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

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

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device (Q100).

At maximum output power setting, Frequency 136.25 MHz:

Output RF power	27.6	Watts
DC Voltage	13.8	Volts
DC Current	5.55	A
DC Input Power	76.6	Watts

At minimum output power setting, Frequency 136.25 MHz:

Output RF power	1.06	Watts
DC Voltage	13.8	Volts
DC Current	1.43	A
DC Input Power	19.7	Watts

At maximum output power setting, Frequency 149.00 MHz:

Output RF power	27.9	Watts
DC Voltage	13.8	Volts
DC Current	5.46	A
DC Input Power	75.3	Watts

At minimum output power setting, Frequency 149.00 MHz:

Output RF power	1.07	Watts
DC Voltage	13.8	Volts
DC Current	1.43	A
DC Input Power	19.7	Watts

At maximum output power setting, Frequency 161.75 MHz:

Output RF power	27.7	Watts
DC Voltage	13.8	Volts
DC Current	5.55	A
DC Input Power	76.6	Watts

At minimum output power setting, Frequency 161.75 MHz:

Output RF power	1.02	Watts
DC Voltage	13.8	Volts
DC Current	1.43	A
DC Input Power	19.7	Watts

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

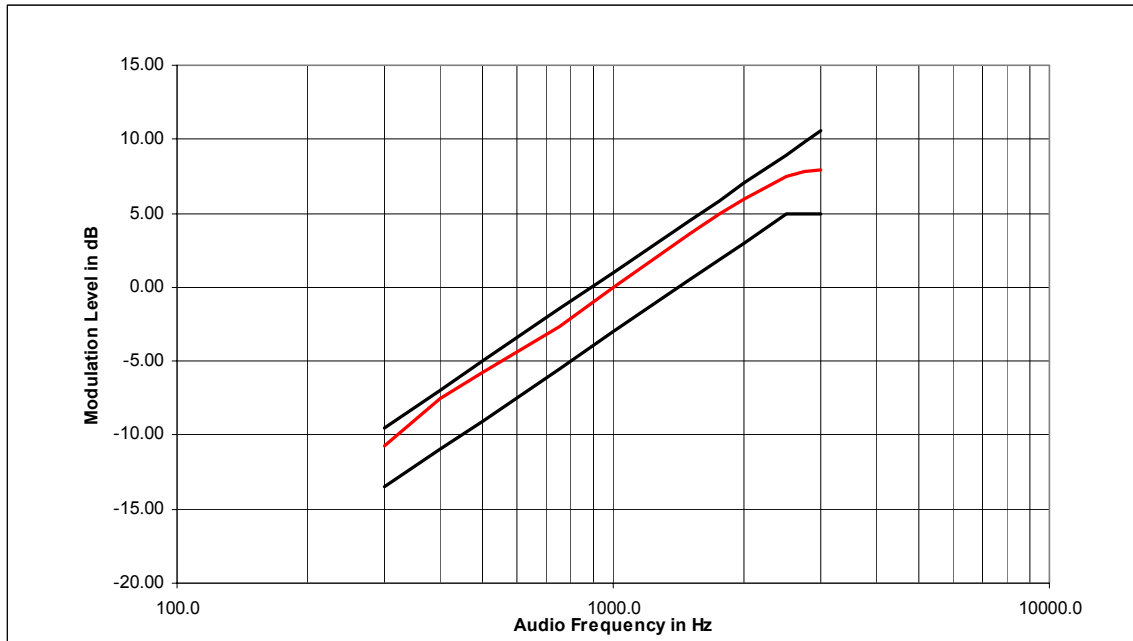


Figure 6B-1: 12.5 KHz Channel Spacing, Transmit Audio Response

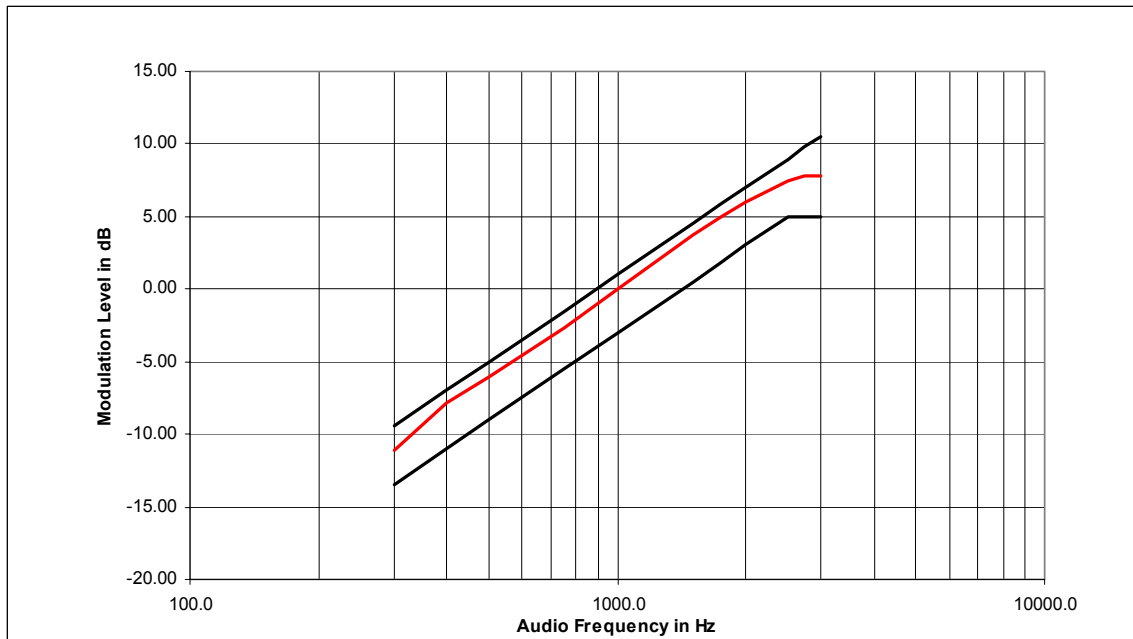


Figure 6B-2: 25 KHz Channel Spacing, Transmit Audio Response

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

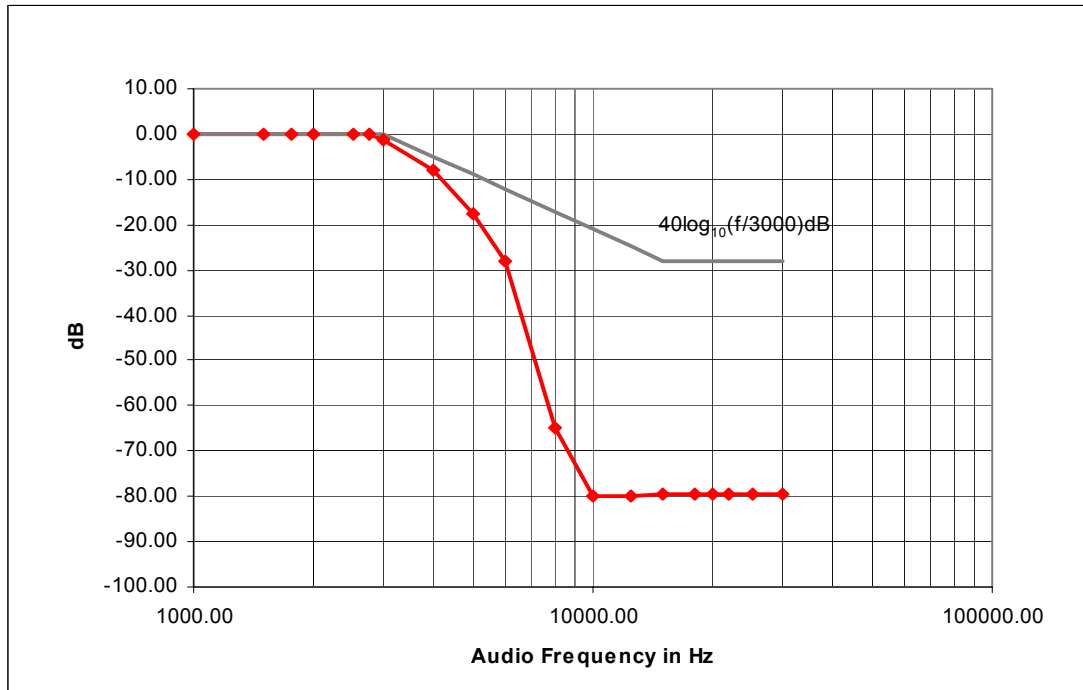


Figure 6C-1: 12.5 KHz Channel Spacing, Transmit Audio Post Limiter Lowpass Filter Response

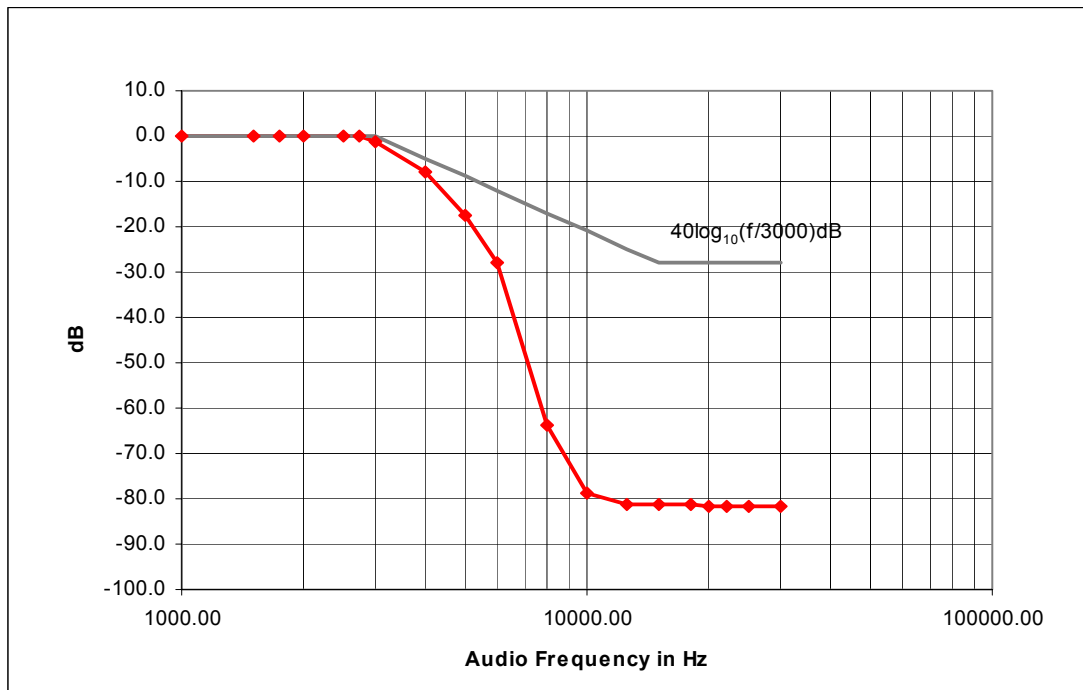


Figure 6C-2: 25 KHz Channel Spacing, Transmit Audio Post Limiter Lowpass Filter Response

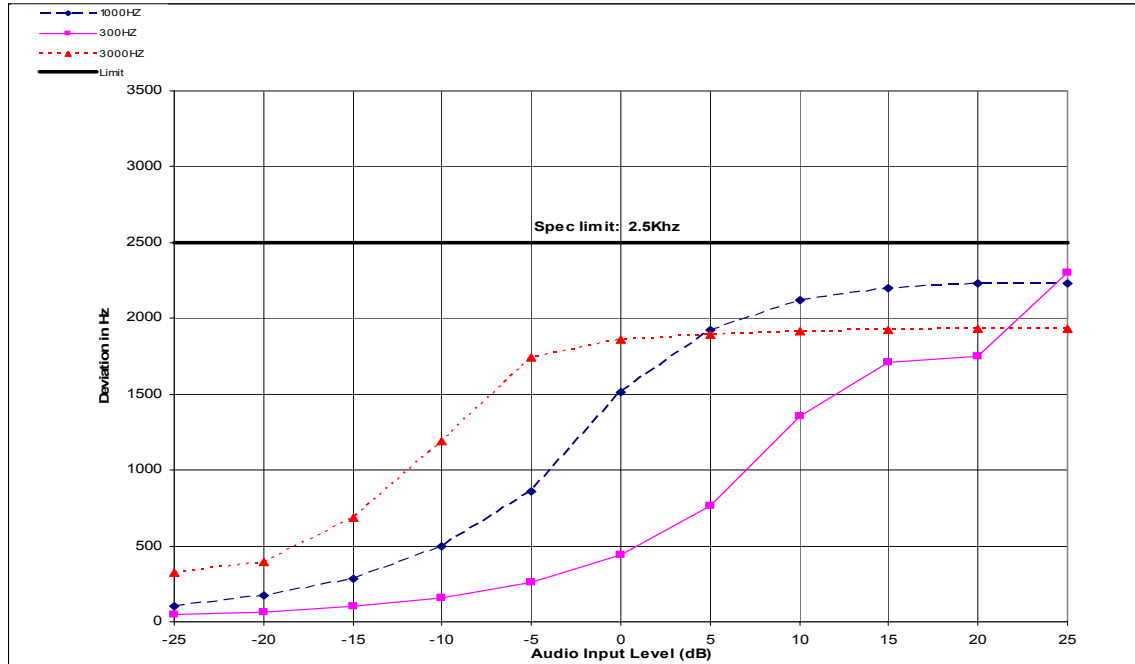
EXHIBIT 6D – Modulation Limiting Characteristics - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

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

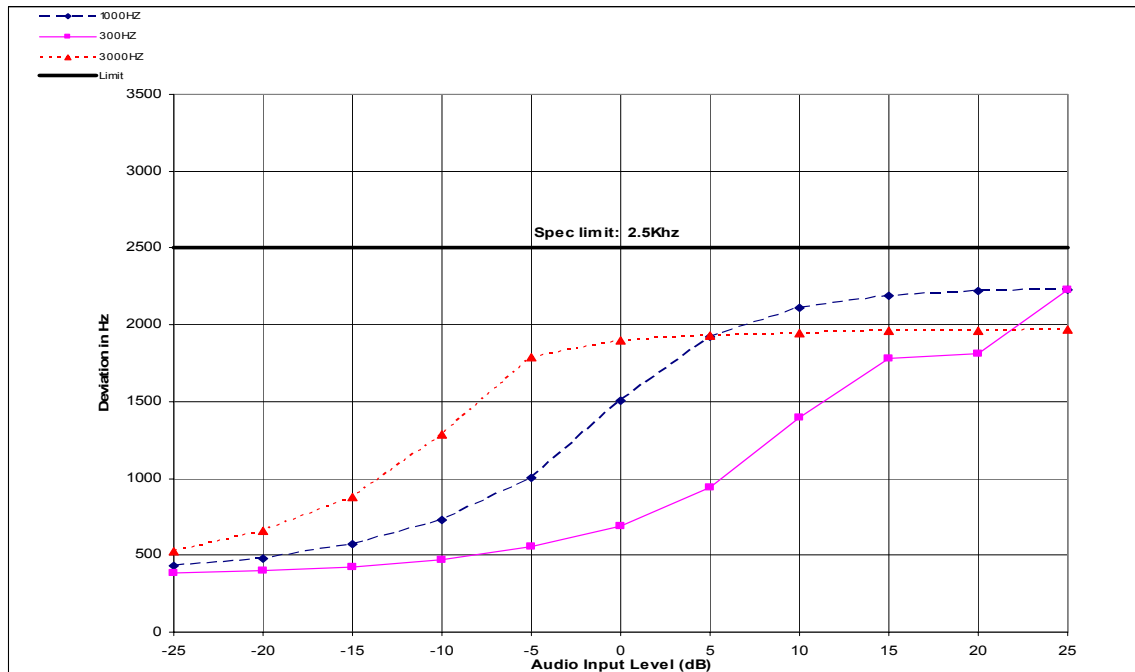


Figure 6D-2: 12.5 KHz Channel Spacing, Tone Private Line (TPL) Mode

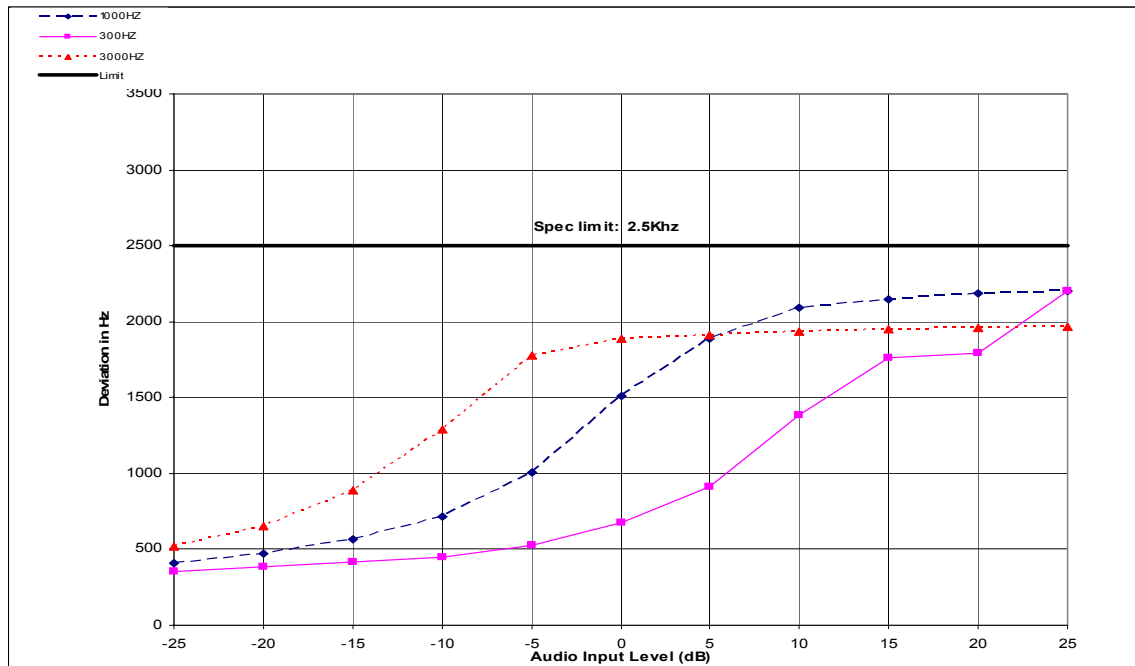


Figure 6D-3: 12.5 KHz Channel Spacing, Digital Private Line (DPL) Mode

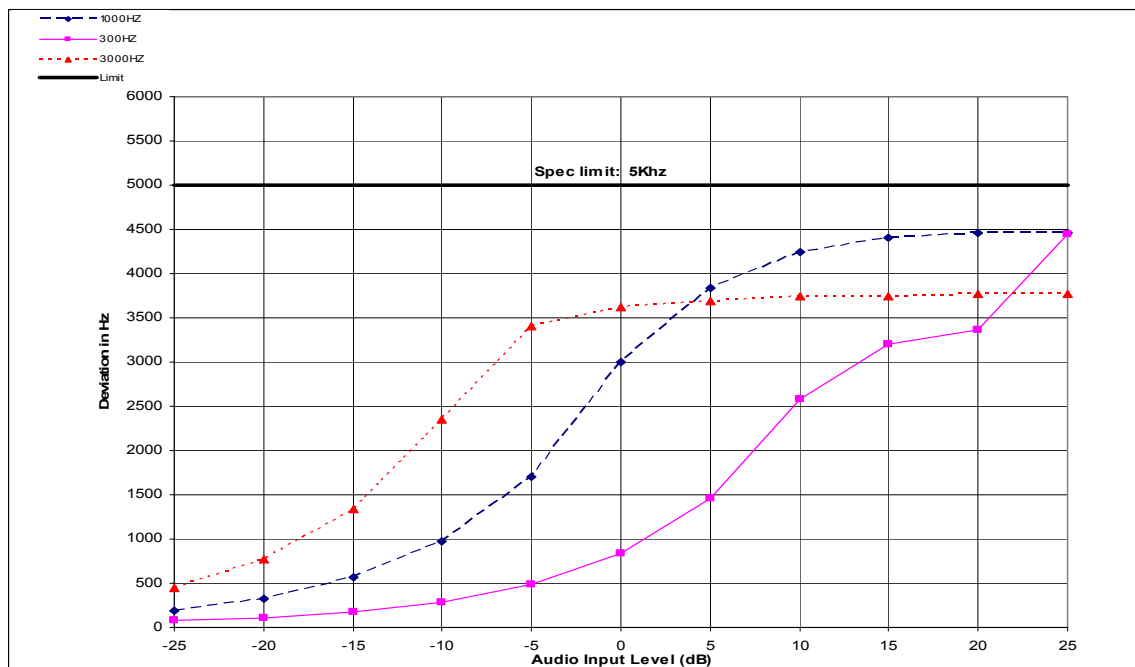


Figure 6D-4: 25 KHz Channel Spacing, Carrier Squelch Mode

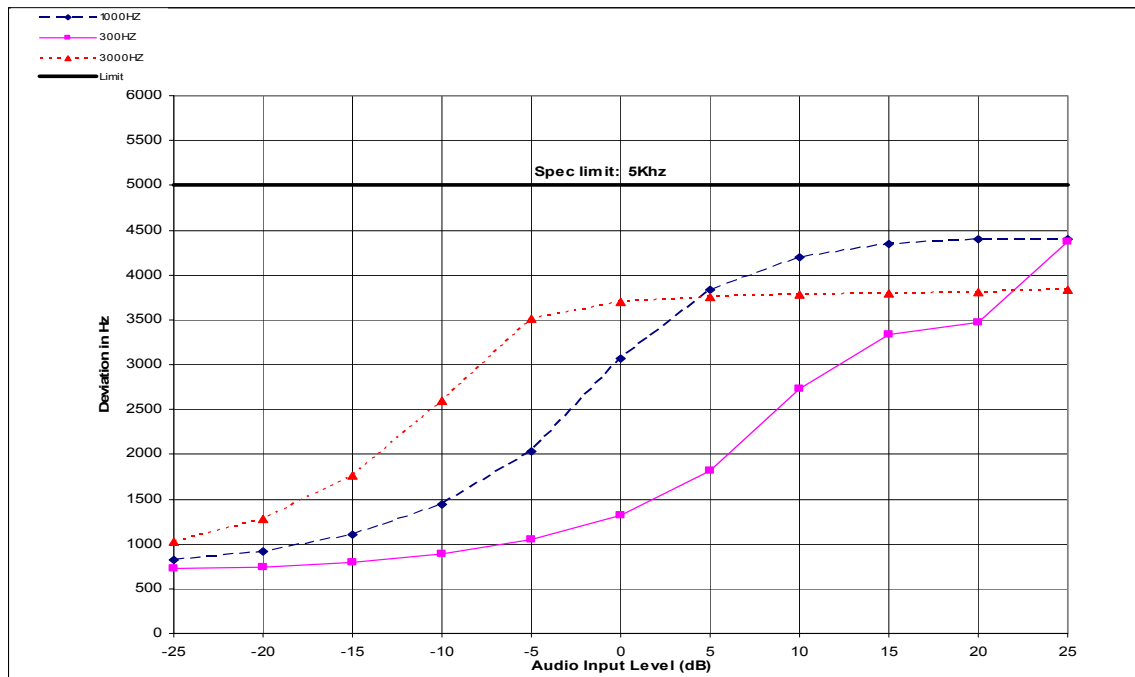


Figure 6D-5: 25 KHz Channel Spacing, Tone Private Line (TPL) Mode

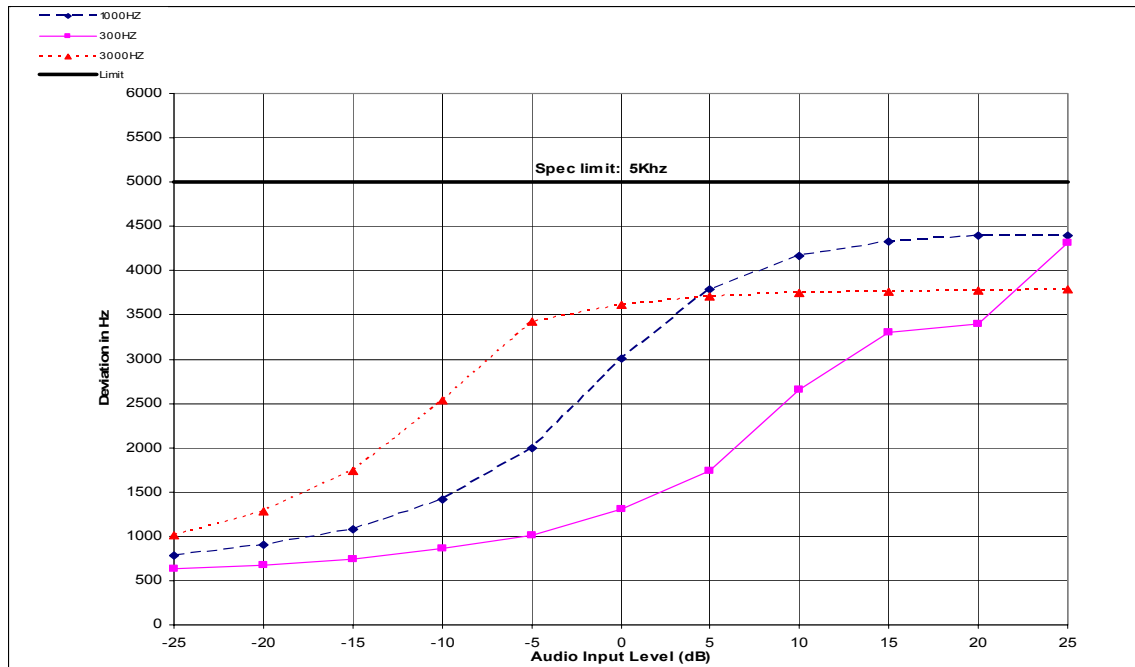


Figure 6D-6: 25 KHz Channel Spacing, Digital Private Line (DPL) Mode

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

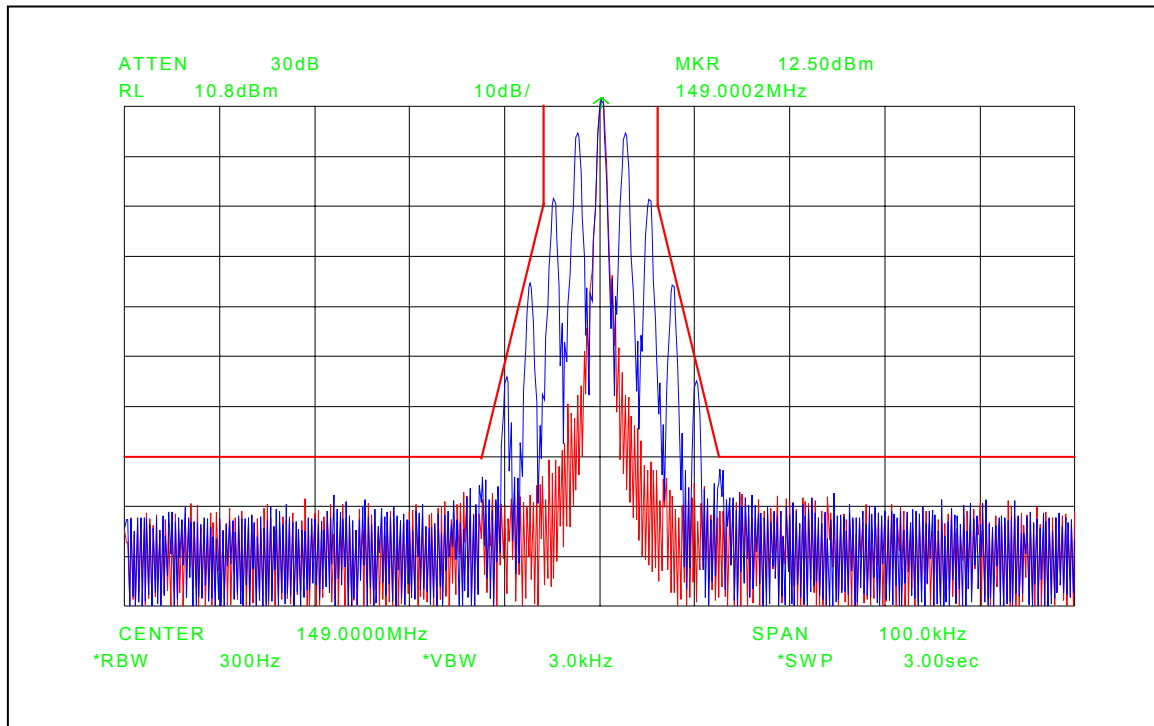


Figure 6E-1: 12.5 KHz Channel Spacing, 2500 Hz Audio Modulation Only, Mask D

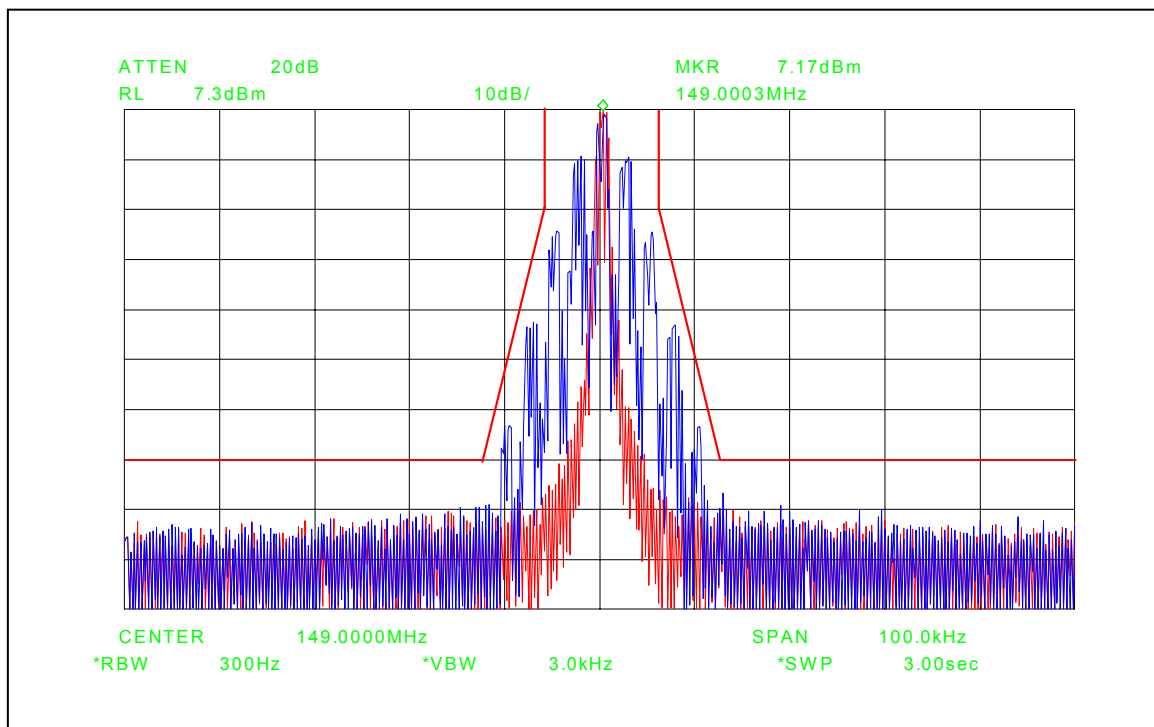


Figure 6E-2: 12.5 KHz Channel Spacing, 2500 Hz Audio and PL Tone Modulation, Mask D

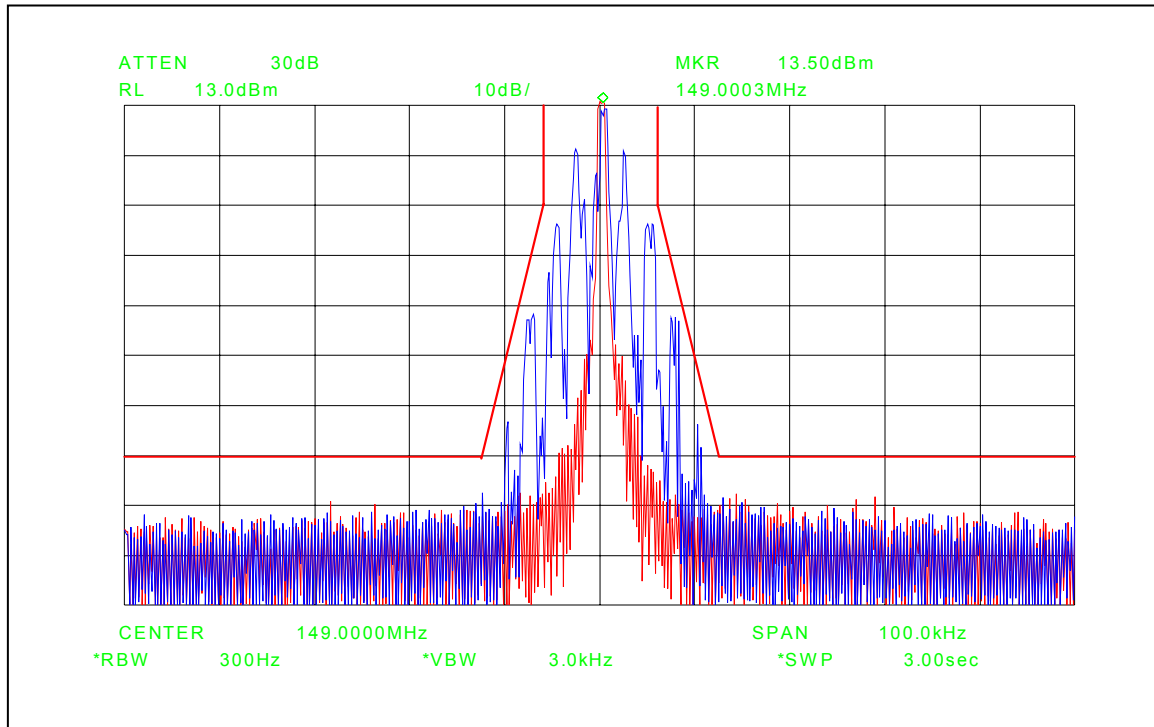


Figure 6E-3: 12.5 KHz Channel Spacing, 2500 Hz Audio and DPL Tone Modulation, Mask D

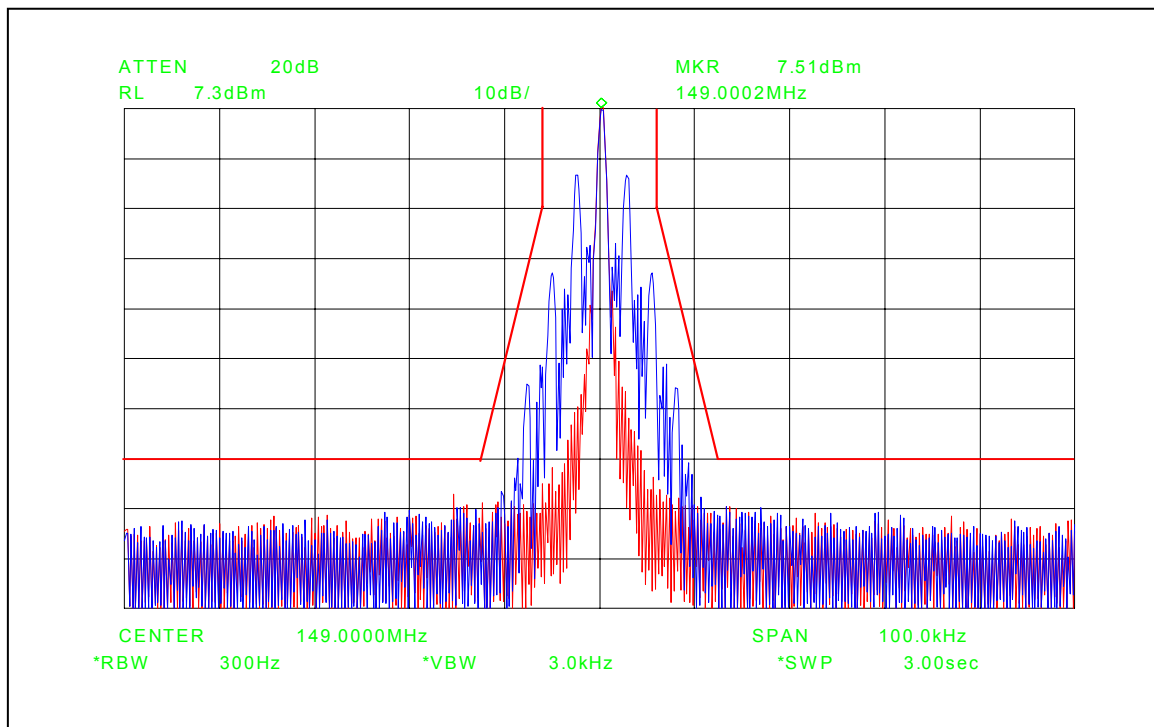


Figure 6E-4: 12.5 KHz Channel Spacing, 2000/3000 Hz FSK Data Modulations Only, Mask D

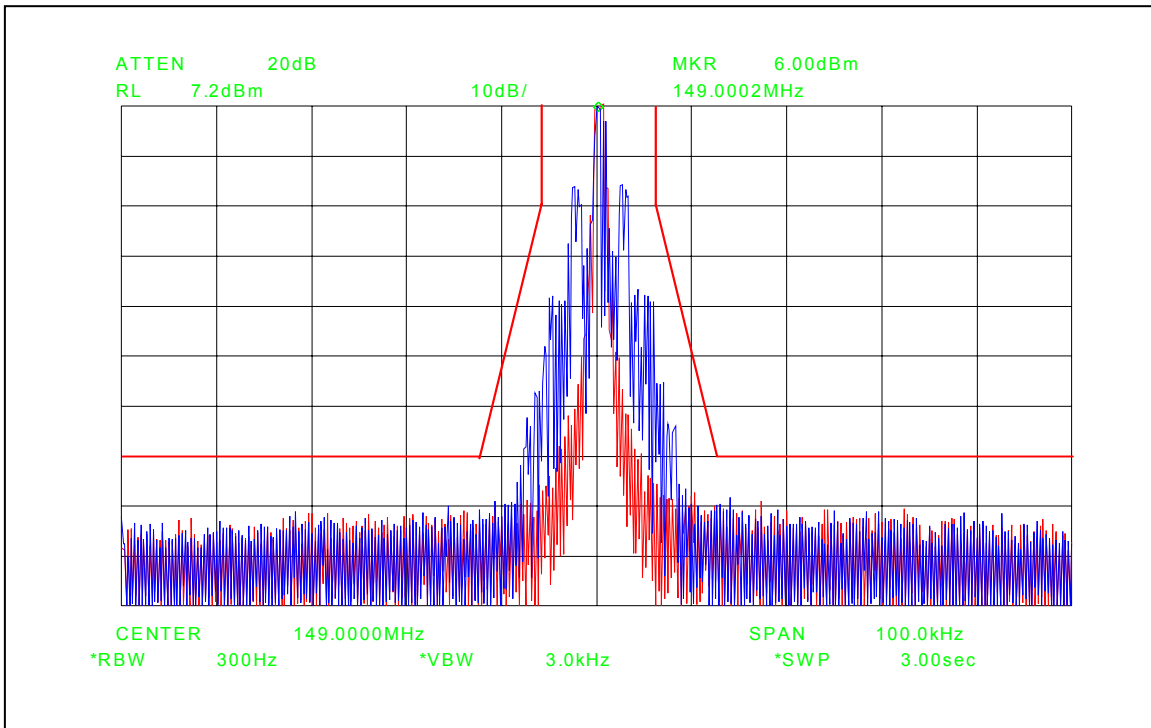


Figure 6E-5: 12.5 KHz Channel Spacing, 2000/3000 Hz FSK Data and PL Tone Modulation, Mask D

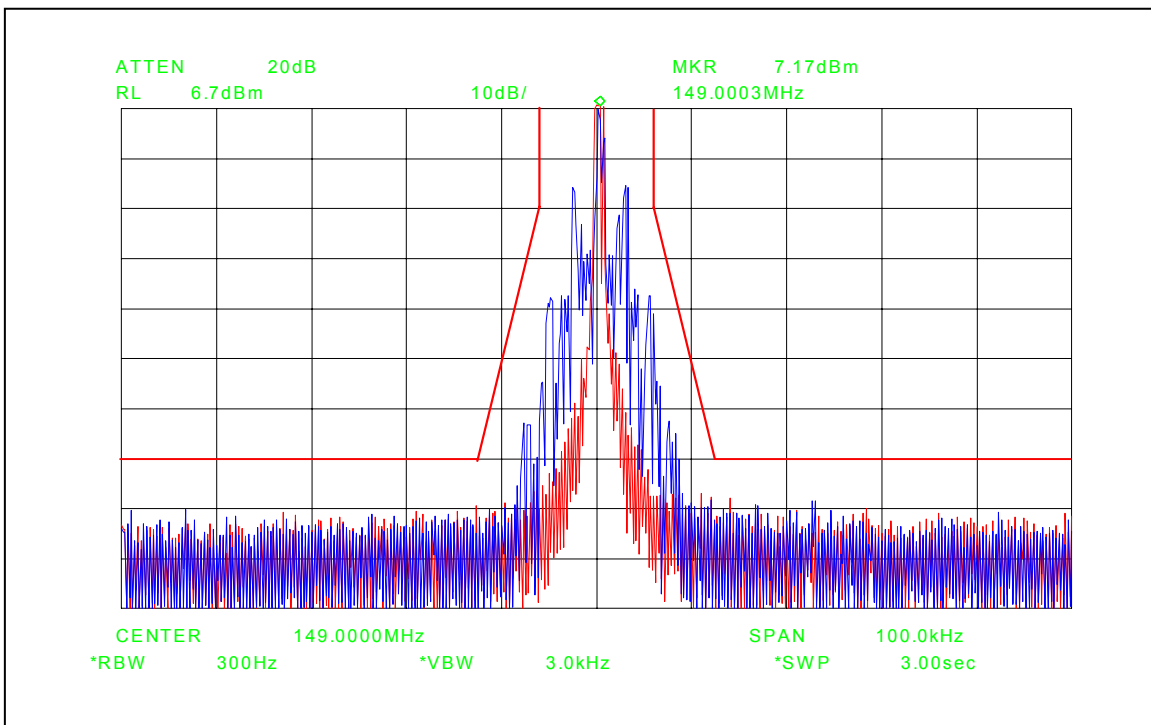


Figure 6E-6: 12.5 KHz Channel Spacing, 2000/3000 Hz FSK Data and DPL Tone Modulation, Mask D

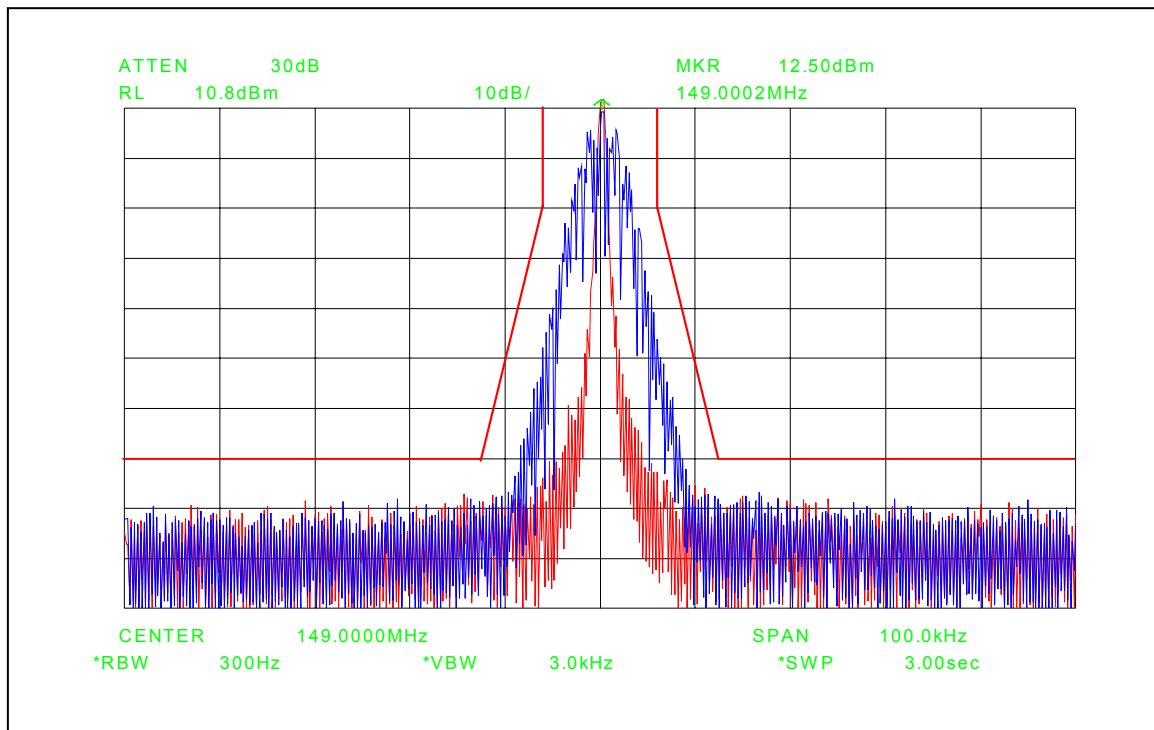


Figure 6E-7: 12.5 KHz Channel Spacing, DTMF Modulation Only, Mask D

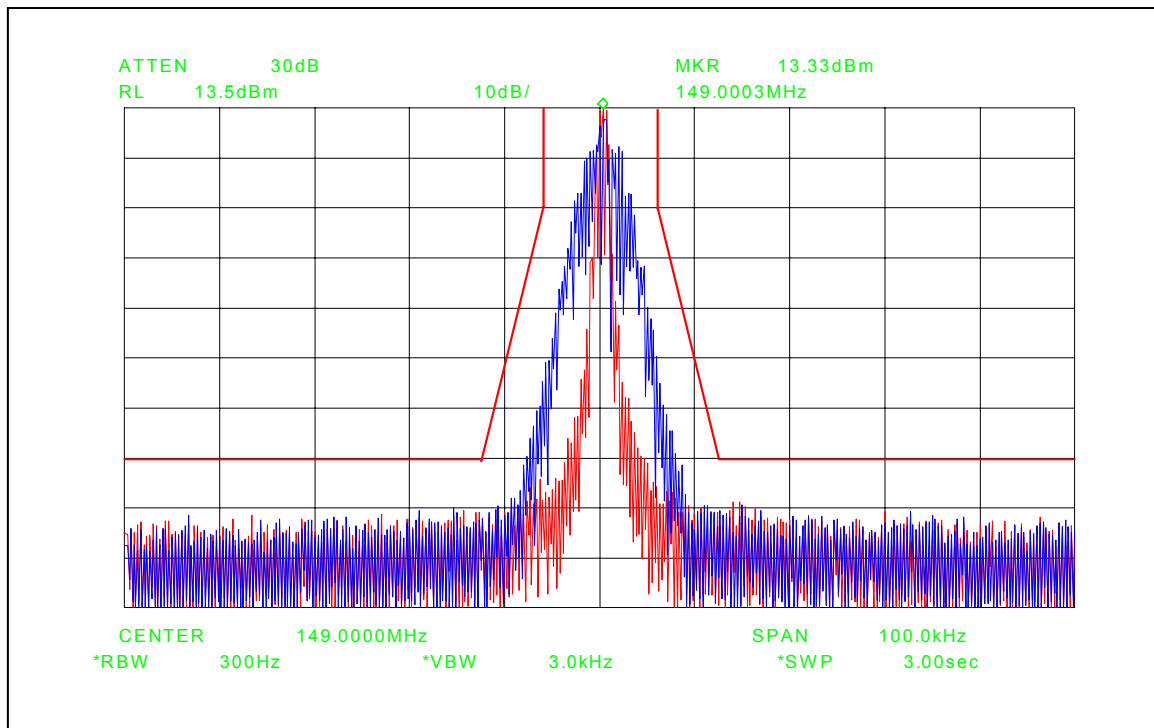


Figure 6E-8: 12.5 KHz Channel Spacing, DTMF Modulation and PL Tone Modulation, Mask D

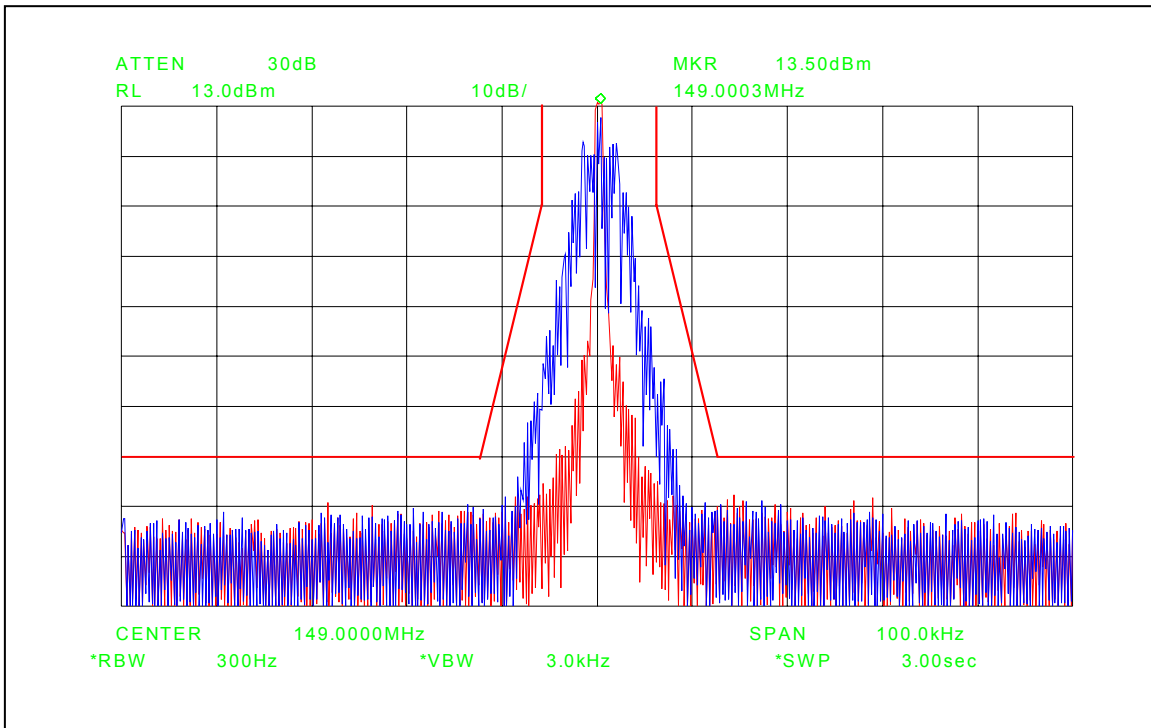


Figure 6E-9: 12.5 KHz Channel Spacing, DTMF Modulation and DPL Tone Modulation, Mask D

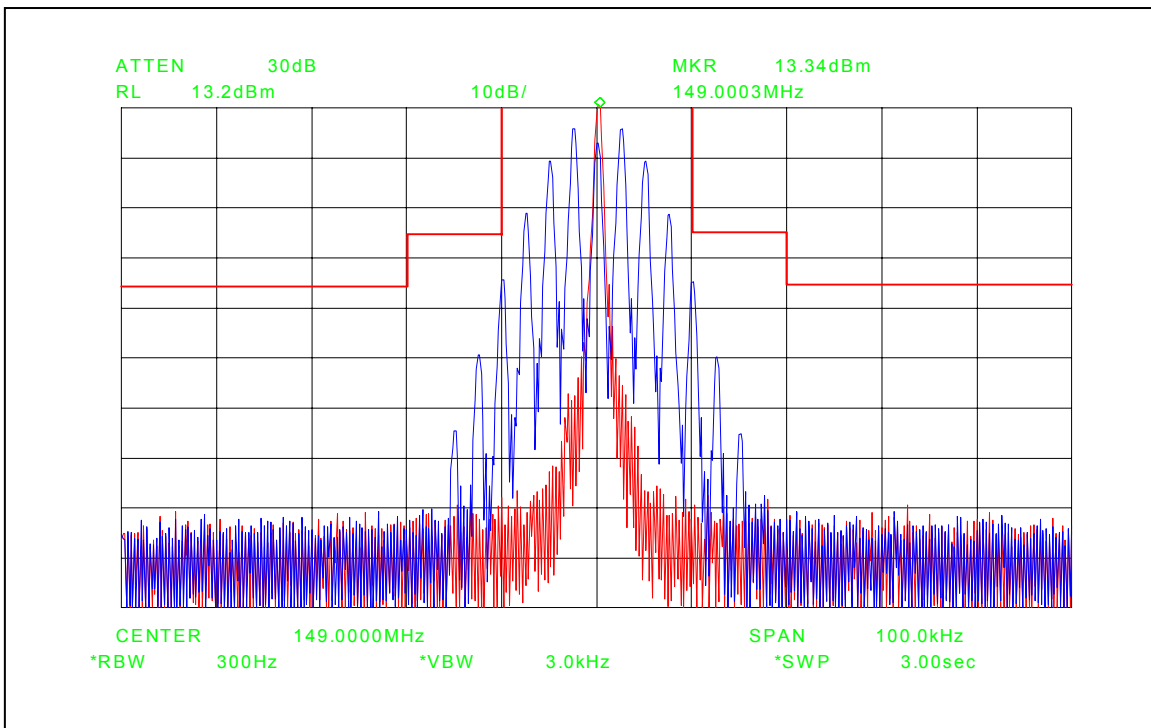


Figure 6E-10: 25 KHz Channel Spacing, 2500 Hz Audio Modulation Only, Mask B

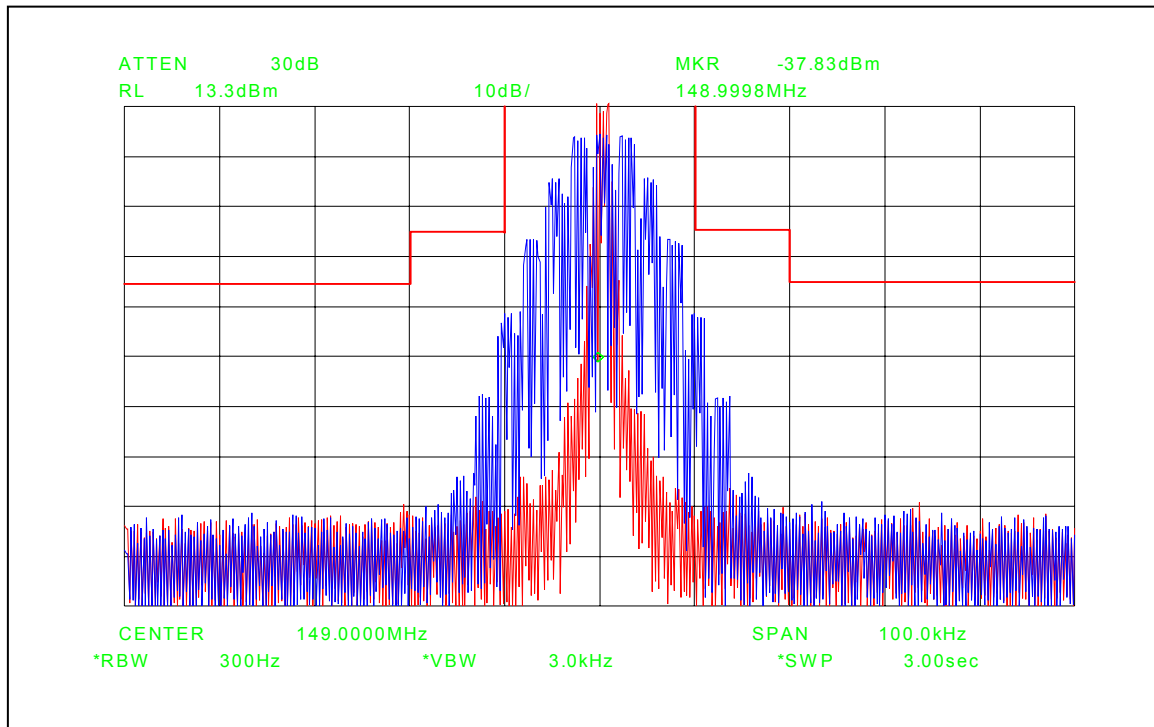


Figure 6E-11: 25 KHz Channel Spacing, 2500 Hz Audio and PL Tone Modulation, Mask B

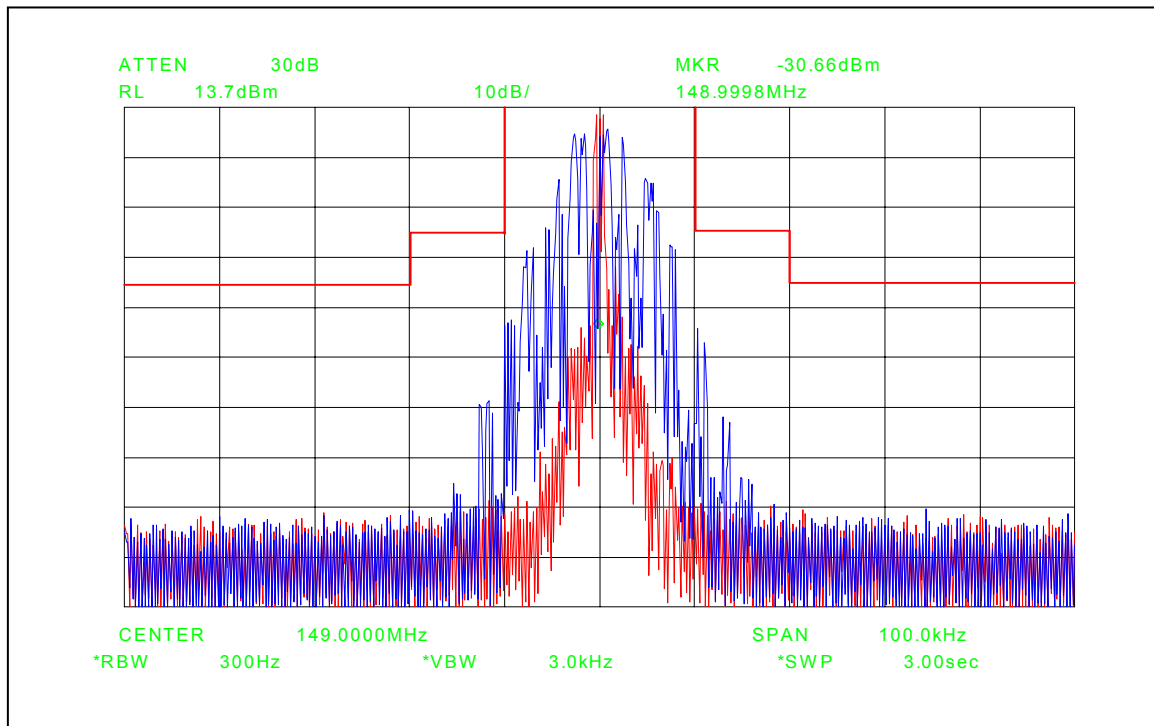


Figure 6E-12: 25 KHz Channel Spacing, 2500 Hz Audio and DPL Tone Modulation, Mask B

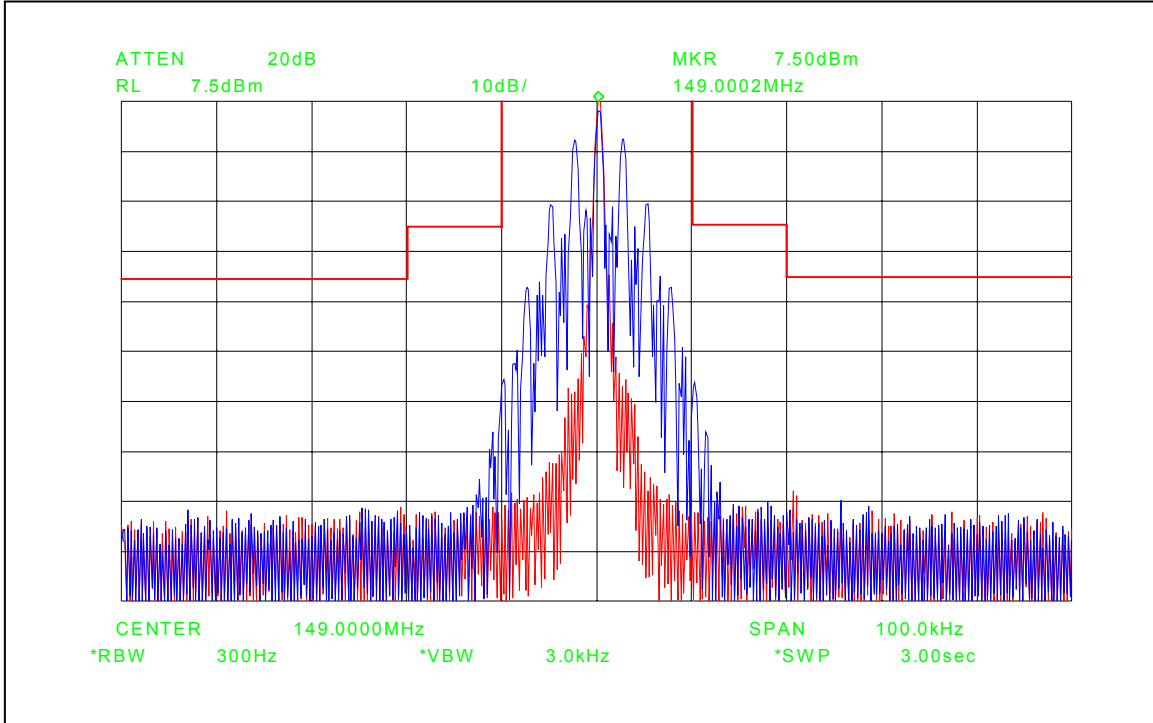


Figure 6E-13: 25 KHz Channel Spacing, 2000/3000 Hz FSK Data Modulation Only ,Mask B

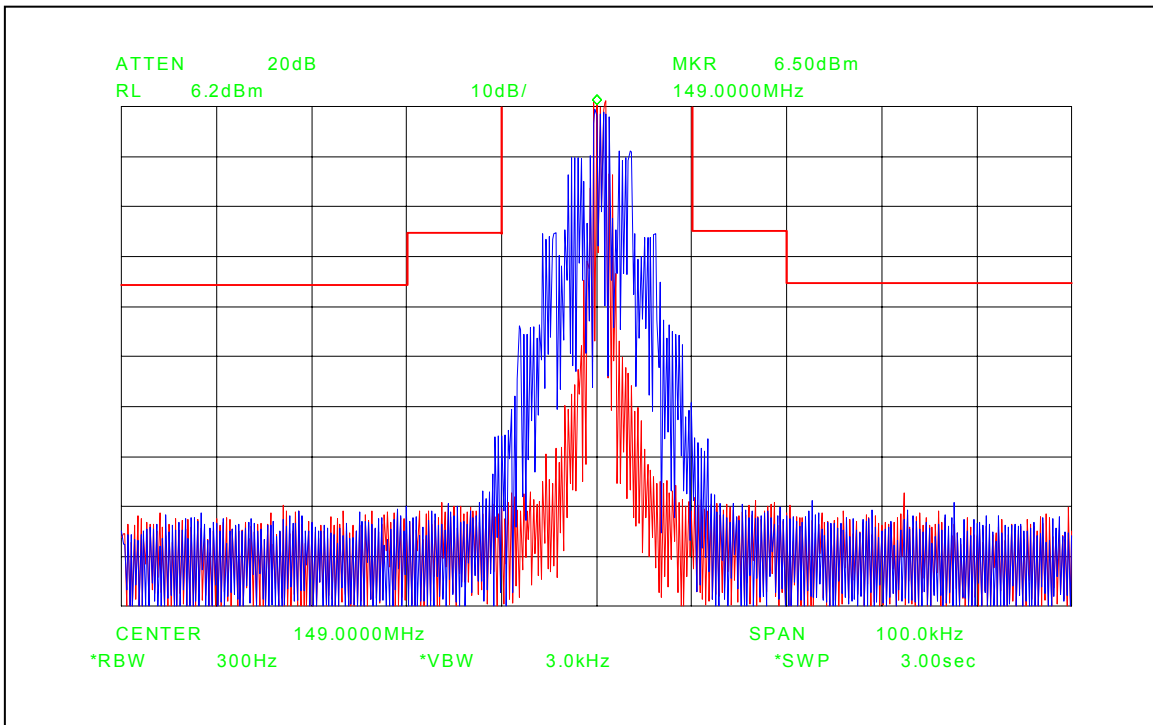


Figure 6E-14: 25 KHz Channel Spacing, 2000/3000 Hz FSK Data and PL Tone Modulation, Mask B

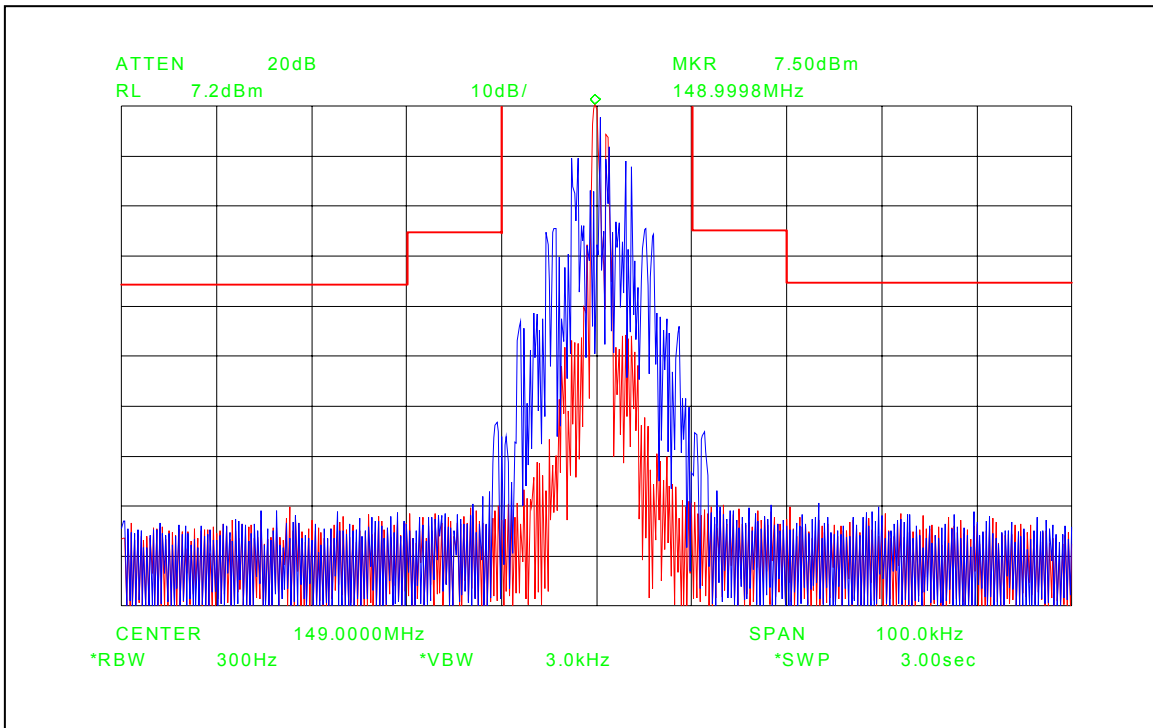


Figure 6E-15: 25 KHz Channel Spacing, 2000/3000 Hz FSK Data and DPL Tone Modulation, Mask B

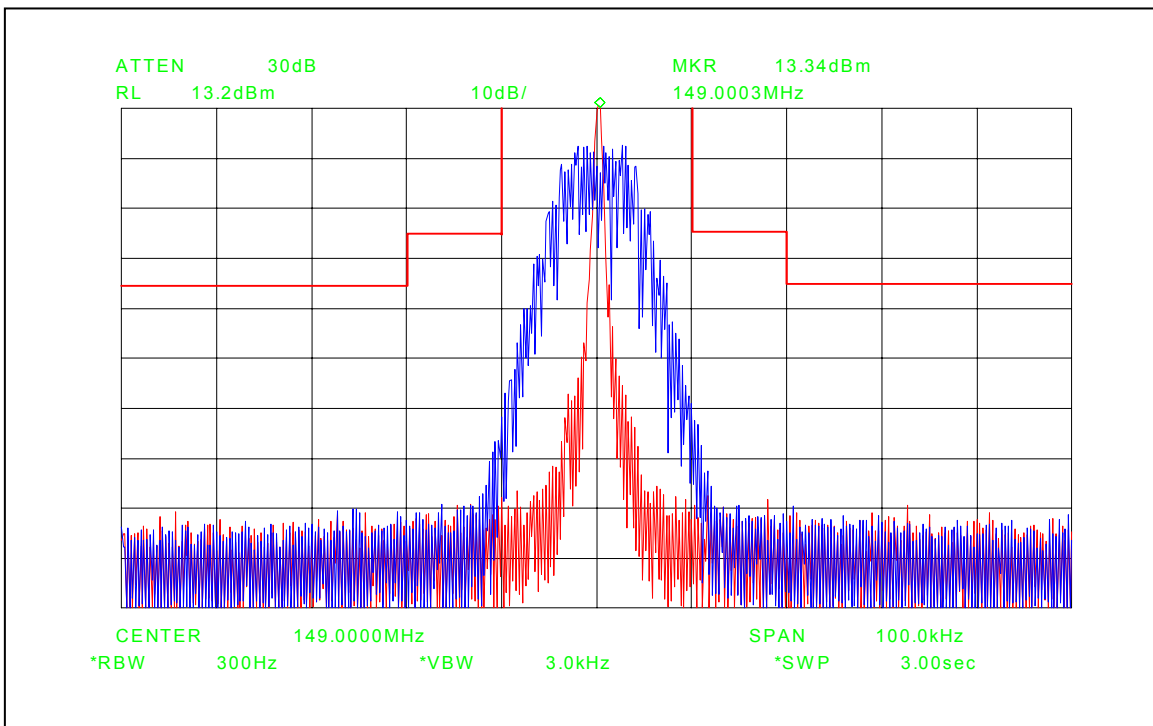


Figure 6E-16: 25 KHz Channel Spacing, DTMF Modulation Only, Mask B

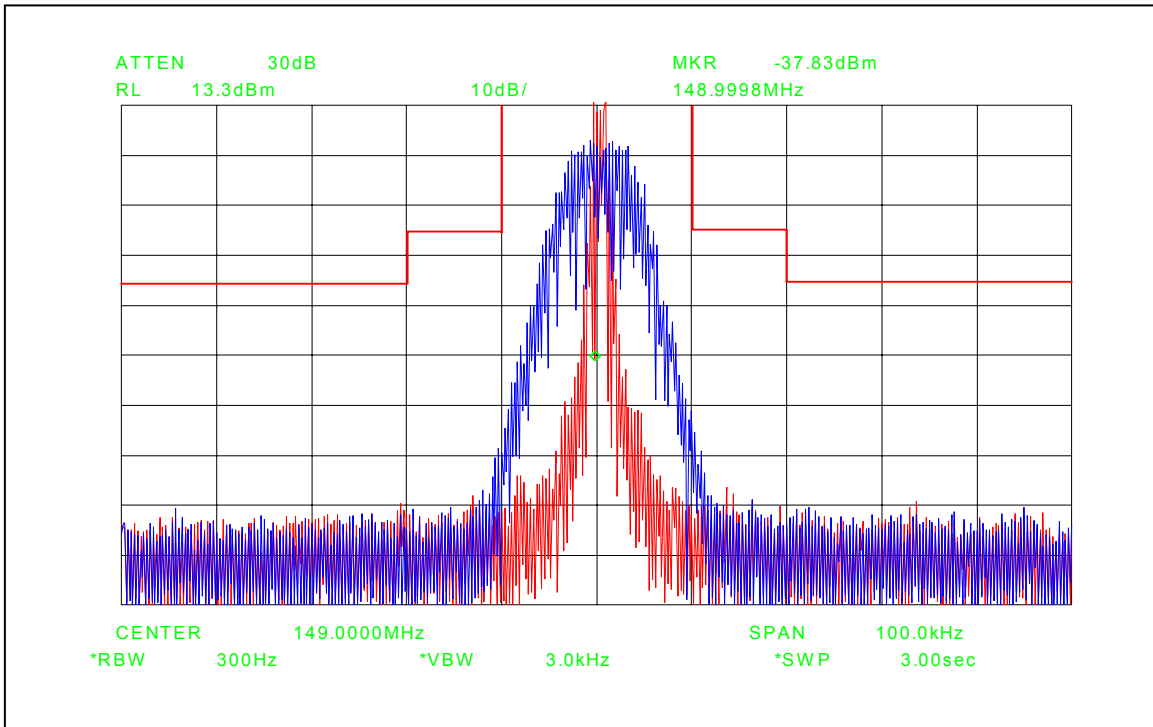


Figure 6E-17: 25 KHz Channel Spacing, DTMF Modulation and PL Tone Modulation, Mask B

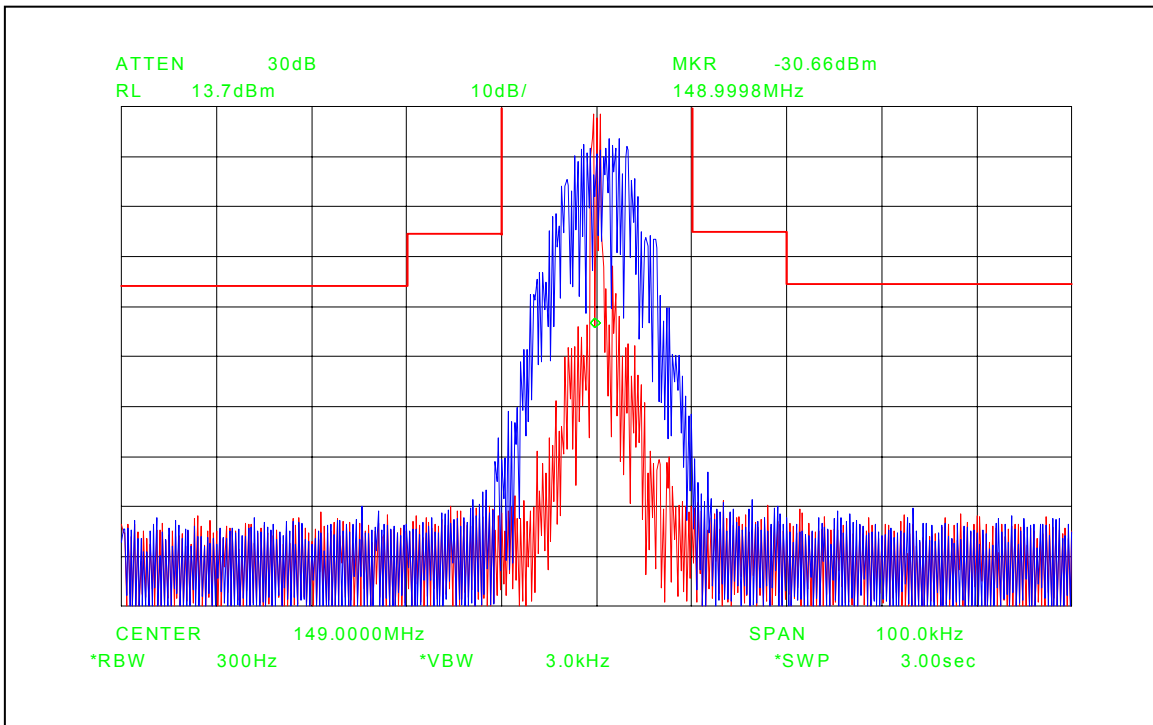


Figure 6E-18: 25 KHz Channel Spacing, DTMF Modulation and DPL Tone Modulation, Mask B

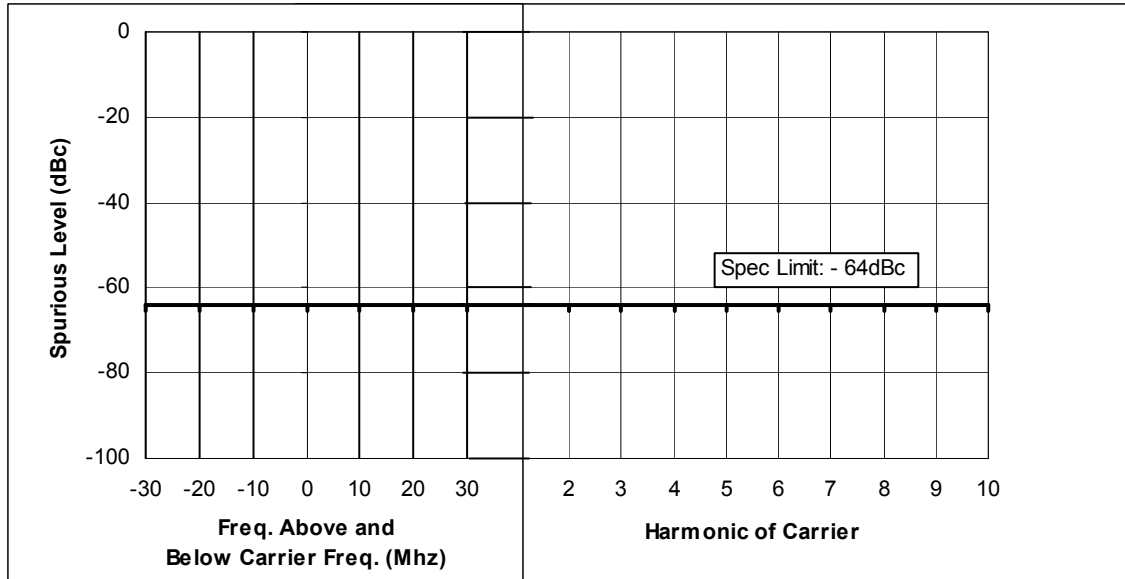
EXHIBIT 6F – Conducted Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

Figure 6F-1: 25 Watts, 136.25 MHz, 12.5 KHz Channel Spacing

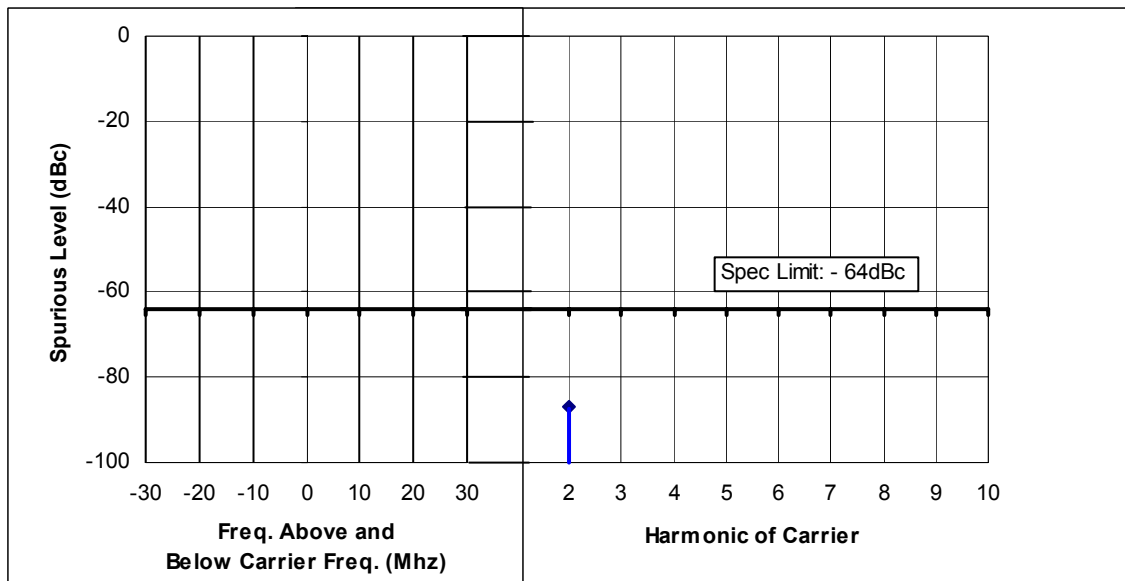


Figure 6F-2: 25 Watts, 149.00 MHz, 12.5 KHz Channel Spacing

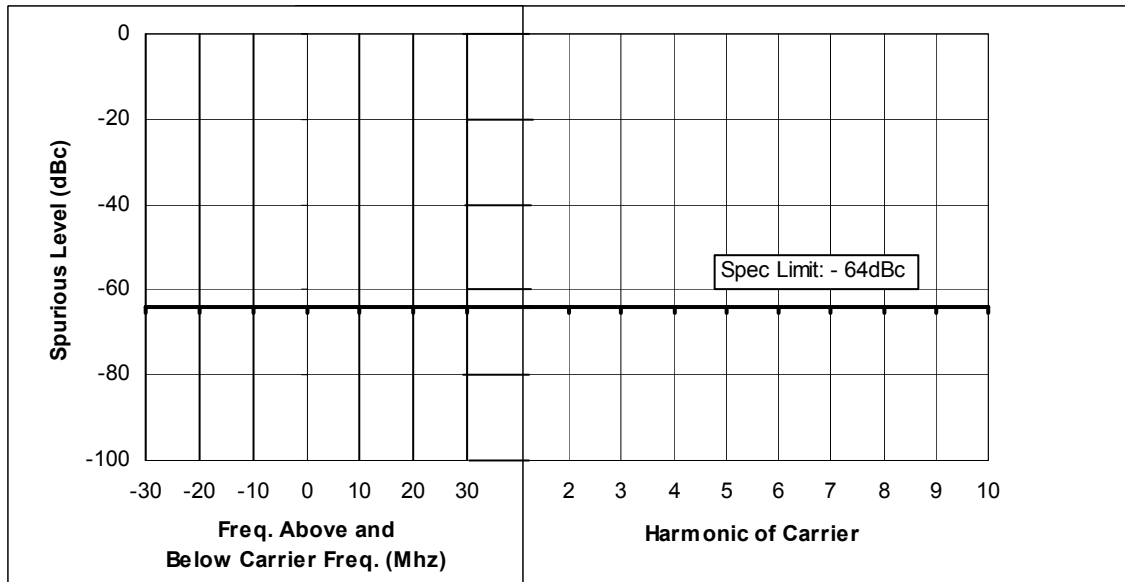


Figure 6F-3: 25 Watts, 161.75 MHz, 12.5 KHz Channel Spacing

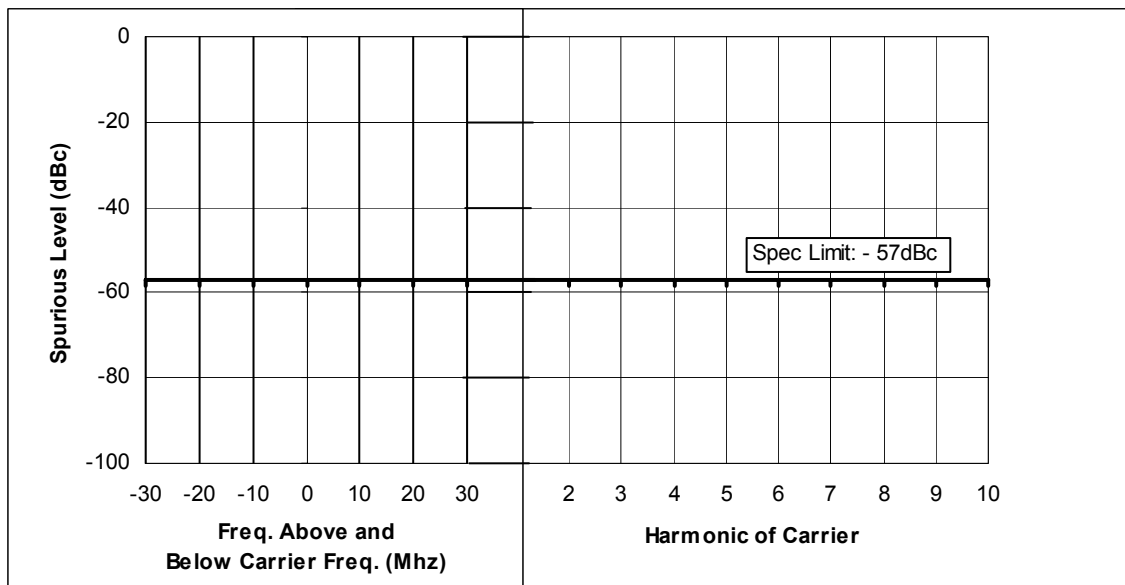


Figure 6F-4: 25 Watts, 136.25 MHz, 25 KHz Channel Spacing

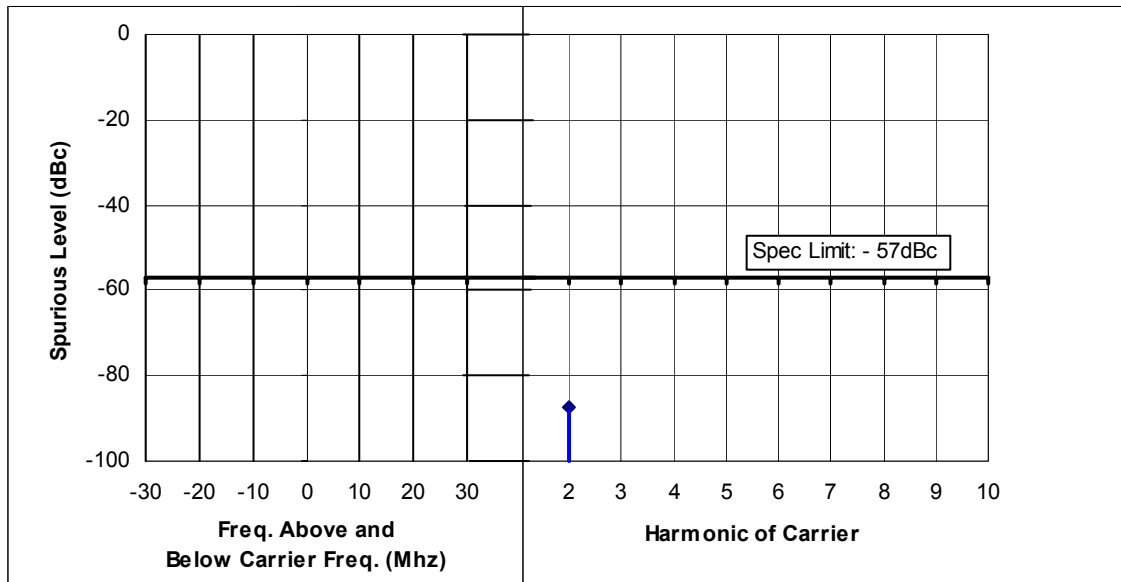


Figure 6F-5: 25 Watts, 149.00 MHz, 25 KHz Channel Spacing

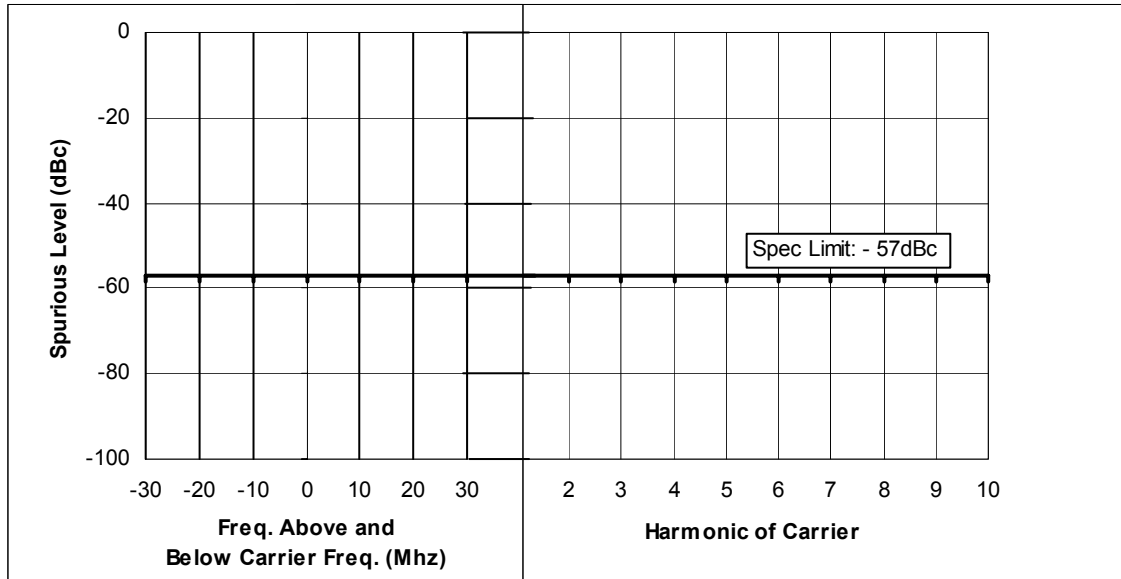


Figure 6F-6: 25 Watts, 161.75 MHz, 25 KHz Channel Spacing

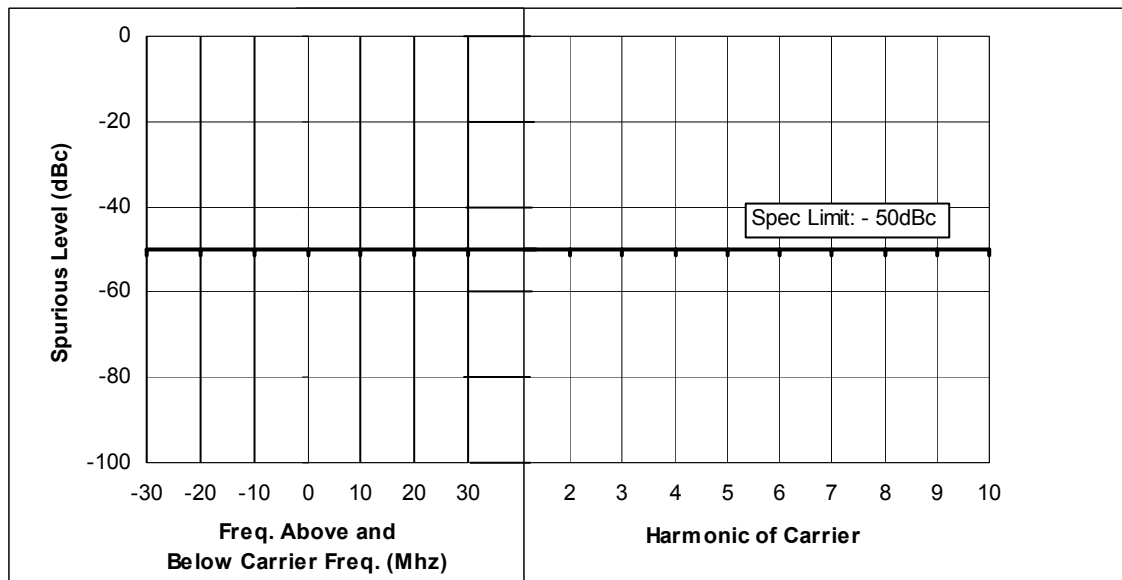


Figure 6F-7: 1 Watts, 136.25 MHz, 12.5 KHz Channel Spacing

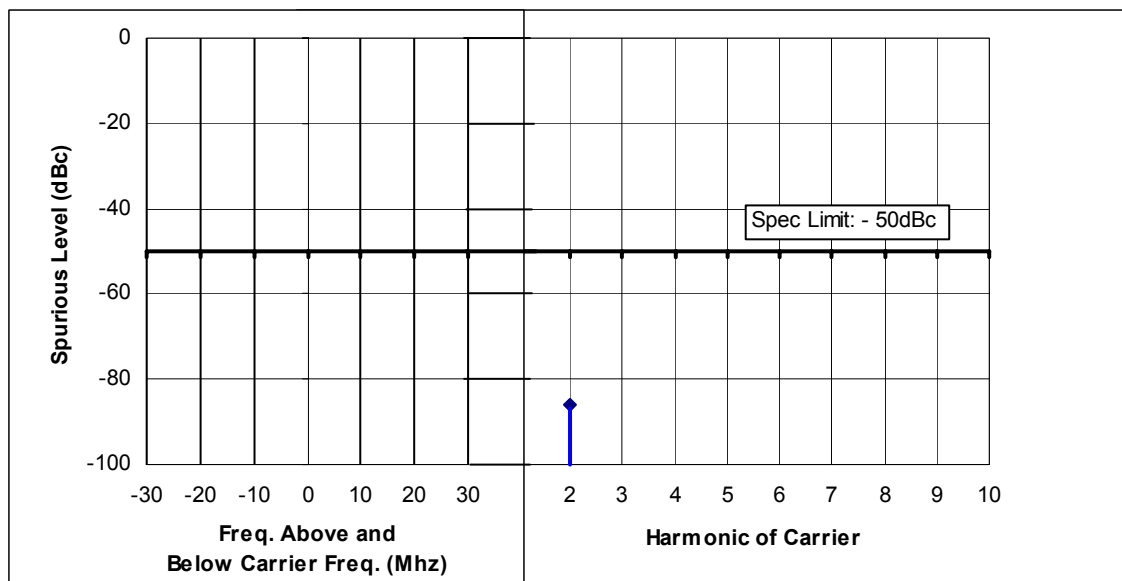


Figure 6F-8: 1 Watts, 149.00 MHz, 12.5 KHz Channel Spacing

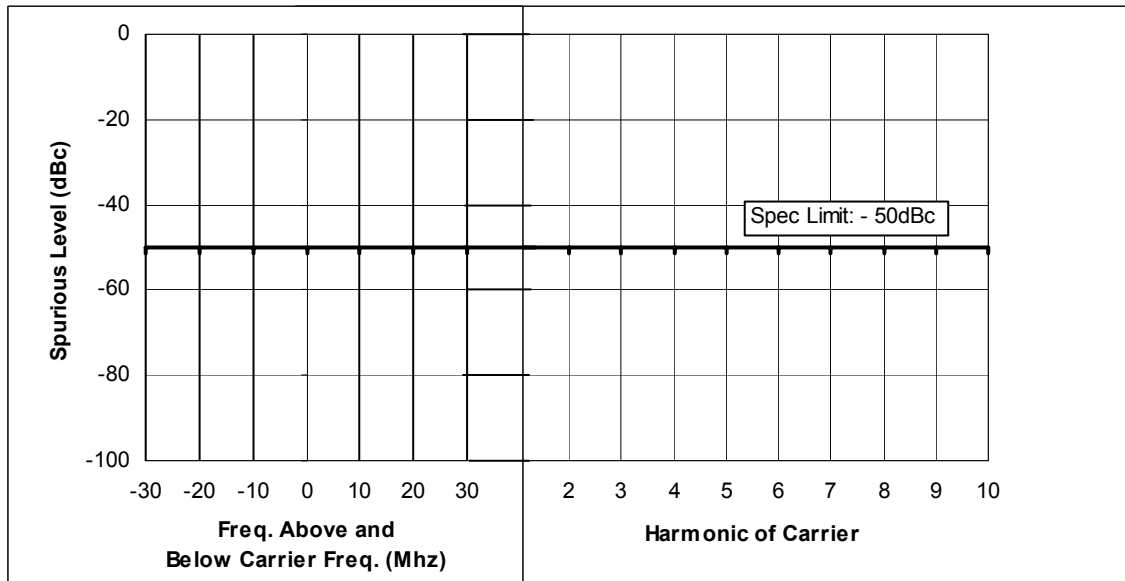


Figure 6F-9: 1 Watts, 161.75 MHz, 12.5 KHz Channel Spacing

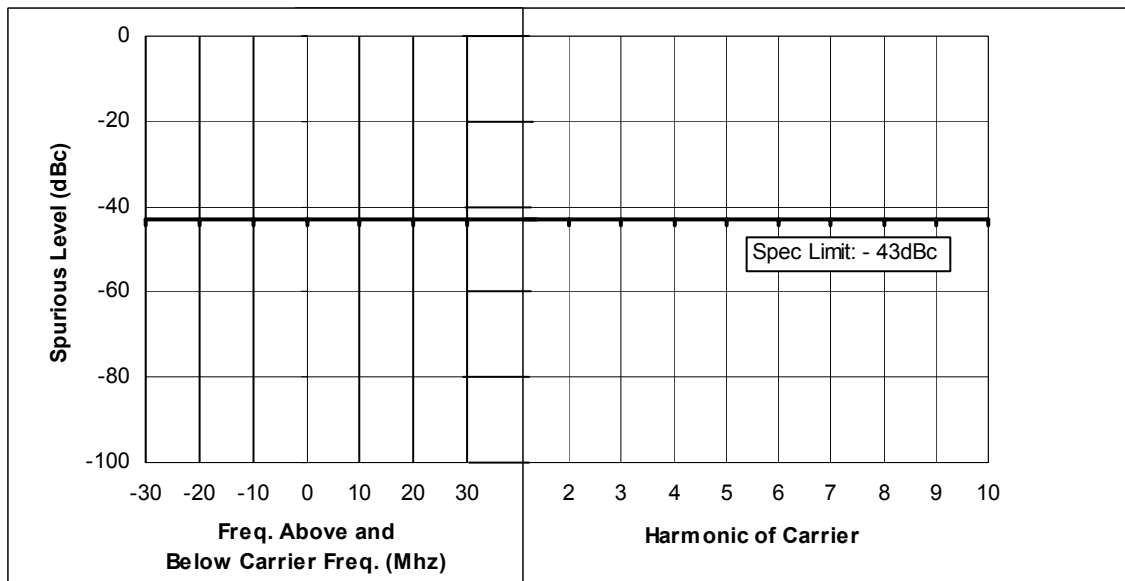


Figure 6F-10: 1 Watts, 136.25 MHz, 25 KHz Channel Spacing

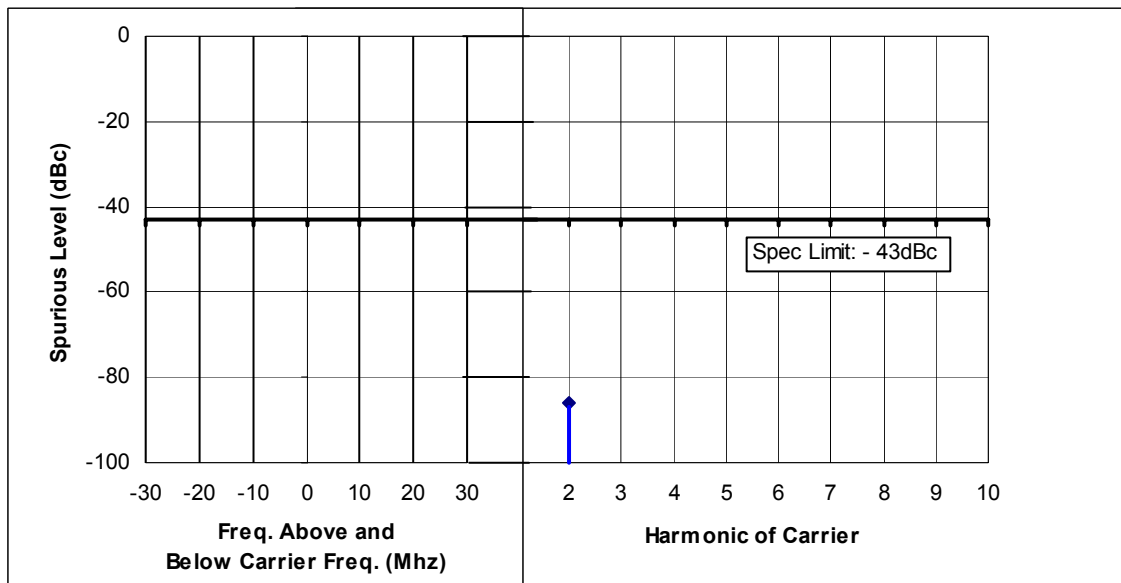


Figure 6F-11: 1 Watts, 149.00 MHz, 25 KHz Channel Spacing

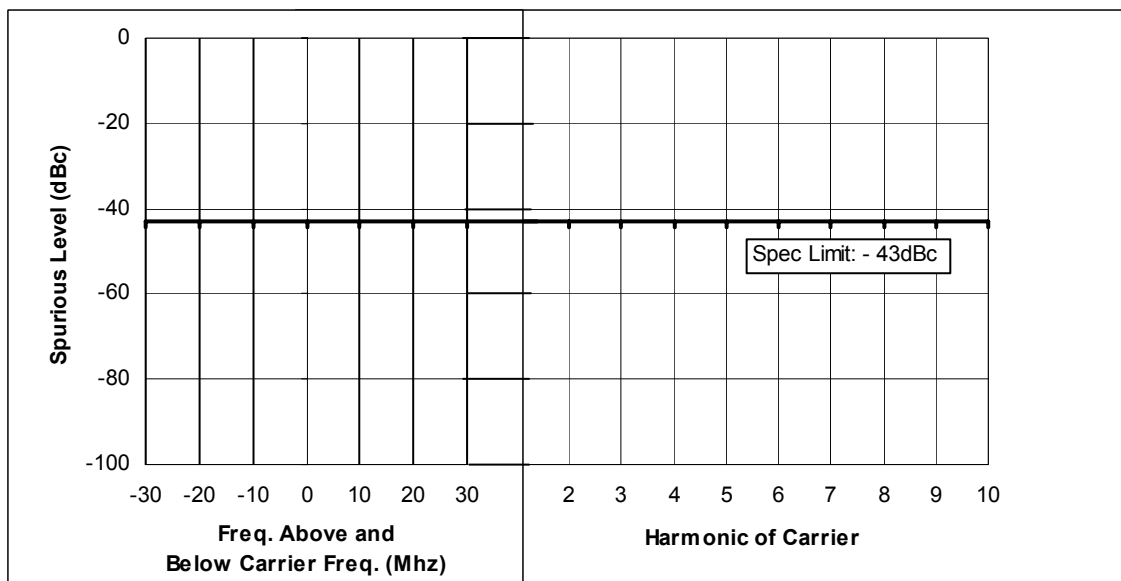


Figure 6F-12: 1 Watts, 161.75 MHz, 25 KHz Channel Spacing

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)

Transmitter Radiated Spurious Emissions: ELM Marlin

136.0125 MHz		28W		Channel Spacing 25KHZ S/N XG0AA00L	
Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	
272.0250	-13	-20	-52.82	-57.50	
408.0375	-13	-20	-56.40	-57.41	
544.0500	-13	-20	-55.46	-59.17	
680.0625	-13	-20	-63.56	*	
816.0750	-13	-20	-72.08	*	
952.0875	-13	-20	-73.45	*	
1088.1000	-13	-20	*	*	
1224.1125	-13	-20	*	*	
1360.1250	-13	-20	*	*	

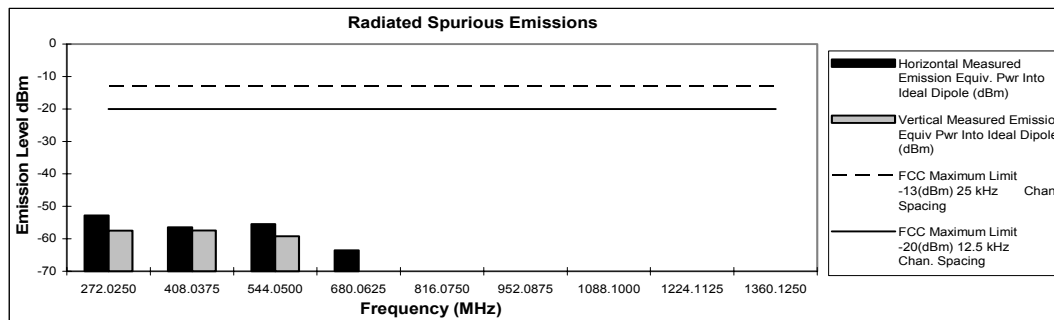


Figure 6G-1 – 28 Watts, 136.0125 MHz

Transmitter Radiated Spurious Emissions: ELM Marlin

146.0125 MHz		28W		Channel Spacing 25KHZ S/N XG0AA00L	
Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	
292.0250	-13	-20	-49.26	-61.86	
438.0375	-13	-20	-50.53	-53.80	
584.0500	-13	-20	-55.90	*	
730.0625	-13	-20	-67.07	*	
876.0750	-13	-20	*	*	
1022.0875	-13	-20	*	*	
1168.1000	-13	-20	*	*	
1314.1125	-13	-20	*	*	
1460.1250	-13	-20	*	*	

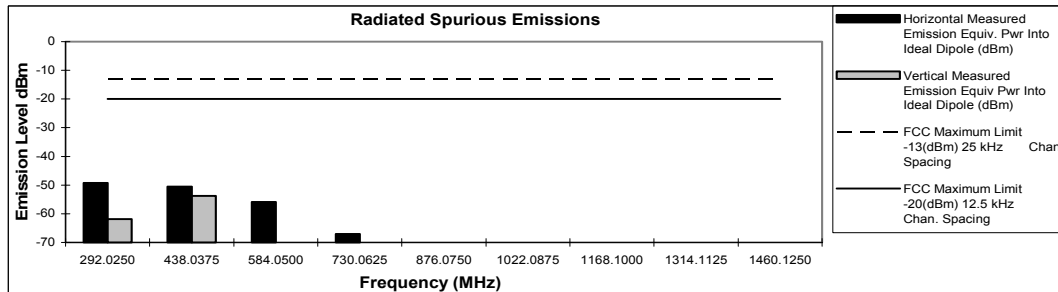
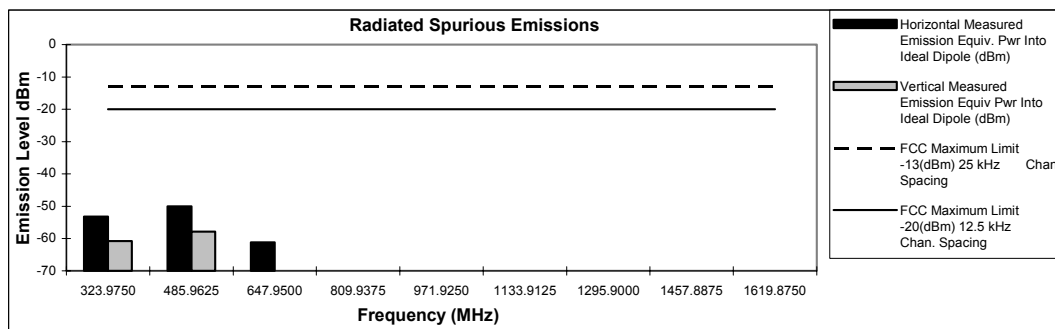


Figure 6G-2 – 28 Watts, 146.0125 MHz

Transmitter Radiated Spurious Emissions: ELM Marlin**161.9875 MHz****25 Watts****Channel Spacing 25KHZ | S/N XG0AA00L**

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.9750	-13	-20	-53.22	-60.75
485.9625	-13	-20	-50.04	-57.84
647.9500	-13	-20	-61.22	*
809.9375	-13	-20	-71.00	*
971.9250	-13	-20	-74.13	*
1133.9125	-13	-20	*	*
1295.9000	-13	-20	*	*
1457.8875	-13	-20	*	*
1619.8750	-13	-20	*	*



* Figure 6G-3 – 28 Watts, 161.9875 MHz

* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

Transmitter Radiated Spurious Emissions: ELM Marlin**136.0125 MHz****1 Watts****Channel Spacing 25KHZ | S/N XG0AA00L**

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0250	-13	-20	-65.34	-69.71
408.0375	-13	-20	-69.03	*
544.0500	-13	-20	-75.20	*
680.0625	-13	-20	-78.04	*
816.0750	-13	-20	*	*
952.0875	-13	-20	*	*
1088.1000	-13	-20	*	*
1224.1125	-13	-20	*	*
1360.1250	-13	-20	*	*

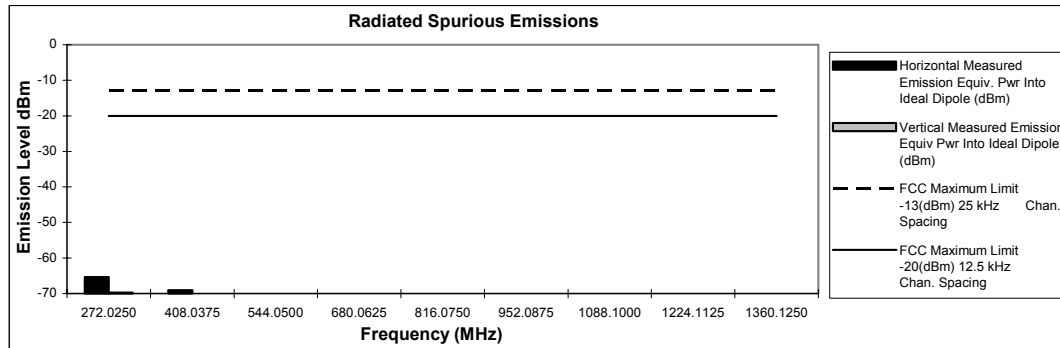


Figure 6G-4 – 1 Watts, 136.0125 MHz

Transmitter Radiated Spurious Emissions: ELM Marlin**146.0125 MHz****1 Watts****Channel Spacing 25KHZ | S/N XG0AA00L**

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
292.0250	-13	-20	-62.25	*
438.0375	-13	-20	*	*
584.0500	-13	-20	*	*
730.0625	-13	-20	*	*
876.0750	-13	-20	*	*
1022.0875	-13	-20	*	*
1168.1000	-13	-20	*	*
1314.1125	-13	-20	*	*
1460.1250	-13	-20	*	*

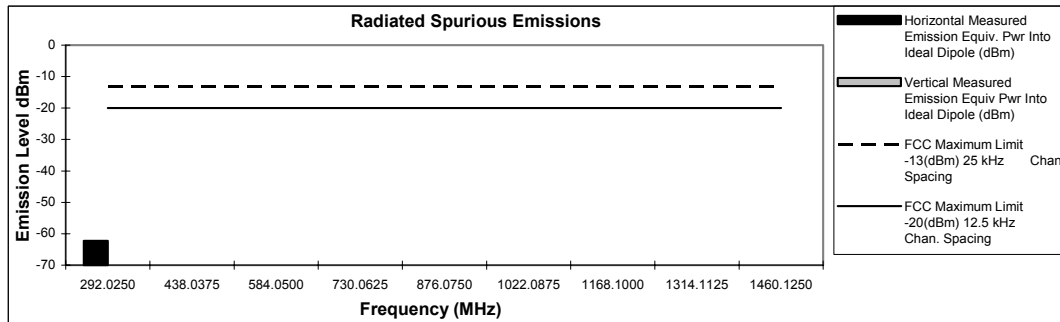
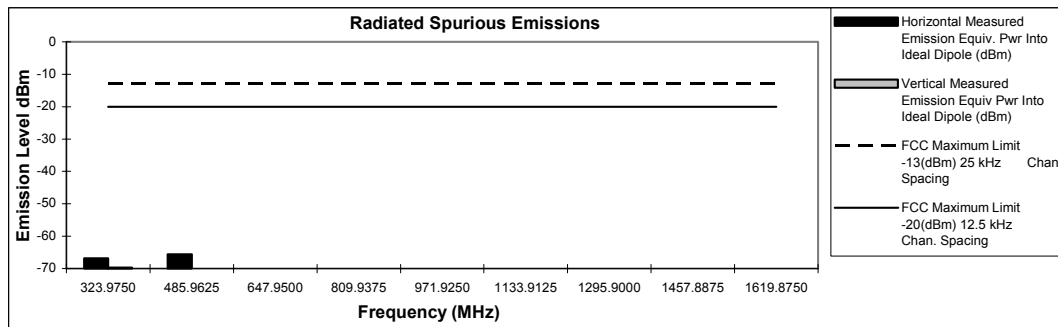


Figure 6G-5 – 1 Watts, 146.0125 MHz

*Indicates the spurious emission was less than -7

Transmitter Radiated Spurious Emissions: ELM Marlin**161.9875 MHz****1 Watts****Channel Spacing 25KHZ | S/N XG0AA00L**

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.9750	-13	-20	-66.82	-69.65
485.9625	-13	-20	-65.62	*
647.9500	-13	-20	-77.49	*
809.9375	-13	-20	*	*
971.9250	-13	-20	*	*
1133.9125	-13	-20	*	*
1295.9000	-13	-20	*	*
1457.8875	-13	-20	*	*
1619.8750	-13	-20	*	*



* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

Figure 6G-6 – 1 Watts, 161.9875 MHz

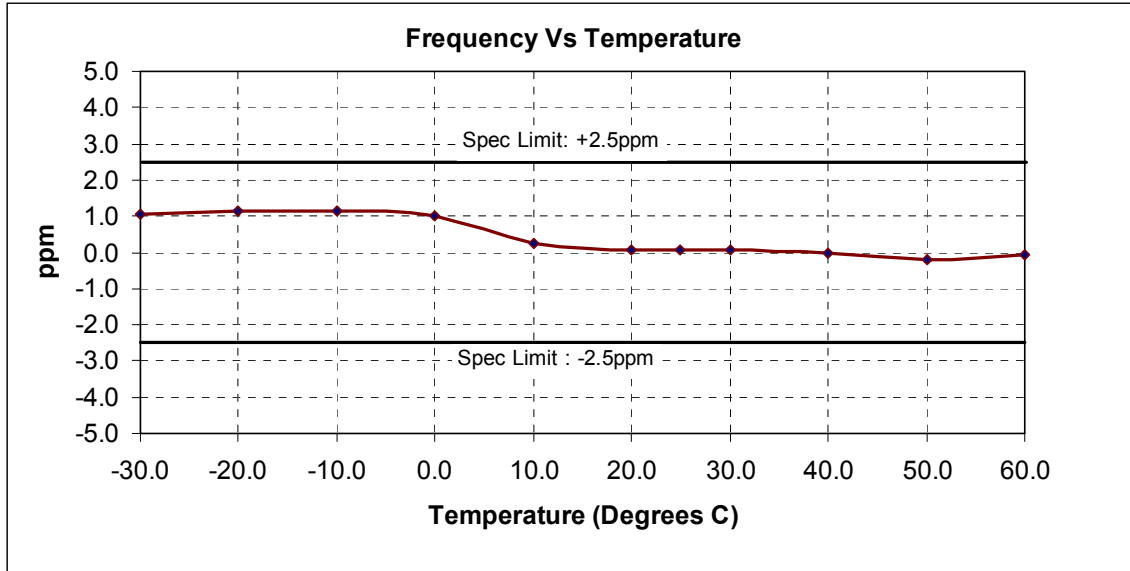
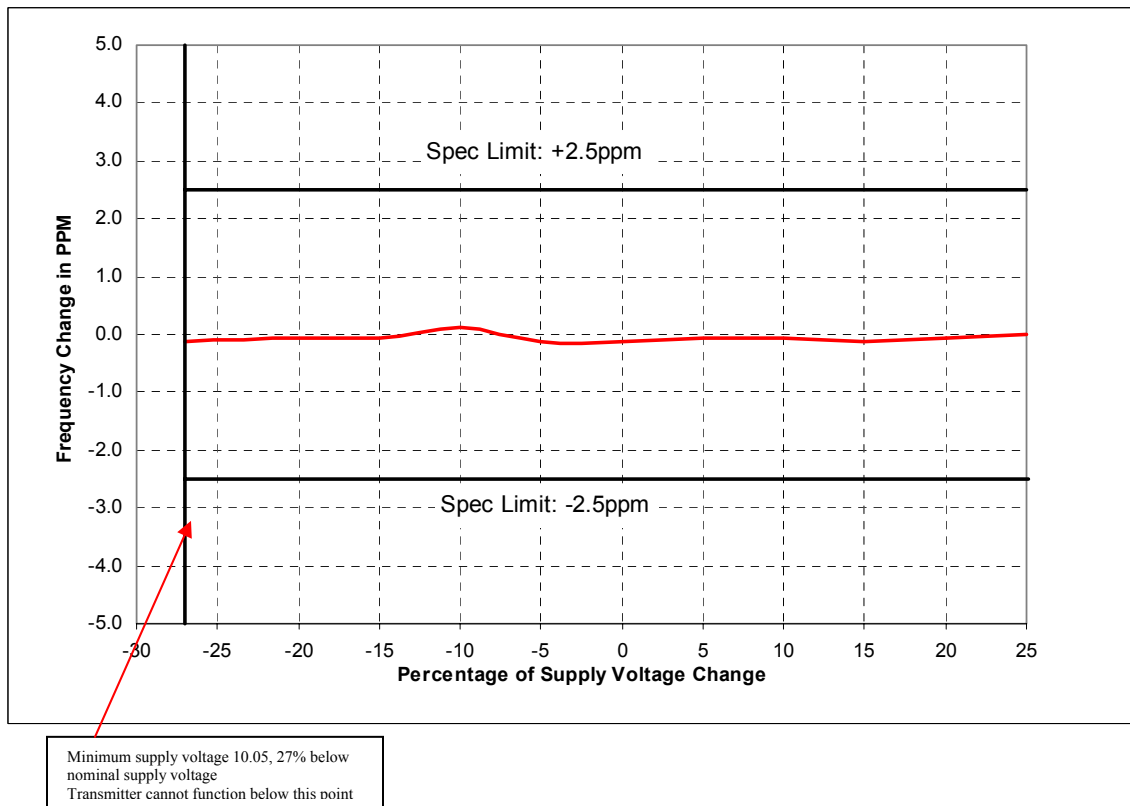
EXHIBIT 6H – Frequency Stability - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)**Figure 6H-1: Frequency Stability vs. Temperature****Figure 6H-2: Frequency Stability vs. Supply Voltage**

EXHIBIT 6I – Transient Frequency Behavior

Note: Measurement made at 149.00 MHz

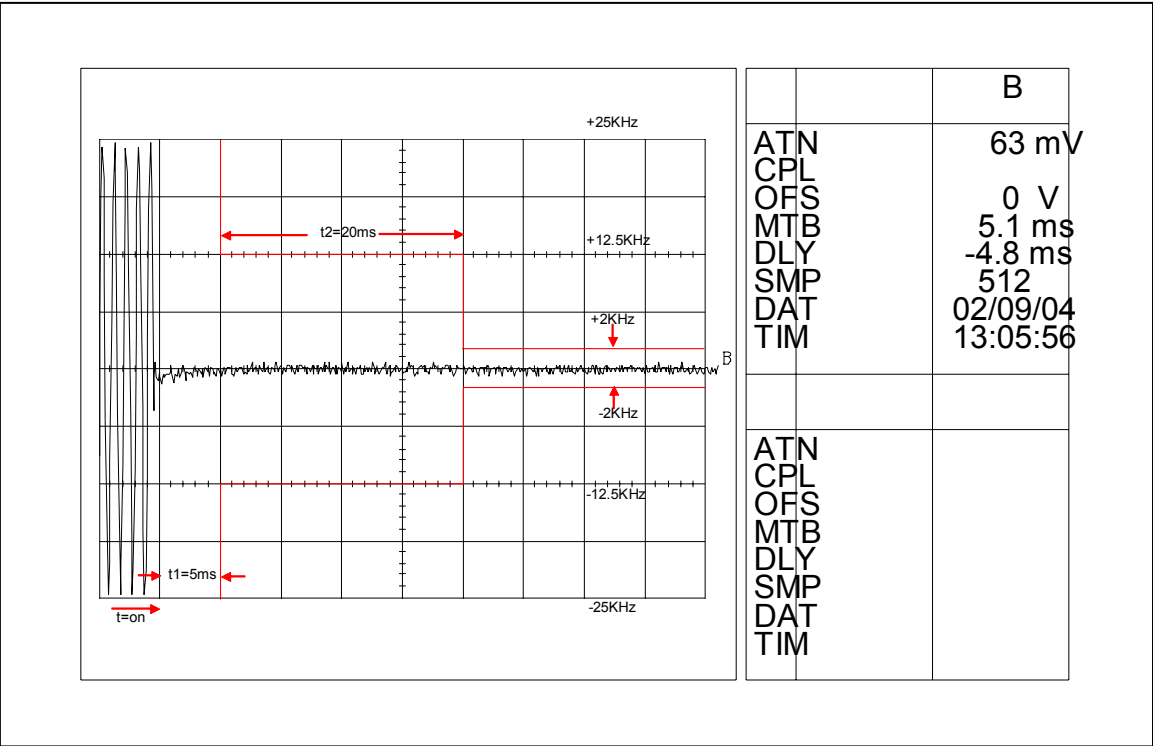


Figure 6I-1: 25 Watts, 12.5 KHz Key-Up Attack Time

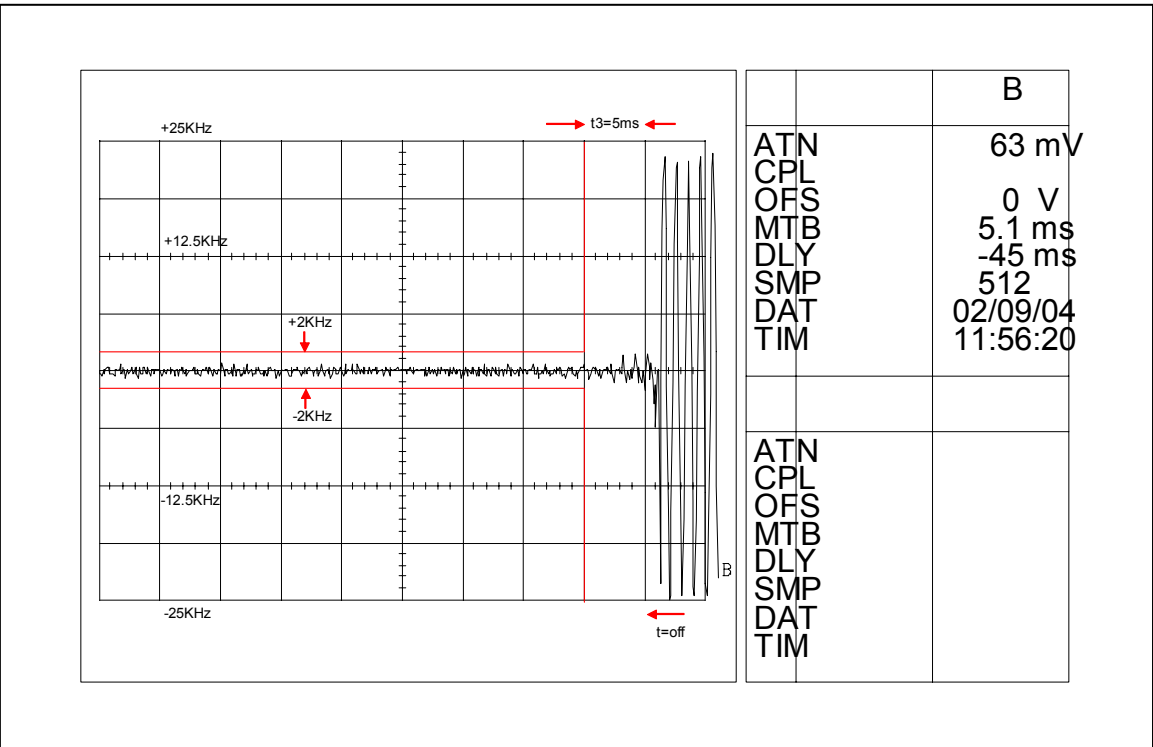


Figure 6I-2: 25 Watts, 12.5 KHz De-Key Decay Time

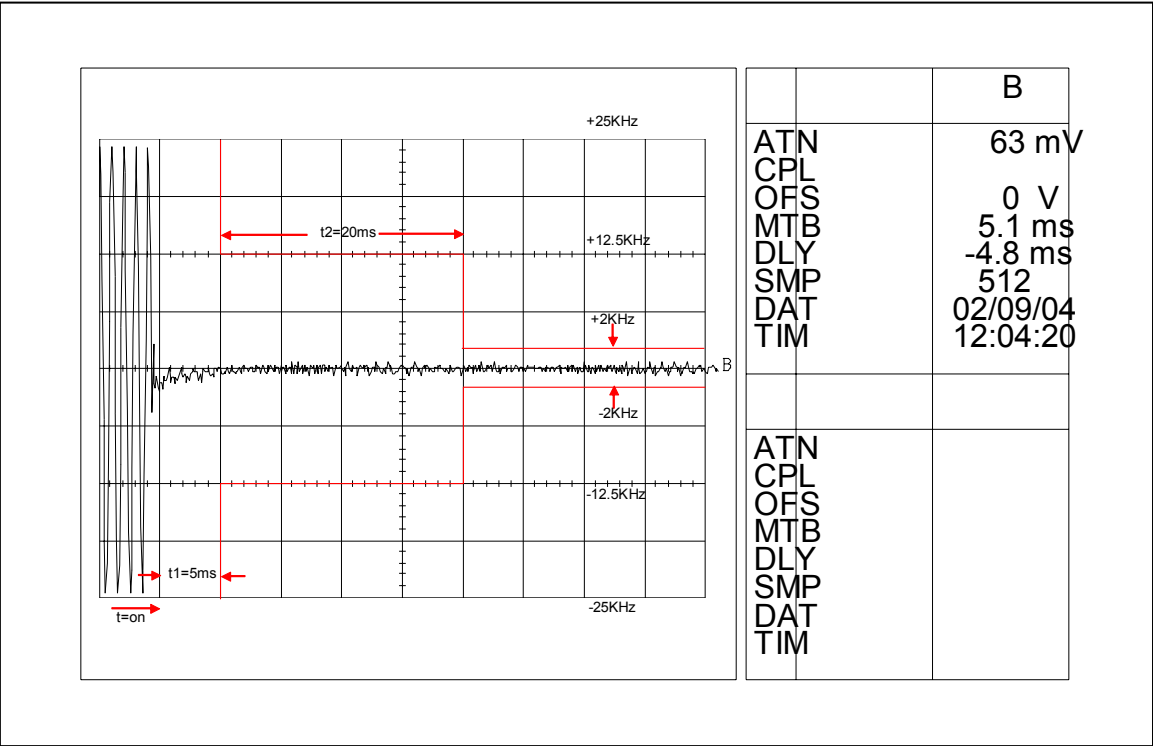


Figure 6I-3: 25 Watts, 25 KHz Key-Up Attack Time

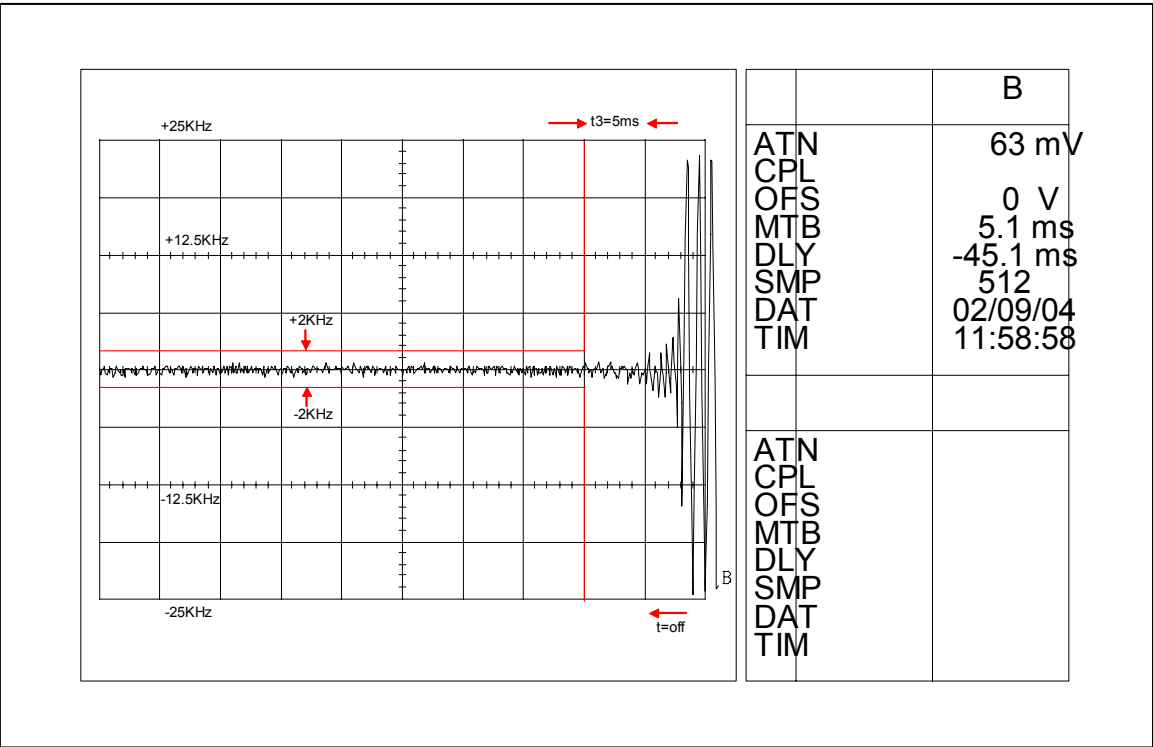


Figure 6I-4: 25 Watts, 25 KHz De-Key Decay Time

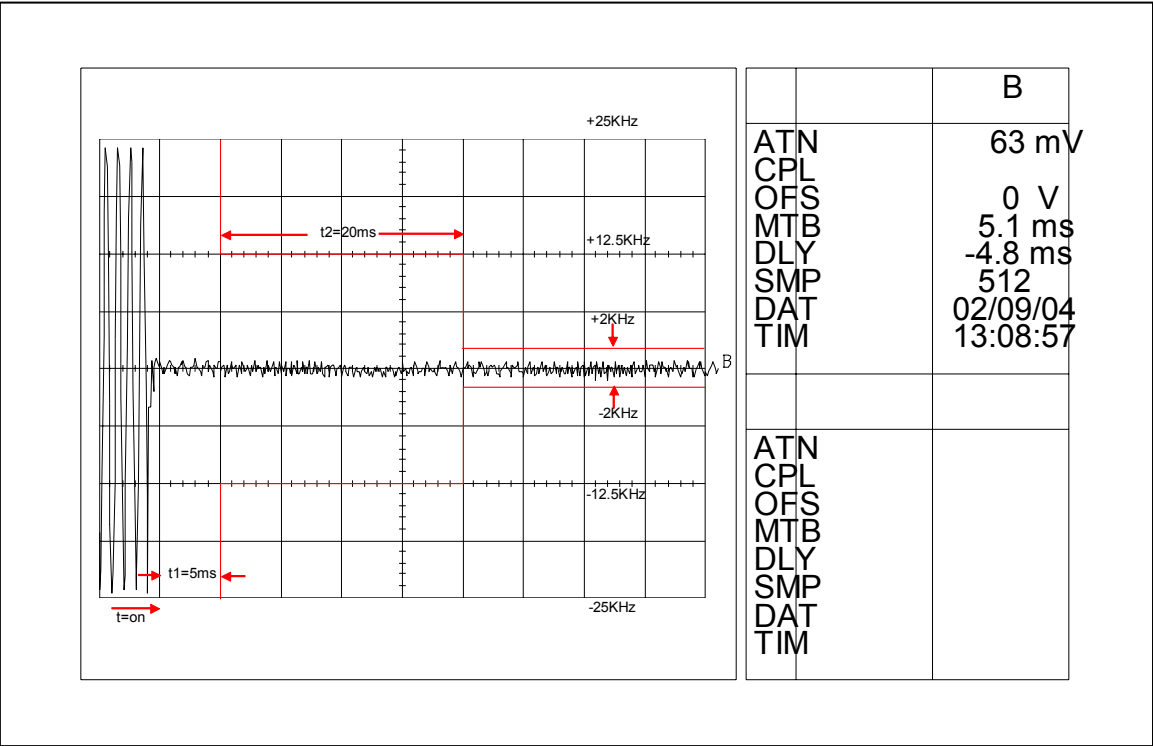


Figure 6I-5: 1 Watts, 12.5 KHz Key-Up Attack Time

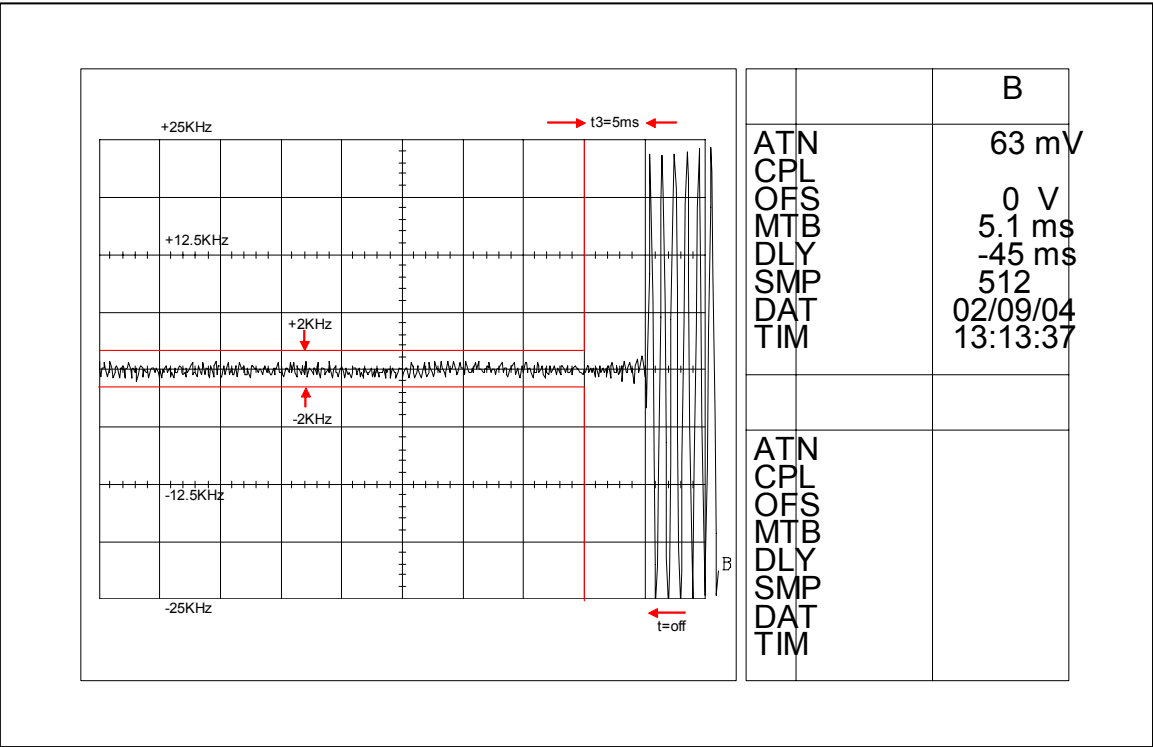


Figure 6I-6: 1 Watts, 12.5 KHz De-Key Decay Time

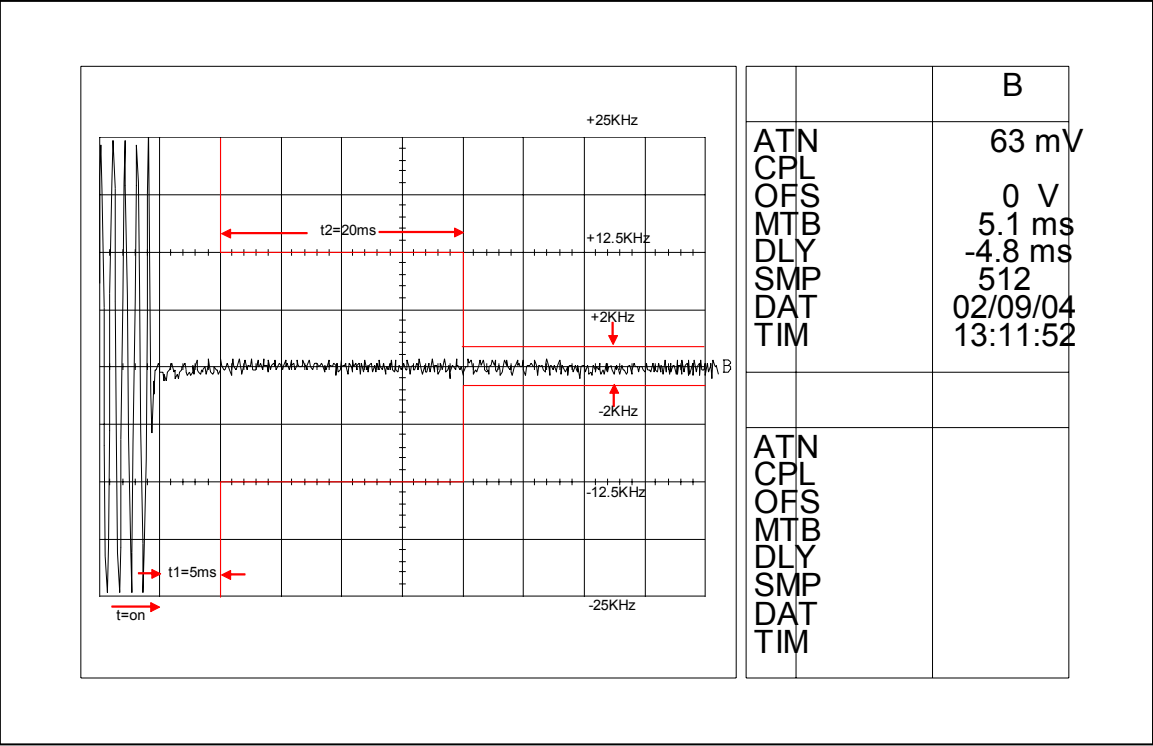


Figure 6I-7: 1 Watts, 25 KHz Key-Up Attack Time

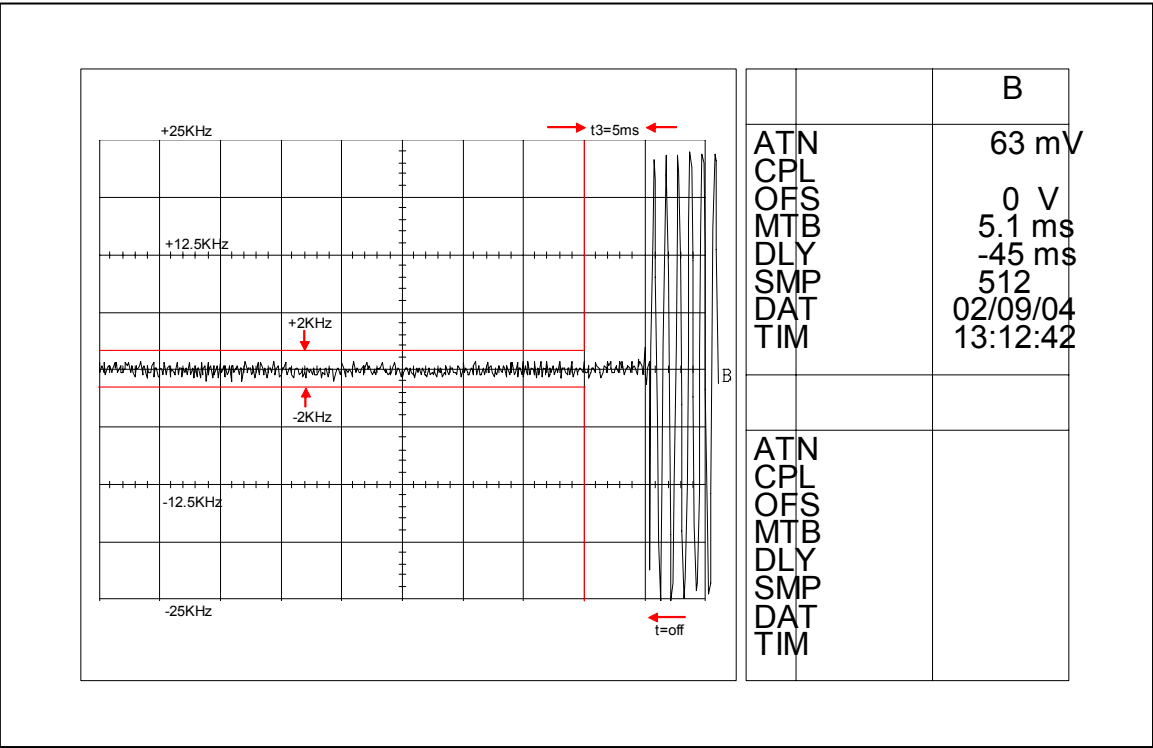


Figure 6I-8: 1 Watts, 25 KHz De-Key Decay Time