

EXHIBIT 6. Transmitter Measured Data – Pursuant 47 CFR 2.1033(c), 2.1041

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6A. RF Power Output Data – Pursuant 47 CFR 2.1033(c)8, 2.1046(a)

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

Range 1. Measured at 144.250 MHz.

At the minimum power setting:

Measured RF Output	4.46	Watts
Normal DC Voltage	13.8	Volts
Normal DC Current	2.56	Amps
Measured RF Input	12.4	dBm

At the maximum power setting:

Measured RF output	30.9	Watts
Normal DC Voltage	13.8	Volts
Normal DC Current	9.83	Amps
Measured RF Input	12.4	dBm

Range 2. Measured at 167.450 MHz.

At the minimum power setting:

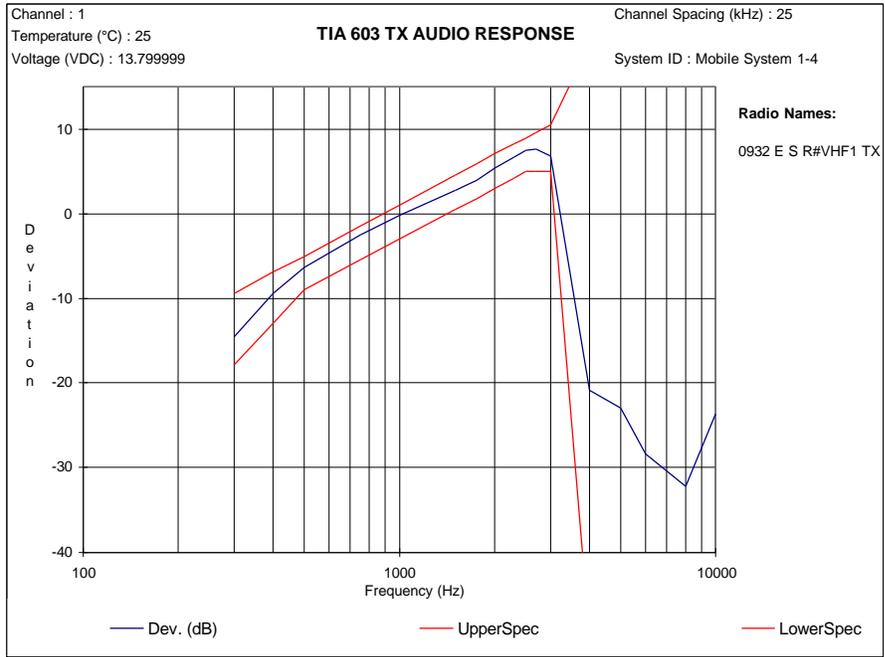
Measured RF output	5.12	Watts
Normal DC Voltage	13.8	Volts
Normal DC Current	3.10	Amps
Measured RF Input	11.7	dBm

At the maximum power setting:

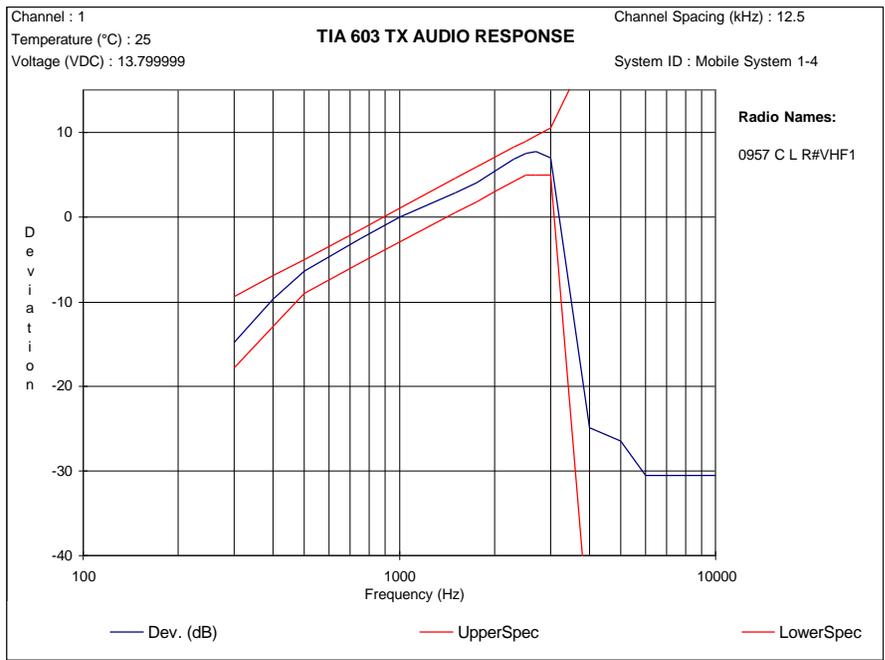
Measured RF output	30.9	Watts
Normal DC Voltage	13.8	Volts
Normal DC Current	7.13	Amps
Measured RF Input	12.4	dBm

6B-1. Audio Response – Pursuant 47 CFR 2.1033(c)14, 2.1047(a)

Range 1. 25 kHz channel spacing. Measured at 144.250 MHz.

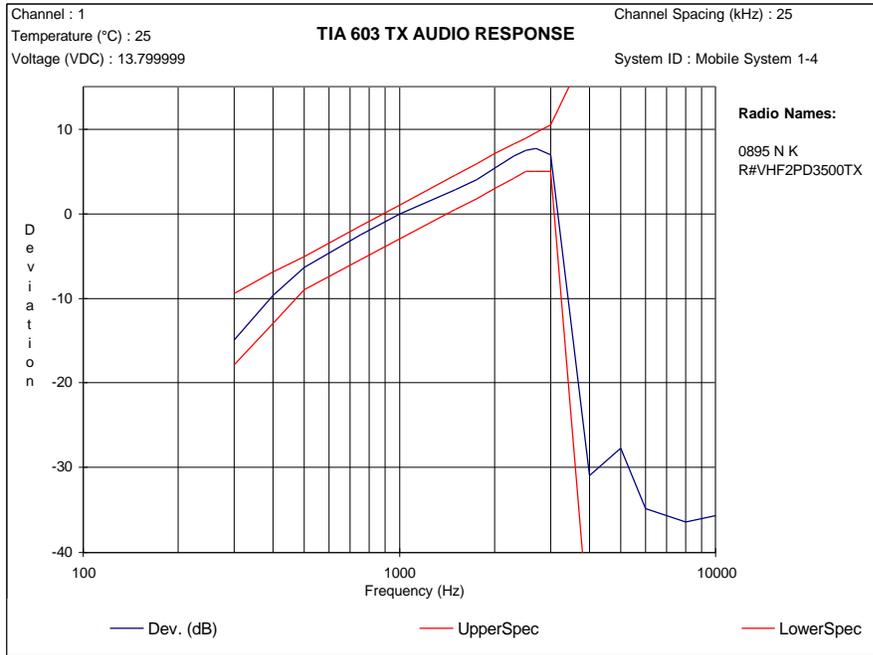


Range 1. 12.5 kHz channel spacing. Measured at 144.250 MHz.

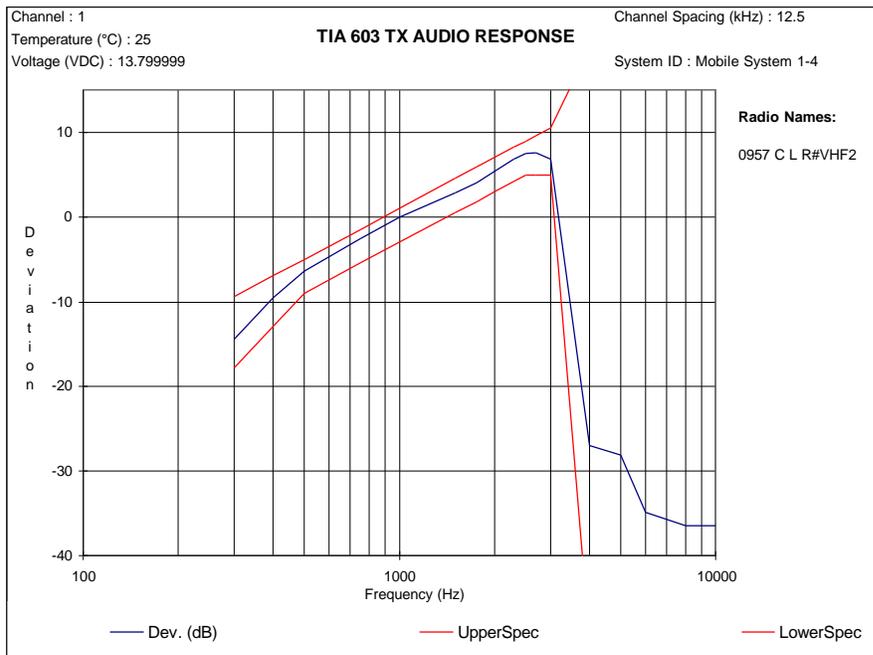


6B-1. Audio Response (cont.)

Range 2. 25 kHz channel spacing. Measured at 167.450 MHz.

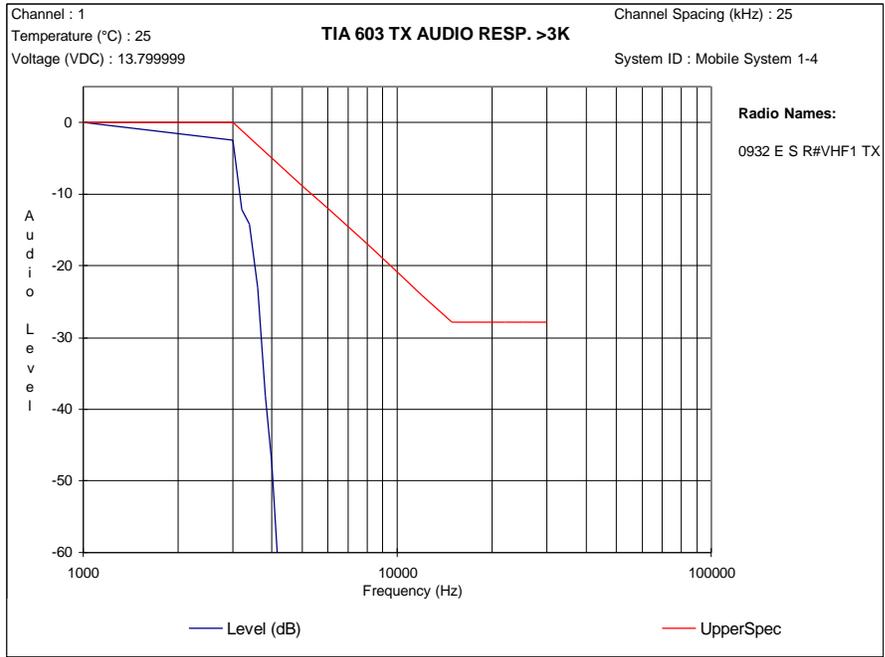


Range 2. 12.5 kHz channel spacing. Measured at 167.450 MHz.

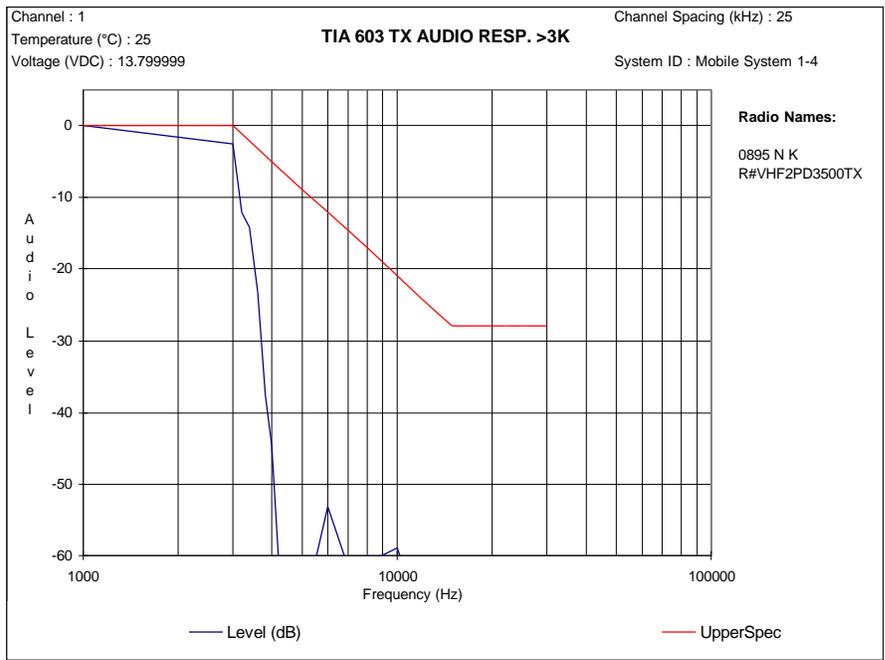


6B-2. Low Pass Filter Response – Pursuant 47 CFR 2.1033(c)14, 2.1047(a)

Range 1. Measured at 144.250 MHz.

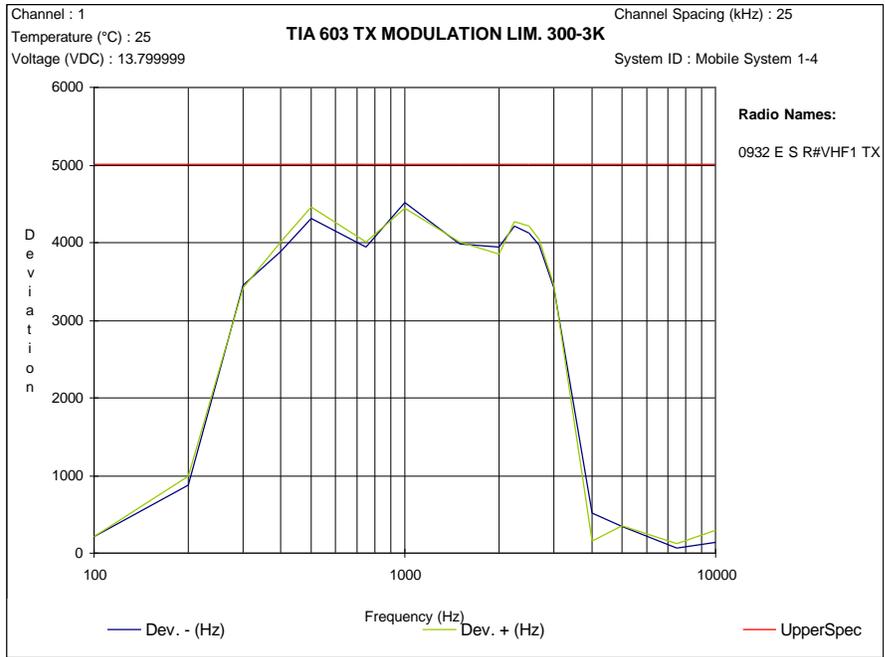


Range 2. Measured at 167.450 MHz.

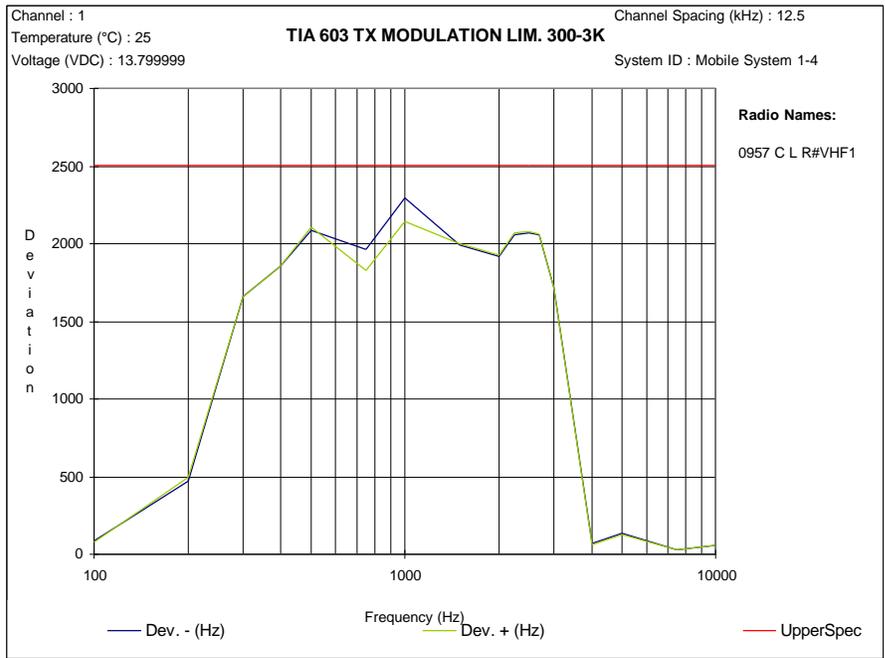


6B-3. Modulation Limiting versus Frequency – Pursuant 47 CFR 2.1033(c)14, 2.1047(b)

Range 1. 25 kHz channel spacing. Measured at 144.250 MHz.

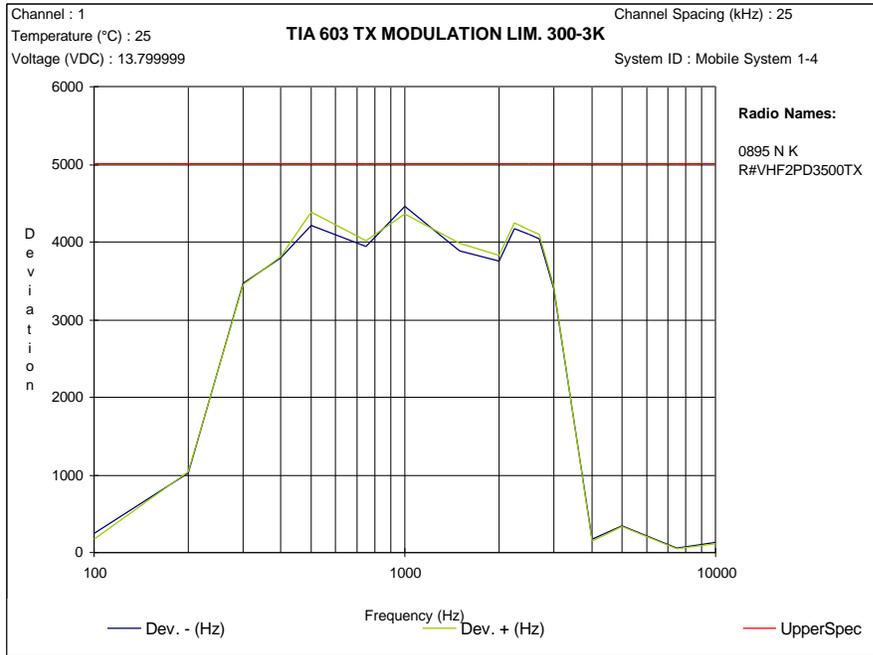


Range 1. 12.5 kHz channel spacing. Measured at 144.250 MHz.

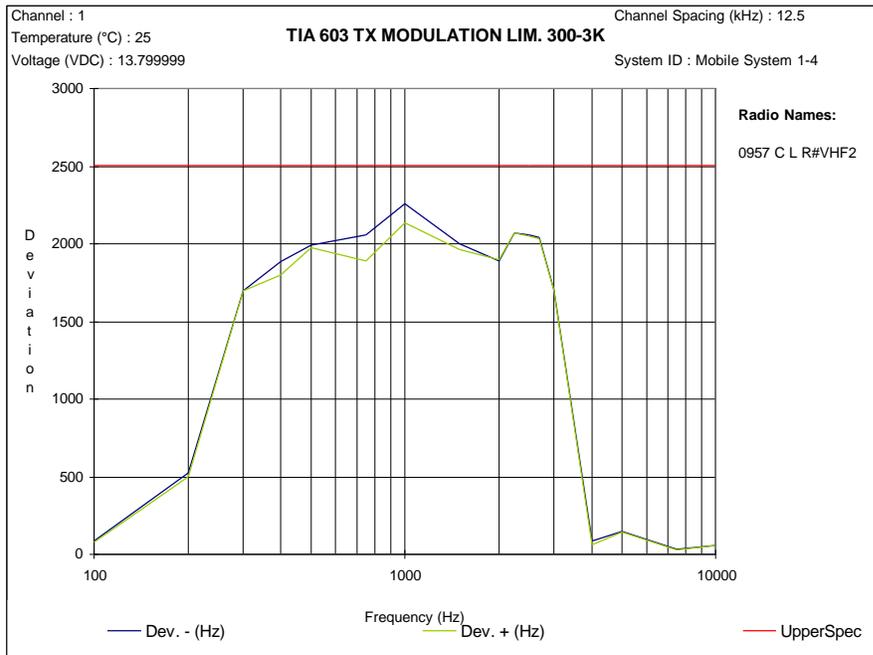


6B-3. Modulation Limiting vs. Frequency (cont.)

Range 2. 25 kHz channel spacing. Measured at 167.450 MHz.

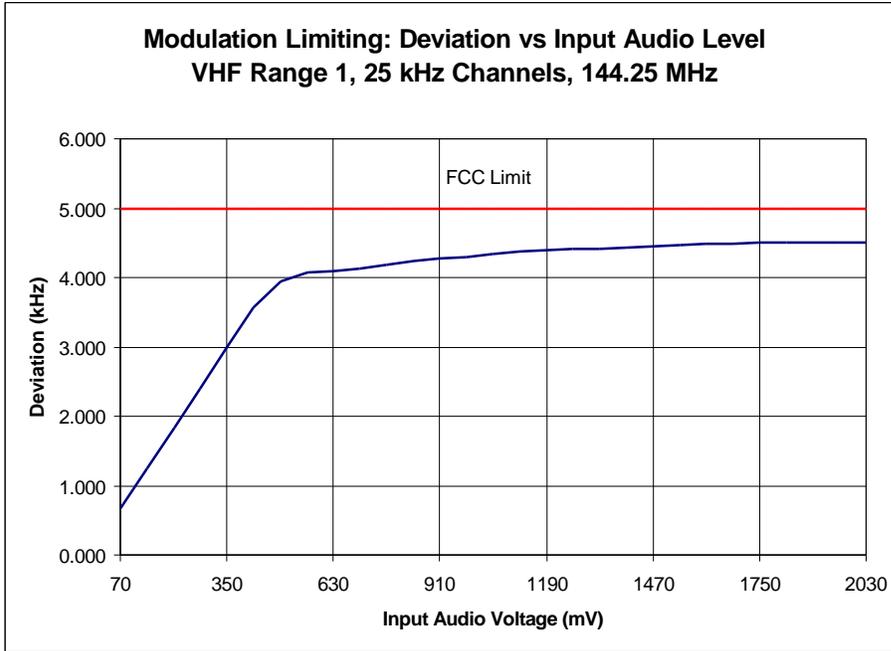


Range 2. 12.5 kHz channel spacing. Measured at 167.450 MHz.

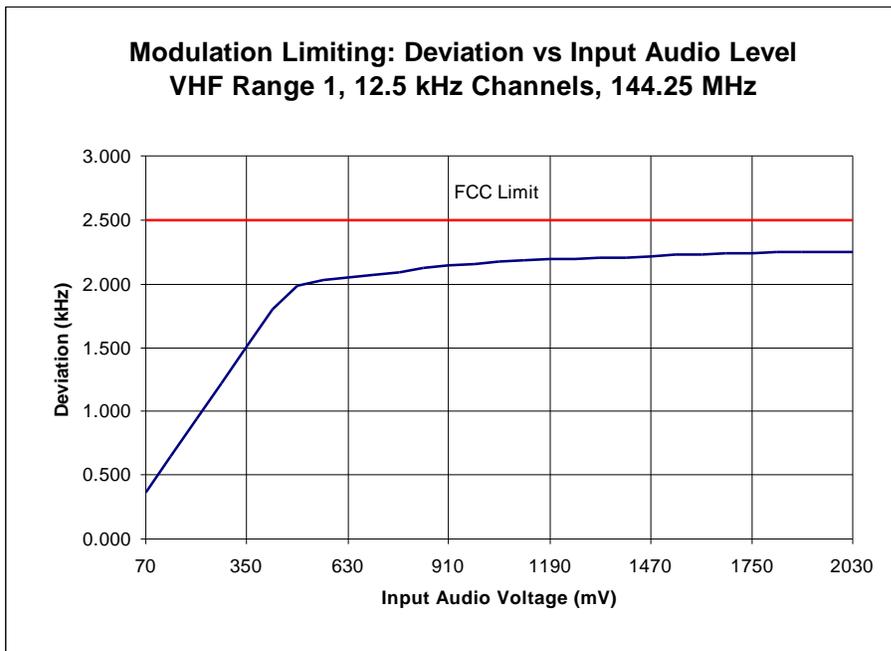


6B-4. Modulation Limiting vs. Audio Level – Pursuant 47 CFR 2.1033(c)14, 2.1047(b)

Range 1. 25 kHz channel spacing. Measured at 144.250 MHz.

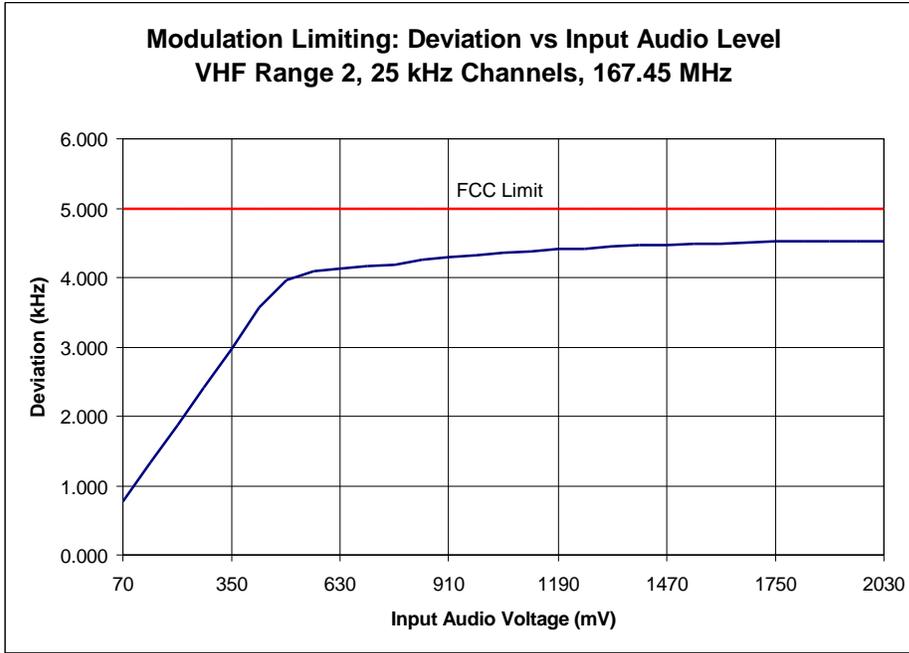


Range 1. 12.5 kHz channel spacing. Measured at 144.250 MHz.

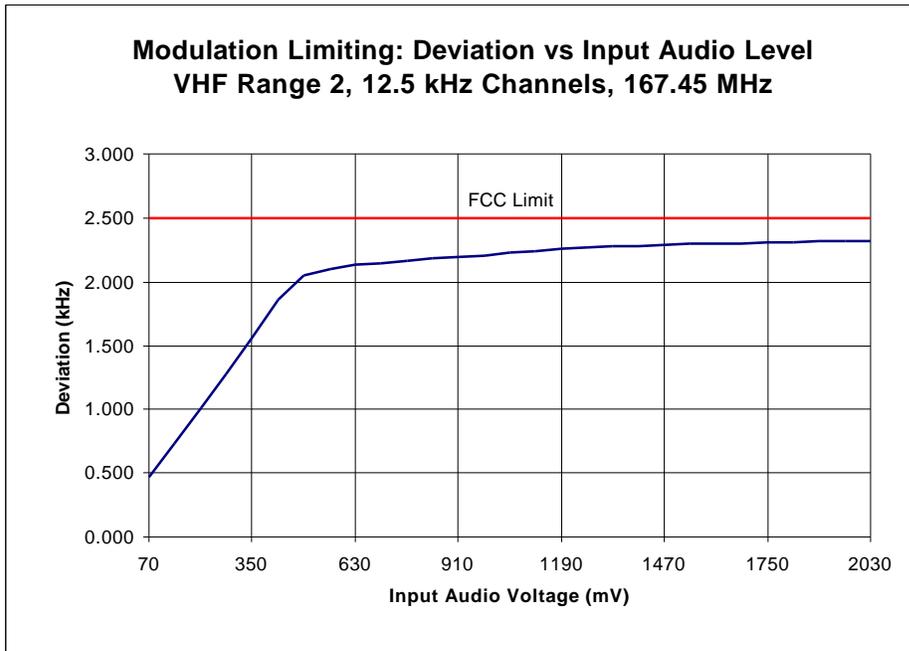


6B-4. Modulation Limiting vs. Audio Level (cont.)

Range 2. 25 kHz channel spacing. Measured at 167.450 MHz.



Range 2. 12.5 kHz channel spacing. Measured at 167.450 MHz.



6C. Occupied Bandwidth – Pursuant 47 CFR 2.1033(c),14, 2.1049**Bandwidth Calculations**

Carson's Rule for FM modulation is utilized to compute the bandwidth shown in the FCC emission designator for each type of modulation employed by the product. Carson's Rule is

$$BW = 2 * (M+D) \quad \text{where} \quad \begin{array}{l} BW = \text{Required bandwidth} \\ M = \text{Maximum modulating frequency} \\ D = \text{Deviation} \end{array}$$

Shown below are the calculations required for FCC ID: AZ492FT3800.

EXHIBIT 6C-1: 25 kHz Channel Spacing, Voice (2500 Hz Audio Tone)
Emission Designator: 16K0F3E

This modulation represents voice and so is band-limited to below 3 kHz by a bandpass filter. Therefore the maximum modulating frequency is 3 kHz with a 5 kHz deviation.

$$BW = 2 * (M + D) = 2 * (3 \text{ kHz} + 5 \text{ kHz}) = 16 \text{ kHz} \rightarrow 16K0$$

The modulation is a single FM voice channel, so the rest of the designator is F3E.

Therefore, the entire designator for 25 kHz channelization analog voice is 16K0F3E.

EXHIBIT 6C-2: 12.5 kHz Channel Spacing, Voice (2500 Hz Audio Tone)
Emission Designator: 11K0F3E

This modulation represents voice and so is band-limited to below 3 kHz by a bandpass filter. Therefore the maximum modulating frequency is 3 kHz with a 2.5 kHz deviation.

$$BW = 2 * (M + D) = 2 * (3 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz} \rightarrow 11K0$$

The modulation is a single FM voice channel, so the rest of the designator is F3E.

Therefore, the entire designator for 25 kHz channelization analog voice is 11K0F3E.

EXHIBIT 6C-3: 25/12.5 kHz Channel Spacing, Digital Voice (Digitized 2500 Hz Audio Tone)
Emission Designator: 8K10F1E

Calculation of the necessary bandwidth with the formula in Part 2.202(g) Table III A, 1, using the suggested value of K=1.2, results in an excessive value. Therefore, the necessary bandwidth was measured empirically per Part 2.202(c)(4) using the 99% energy rule (ref Part 2.1049), which produces a more accurate result than Carson's Rule. The 99% rule states that the necessary bandwidth of a signal is the bandwidth within which 99% of the signal's energy is found. The test was performed in accordance with TIA/EIA IS-102.CAAA 2.2.5.2. The resulting necessary bandwidth is 8.10 kHz. This bandwidth is the same for 25 kHz and 12.5 kHz channel spacing, since the same digital modulation scheme, including deviation levels, is used for both. Emission mask D is used on the graph, as prescribed by TIA/EIA IS-102.CAAB 3.2.5.1.

The modulation is a single FM digital voice channel, so the rest of the designator is F1E.

Therefore, the entire designator for 25 kHz and 12.5 kHz channelization digital voice is 8K10F1E.

6C. Occupied Bandwidth (cont.)EXHIBIT 6C-4: 25/12.5 kHz Channel Spacing, Digital Data (9600 bps Random Data)

Emission Designator: 8K10F1D

Calculation of the necessary bandwidth with the formula in Part 2.202(g) Table III A, 1, using the suggested value of $K=1.2$, yields an excessive result. Therefore, the necessary bandwidth was measured empirically per Part 2.202(c)(4) using the 99% energy rule (ref Part 2.1049), which produces a more accurate result than Carson's Rule. The 99% rule states that the necessary bandwidth of a signal is the bandwidth within which 99% of the signal's energy is found. The test was performed in accordance with TIA/EIA IS-102.CAAA 2.2.5.2. The resulting necessary bandwidth is 8.10 kHz. This bandwidth is the same for 25 kHz and 12.5 kHz channel spacing, since the same digital modulation scheme, including deviation levels, is used for both. Emission mask D is used on the graph, as prescribed by TIA/EIA IS-102.CAAB 3.2.5.1.

The modulation is a single FM digital data channel, so the rest of the designator is F1D.

Therefore, the entire designator for 25 kHz and 12.5 kHz channelization digital data is 8K10F1D.

Note: The 90.203(j)(3) efficiency standard for F1D emissions is met by sending 2 bits/ baud at 4800 baud/second. This results in the transmission of 9600 bits/second. The modulation technique involves applying one of 4 deviation levels to the carrier at a rate of 4800 symbols/second, where each symbol represents two bits. The 4 symbols of the C4FM scheme are shown in the following table.

<u>Information Bits</u>	<u>Symbol</u>	<u>C4FM Deviation</u>
01	+3	+1.8 kHz
00	+1	+0.6 kHz
10	-1	-0.6 kHz
11	-3	-1.8 kHz

Since these symbols are sent via Frequency-Shift-Keying at a rate of 4800 symbols/second, 9600 bits/second of data are transmitted on a 12.5 kHz channel, which is equivalent to 4800 bits/second per 6.25 kHz of bandwidth.

EXHIBIT 6C-5: 25 kHz Channel Spacing, Digital Voice Encryption (Securenet)

Emission Designator: 20K0F1E

Voice encryption is transmitted at 12 kbps (one bit per baud) which results in a 6 kHz maximum modulation frequency. The standard voice deviation of this modulation scheme is 4 kHz.

$$BW = 2 * (M + D) = 2 * (6 \text{ kHz} + 4 \text{ kHz}) = 20 \text{ kHz} \rightarrow 20K0$$

The modulation is a single FM digital voice channel, so the rest of the designator is F1E.

Therefore, the entire designator for 25 kHz channelization digital analog voice is 20K0F1E.

Note: This modulation scheme is never used in 12.5 kHz channel spacing.

Note: The F1D and F1E signals are generated as follows: The modulation is 4-level FSK with +/-600 Hz and +/-1.8 kHz shifting (these discrete deviation levels are used as symbols). The digital voice test pattern is created by encoding a 2500 Hz sine wave injected at a level 16dB above that required to produce 50% deviation at the radio output, as measured in the analog mode. The digital data test signal is an internally-generated pseudo-random test pattern as described in TIA/EIA IS-102.CAAA 1.3.4.3.

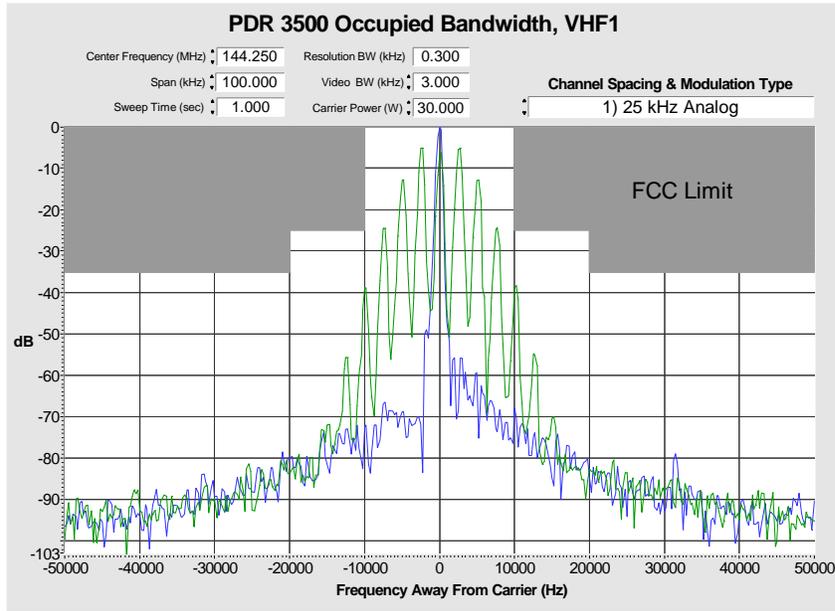
6C-1. Occupied Bandwidth – 25 kHz Audio – Pursuant 2.1049(c)(1)

Range 1. High power. Measured at 144.250 MHz and 30 W.

Modulation: Voice (2500 Hz Audio Tone)

Modulation Designator: 16K0F3E

Channelization: 25 kHz (Mask B)

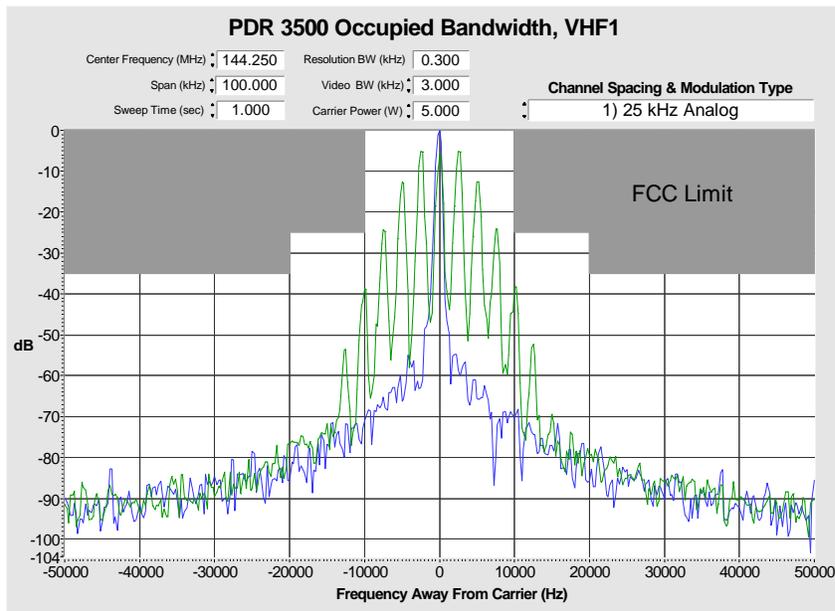


Range 1. Low Power. Measured at 144.250 MHz and 5 W.

Modulation: Voice (2500 Hz Audio Tone)

Modulation Designator: 16K0F3E

Channelization: 25 kHz (Mask B)



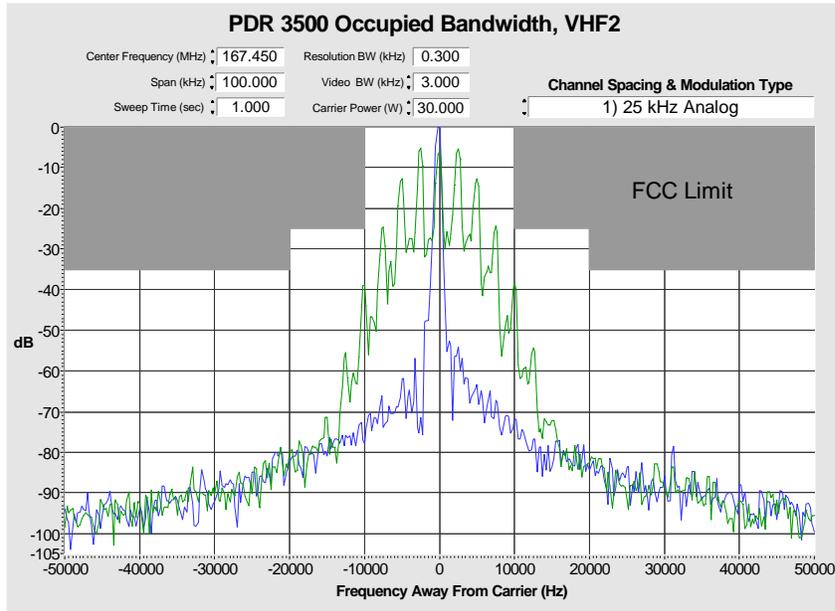
6C-1. Occupied Bandwidth – 25 kHz Audio (cont.)

Range 2. High power. Measured at 167.450 MHz and 30 W.

Modulation: Voice (2500 Hz Audio Tone)

Modulation Designator: 16K0F3E

Channelization: 25 kHz (Mask B)

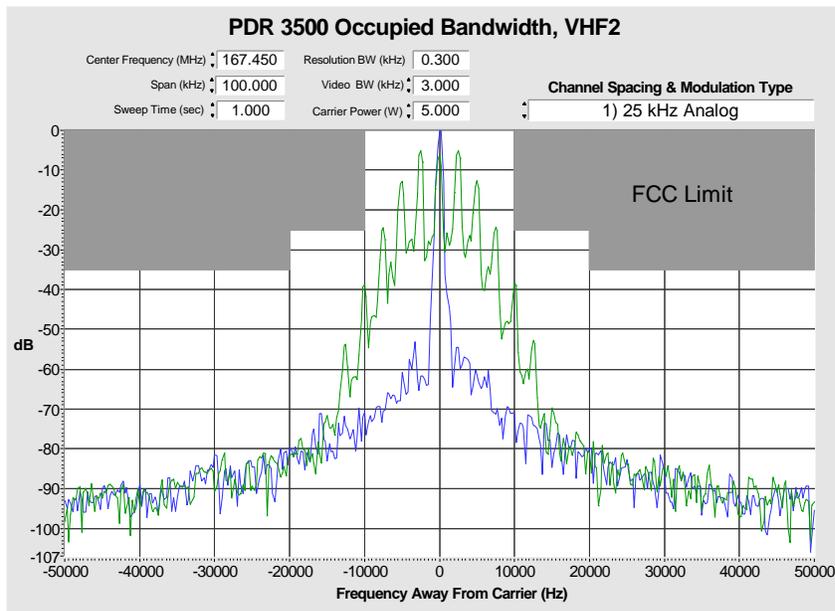


Range 2. Low power. Measured at 167.450 MHz and 5 W.

Modulation: Voice (2500 Hz Audio Tone)

Modulation Designator: 16K0F3E

Channelization: 25 kHz (Mask B)



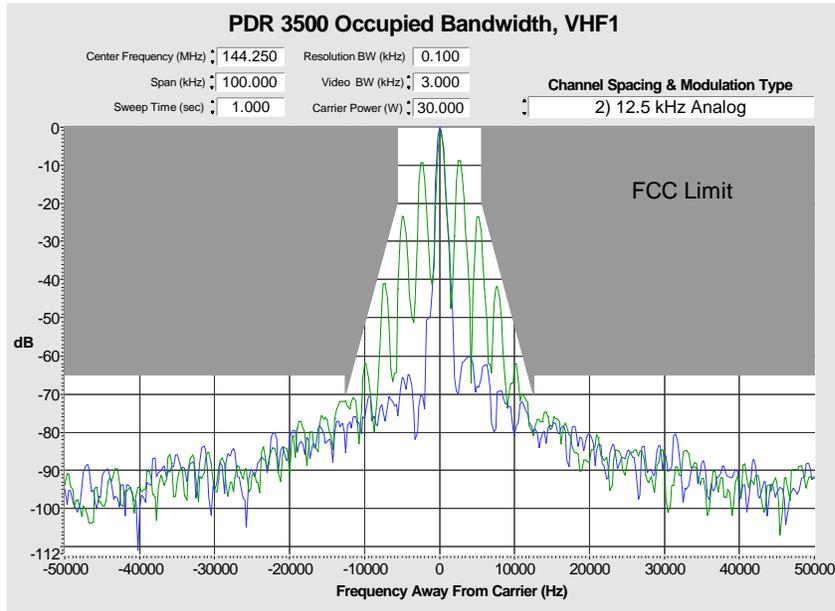
6C-2. Occupied Bandwidth – 12.5 kHz Audio – Pursuant 2.1049(c)(1)

Range 1. High power. Measured at 144.250 MHz and 30 W.

Modulation: Voice (2500 Hz Audio Tone)

Modulation Designator: 11K0F3E

Channelization: 12.5 kHz (Mask D)

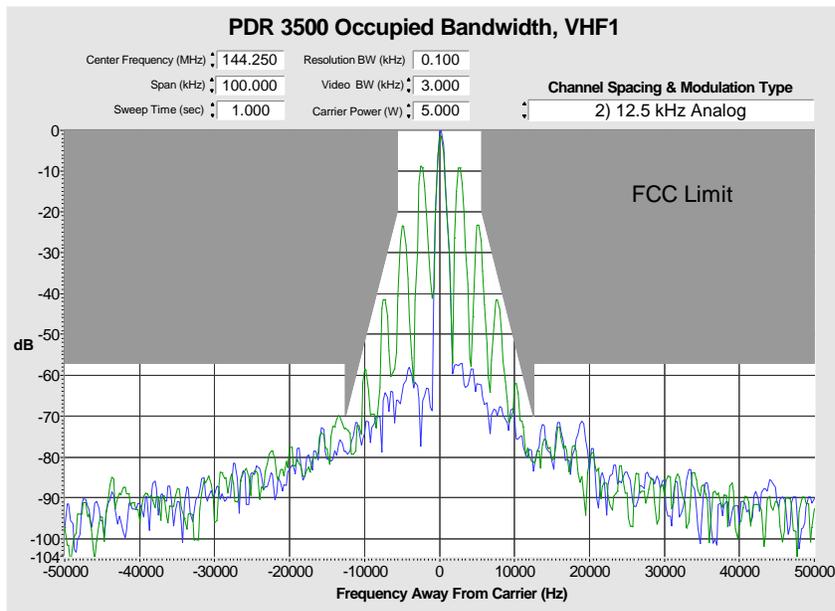


Range 1. Low power. Measured at 144.250 MHz and 5 W.

Modulation: Voice (2500 Hz Audio Tone)

Modulation Designator: 11K0F3E

Channelization: 12.5 kHz (Mask D)



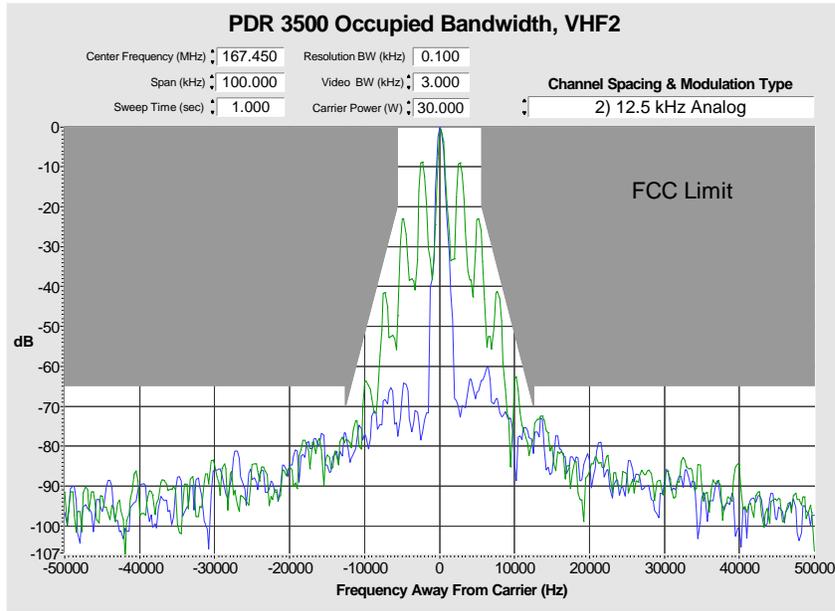
6C-2. Occupied Bandwidth – 12.5 kHz Audio (cont.)

Range 2. High power. Measured at 167.450 MHz and 30 W.

Modulation: Voice (2500 Hz Audio Tone)

Modulation Designator: 11K0F3E

Channelization: 12.5 kHz (Mask D)

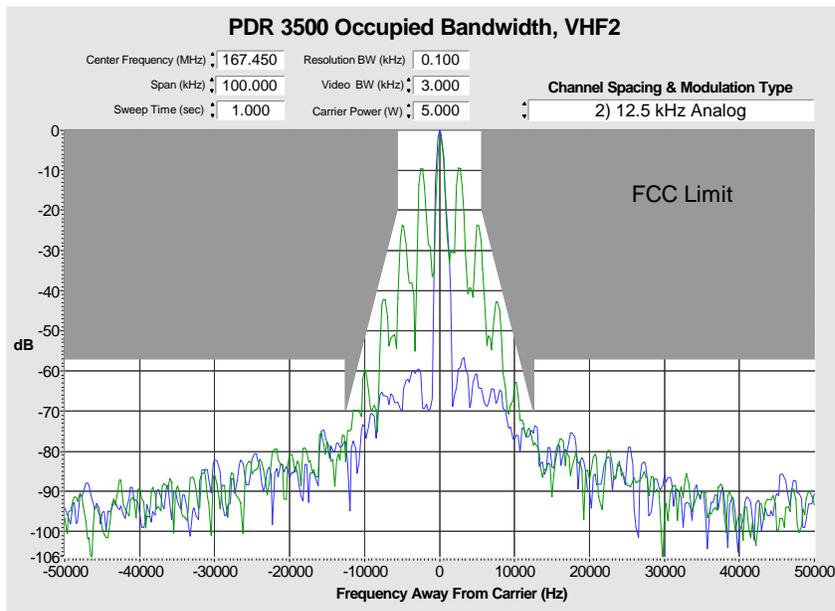


Range 2. Low power. Measured at 167.450 MHz and 5 W.

Modulation: Voice (2500 Hz Audio Tone)

Modulation Designator: 11K0F3E

Channelization: 12.5 kHz (Mask D)



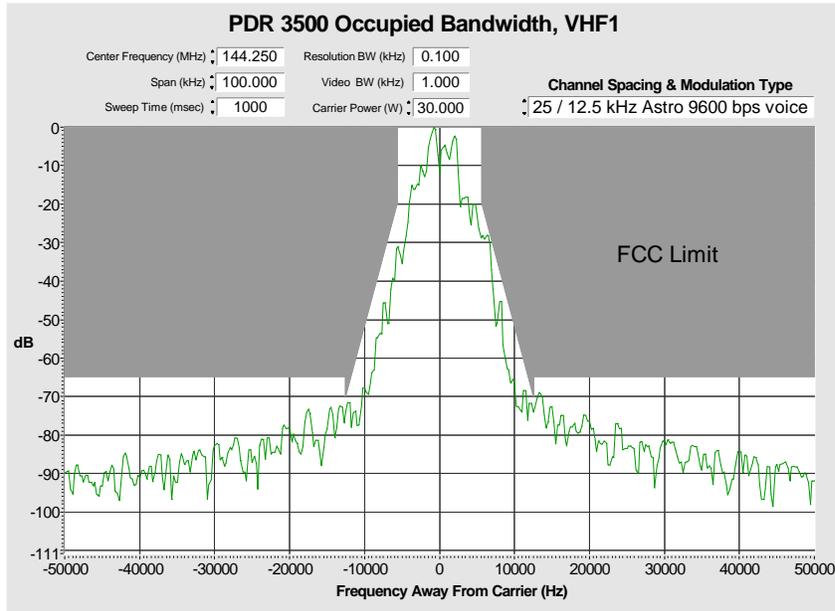
6C-3. Occupied Bandwidth – 25/12.5 kHz 9600 bps Digital Voice – Pursuant 2.1049(h)

Range 1. High power. Measured at 144.250 MHz and 30 W.

Modulation: 9600 bps Digital Voice (Digitized 2500 Hz Audio Tone)

Modulation Designator: 8K10F1E

Channelization: 25 kHz / 12.5 kHz (Mask D)

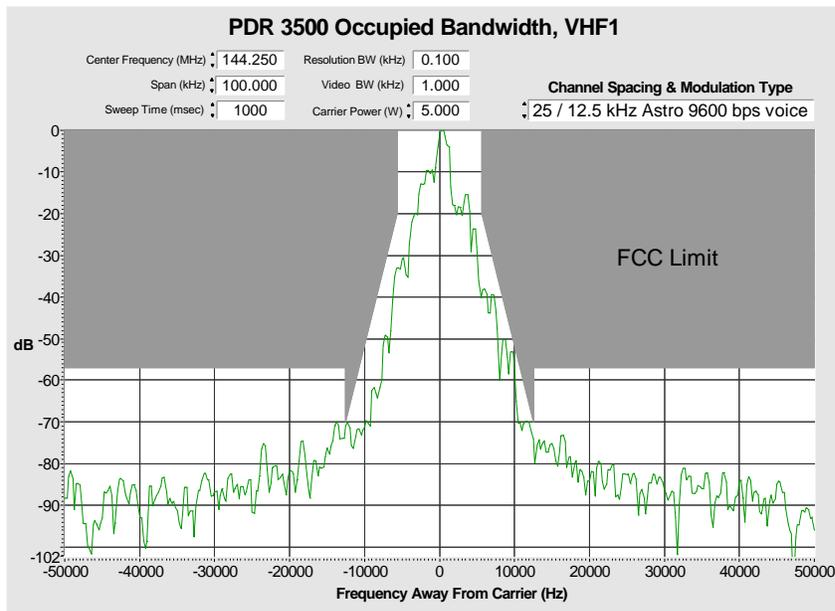


Range 1. Low power. Measured at 144.250 MHz and 5 W.

Modulation: 9600 bps Digital Voice (Digitized 2500 Hz Audio Tone)

Modulation Designator: 8K10F1E

Channelization: 25 kHz / 12.5 kHz (Mask D)



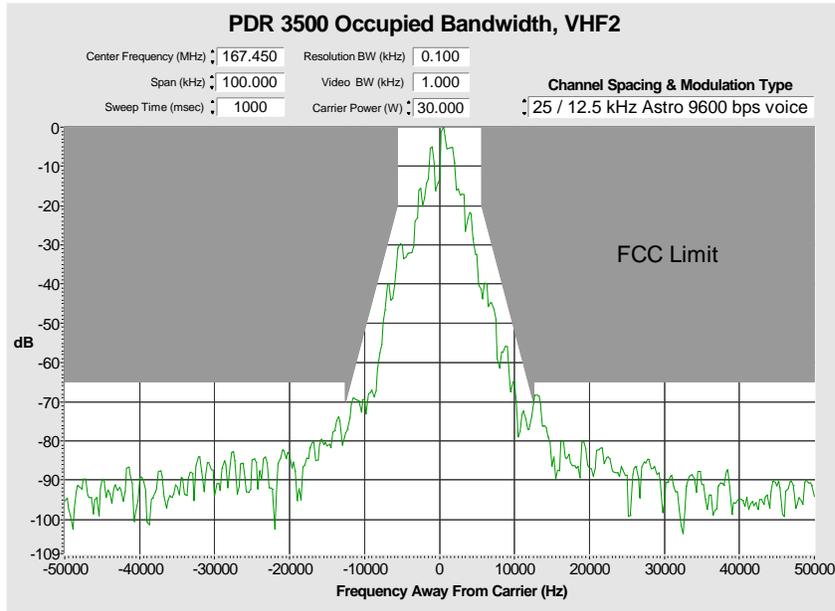
6C-3. Occupied Bandwidth – 25/12.5 kHz 9600 bps Digital Voice (cont.)

Range 2. High power. Measured at 167.450 MHz and 30 W.

Modulation: 9600 bps Digital Voice (Digitized 2500 Hz Audio Tone)

Modulation Designator: 8K10F1E

Channelization: 25 kHz / 12.5 kHz (Mask D)

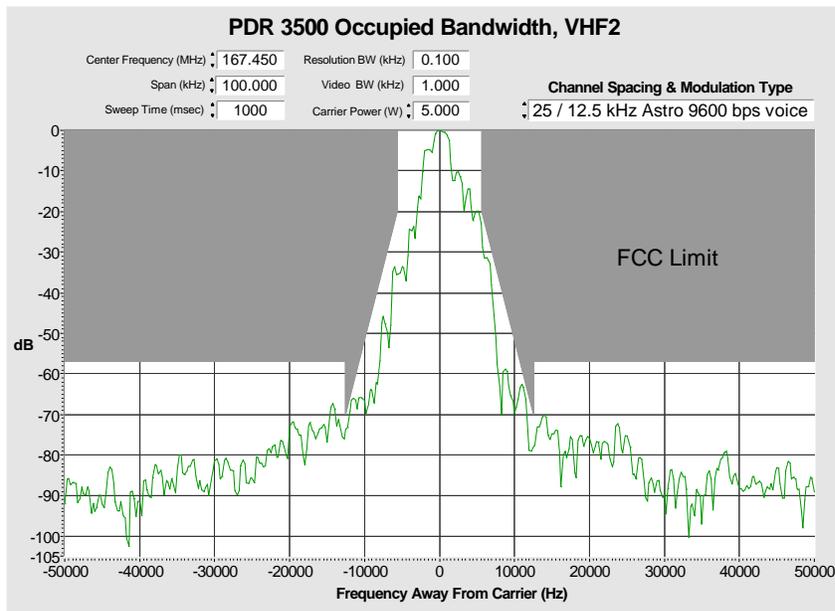


Range 2. Low power. Measured at 167.450 MHz and 5 W.

Modulation: 9600 bps Digital Voice (Digitized 2500 Hz Audio Tone)

Modulation Designator: 8K10F1E

Channelization: 25 kHz / 12.5 kHz (Mask D)



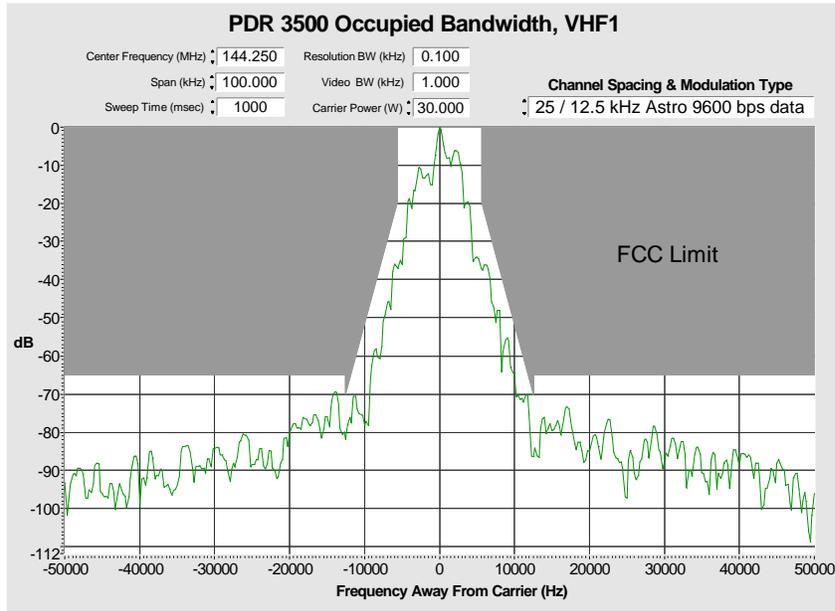
6C-4. Occupied Bandwidth – 25/12.5 kHz 9600 bps Digital Data – Pursuant 2.1049(h)

Range 1. High power. Measured at 144.250 MHz and 30 W.

Modulation: 9600 bps Digital Data (Psuedo-Random Test Pattern)

Modulation Designator: 8K10F1D

Channelization: 25 kHz / 12.5 kHz (Mask D)

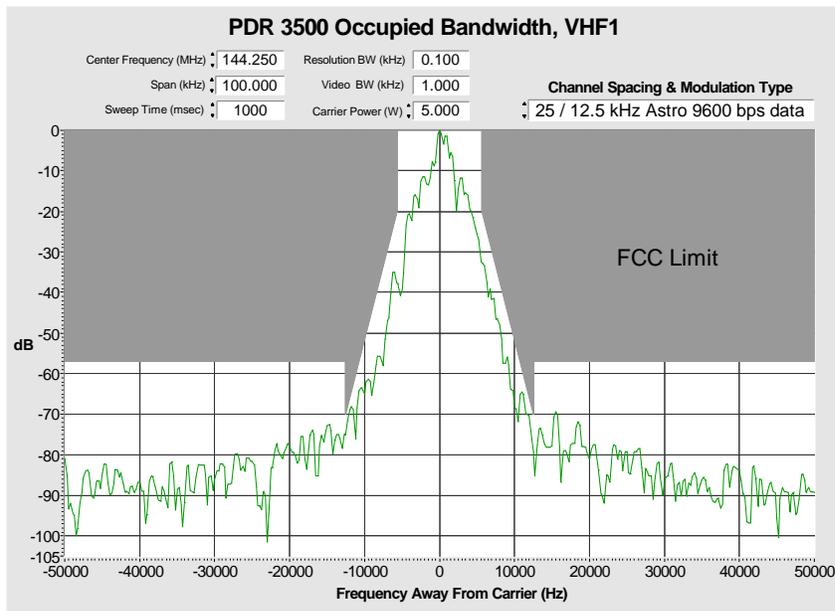


Range 1. Low power. Measured at 144.250 MHz and 5 W.

Modulation: 9600 bps Digital Data (Psuedo-Random Test Pattern)

Modulation Designator: 8K10F1D

Channelization: 25 kHz / 12.5 kHz (Mask D)



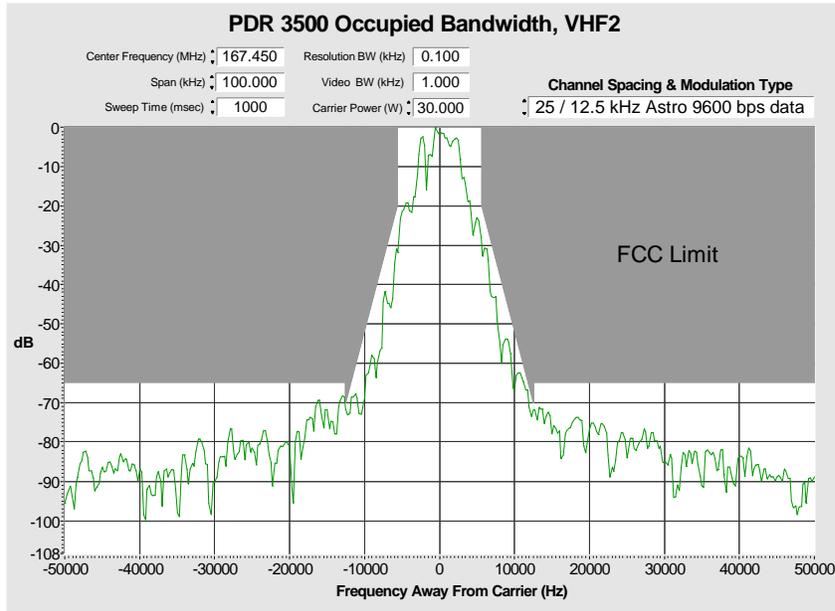
6C-4. Occupied Bandwidth – 25/12.5 kHz 9600 bps Digital Data (cont.)

Range 2. High power. Measured at 167.450 MHz and 30 W.

Modulation: 9600 bps Digital Data (Psuedo-Random Test Pattern)

Modulation Designator: 8K10F1D

Channelization: 25 kHz / 12.5 kHz (Mask D)

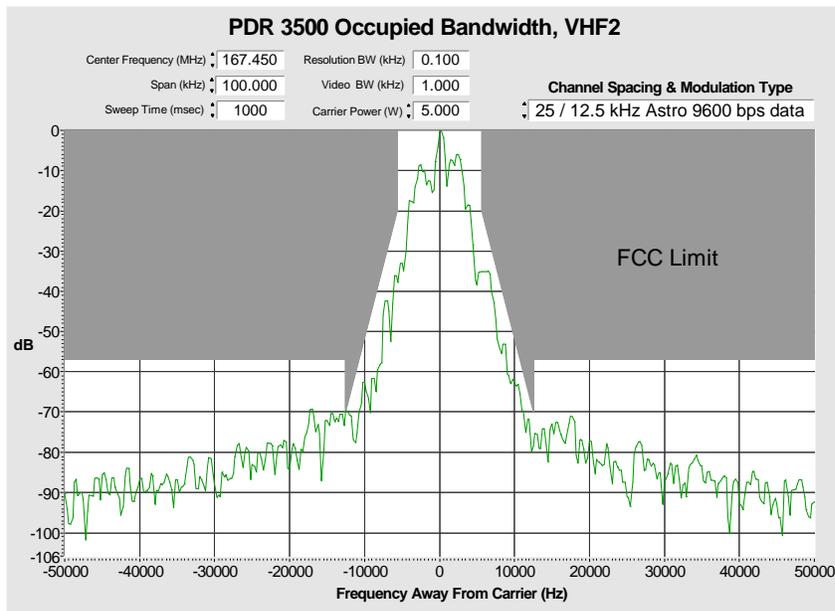


Range 2. Low power. Measured at 167.450 MHz and 5 W.

Modulation: 9600 bps Digital Data (Psuedo-Random Test Pattern)

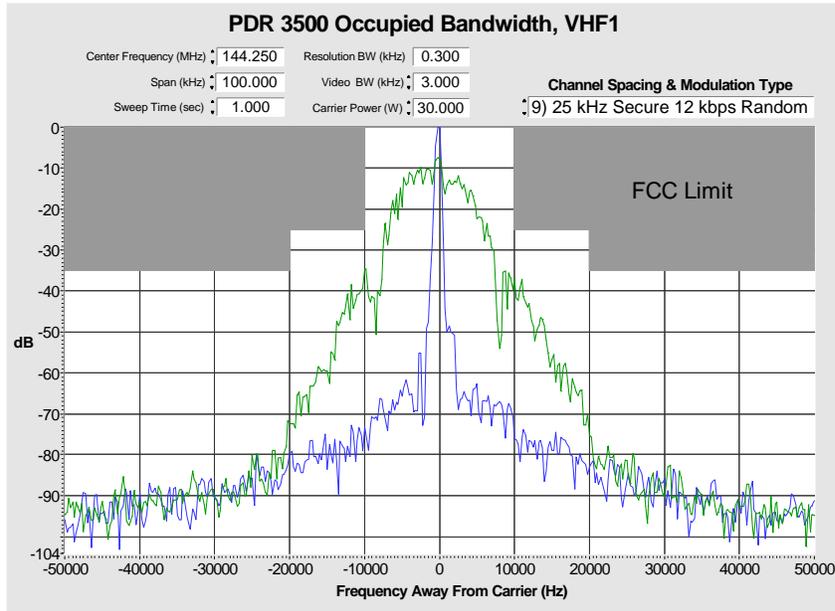
Modulation Designator: 8K10F1D

Channelization: 25 kHz / 12.5 kHz (Mask D)

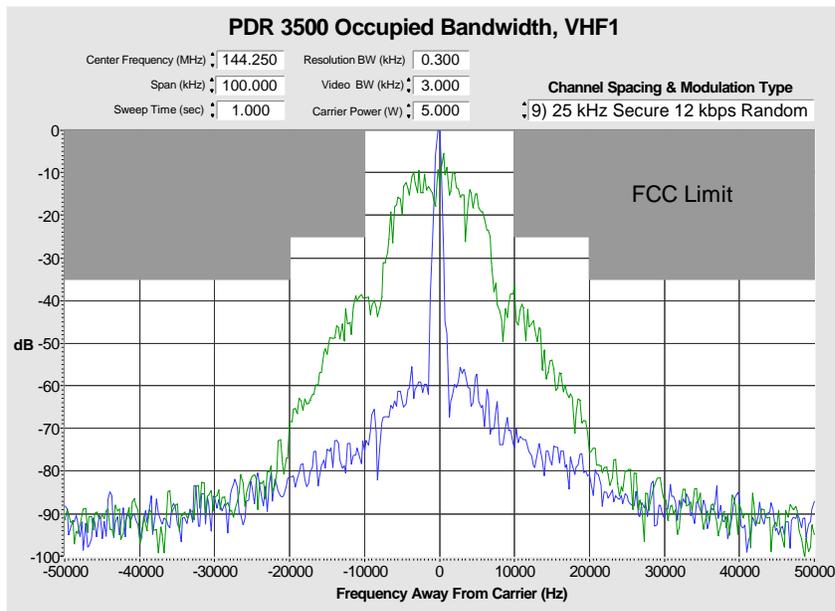


6C-5. Occupied Bandwidth – 25 kHz 12000 baud Digital Voice Encryption – Pursuant 2.1049(h)

Range 1. High power. Measured at 144.250 MHz and 30 W.
Modulation: 12kbps Random Data (Securenet)
Modulation Designator: 20K0F1E
Channelization: 25 kHz (Mask B)

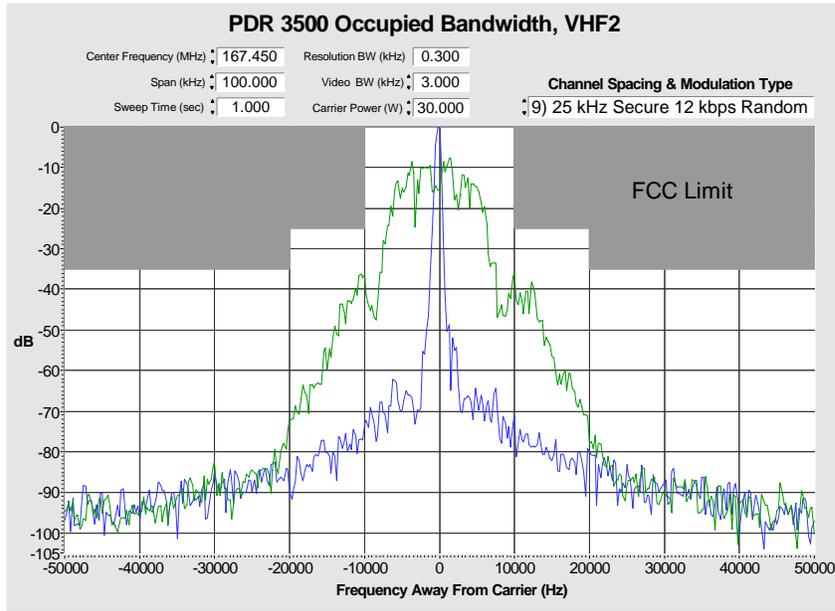


Range 1. Low power. Measured at 144.250 MHz and 5 W.
Modulation: 12kbps Random Data (Securenet)
Modulation Designator: 20K0F1E
Channelization: 25 kHz (Mask B)

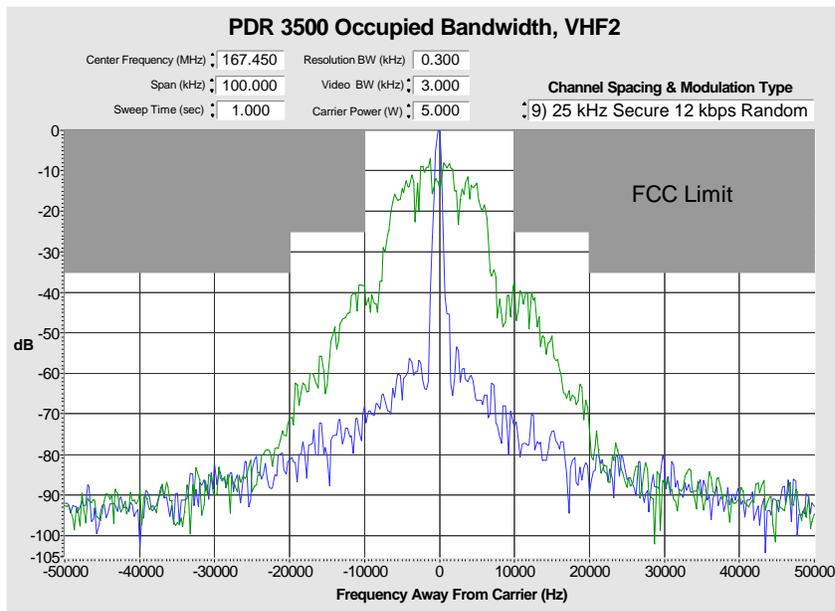


6C-5. Occupied Bandwidth – 25 kHz 12000 baud Digital Voice Encryption (cont.)

Range 2. High power. Measured at 167.450 MHz and 30 W.
Modulation: 12kbps Random Data (Securenet)
Modulation Designator: 20K0F1E
Channelization: 25 kHz (Mask B)



Range 2. Low power. Measured at 167.450 MHz and 5 W.
Modulation: 12kbps Random Data (Securenet)
Modulation Designator: 20K0F1E
Channelization: 25 kHz (Mask B)



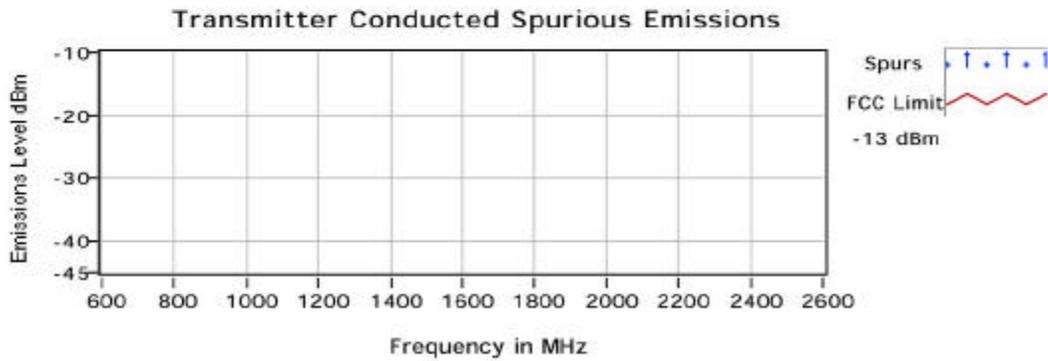
6D. Conducted Spurious Emissions – Pursuant 2.1051

Range 1. Low Power.



Transmitter Conducted Spurious Emissions FCC ID: AZ492FT3800
144.25000 MHz Power 5.0W

Spur Frequency	FCC Limit	Measured Value (dBm)
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No Spurs Found Above -13 dBm

Motorola Plantation ATE Lab

Test Performed By: Jerry Simpson

Thu, Aug 3, 2000

Exhibit: 7.4

6D. Conducted Spurious Emissions (cont.)

Range 1. High Power.

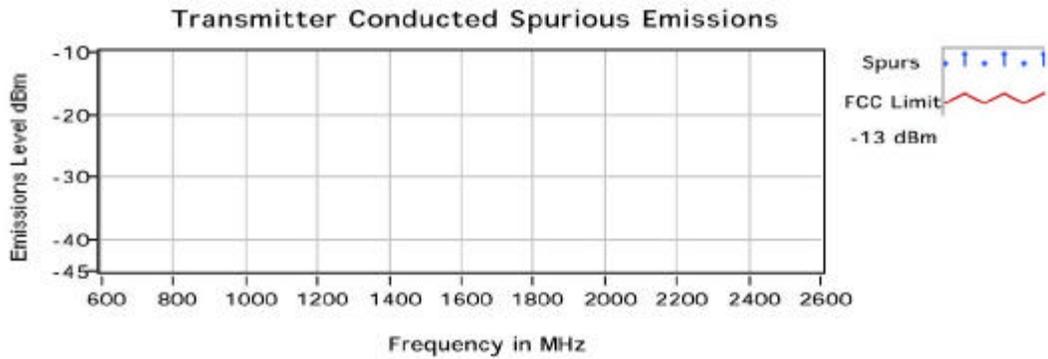


Transmitter Conducted Spurious Emissions FCC ID: AZ492FT3800

144.25000 MHz

Power 30.0W

Spur Frequency	FCC Limit	Measured Value (dBm)
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No Spurs Found Above -13 dBm

Motorola Plantation ATE Lab

Test Performed By: Jerry Simpson

Tue, Jul 25, 2000

Exhibit: 7.4

6D. Conducted Spurious Emissions (cont.)

Range 2. Low Power.



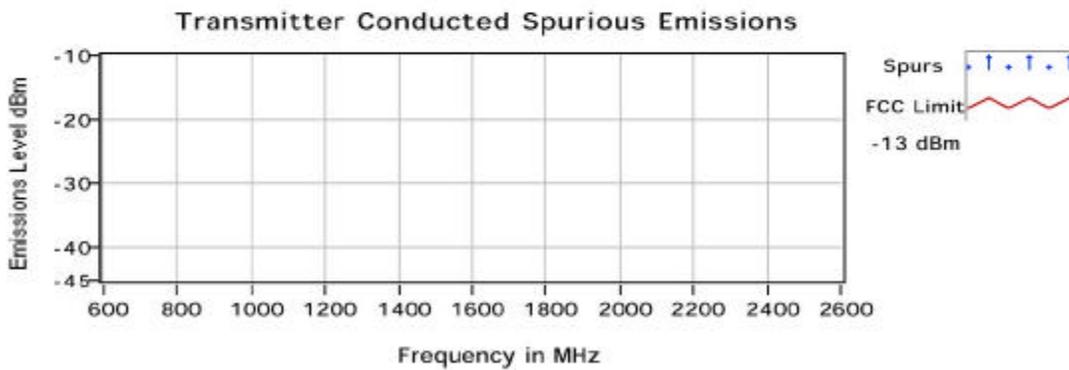
Transmitter Conducted Spurious Emissions

FCC ID: AZ492FT3800

167.45000 MHz

Power 5.0W

Spur Frequency	FCC Limit	Measured Value (dBm)
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No Spurs Found Above -13 dBm

Motorola Plantation ATE Lab

Thu, Aug 3, 2000

Test Performed By: Jerry Simpson

Exhibit: 7.4

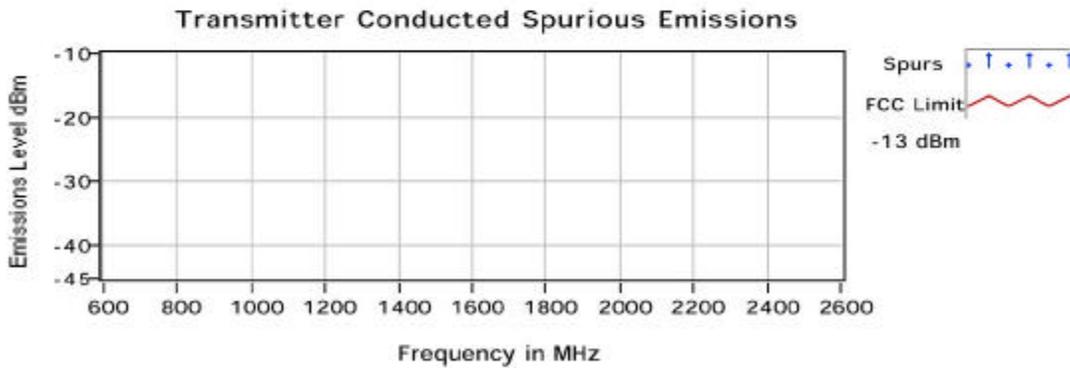
6D. Conducted Spurious Emissions (cont.)

Range 2. High Power.



Transmitter Conducted Spurious Emissions FCC ID: AZ492FT3800
167.45000 MHz Power 30.0W

Spur Frequency	FCC Limit	Measured Value (dBm)
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No Spurs Found Above -13 dBm

Motorola Plantation ATE Lab

Wed, Jun 28, 2000

Test Performed By: Jerry Simpson

Exhibit: 7.4

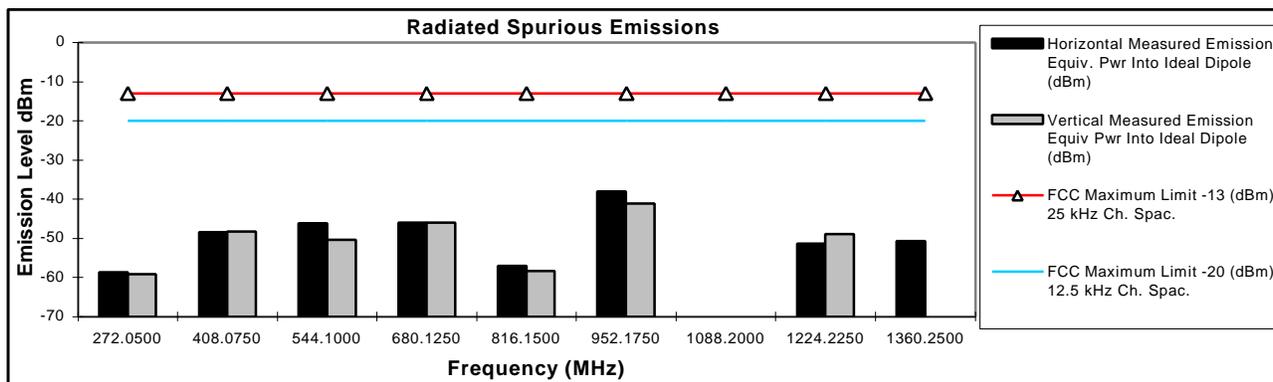
6E. Radiated Spurious Emissions – Pursuant 2.1053

Motorola Plantation EMC Lab – Test Performed by: Curt McLennan Motorola Plantation EMC

136.025 MHz

High Power: 30 W

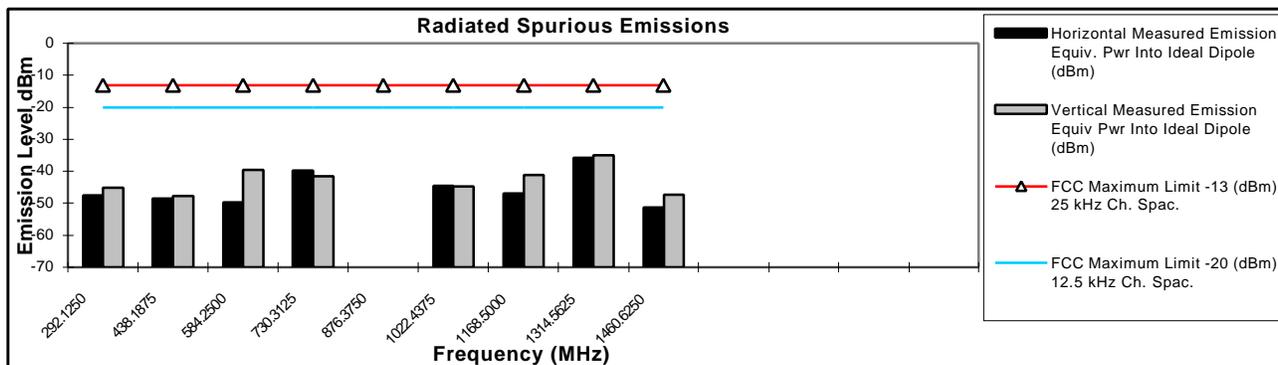
Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0500	-13	-20	-58.6	-59.3
408.0750	-13	-20	-48.3	-48.3
544.1000	-13	-20	-46.1	-50.3
680.1250	-13	-20	-45.9	-45.9
816.1500	-13	-20	-57.1	-58.3
952.1750	-13	-20	-38.1	-41.2
1088.2000	-13	-20	*	*
1224.2250	-13	-20	-51.3	-48.9
1360.2500	-13	-20	-50.8	*



146.0625 MHz

High Power: 30 W

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
292.1250	-13	-20	-47.6	-45.1
438.1875	-13	-20	-48.5	-47.7
584.2500	-13	-20	-49.8	-39.5
730.3125	-13	-20	-39.8	-41.5
876.3750	-13	-20	*	*
1022.4375	-13	-20	-44.5	-44.7
1168.5000	-13	-20	-47.0	-41.1
1314.5625	-13	-20	-35.7	-35.0
1460.6250	-13	-20	-51.4	-47.4



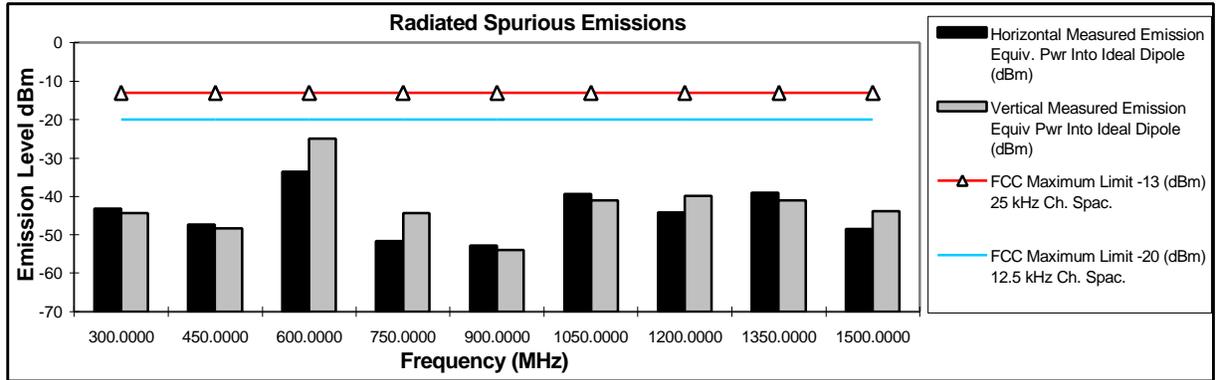
* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

6E. Radiated Spurious Emissions (cont.)

150 MHz

High Power: 30 W

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
300.0000	-13	-20	-43.1	-44.3
450.0000	-13	-20	-47.3	-48.3
600.0000	-13	-20	-33.5	-25.0
750.0000	-13	-20	-51.5	-44.3
900.0000	-13	-20	-52.8	-54.1
1050.0000	-13	-20	-39.3	-41.0
1200.0000	-13	-20	-44.2	-39.9
1350.0000	-13	-20	-38.9	-41.0
1500.0000	-13	-20	-48.4	-43.9



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

Motorola Plantation EMC Lab – Test Performed by: Curt McLennan
 FCC Registration: 91932 / Industry Canada: IC3679

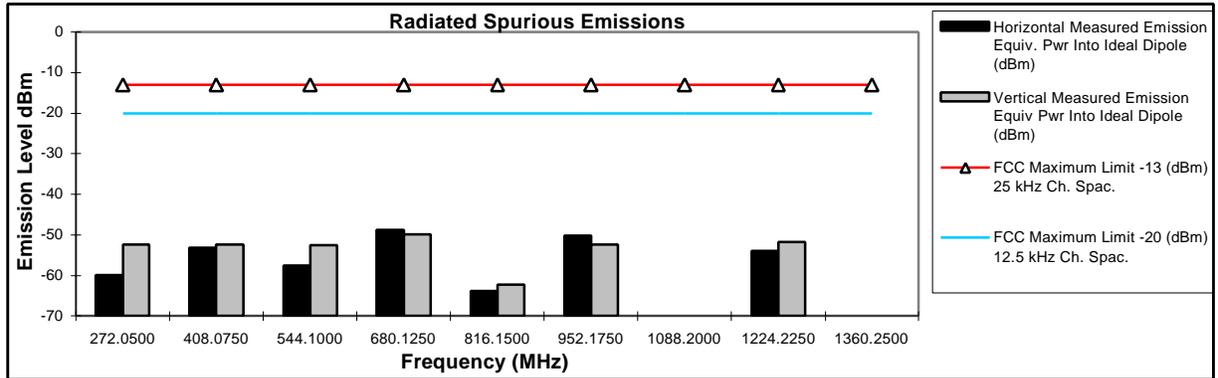
7/03/2000
 EMC07032000-127

6E. Radiated Spurious Emissions (cont.)

136.025 MHz

Low Power: 5 W

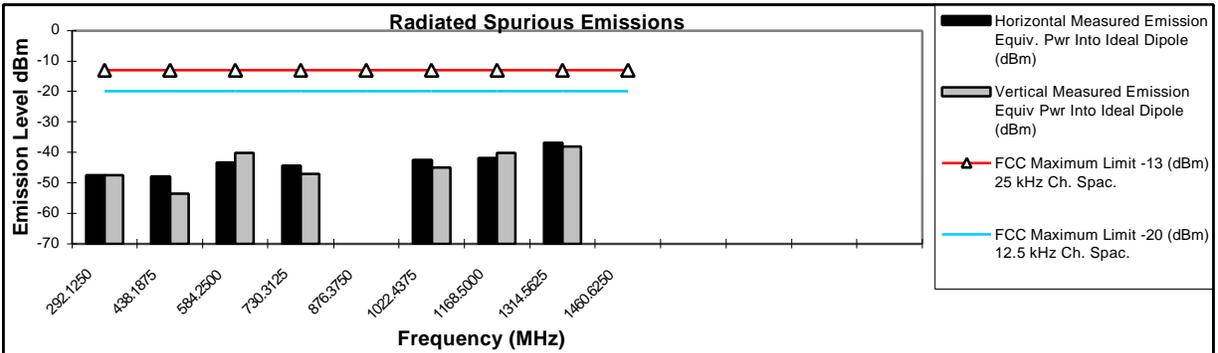
Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0500	-13	-20	-60.0	-52.4
408.0750	-13	-20	-53.3	-52.4
544.1000	-13	-20	-57.6	-52.5
680.1250	-13	-20	-48.8	-49.9
816.1500	-13	-20	-63.9	-62.3
952.1750	-13	-20	-50.1	-52.4
1088.2000	-13	-20	*	*
1224.2250	-13	-20	-54.0	-51.7
1360.2500	-13	-20	*	*



153.9875 MHz

Low Power: 5 W

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
292.1250	-13	-20	-47.4	-47.4
438.1875	-13	-20	-47.8	-53.7
584.2500	-13	-20	-43.3	-40.1
730.3125	-13	-20	-44.3	-47.1
876.3750	-13	-20	*	*
1022.4375	-13	-20	-42.4	-45.0
1168.5000	-13	-20	-41.8	-40.1
1314.5625	-13	-20	-36.8	-38.1
1460.6250	-13	-20	*	*



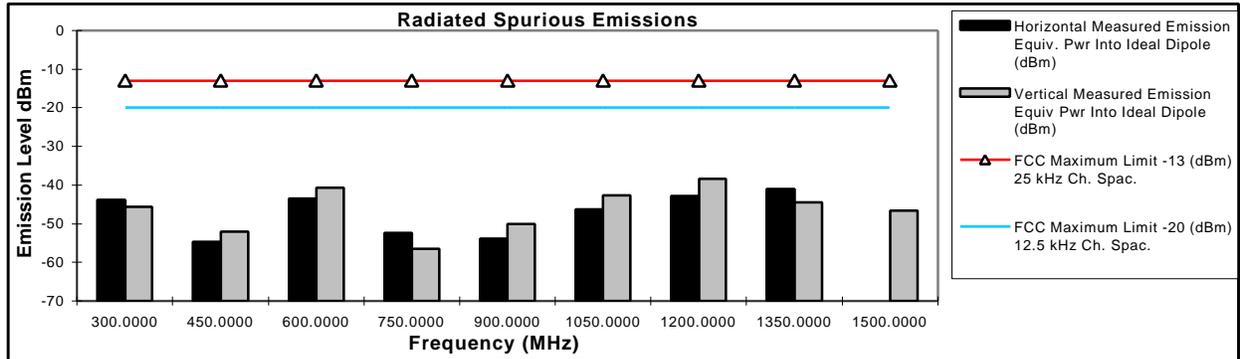
* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

6E. Radiated Spurious Emissions (cont.)

150 MHz

High Power: 30 W

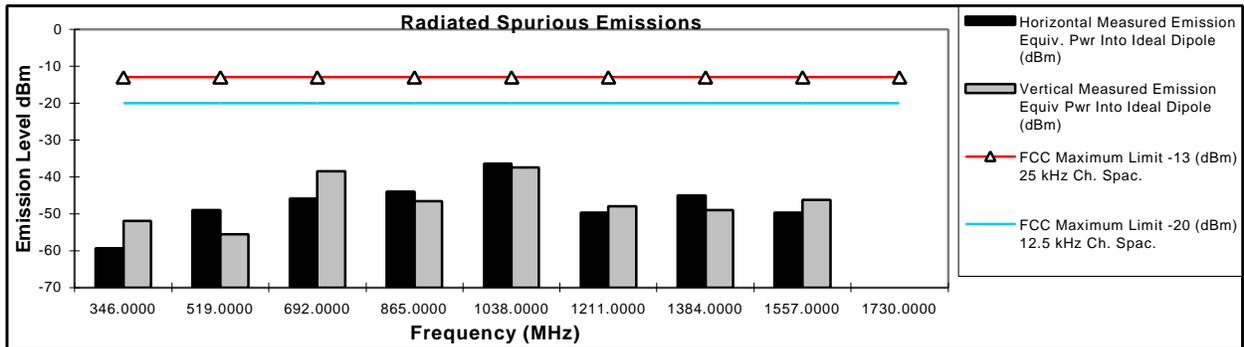
Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
300.0000	-13	-20	-43.8	-45.7
450.0000	-13	-20	-54.6	-52.1
600.0000	-13	-20	-43.5	-40.6
750.0000	-13	-20	-52.3	-56.6
900.0000	-13	-20	-53.9	-50.0
1050.0000	-13	-20	-46.3	-42.7
1200.0000	-13	-20	-42.8	-38.3
1350.0000	-13	-20	-41.1	-44.4
1500.0000	-13	-20	*	-46.7



173 MHz

High Power: 30 W

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
346.0000	-13	-20	-59.3	-51.9
519.0000	-13	-20	-49.1	-55.5
692.0000	-13	-20	-45.9	-38.5
865.0000	-13	-20	-44.1	-46.6
1038.0000	-13	-20	-36.4	-37.5
1211.0000	-13	-20	-49.7	-48.0
1384.0000	-13	-20	-45.1	-49.0
1557.0000	-13	-20	-49.7	-46.2
1730.0000	-13	-20	*	*



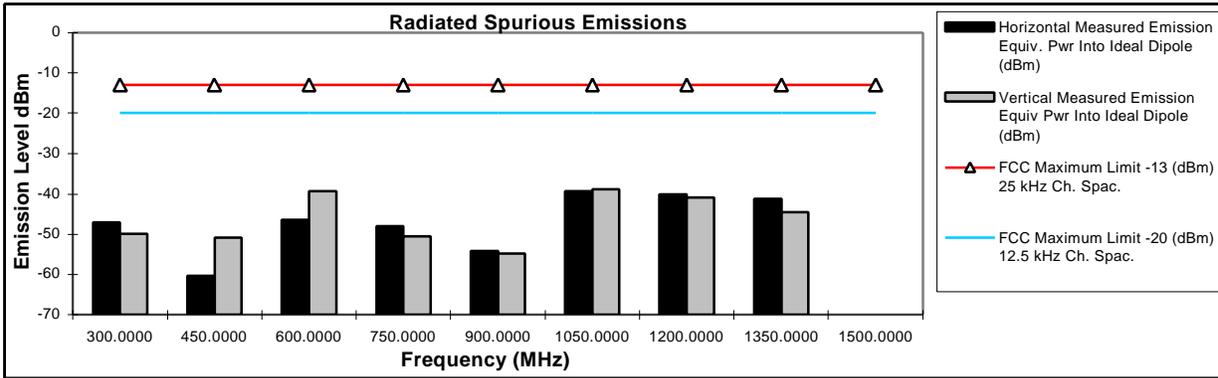
* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

6E. Radiated Spurious Emissions (cont.)

150 MHz

Low Power: 5 W

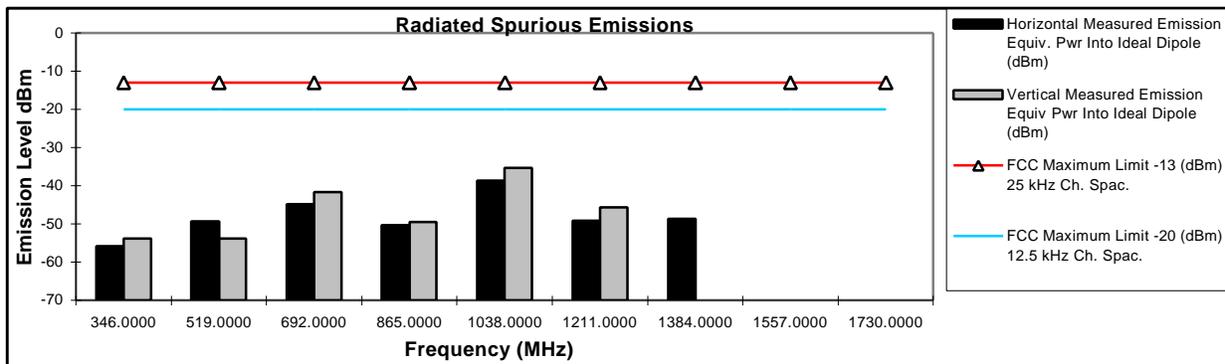
Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
300.0000	-13	-20	-47.1	-49.9
450.0000	-13	-20	-60.3	-50.9
600.0000	-13	-20	-46.5	-39.4
750.0000	-13	-20	-47.9	-50.5
900.0000	-13	-20	-54.2	-54.8
1050.0000	-13	-20	-39.4	-38.9
1200.0000	-13	-20	-40.1	-40.8
1350.0000	-13	-20	-41.2	-44.5
1500.0000	-13	-20	*	*



173 MHz

Low Power: 5 W

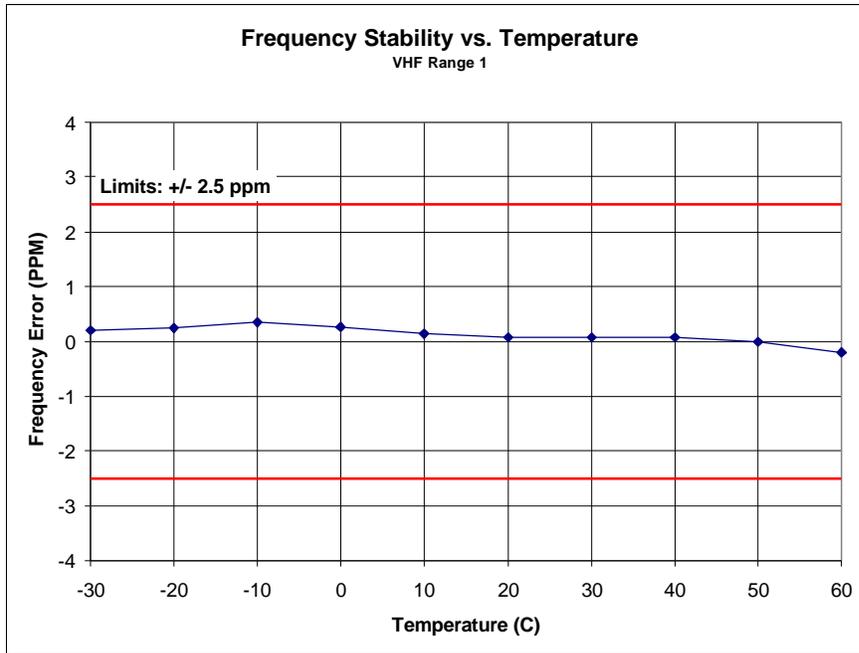
Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	FCC Maximum Limit -20 (dBm) 12.5 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
346.0000	-13	-20	-55.7	-53.7
519.0000	-13	-20	-49.2	-53.9
692.0000	-13	-20	-44.8	-41.6
865.0000	-13	-20	-50.2	-49.4
1038.0000	-13	-20	-38.6	-35.3
1211.0000	-13	-20	-49.2	-45.6
1384.0000	-13	-20	-48.6	*
1557.0000	-13	-20	*	*
1730.0000	-13	-20	*	*



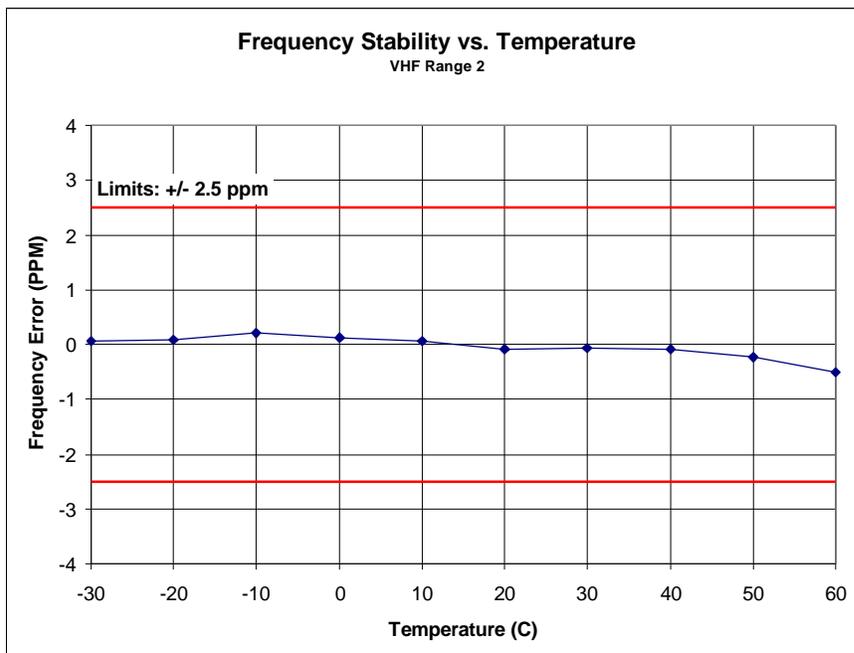
* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

6F-1. Frequency Stability vs. Temperature – Pursuant 2.1055(a)(1), 2.1055(b), 90.213

Range 1. Measured at 144.250 MHz.

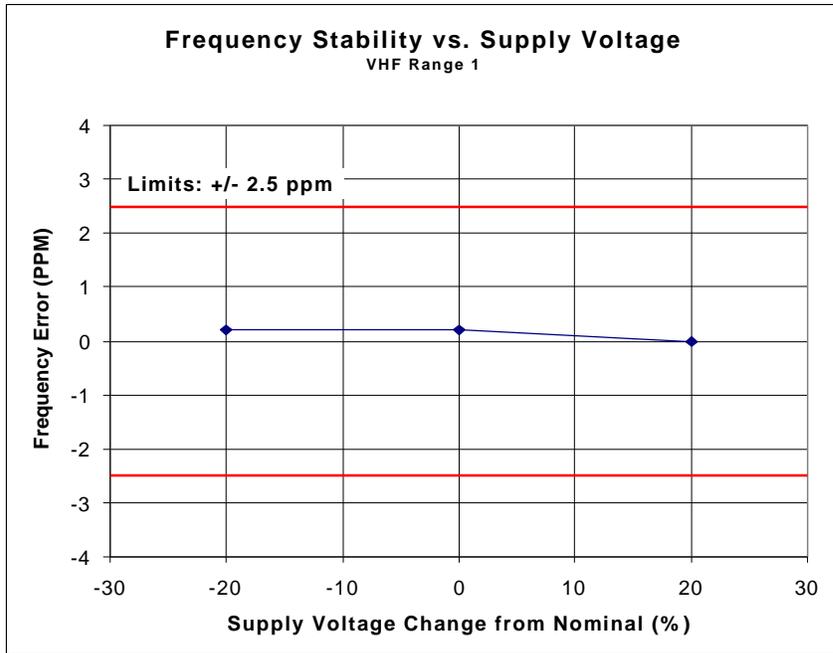


Range 2. Measured at 167.450 MHz.

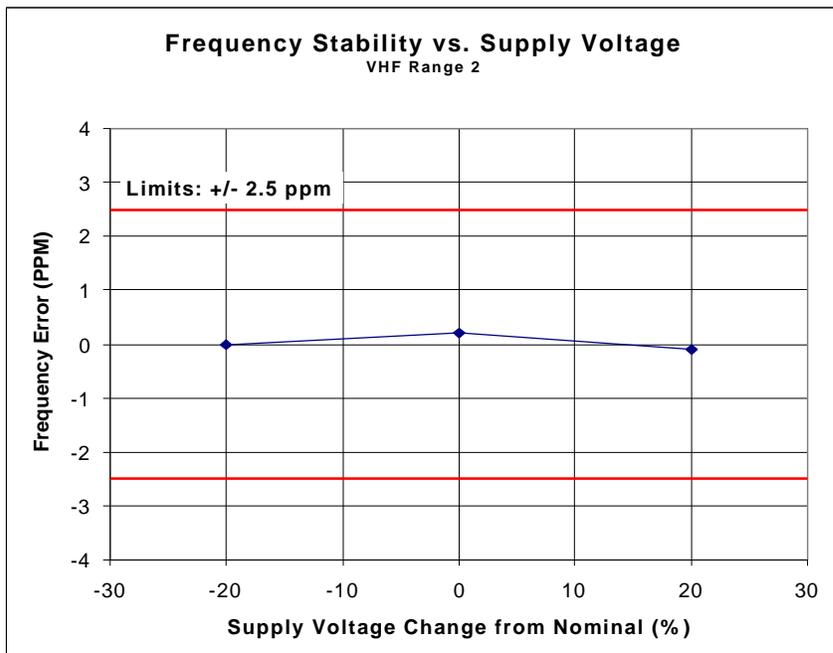


6F-2. Frequency Stability vs. Supply Voltage – Pursuant 2.1055(d)(1), 90.213

Range 1. Measured at 144.250 MHz.

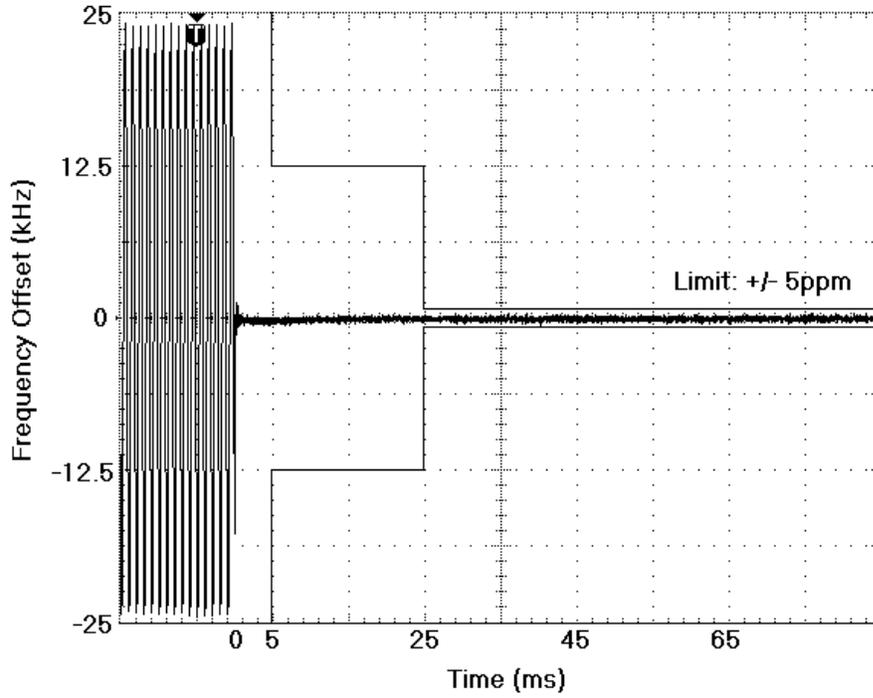


Range 2. Measured at 167.450 MHz.

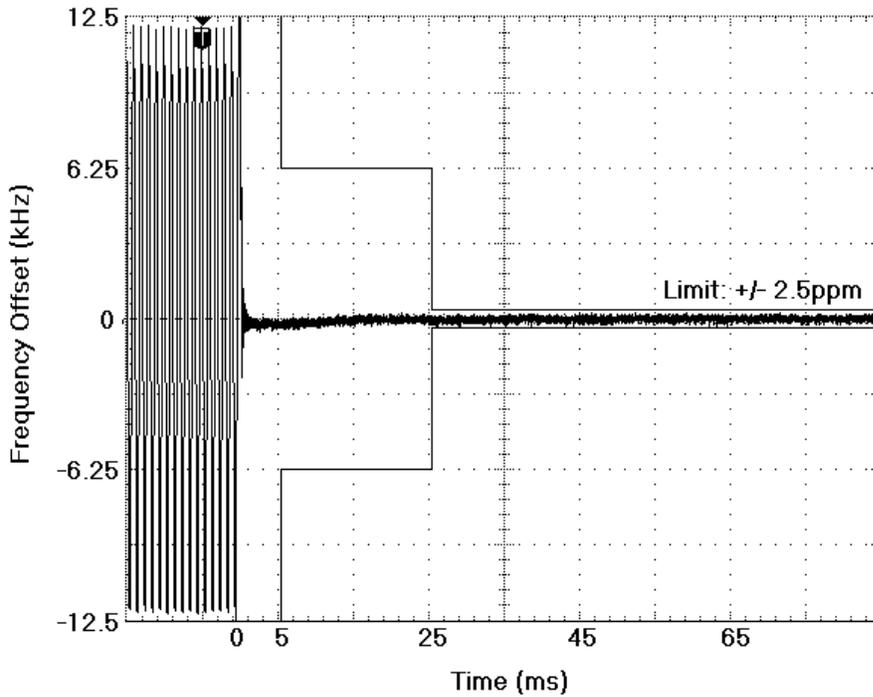


6G. Transient Frequency Behavior – Pursuant 90.214

Keyup. Range 1. 25 kHz channel spacing. Measured at 145.000 MHz and 30 W.

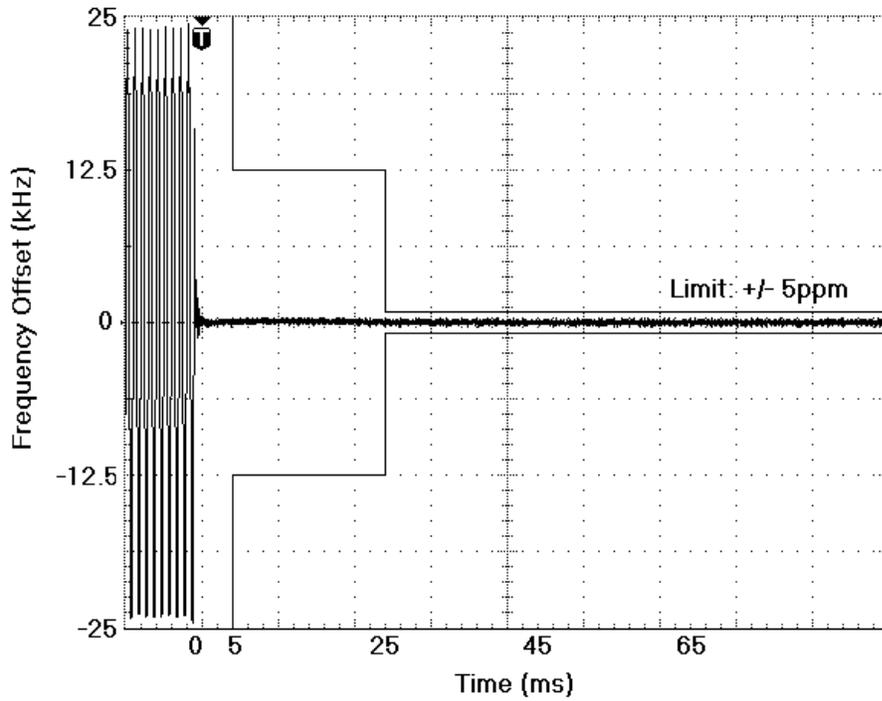


Keyup. Range 1. 12.5 kHz channel spacing. Measured at 145.000 MHz and 30 W.

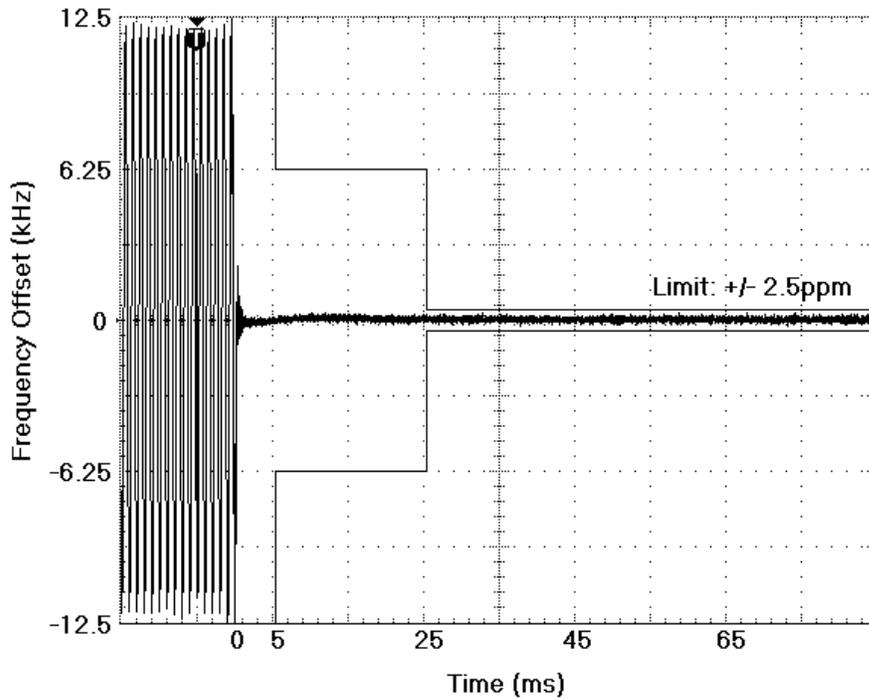


6G. Transient Frequency Behavior (cont.)

Keyup. Range 2. 25 kHz channel spacing. Measured at 167.450 MHz and 30 W.

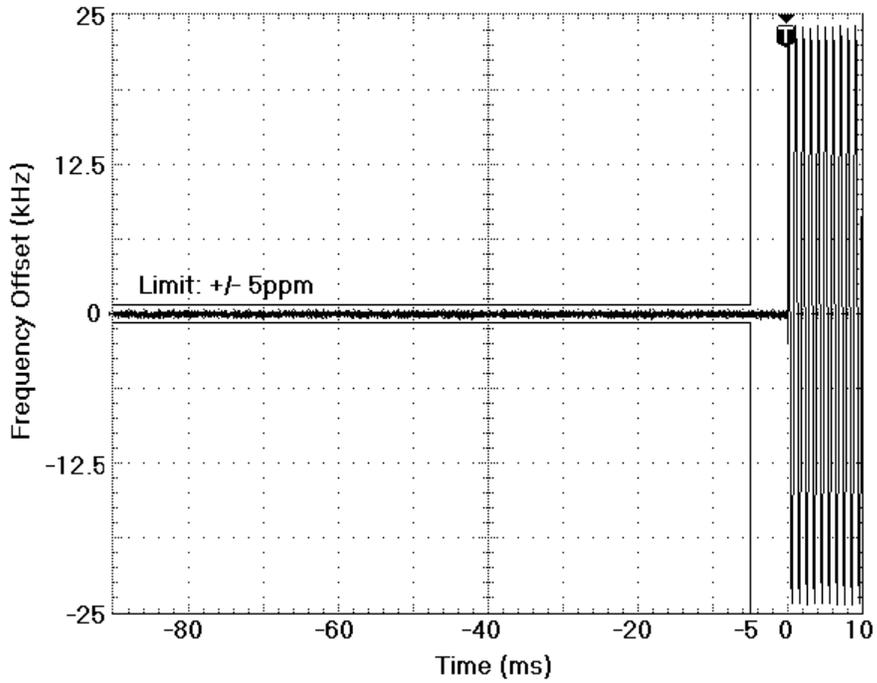


Keyup. Range 2. 12.5 kHz channel spacing. Measured at 167.450 MHz and 30 W.

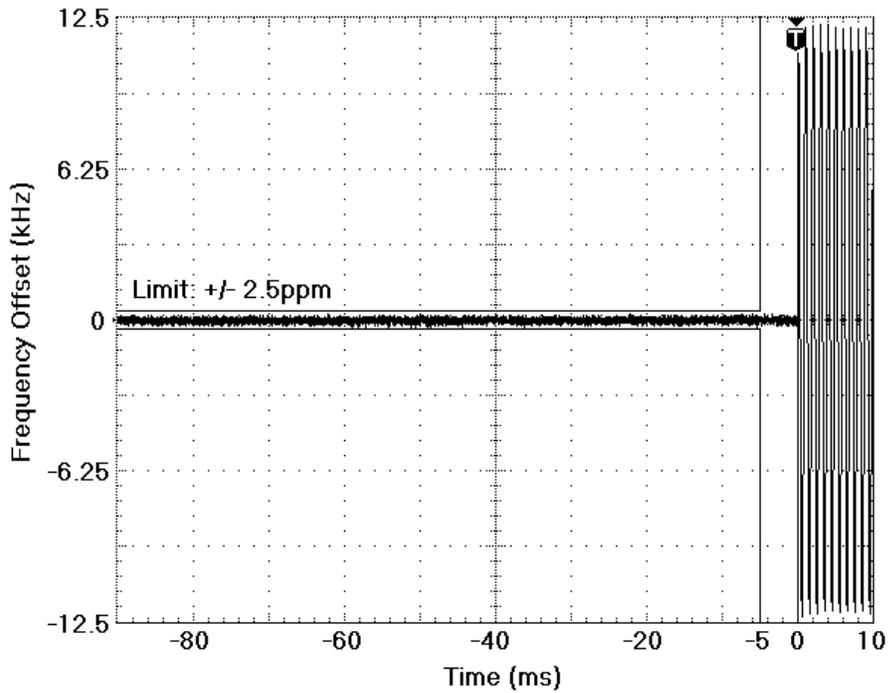


6G. Transient Frequency Behavior (cont.)

Dekey. Range 1. 25 kHz channel spacing. Measured at 145.000 MHz and 30 W.

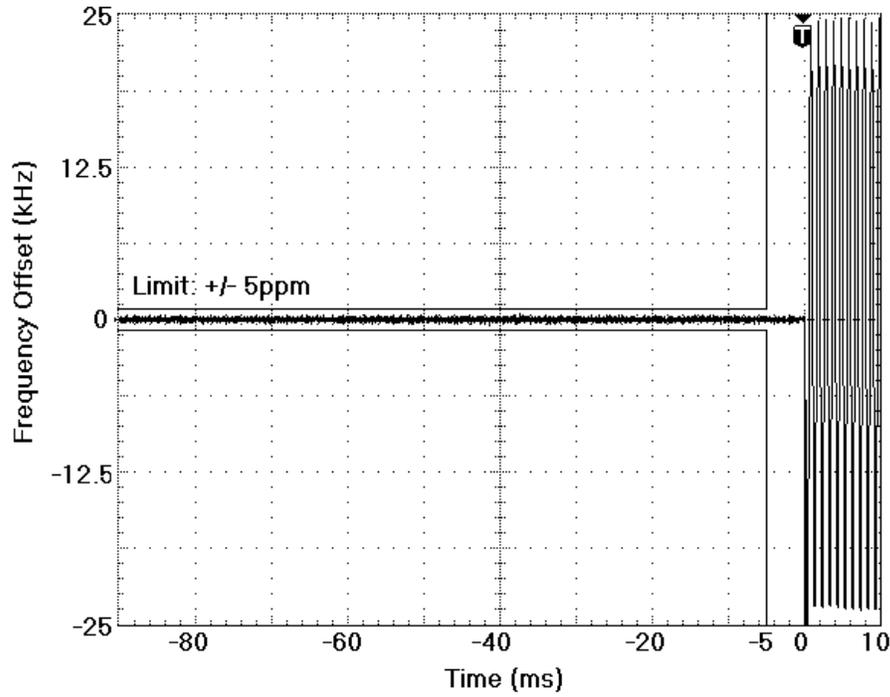


Dekey. Range 1. 12.5 kHz channel spacing. Measured at 145.000 MHz and 30 W.

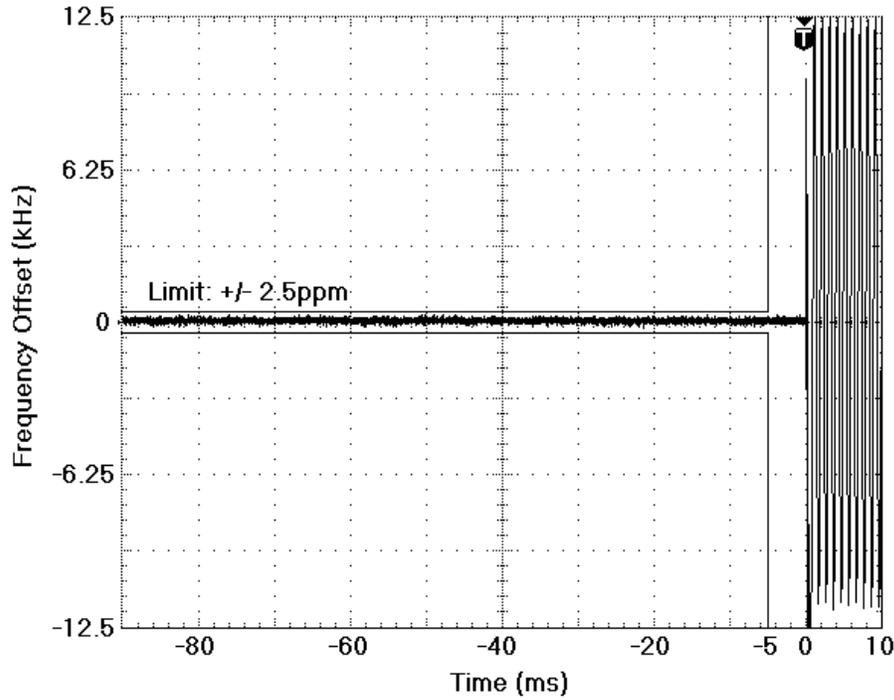


6G. Transient Frequency Behavior (cont.)

Dekey. Range 2. 25 kHz channel spacing. Measured at 167.450 MHz and 30 W.

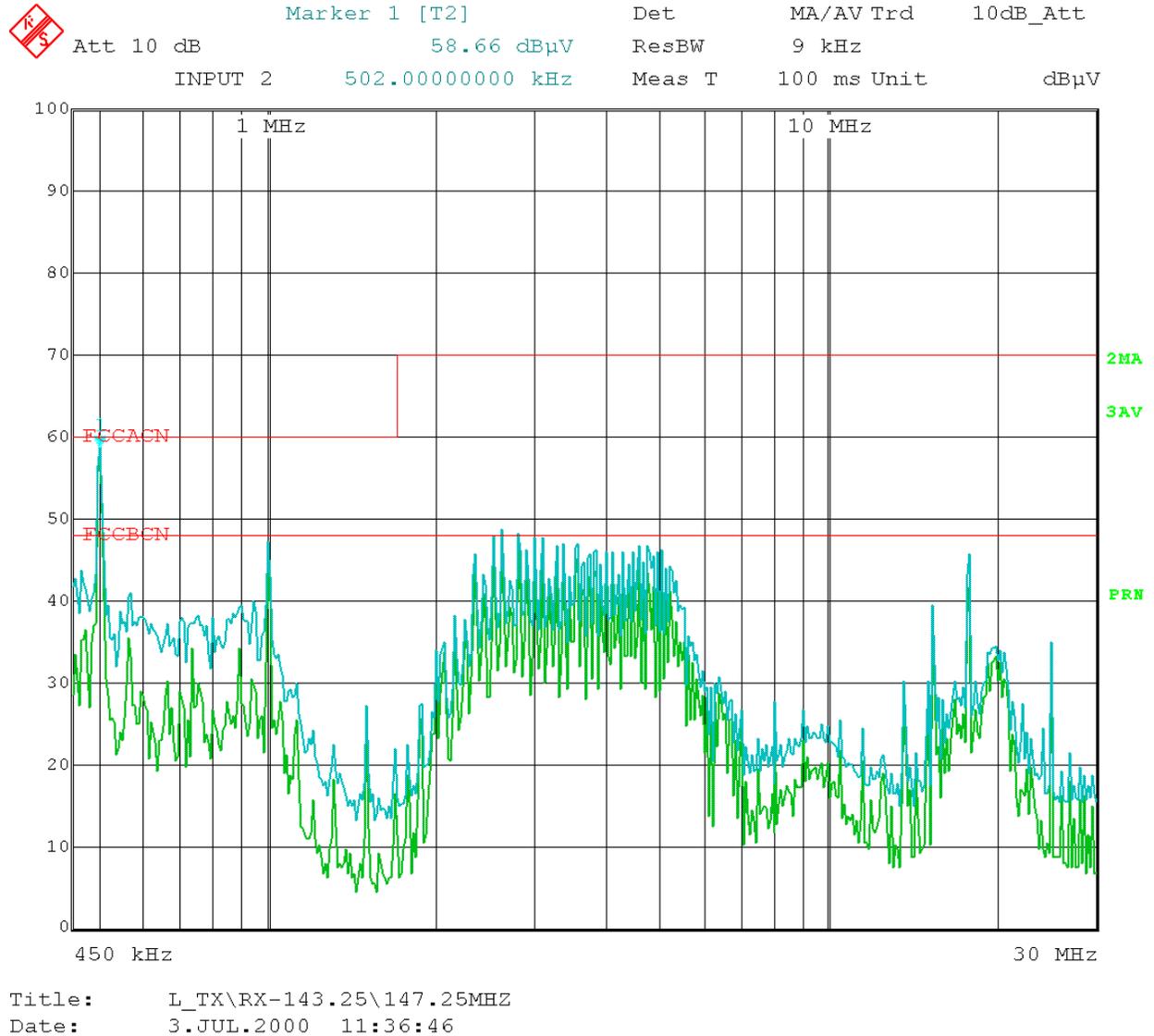


Dekey. Range 2. 12.5 kHz channel spacing. Measured at 167.450 MHz and 30 W.



6H. Power Line Conducted Emissions – Pursuant 15.107

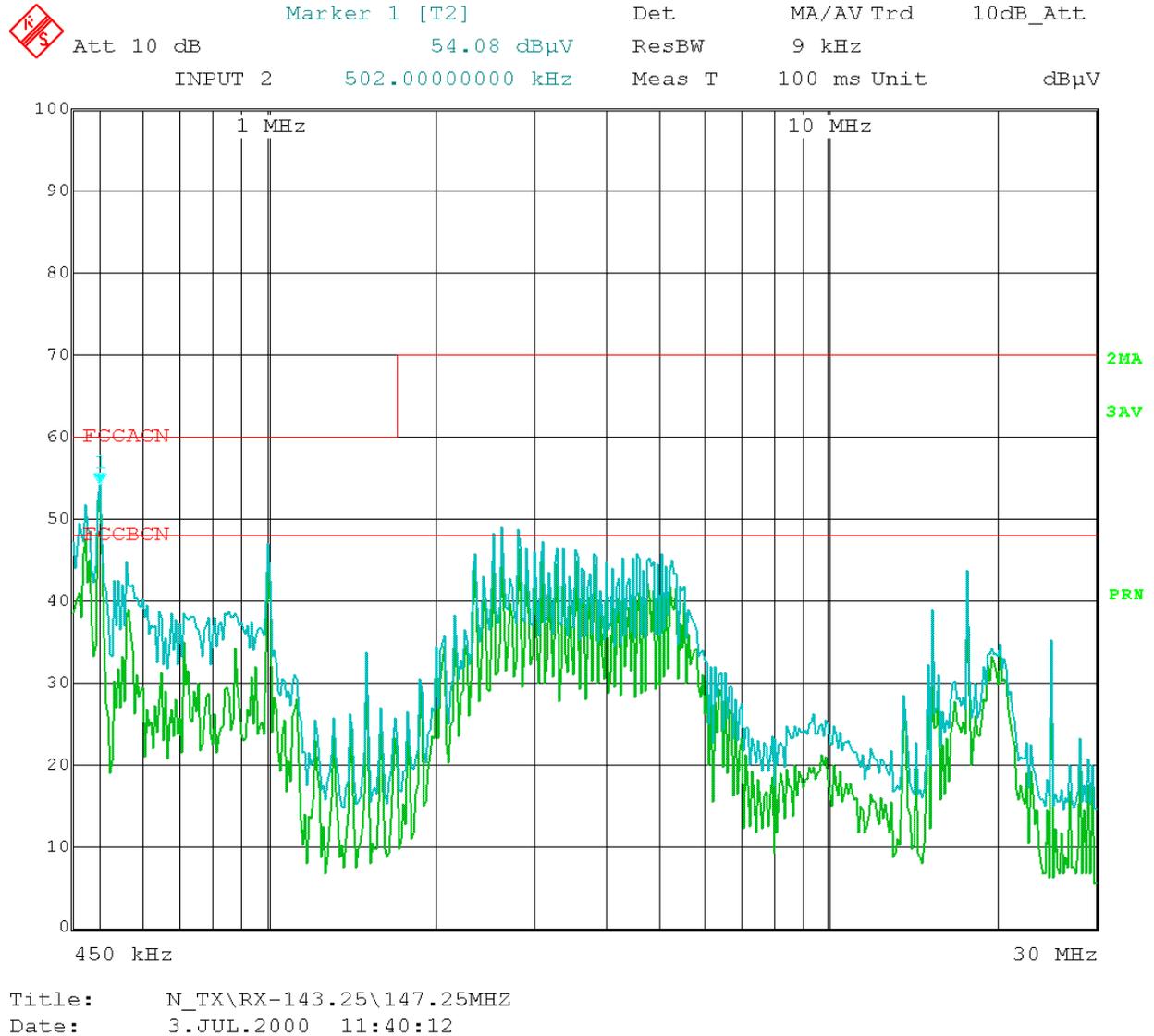
Range 1. Line. Measured with receiver active and 30 W transmit.



Peak emission: 58.66 dBuV at 502.0000000 kHz.

6H. Power Line Conducted Emissions (cont.)

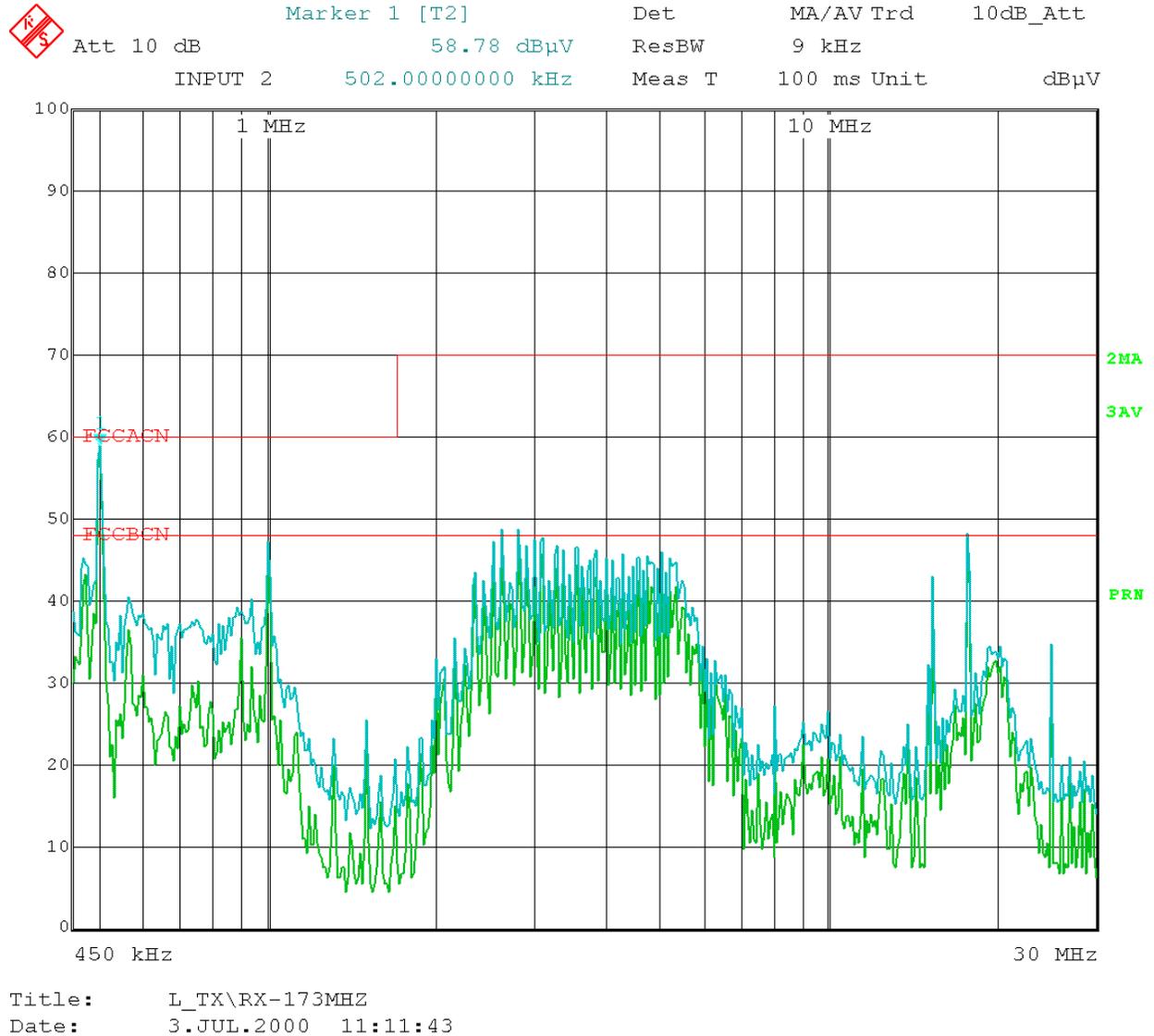
Range 1. Neutral. Measured with receiver active and 30 W transmit.



Emission peak: 54.08 dBuV at 502.0000000 kHz.

6H. Power Line Conducted Emissions (cont.)

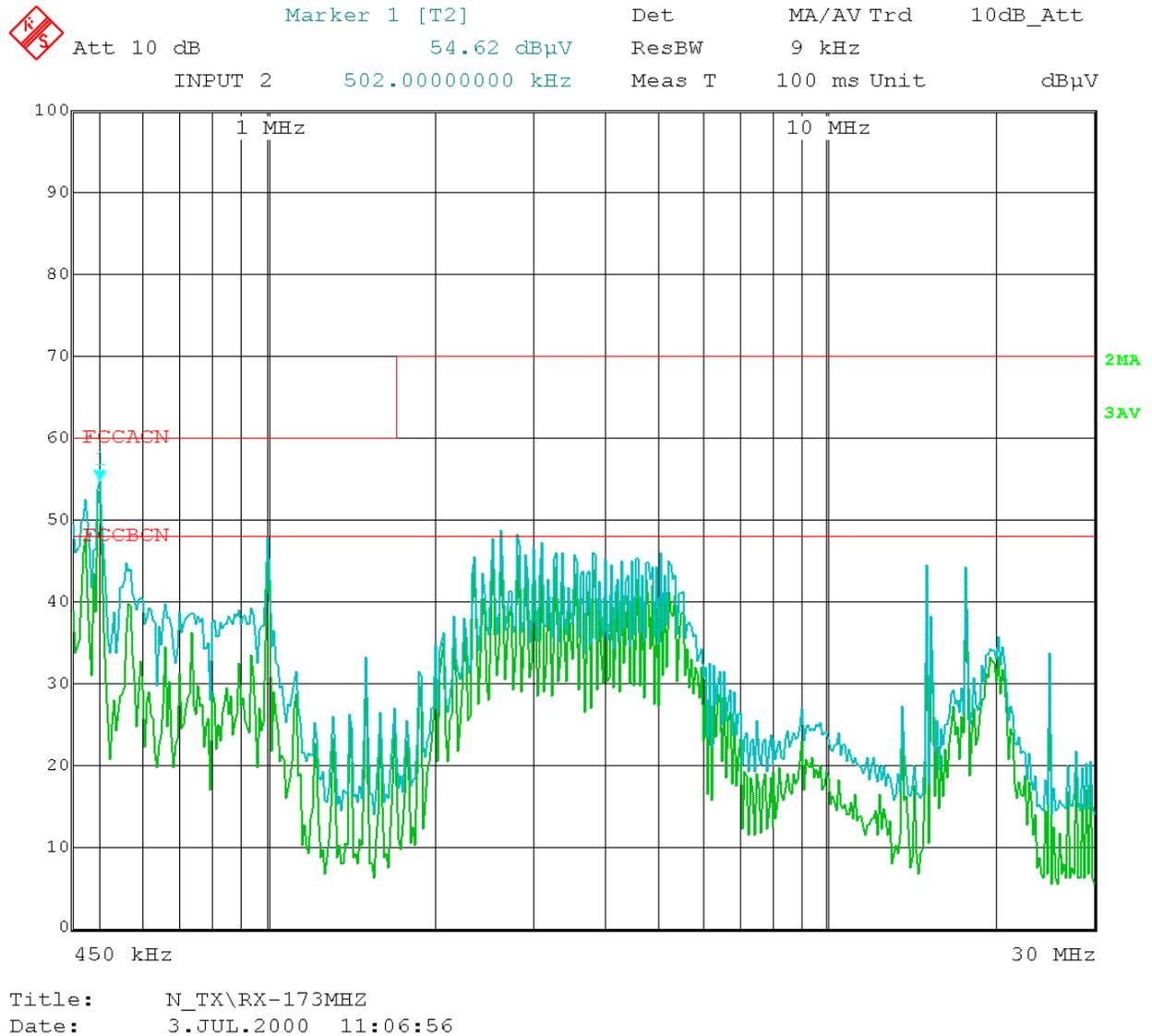
Range 2. Line. Measured with receiver active and 30 W transmit.



Emission peak: 58.78 dBuV at 502.0000000 kHz.

6H. Power Line Conducted Emissions (cont.)

Range 2. Neutral. Measured with receiver active and 30 W transmit.



Emission peak: 54.62 dBuV at 502.0000000 kHz.