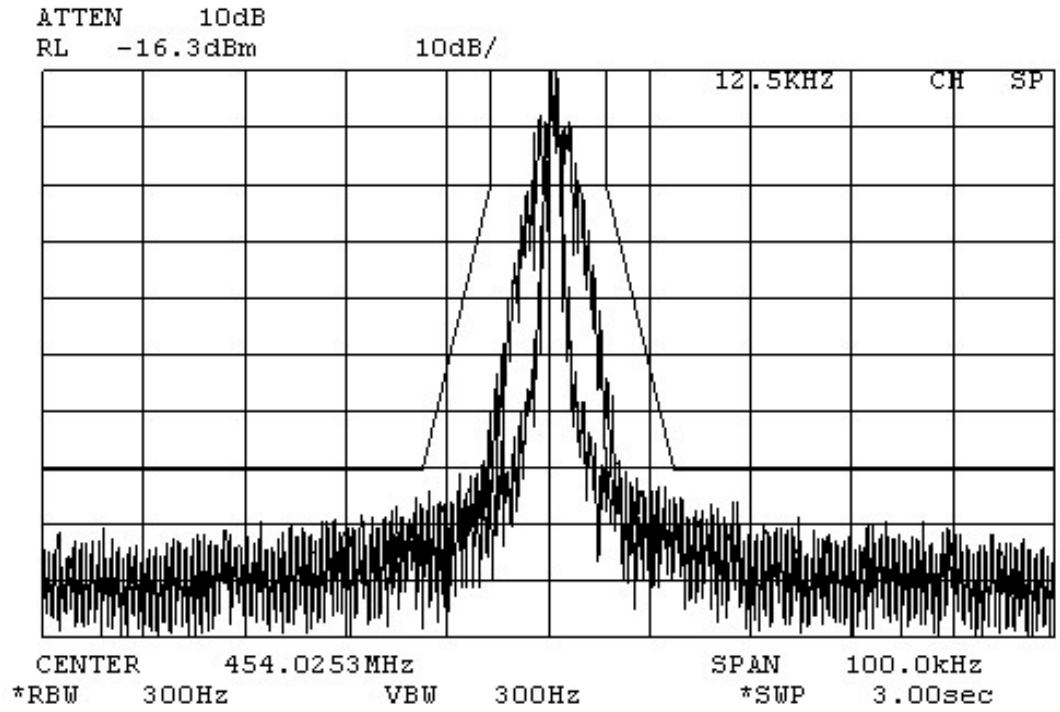

Figure 6E-8: 12.5 KHz Channel Spacing, DTMF Modulation and PL Tone Modulation, Mask D

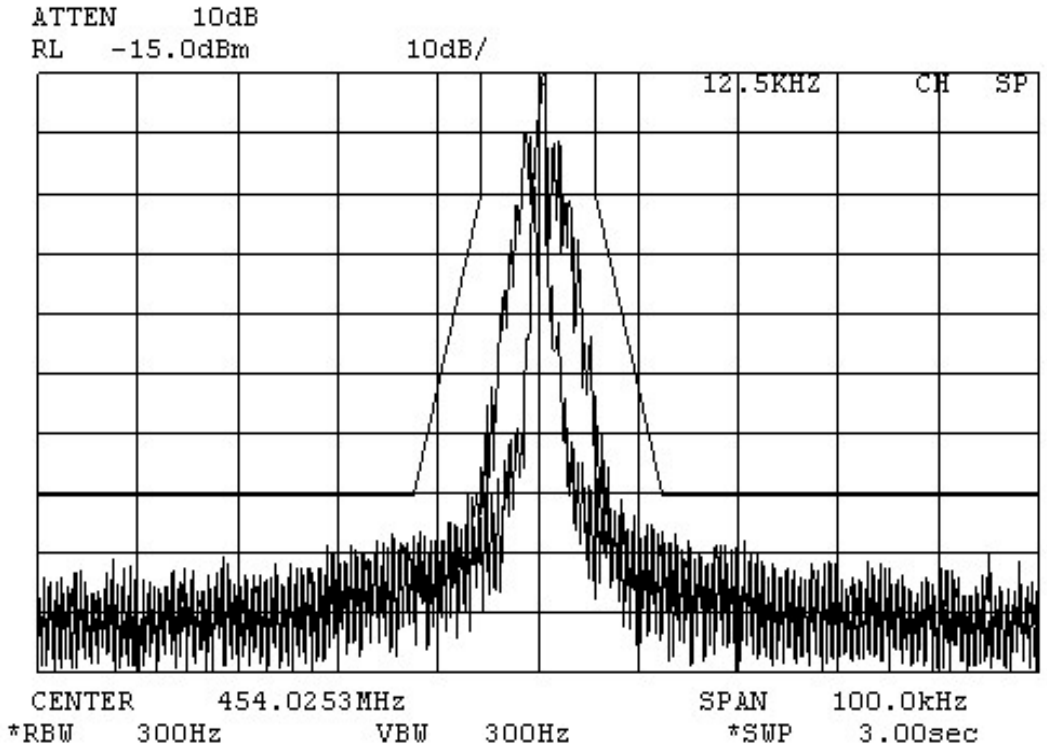

Figure 6E-9: 12.5 KHz Channel Spacing, DTMF Modulation and DPL Tone Modulation , Mask D

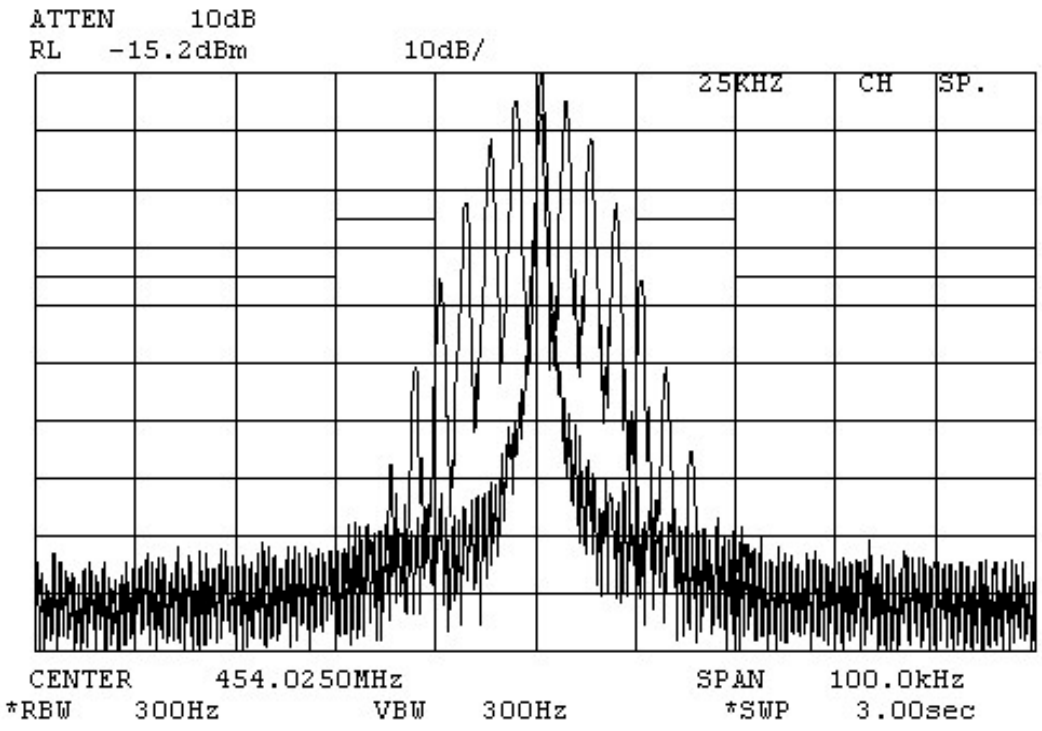

Figure 6E-10: 25 KHz Channel Spacing, 2500 Hz Audio Modulation Only, Mask B

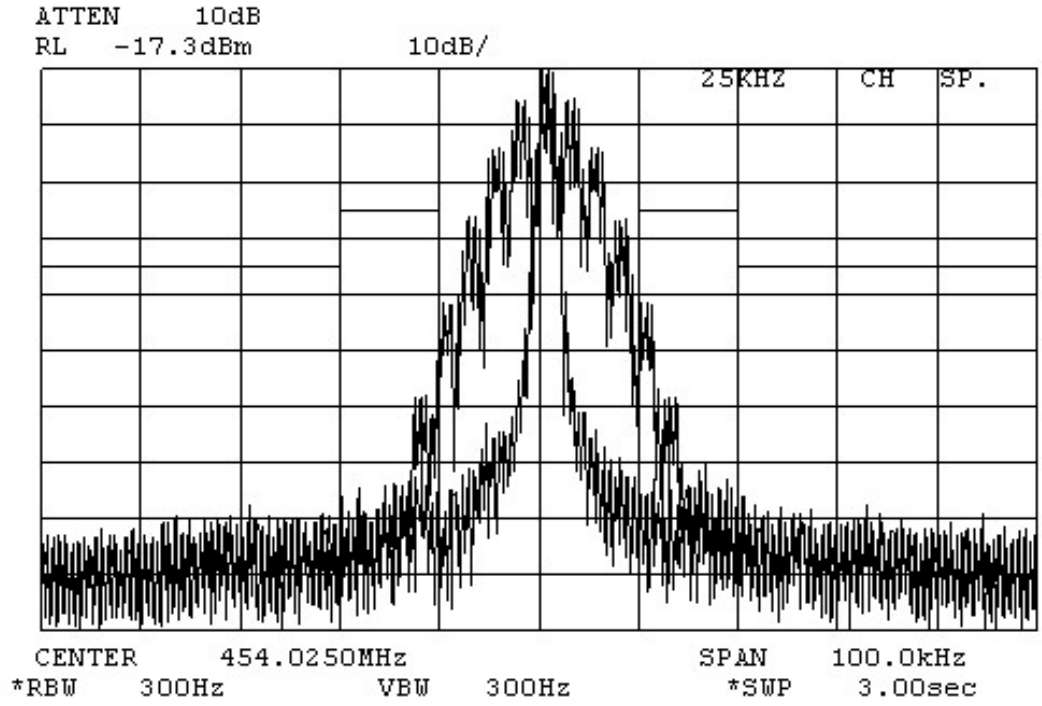

Figure 6E-11: 25 KHz Channel Spacing, 2500 Hz Audio and PL Tone Modulation, Mask B

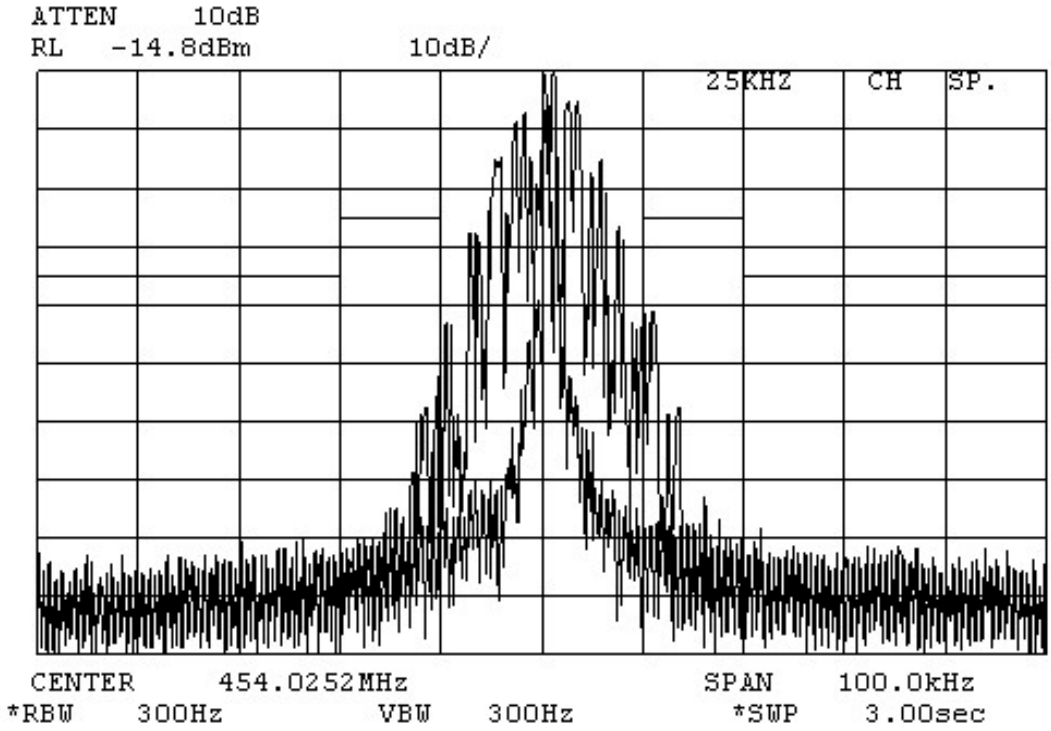

Figure 6E-12: 25 KHz Channel Spacing, 2500 Hz Audio and DPL Tone Modulation, Mask B

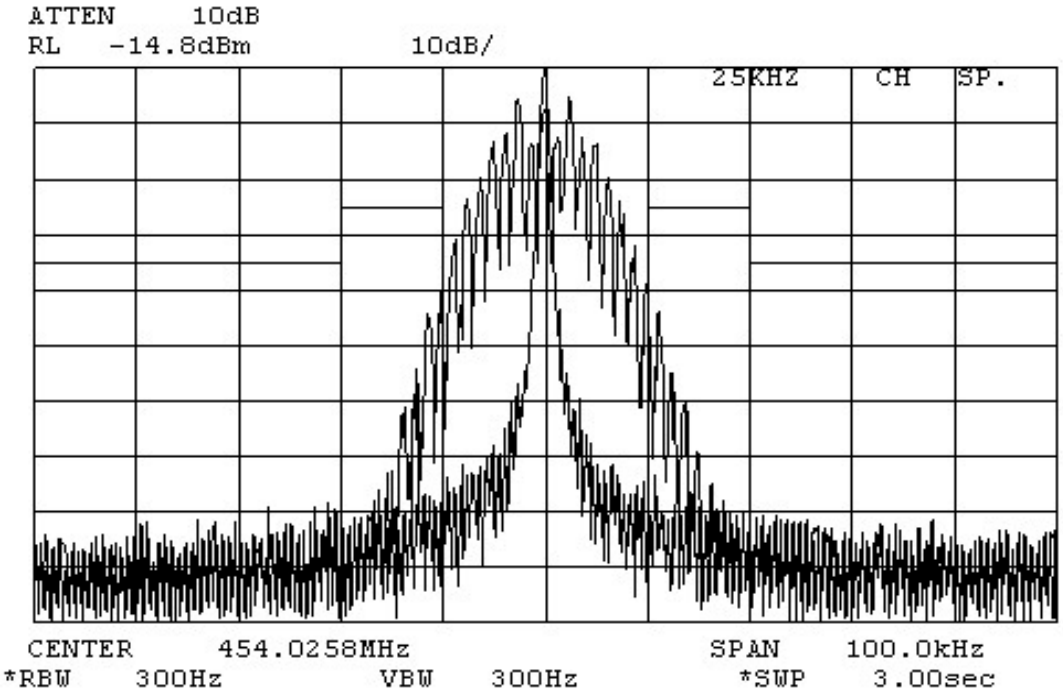

Figure 6E-13: 25 KHz Channel Spacing, 2000/3000 Hz FSK Data Modulation Only ,Mask B

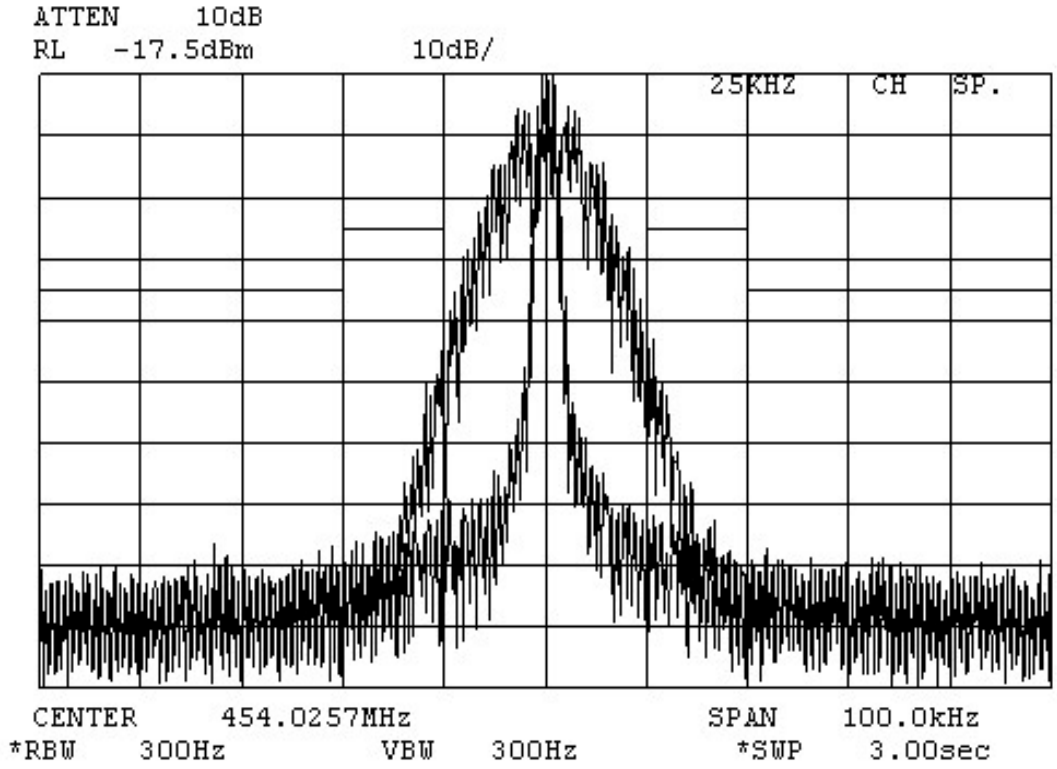

Figure 6E-14: 25 KHz Channel Spacing, 2000/3000 Hz FSK Data and PL Tone Modulation, Mask B

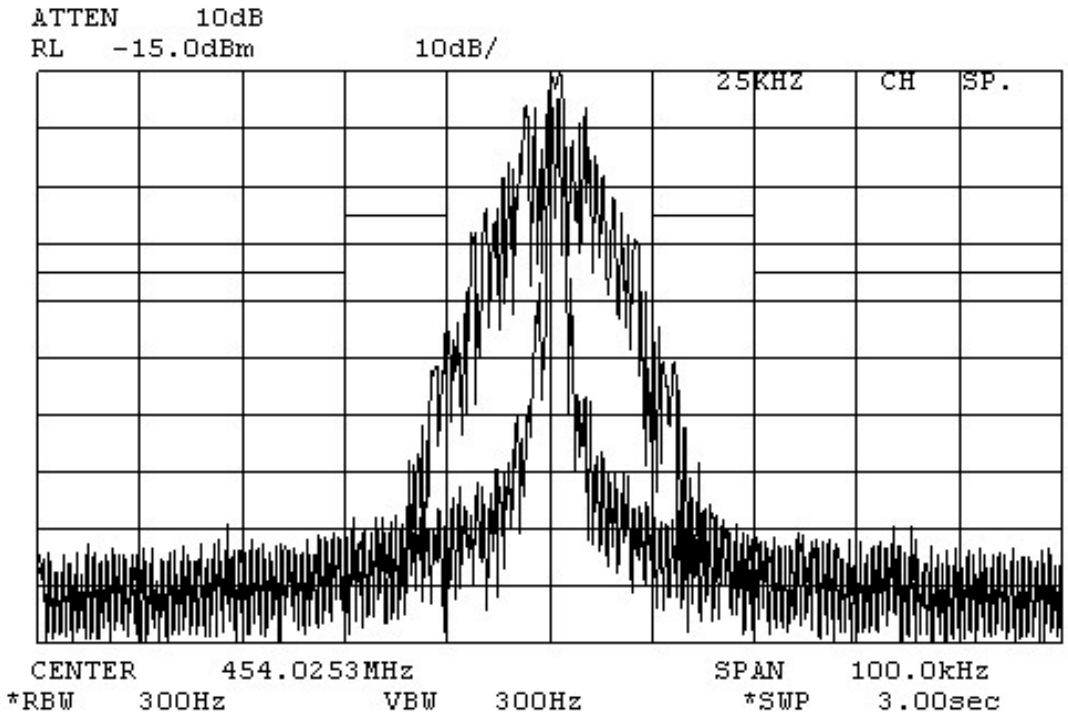

Figure 6E-15: 25 KHz Channel Spacing, 2000/3000 Hz FSK Data and DPL Tone Modulation, Mask B

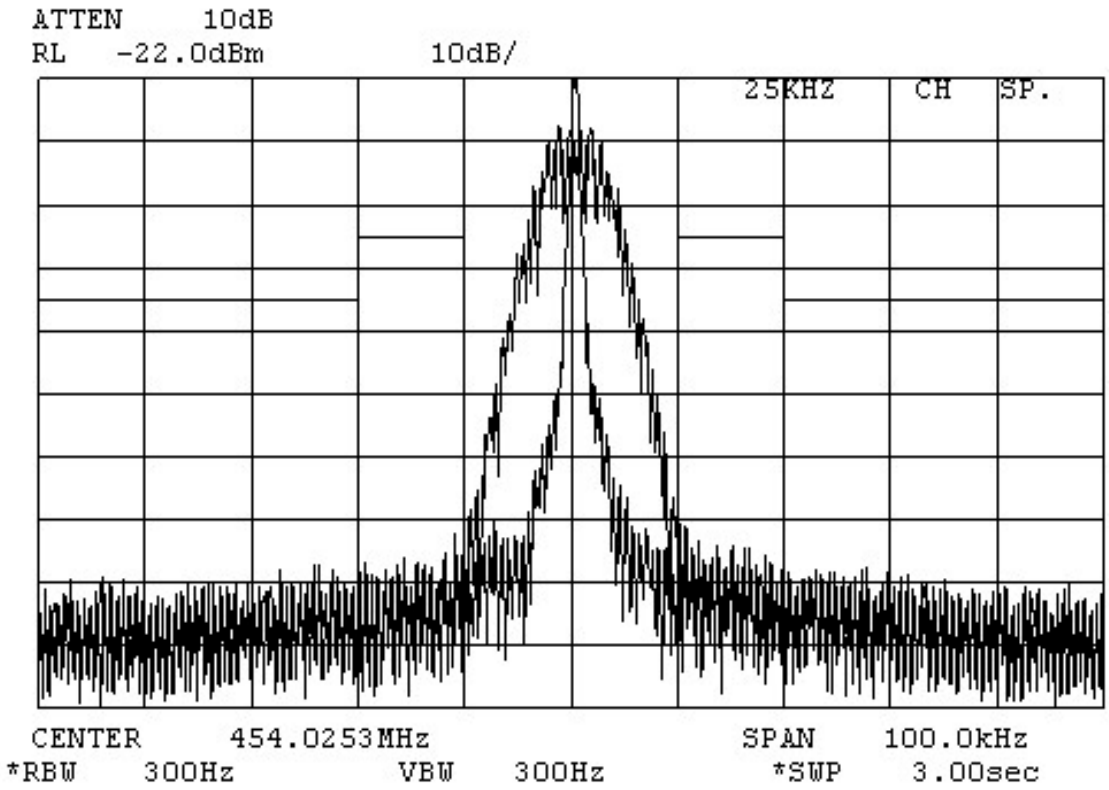

Figure 6E-16: 25 KHz Channel Spacing, DTMF Modulation Only , Mask B

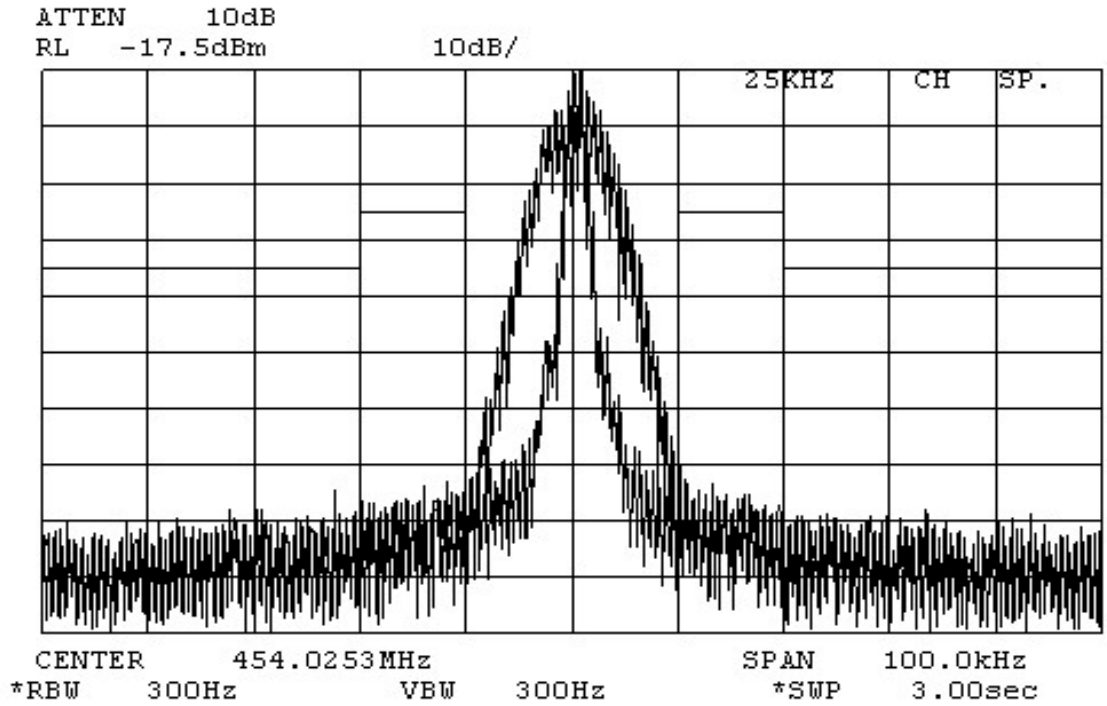

Figure 6E-17: 25 KHz Channel Spacing, DTMF Modulation and PL Tone Modulation, Mask B

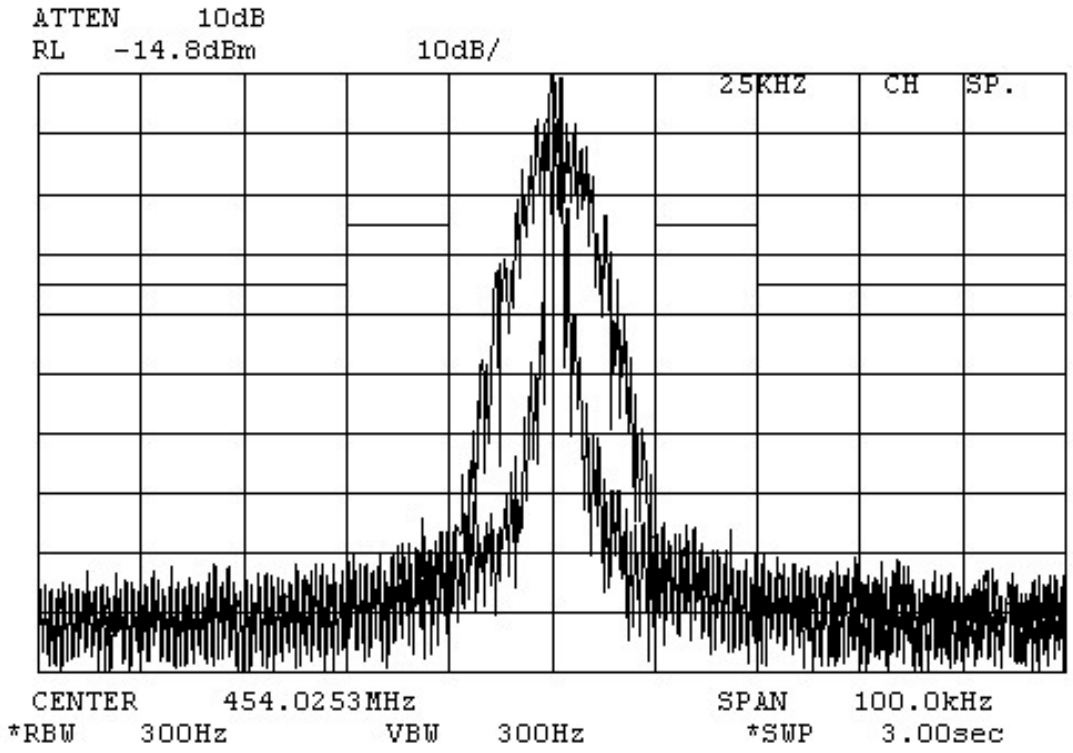

Figure 6E-18: 25 KHz Channel Spacing, DTMF Modulation and DPL Tone Modulation, Mask B

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

Note: Red line on graphs correspond to the FCC limit of –13dBm.

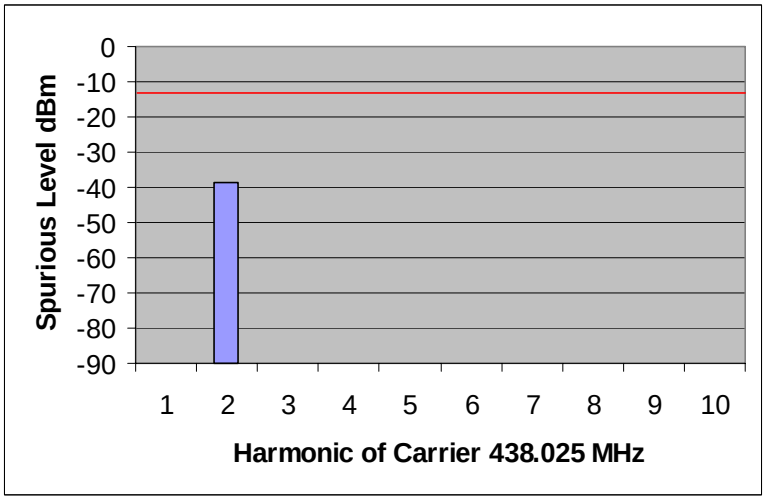

Figure 6F-1: 28 Watts, 438.025 MHz

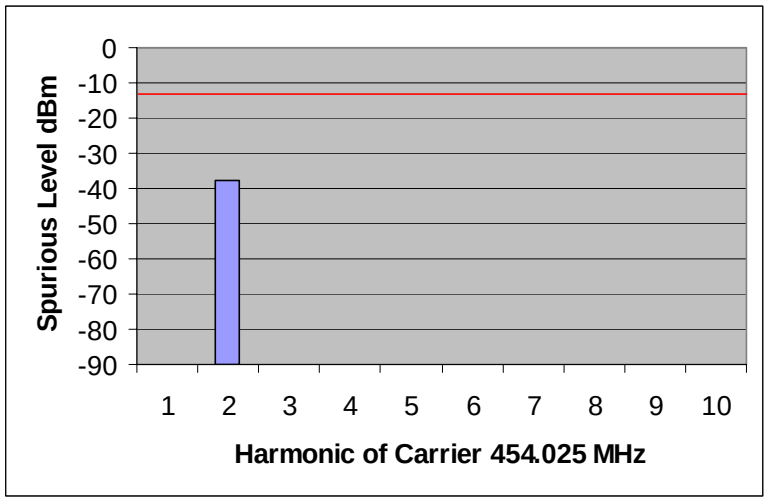

Figure 6F-2: 28 Watts, 454.025 MHz

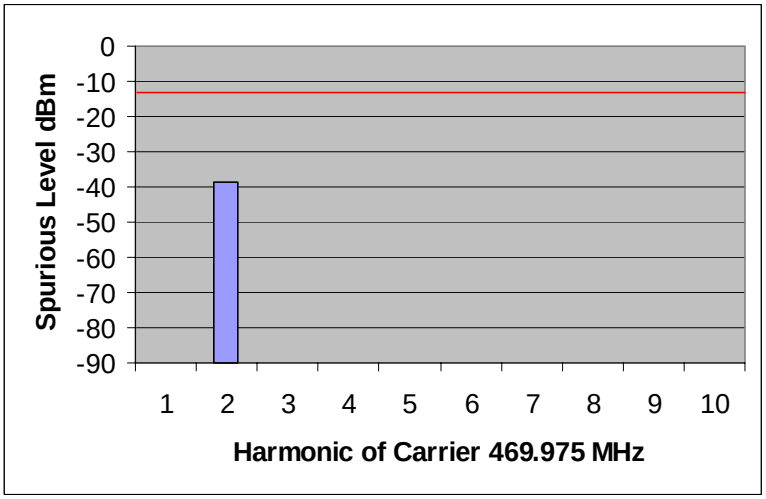

Figure 6F-3: 28 Watts, 469.975 MHz

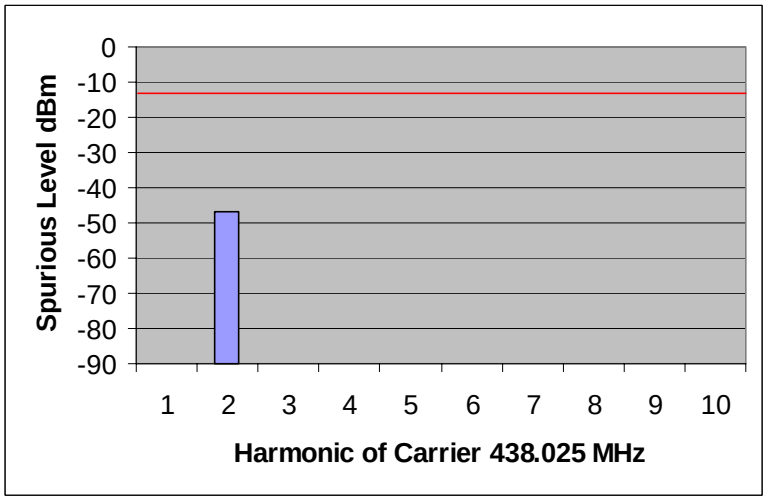

Figure 6F-4: 1 Watt, 438.025 MHz

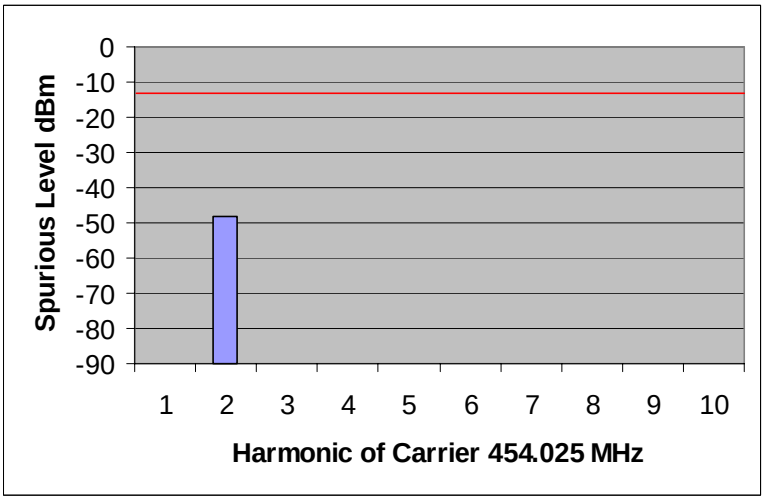

Figure 6F-5: 1 Watt, 454.025 MHz

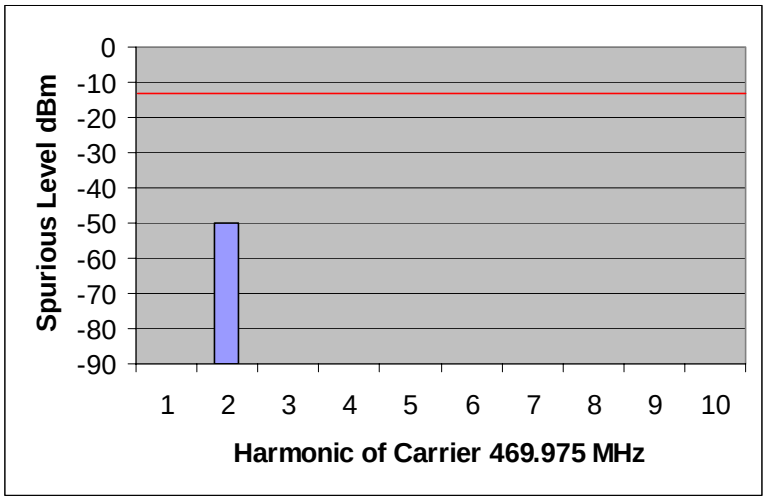

Figure 6F-6: 1 Watt, 469.975 MHz

EXHIBIT 6G – Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

Notes: 1) The shown results are the worst case results for the given frequency. Measurements were made to the 10th harmonic, antenna polarization horizontal and vertical.

2) The margin [dB] is the amount in dB below the FCC specification limit of –13dBm(red line on graphs)

Carrier Frequency 438.025 MHz , High Power (28 Watts)

Frequency [MHz]	Antenna Polarization	Radiated Emission [dB(uV/m)]	Limit [dB(uV/m)]	Margin [dB]
1314.075	Vertical	53.10	82.2	29.10
1752.100	Vertical	55.87	82.2	26.33
2190.125	Horizontal	57.27	82.2	24.93
2628.125	Horizontal	61.05	82.2	21.15
3066.142	Horizontal	45.66	82.2	36.54
3504.187	Horizontal	48.60	82.2	33.60

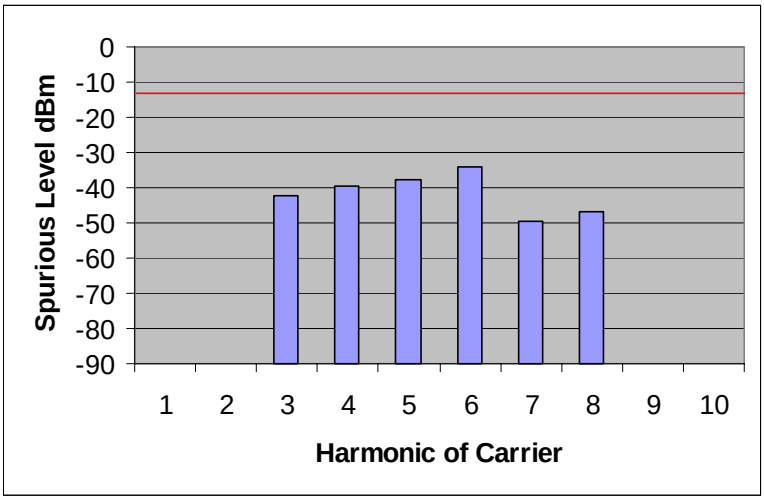

Figure 6G-1: 28 Watts, 438.025 MHz

Carrier Frequency 454.025 MHz, High Power (28 Watts)

Frequency [MHz]	Antenna Polarization	Radiated Emission [dB(uV/m)]	Limit [dB(uV/m)]	Margin [dB]
1362.0750	Horizontal	56.72	82.2	25.48
1816.1000	Vertical	57.03	82.2	25.17
2270.1250	Horizontal	57.56	82.2	24.64
2724.1625	Horizontal	47.62	82.2	34.58
3178.1750	Horizontal	47.37	82.2	34.83

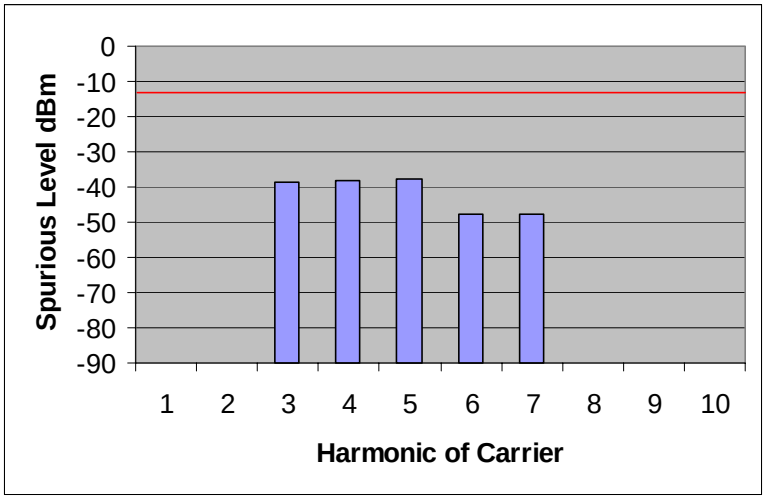

Figure 6G-2: 28 Watts, 454.025 MHz

Carrier Frequency 469.975 MHz, High Power (28 Watts)

Frequency [MHz]	Antenna Polarization	Radiated Emission [dB(uV/m)]	Limit [dB(uV/m)]	Margin [dB]
1409.920	Vertical	52.37	82.2	29.83
1879.920	Horizontal	44.35	82.2	37.85
2349.900	Horizontal	59.44	82.2	22.76
2819.880	Horizontal	45.63	82.2	35.57
3289.825	Horizontal	49.53	82.2	32.67
4229.775	Horizontal	45.55	82.2	36.65

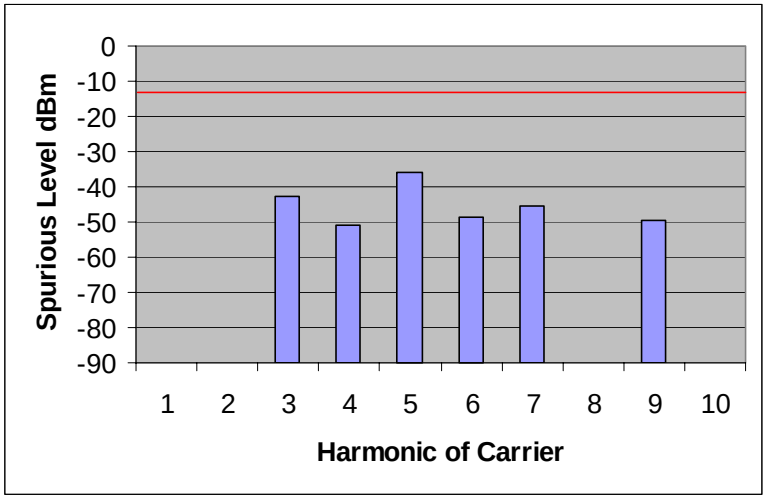

Figure 6G-3: 28 Watts, 469.975 MHz

Carrier Frequency 438.025 MHz , Low Power (1 Watt)

Frequency [MHz]	Antenna Polarization	Radiated Emission [dB(uV/m)]	Limit [dB(uV/m)]	Margin [dB]
		All<90dBm		

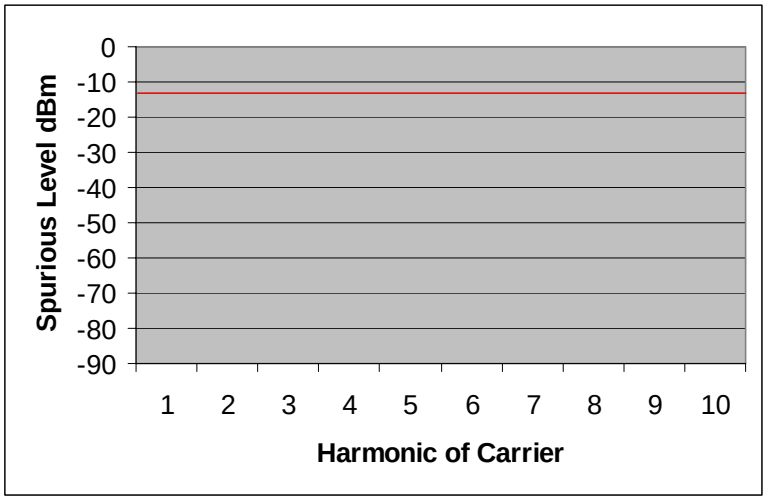

Figure 6G-4: 1 Watt, 438.025 MHz

Carrier Frequency 454.025 MHz, Low Power (1 Watt)

Frequency [MHz]	Antenna Polarization	Radiated Emission [dB(uV/m)]	Limit [dB(uV/m)]	Margin [dB]
		All<90dBm		

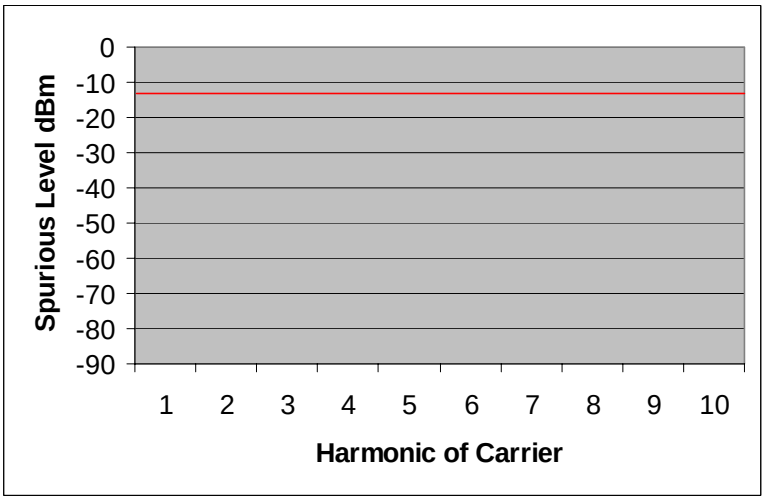

Figure 6G-5: 1 Watt, 454.025 MHz

Carrier Frequency 469.975 MHz, Low Power (1 Watt)

Frequency [MHz]	Antenna Polarization	Radiated Emission [dB(uV/m)]	Limit [dB(uV/m)]	Margin [dB]
		All<90dBm		

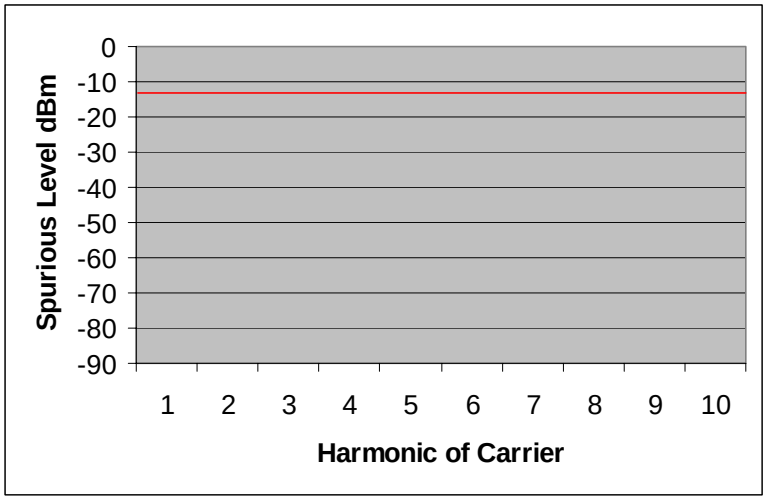

Figure 6G-6: 1 Watt, 469.975 MHz

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

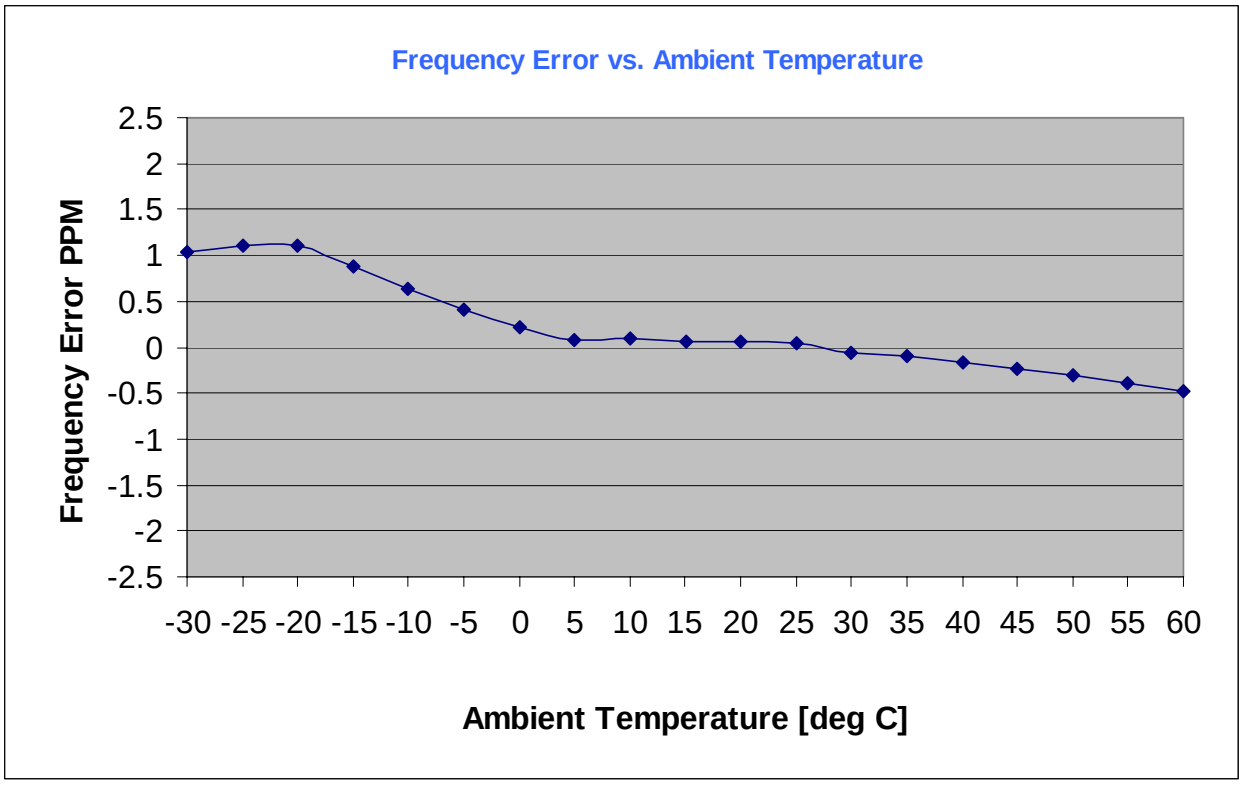

Figure 6H-1: Frequency Stability vs. Temperature

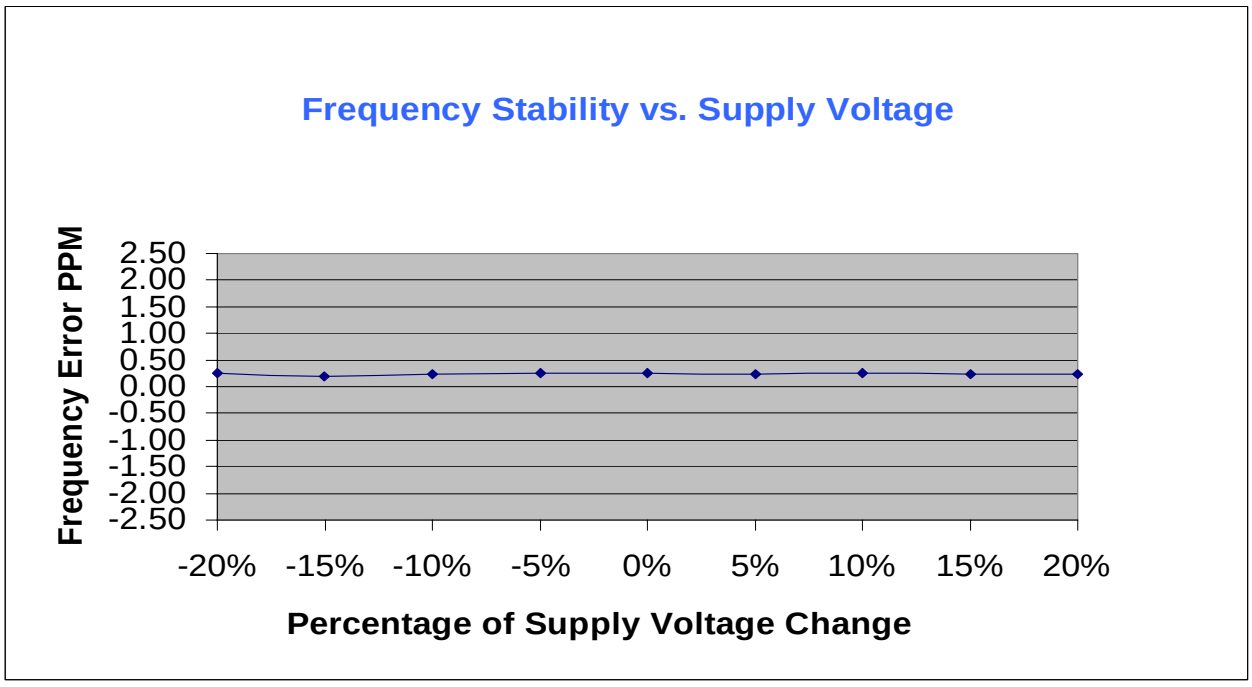

Figure 6H-2: Frequency Stability vs. Supply Voltage

EXHIBIT 6I – Transient Frequency Behavior
Note: Measurement made at 454.025 MHz

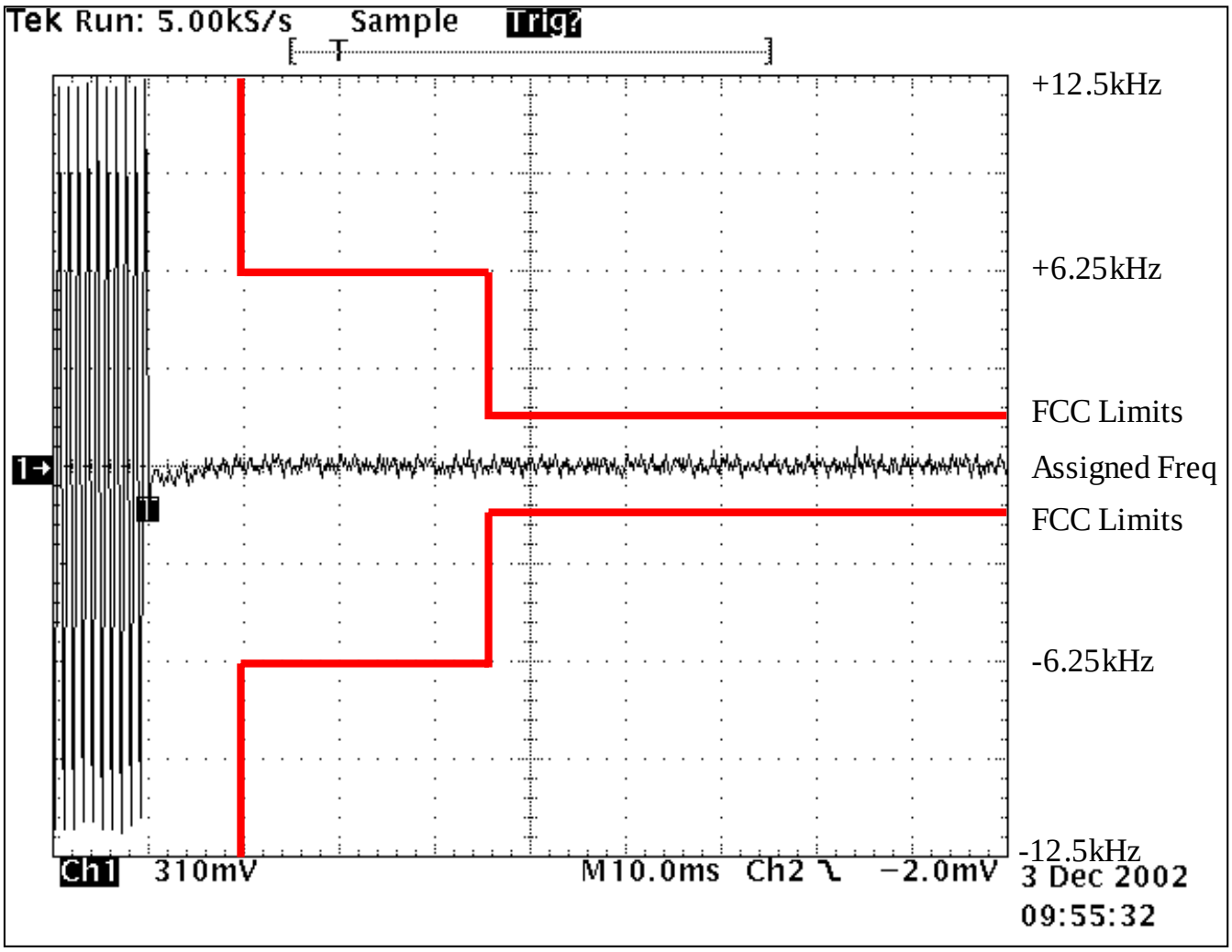

Figure 6I-1: 28 Watts, 12.5 KHz Key-Up Attack Time

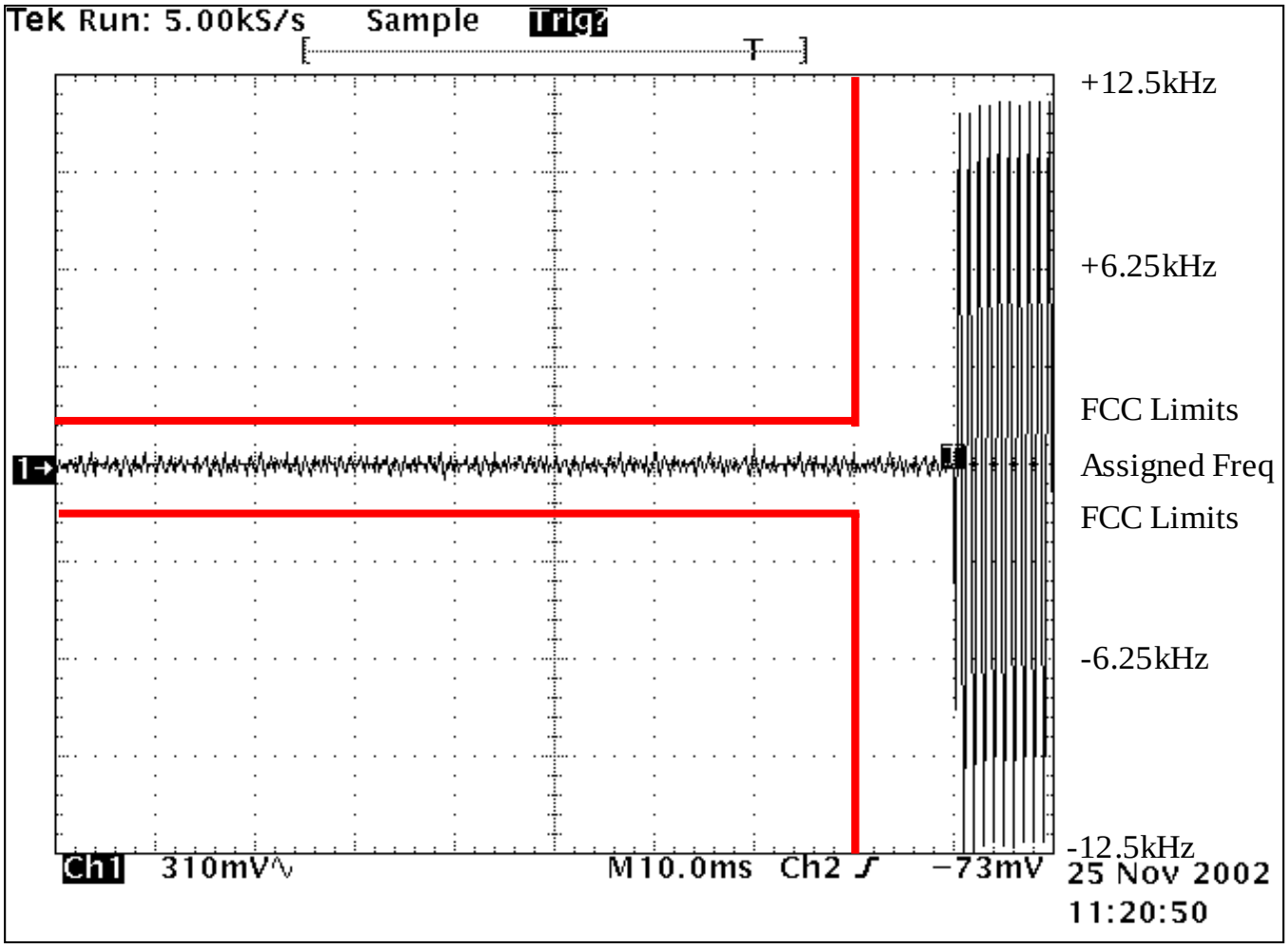

Figure 6I-2: 28 Watts, 12.5 KHz De-Key Decay Time

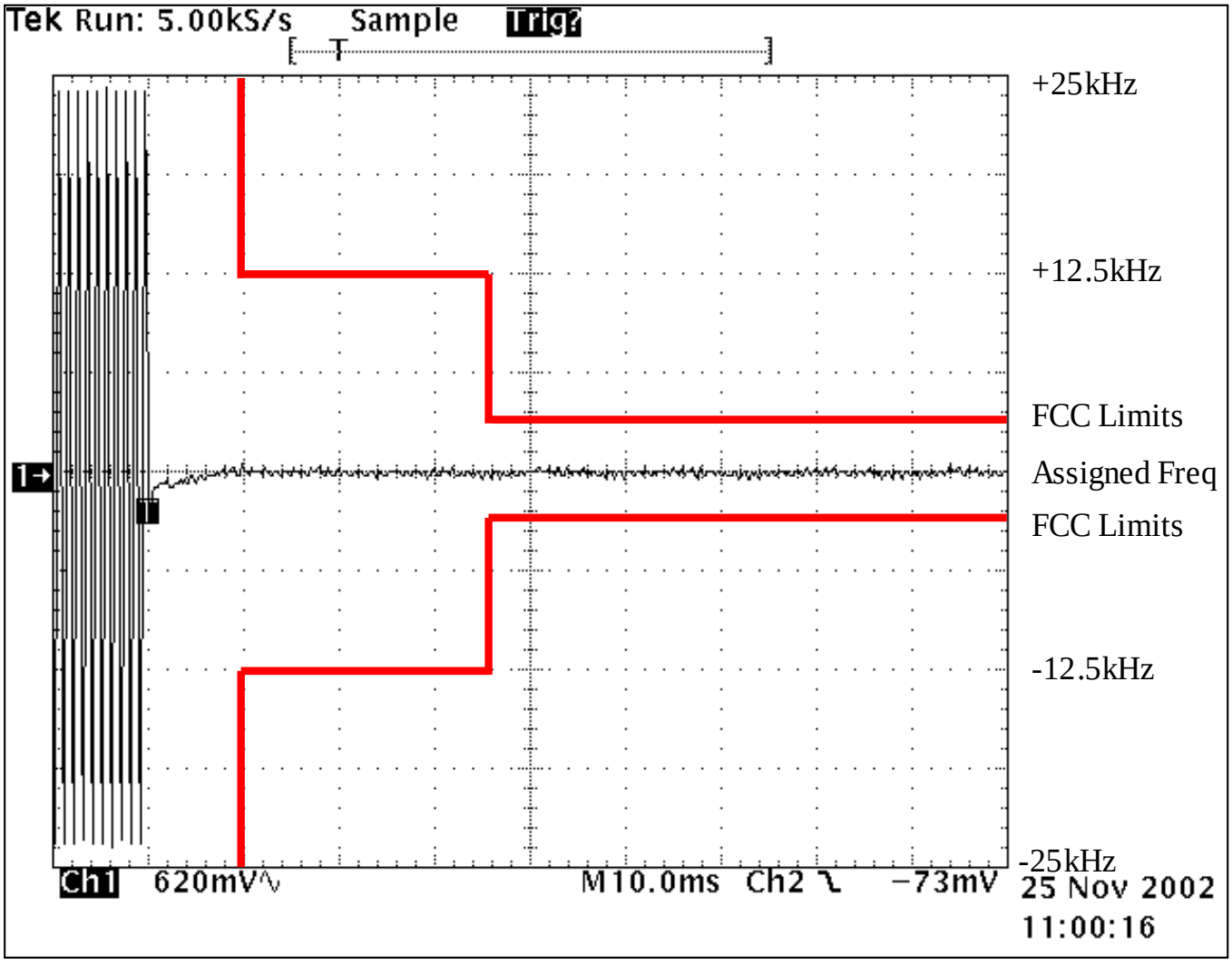

Figure 6I-3: 28 Watts, 25 KHz Key-Up Attack Time

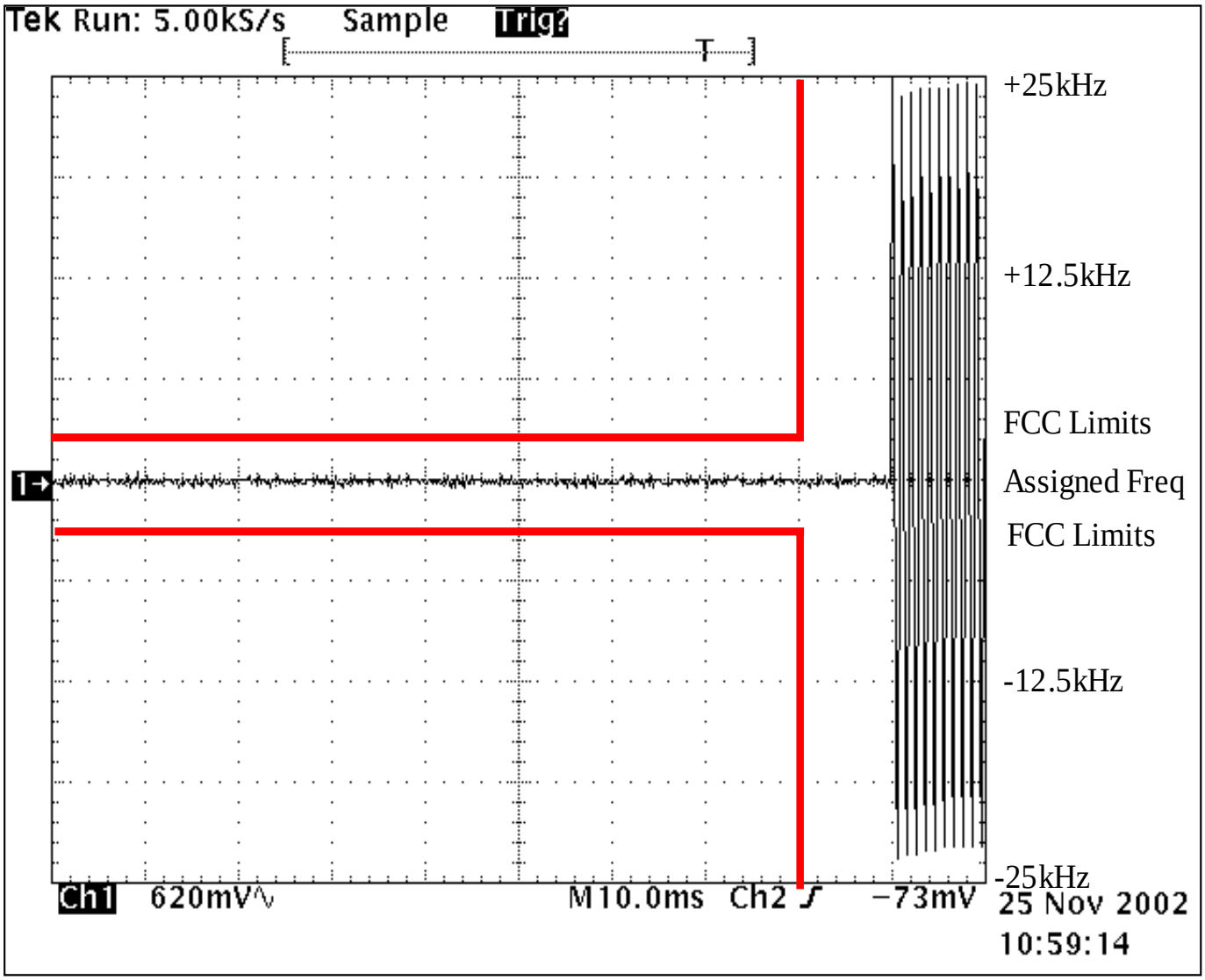

Figure 6I-4: 28 Watts, 25 KHz De-Key Decay Time

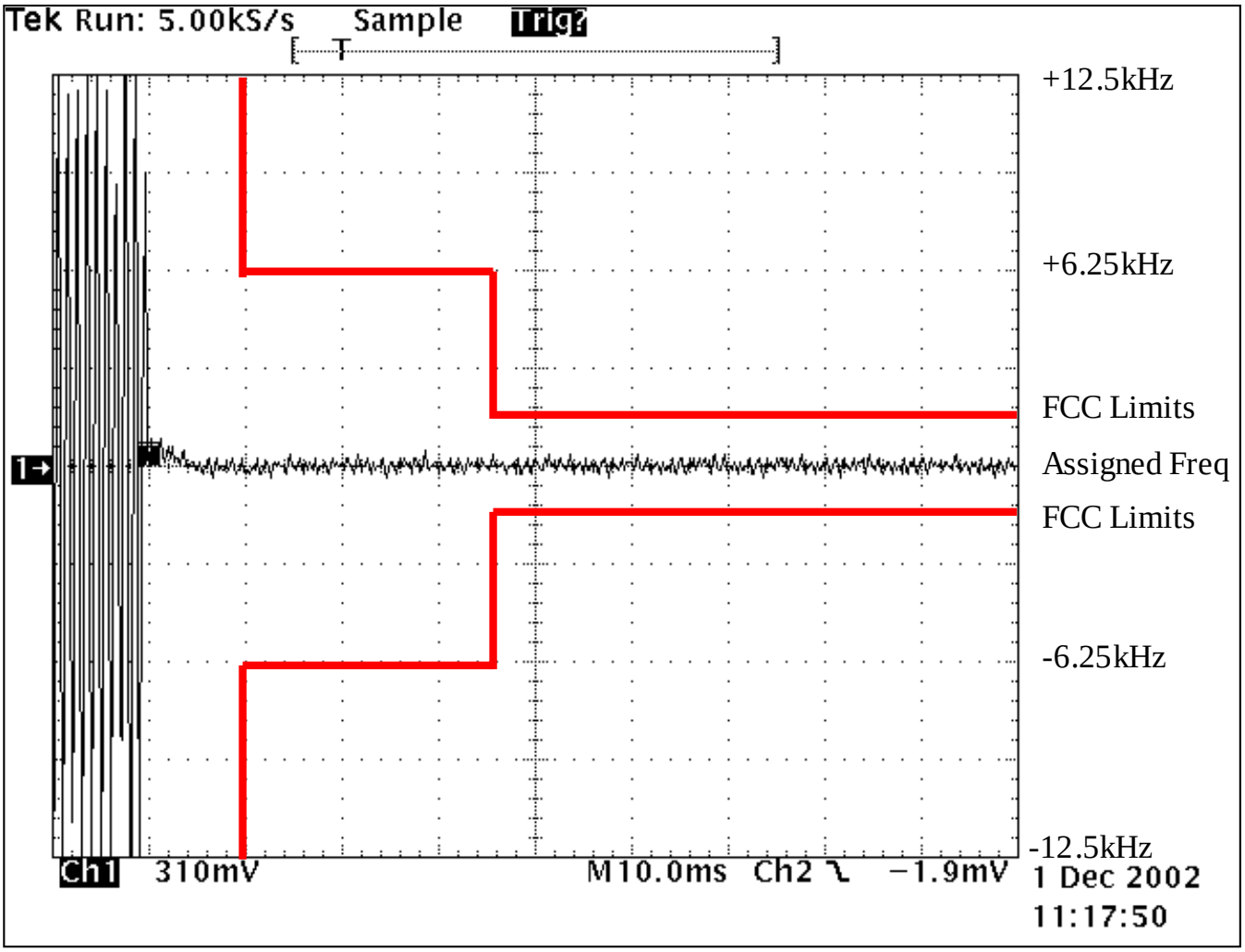

Figure 6I-5: 1 Watt, 12.5 KHz Key-Up Attack Time

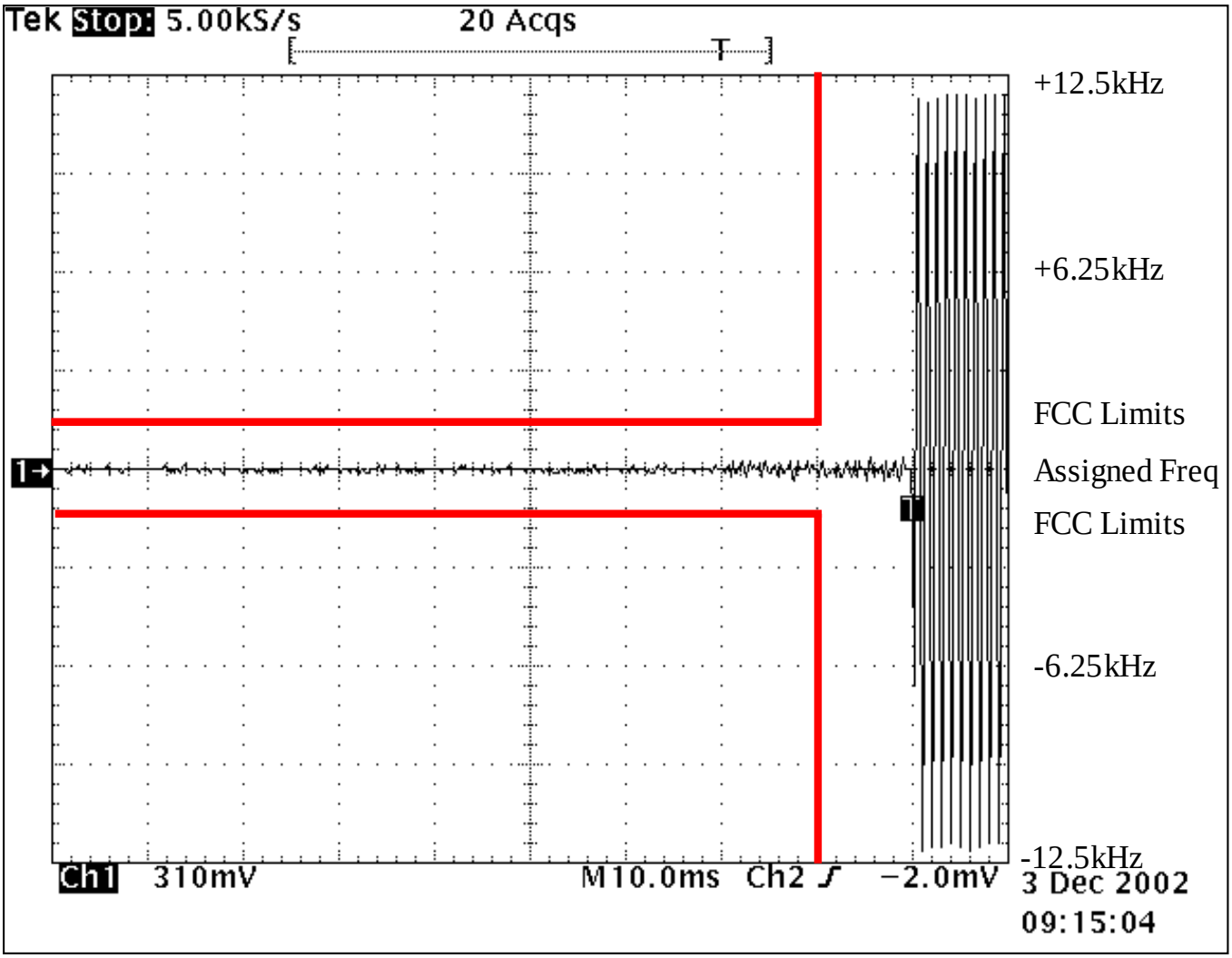

Figure 6I-6: 1 Watt, 12.5 KHz De-Key Decay Time

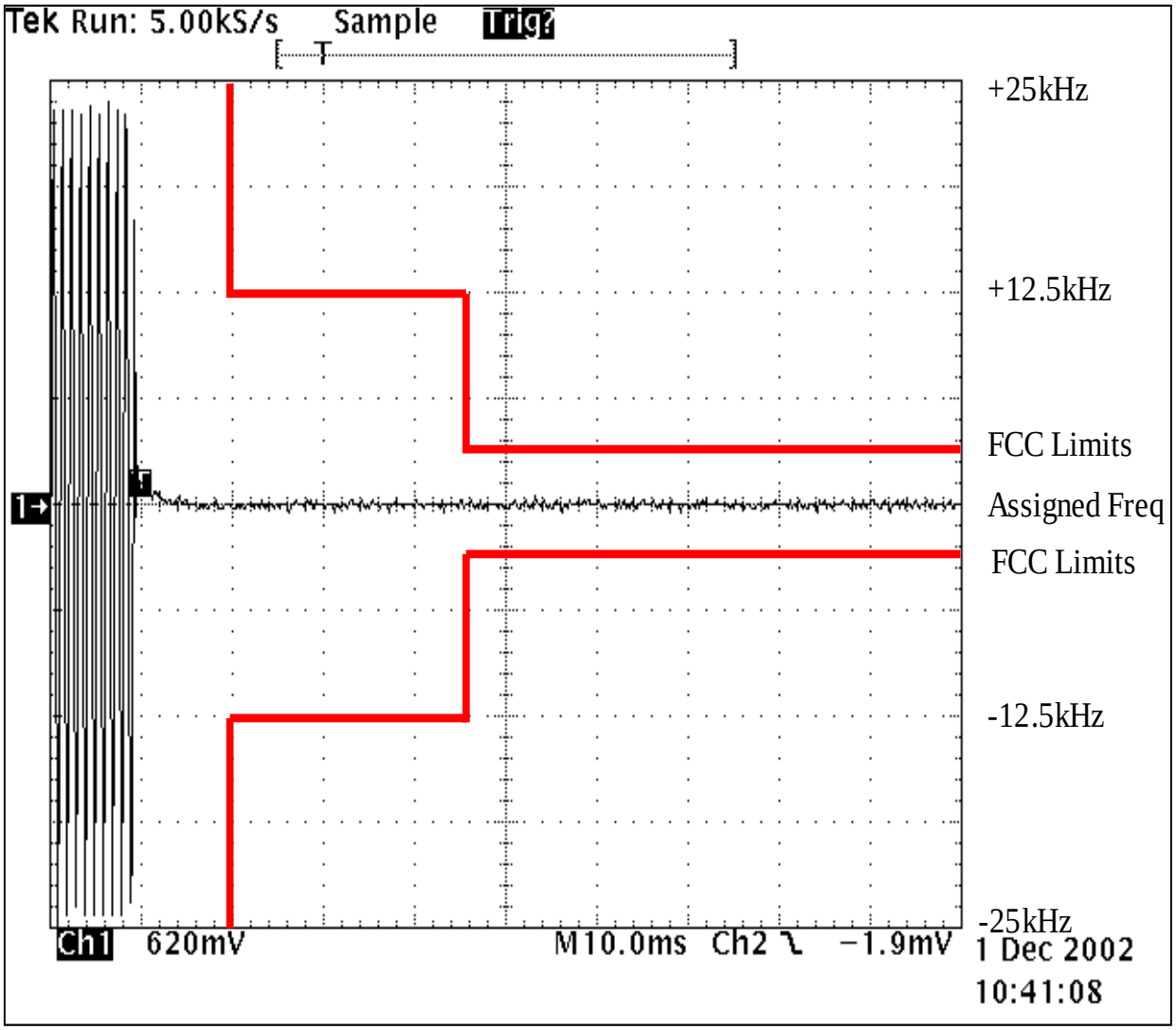

Figure 6I-7: 1 Watt, 25 KHz Key-Up Attack Time

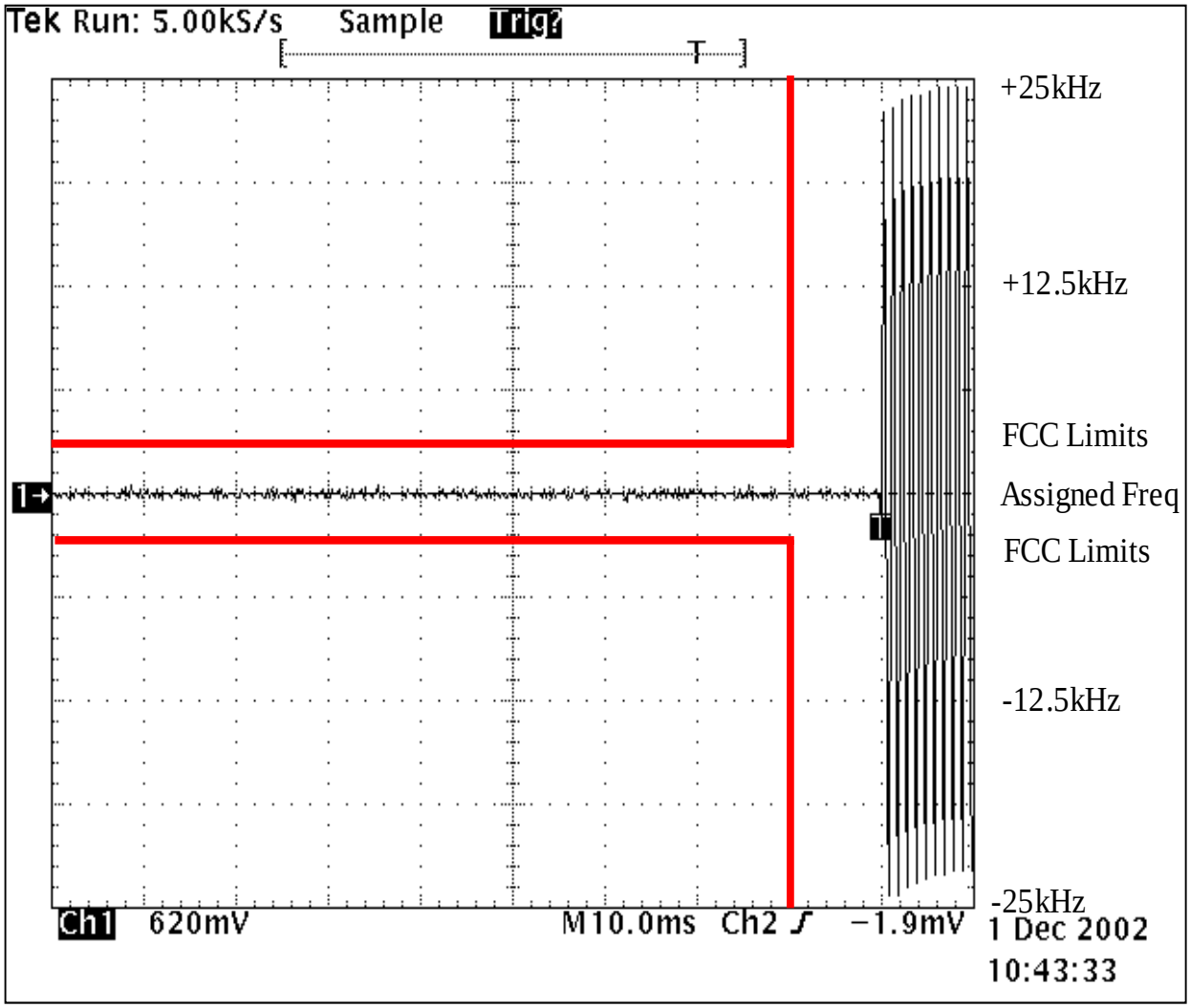

Figure 6I-8: 1 Watt, 25 KHz De-Key Decay Time