

EXHIBIT 6

INDEX OF SUBMITTED MEASURED DATA

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

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- 6B-3 –935.0125 MHz, 12.5 kHz Channel Spacing
- 6B-4 –939.9875 MHz, 12.5 kHz Channel Spacing

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- 6F-2 - Max Power 900.9875 MHz, 12.5 kHz Channel Spacing
- 6F-3 - Max Power 935.0125 MHz, 12.5 kHz Channel Spacing
- 6F-4 - Max Power 939.9875 MHz, 12.5 kHz Channel Spacing

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- 6G-1 – 899.0125MHz vs. Supply Voltage
- 6G-2 – 938.0125 MHz vs. Supply Voltage
- 6G-1 – 899.0125 MHz vs. Temperature
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EXHIBIT 6H – Conducted Spurious Emissions

- 6H-1 - Max Power 896.0125 MHz, 12.5 kHz Channel Spacing
- 6H-2 - Max Power 899.0125 MHz, 12.5 kHz Channel Spacing
- 6H-3 - Max Power 900.9875 MHz, 12.5 kHz Channel Spacing
- 6H-4 - Max Power 935.0125 MHz, 12.5 kHz Channel Spacing
- 6H-5 - Max Power 938.0125 MHz, 12.5 kHz Channel Spacing
- 6H-6 - Max Power 939.9875 MHz, 12.5 kHz Channel Spacing

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)

Frequency = 896.0125 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	0.99 Amps
Output RF power	2.50 Watts
DC Voltage	7.50 Volts
DC Current	1.43 Amps
Output RF power	3.0 Watts
DC Voltage	7.50 Volts
DC Current	1.55 Amps

Frequency = 900.9875 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	0.98 Amps
Output RF power	2.50 Watts
DC Voltage	7.50 Volts
DC Current	1.41 Amps
Output RF power	3.0 Watts
DC Voltage	7.50 Volts
DC Current	1.53 Amps

Frequency = 935.0125 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	0.92 Amps
Output RF power	2.50 Watts
DC Voltage	7.50 Volts
DC Current	1.34 Amps
Output RF power	3.0 Watts
DC Voltage	7.50 Volts
DC Current	1.46 Amps

Frequency = 939.9875 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	0.92 Amps

Output RF power	2.50 Watts
DC Voltage	7.50 Volts
DC Current	1.32 Amps

Output RF power	3.0 Watts
DC Voltage	7.50 Volts
DC Current	1.45 Amps

EXHIBIT 6B

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

Audio Frequency Response
(Freq: 896.0125MHz, ChSp: 12.5 kHz)

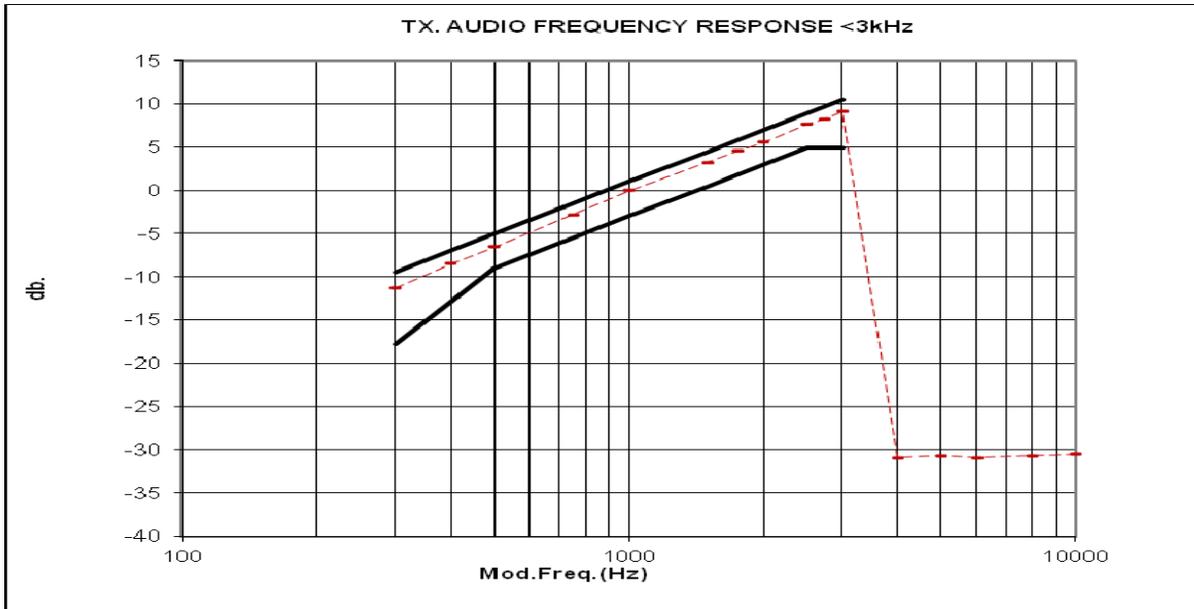


Exhibit 6B-1

Audio Frequency Response
(Freq: 900.9875MHz, ChSp: 12.5kHz)

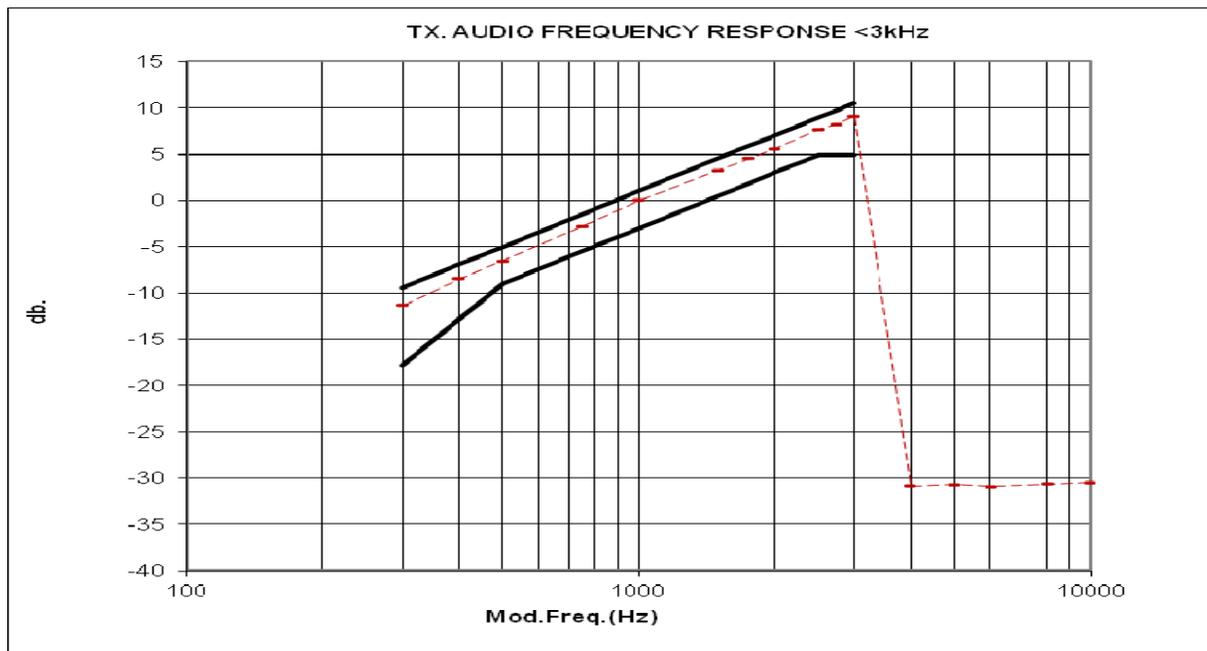


Exhibit 6B-2

Audio Frequency Response
(Freq: 935.0125MHz, ChSp: 12.5 kHz)

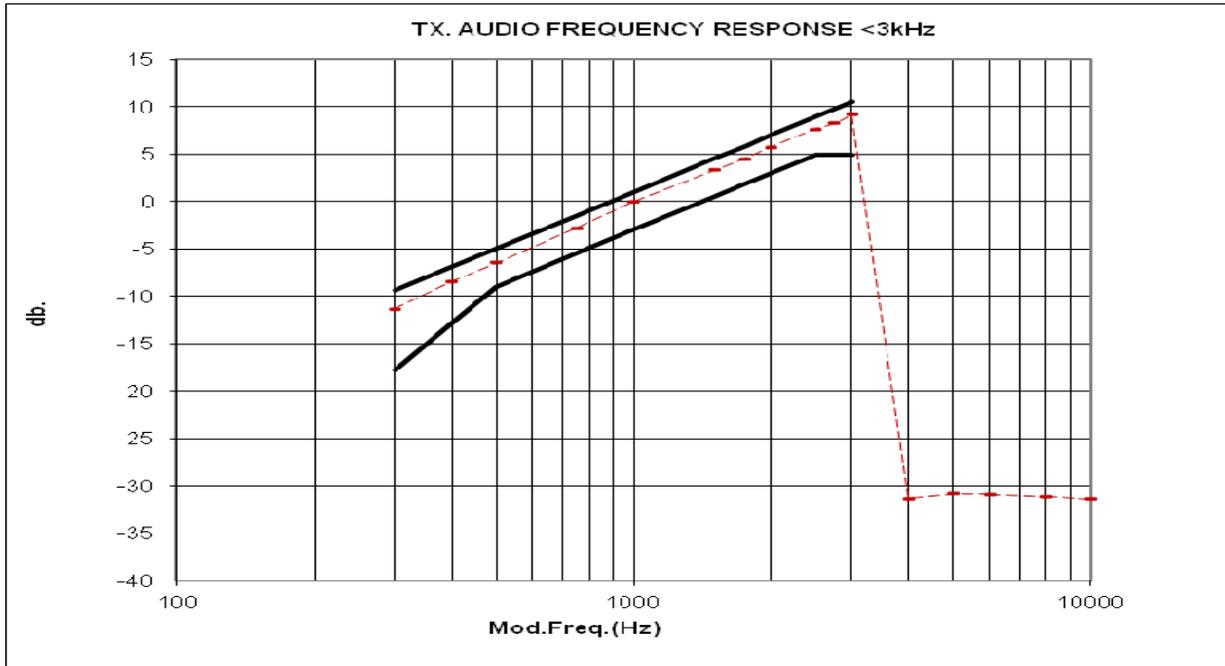


Exhibit 6B-3

Audio Frequency Response
(Freq: 939.9875MHz, ChSp: 12.5kHz)

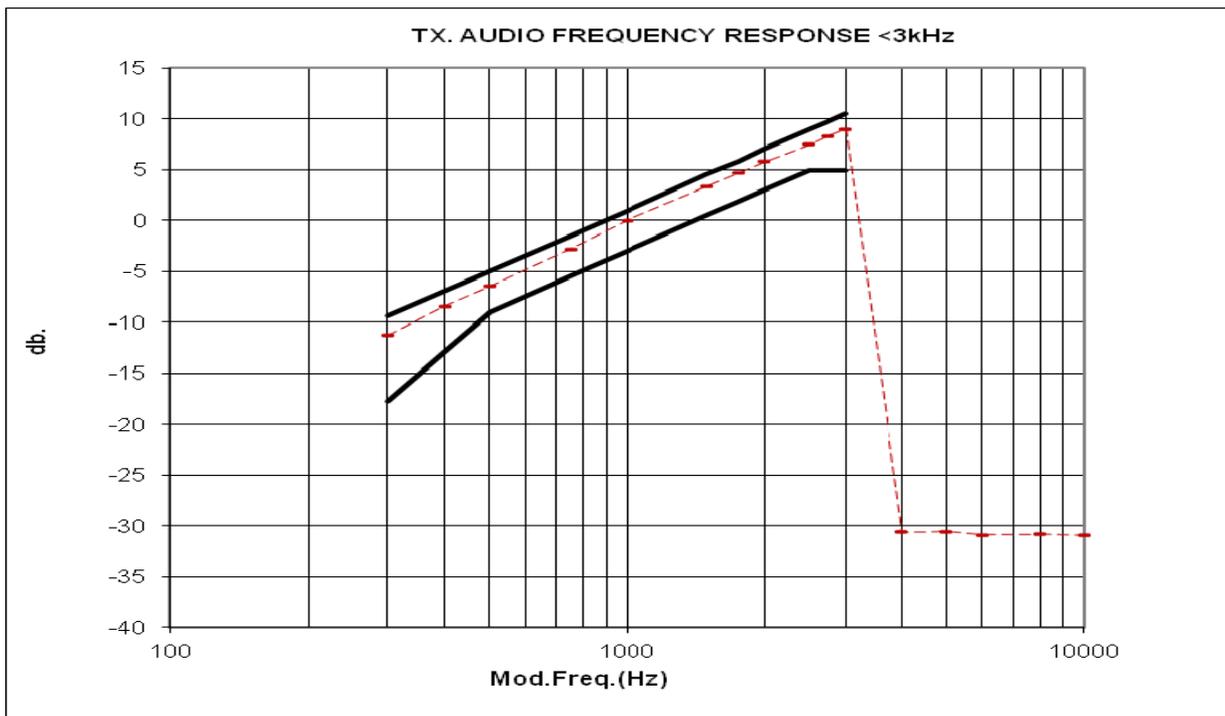


Exhibit 6B-4

EXHIBIT 6C

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

Transmit Low Pass Filter Frequency Response

(Freq: 896.0125MHz, ChSp: 12.5 kHz)

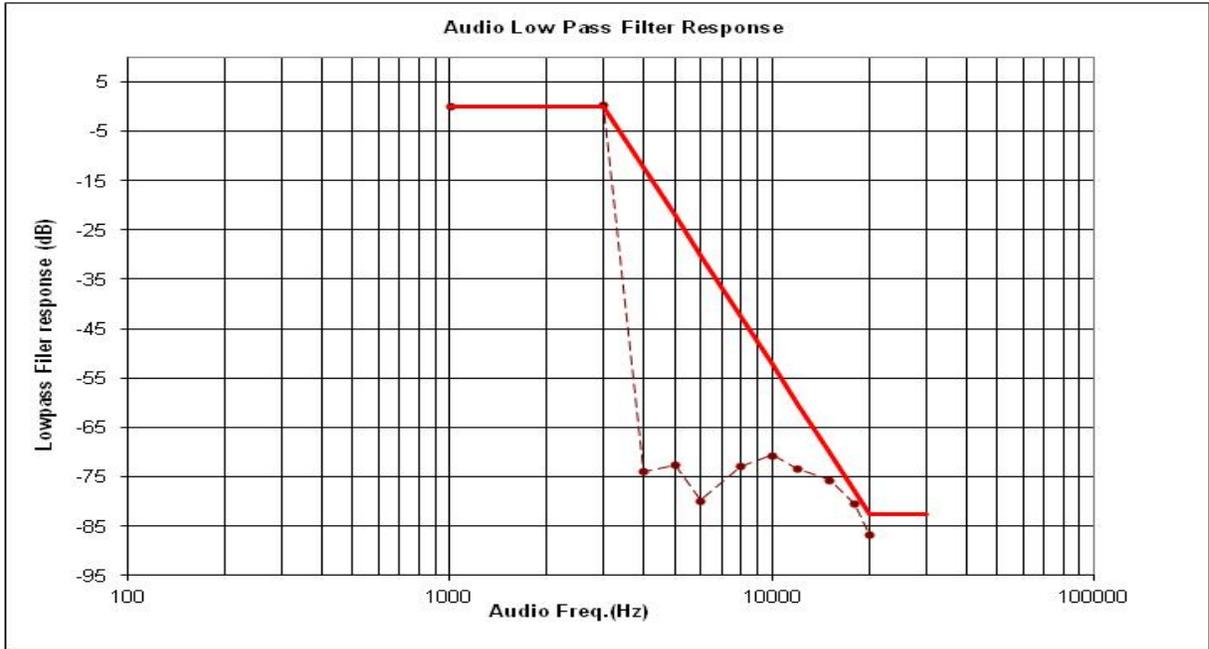


Exhibit 6C-1

Transmit Low Pass Filter Frequency Response

(Freq: 900.9875MHz, ChSp: 12.5 kHz)

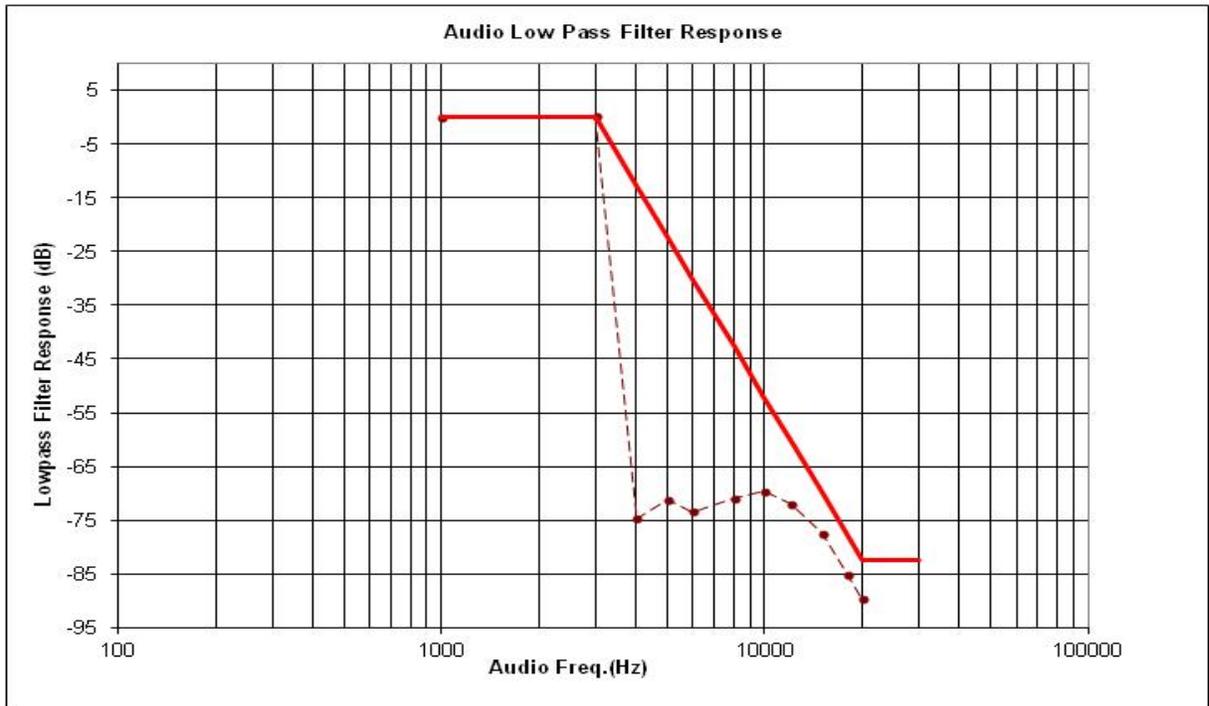


Exhibit 6C-2

Transmit Low Pass Filter Frequency Response
(Freq: 935.0125MHz, ChSp: 12.5 kHz)

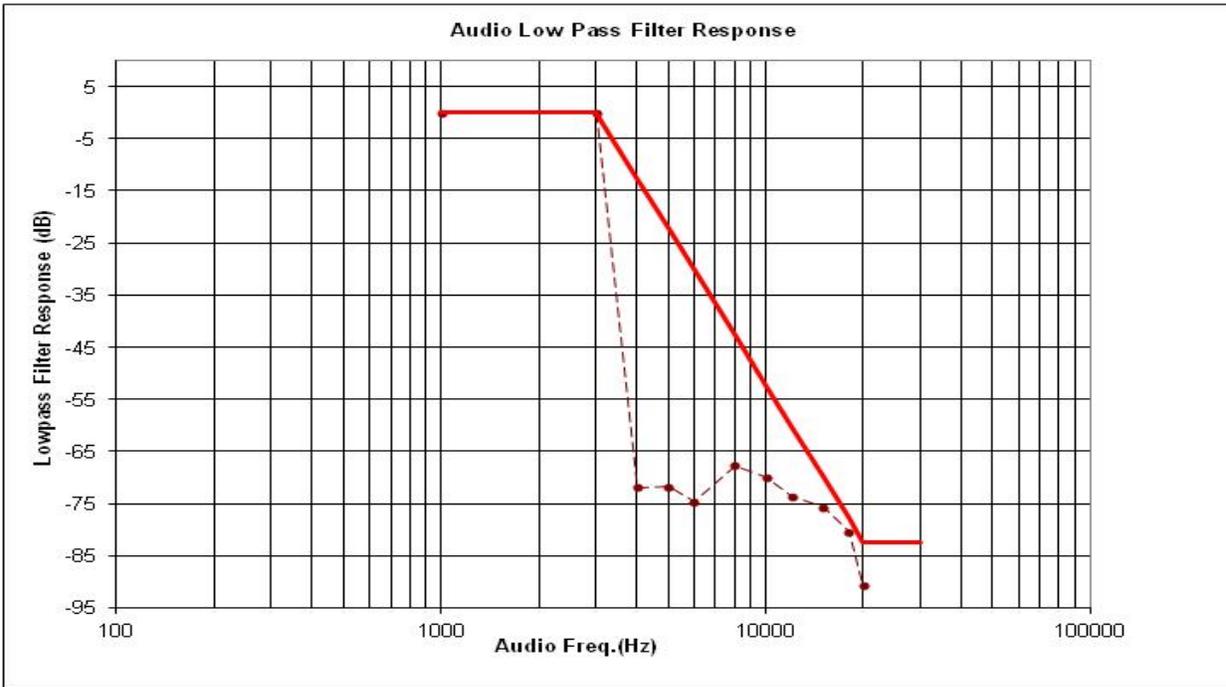


Exhibit 6C-3

Transmit Low Pass Filter Frequency Response
(Freq: 939.9875MHz, ChSp: 12.5 kHz)

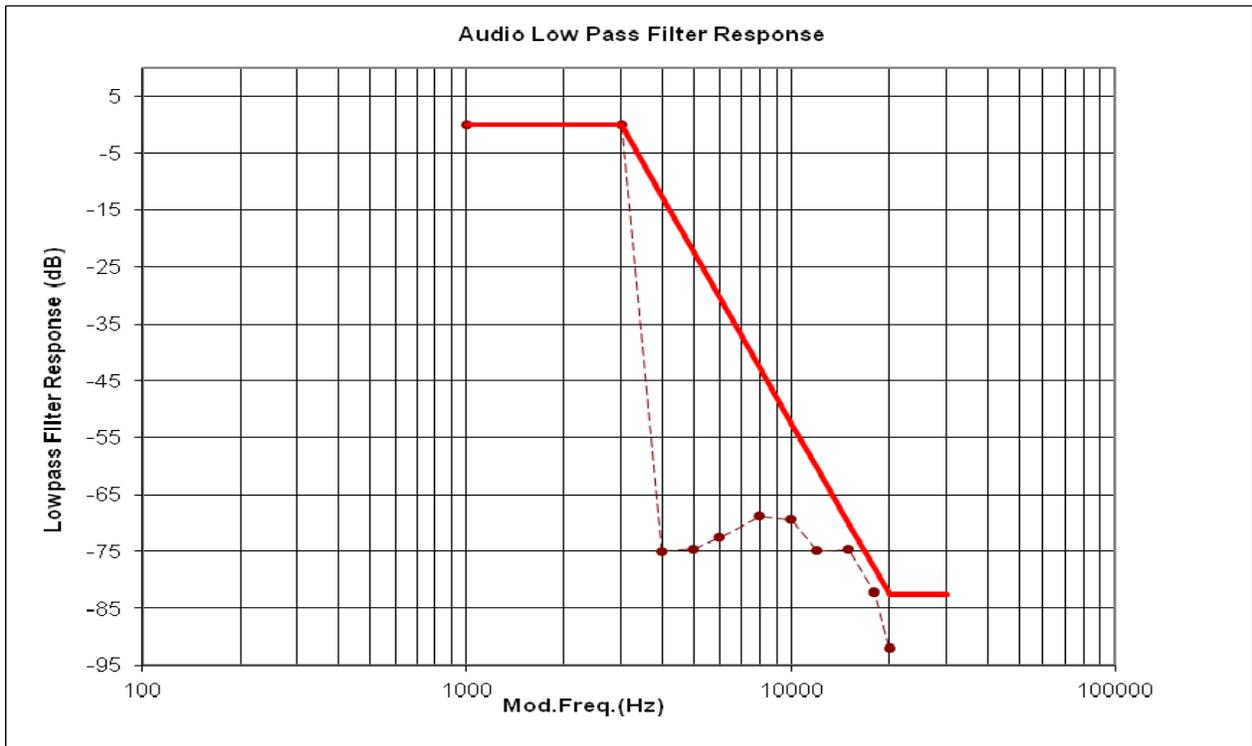


Exhibit 6C-4
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EXHIBIT 6D

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

Modulation Limiting (Freq: 899.0125MHz, ChSp: 12.5 kHz)

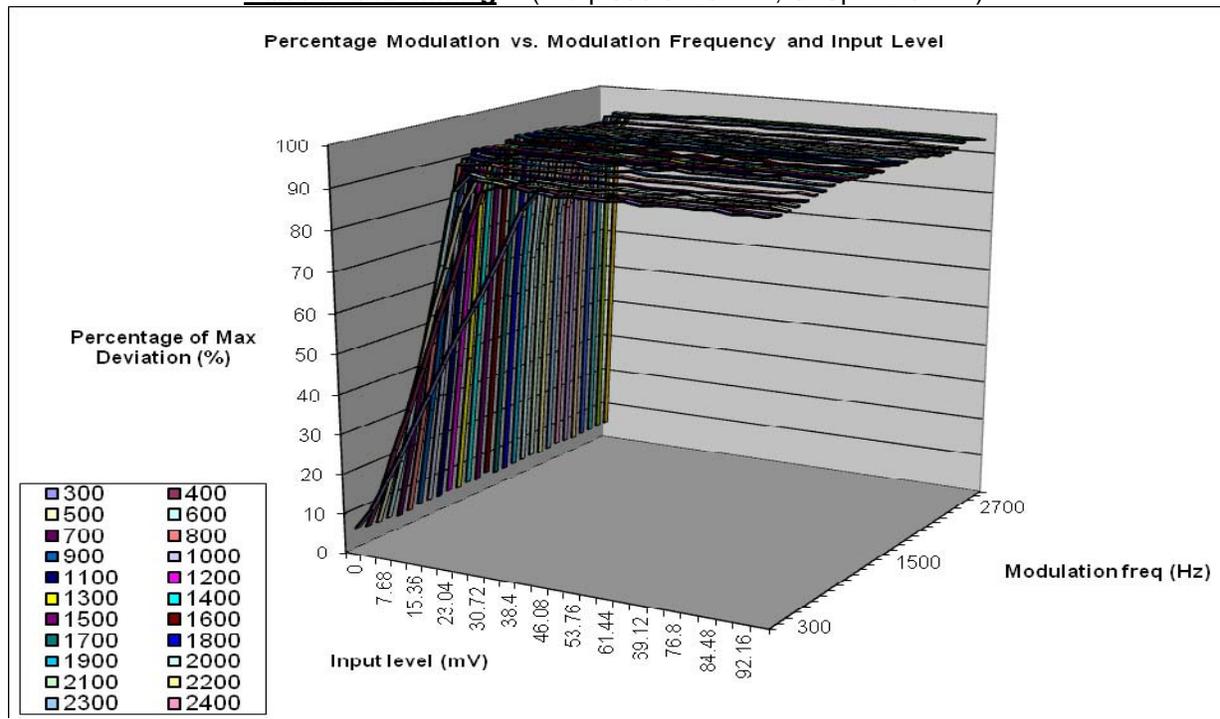


Exhibit 6D-1

Modulation Limiting (Freq: 938.0125MHz, ChSp: 12.5 kHz)

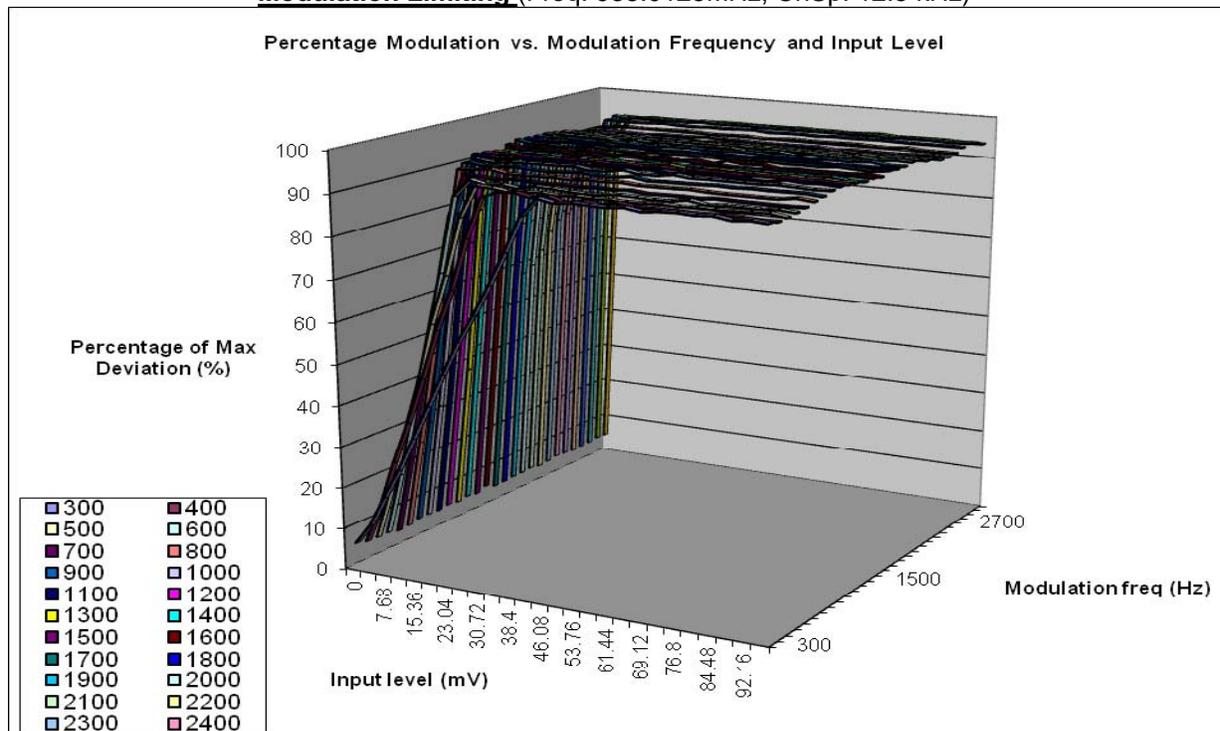


Exhibit 6D-2

BANDWIDTH CALCULATIONS:

Carson's Rule for FM modulation is utilized to compute the bandwidth shown in the FCC emission designator. Carson's Rule is: $BW = 2 * (M + D)$ where: BW = Bandwidth
M= Maximum modulating frequency
D = Deviation

Shown below are the calculations required for FCC ID: AZ489FT5864.

EXHIBIT 6E-1

Standard Audio Modulation (12.5 kHz Channelization, Analog Voice):
Emission Designator 11K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz} \Rightarrow 11K0$
F3E portion of the designator indicates voice.

Therefore, the entire designator for 12.5 kHz channelization analog voice is 11K0F3E.

EXHIBIT 6E-2

Digital (12.5 kHz Channelization, Digital Data):
Emission Designator 8K10F1D

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X kHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA TSB102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1D portion of the designator indicates digital data.

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

EXHIBIT 6E-3

Digital (12.5 kHz Channelization, Digital Voice):
Emission Designator 8K10F1E

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X kHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA TSB102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1E portion of the designator indicates digital voice.

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

EXHIBIT 6E-4

Digital (12.5 kHz Channelization, Digital TDMA):
Emission Designator 8K10F1W

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X kHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA TSB102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1W portion of the designator indicates digital TDMA.

Therefore, the entire designator for 12.5 kHz channelization digital TDMA is 8K10F1W.

EXHIBIT 6E

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

Occupied Bandwidth (Analog Voice: 11K0F3E)

Frequency = 896.0125MHz

Channel Spacing = 12.5 kHz

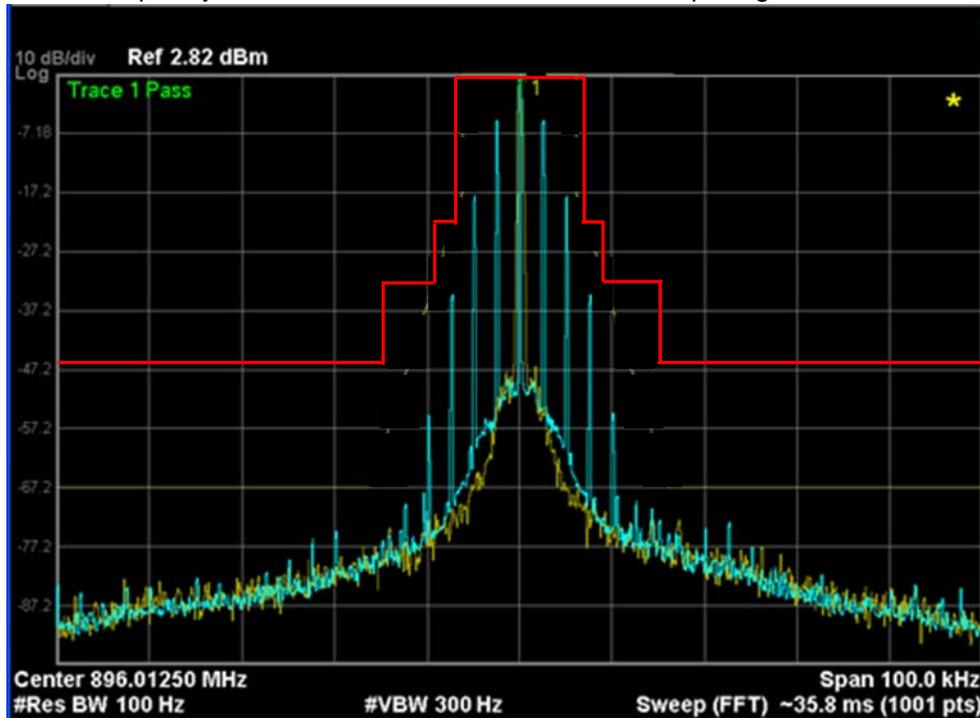


Exhibit 6E-1

Occupied Bandwidth (Analog Voice: 11K0F3E)

Frequency = 900.9875 MHz

Channel Spacing = 12.5 kHz

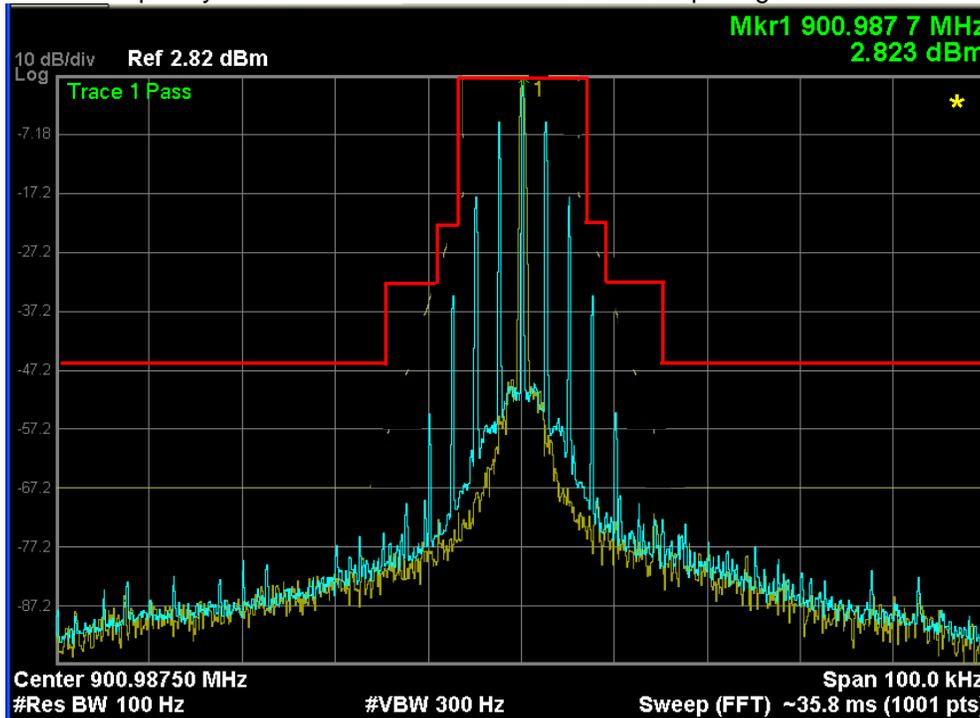


Exhibit 6E-2

Occupied Bandwidth (Analog Voice: 11K0F3E)
Frequency = 935.0125MHz Channel Spacing = 12.5 kHz

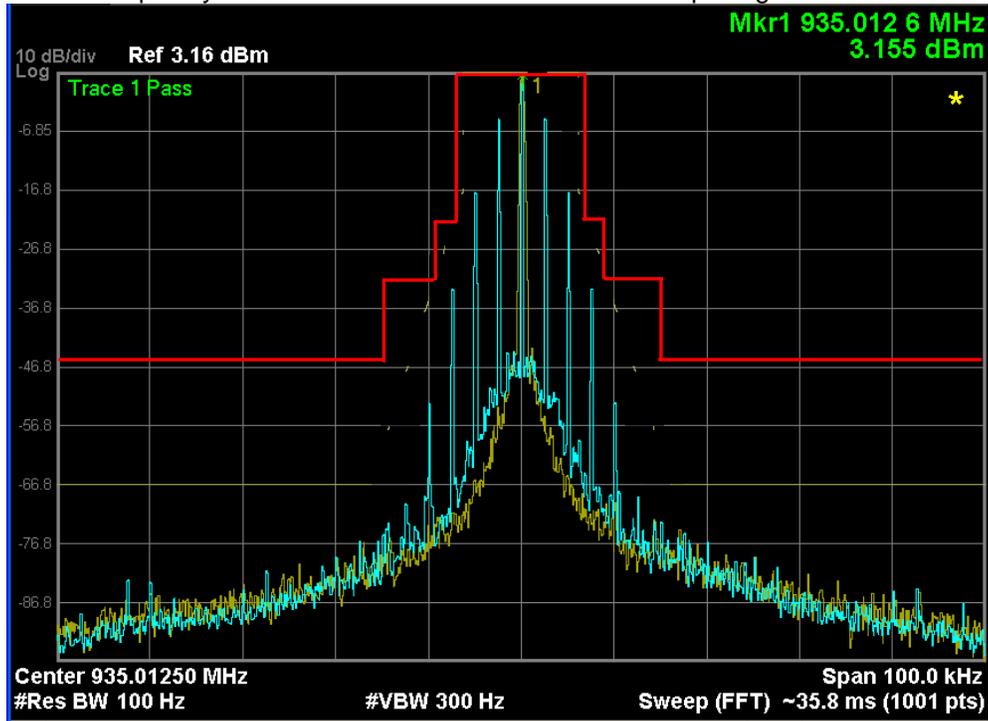


Exhibit 6E-3

Occupied Bandwidth (Analog Voice: 11K0F3E)
Frequency = 939.9875 MHz Channel Spacing = 12.5 kHz

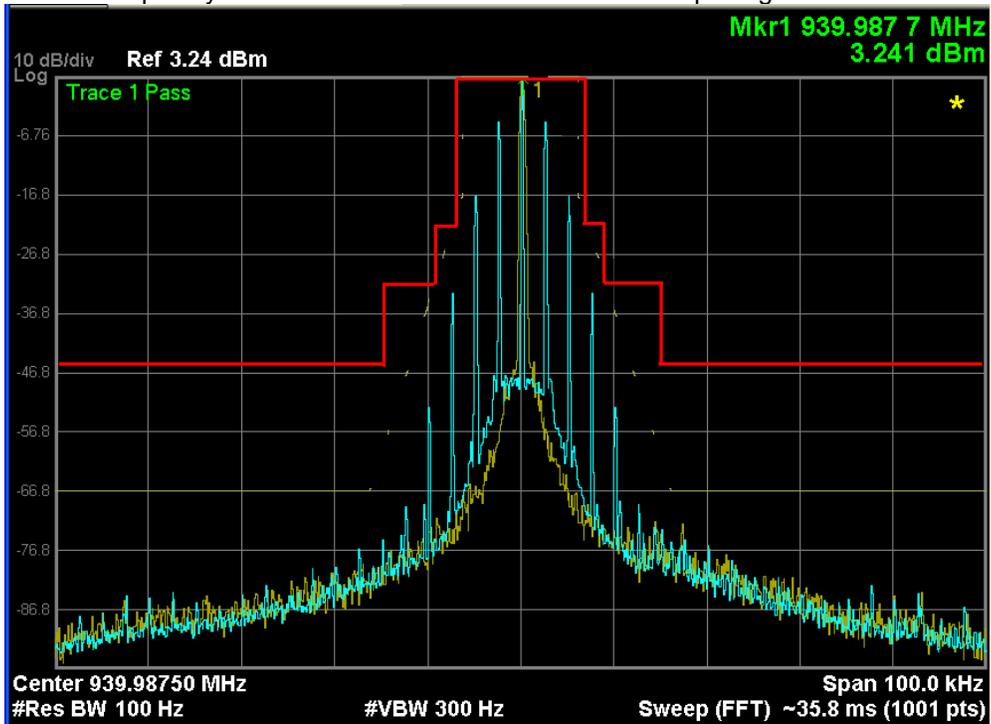


Exhibit 6E-4

Occupied Bandwidth (Digital Data: 8K10F1D)
Frequency = 896.0125 MHz Channel Spacing = 12.5 kHz

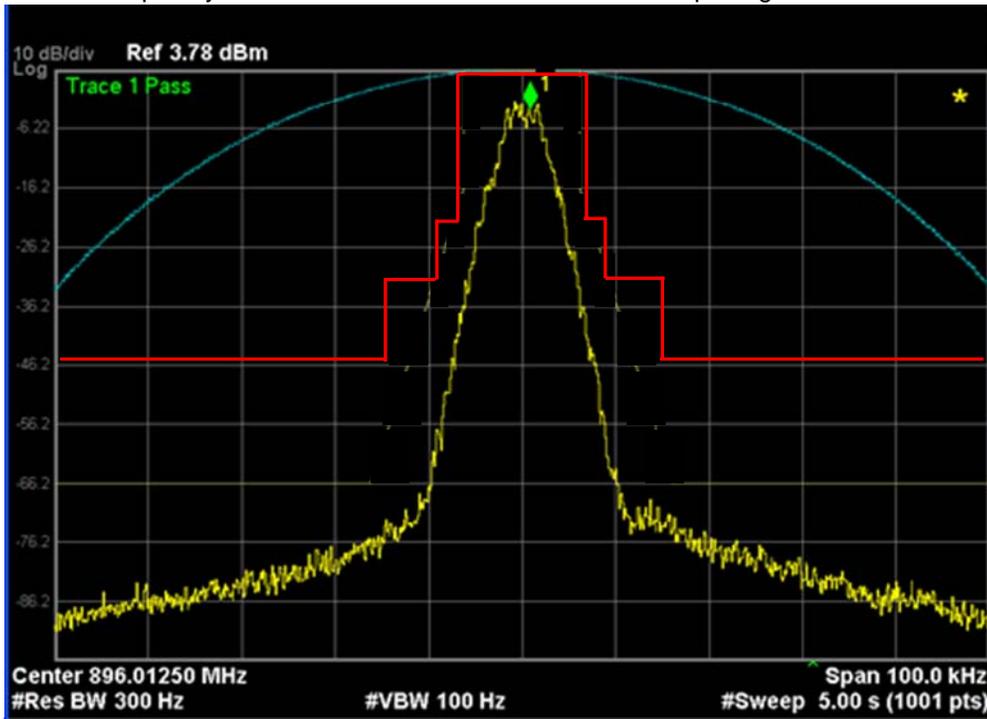


Exhibit 6E-5

Occupied Bandwidth (Digital Data: 8K10F1D)
Frequency = 900.9875 MHz Channel Spacing = 12.5 kHz

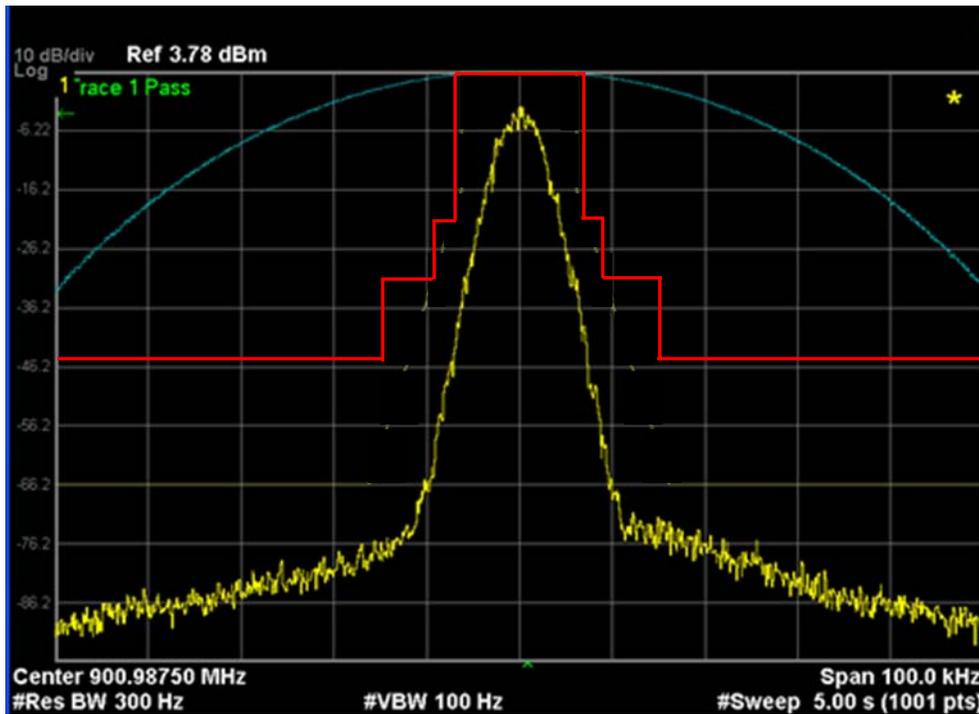


Exhibit 6E-6

Occupied Bandwidth (Digital Data: 8K10F1D)
Frequency = 935.0125 MHz Channel Spacing = 12.5 kHz

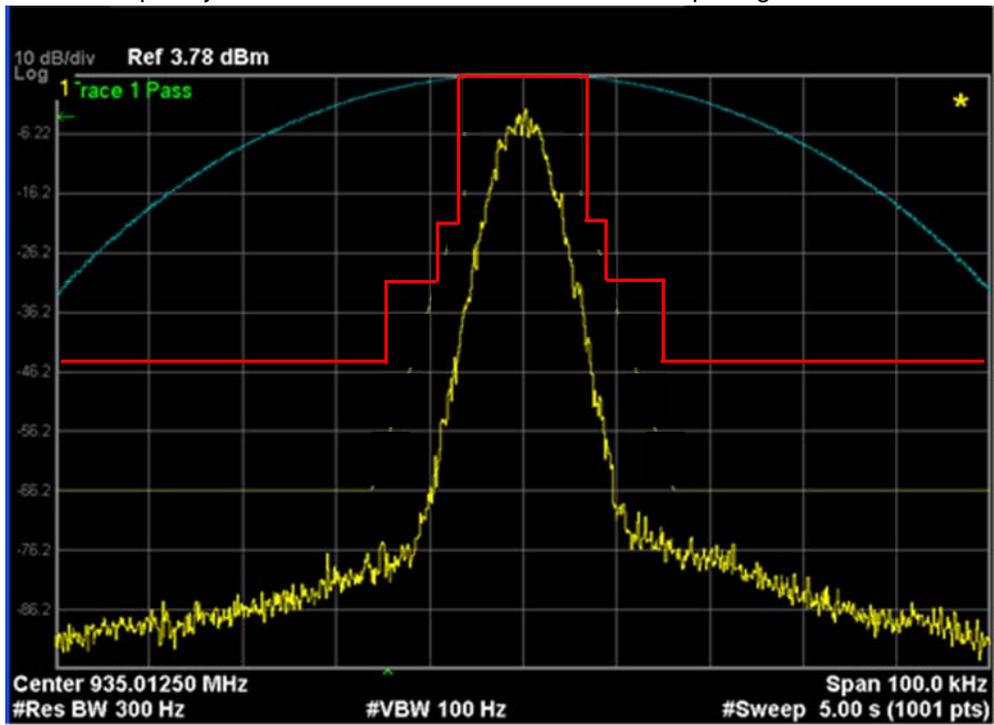


Exhibit 6E-7

Occupied Bandwidth (Digital Data: 8K10F1D)
Frequency = 939.9875 MHz Channel Spacing = 12.5 kHz

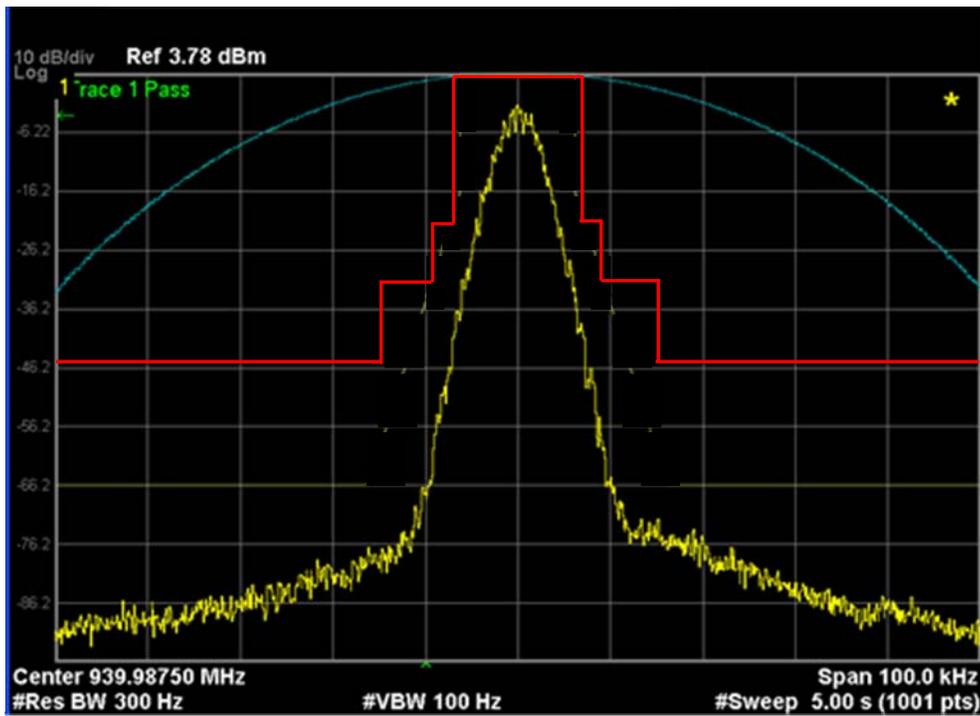


Exhibit 6E-8

Occupied Bandwidth (Digital Voice: 8K10F1E)
Frequency = 896.0125 MHz Channel Spacing = 12.5 kHz

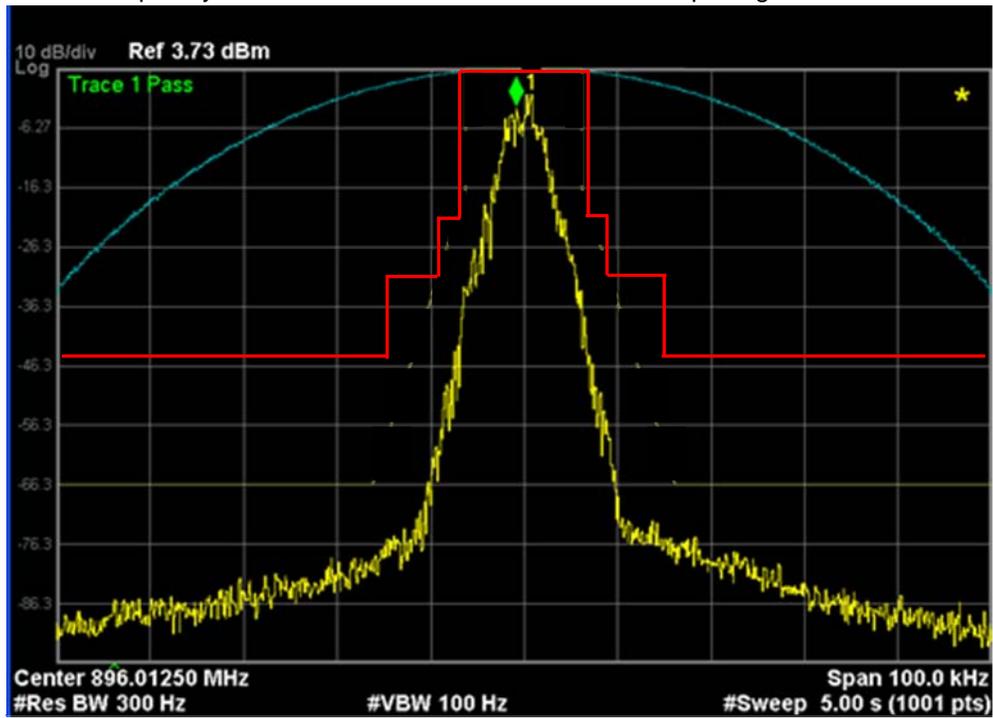


Exhibit 6E-9

Occupied Bandwidth (Digital Voice: 8K10F1E)
Frequency = 900.9875 MHz Channel Spacing = 12.5 kHz

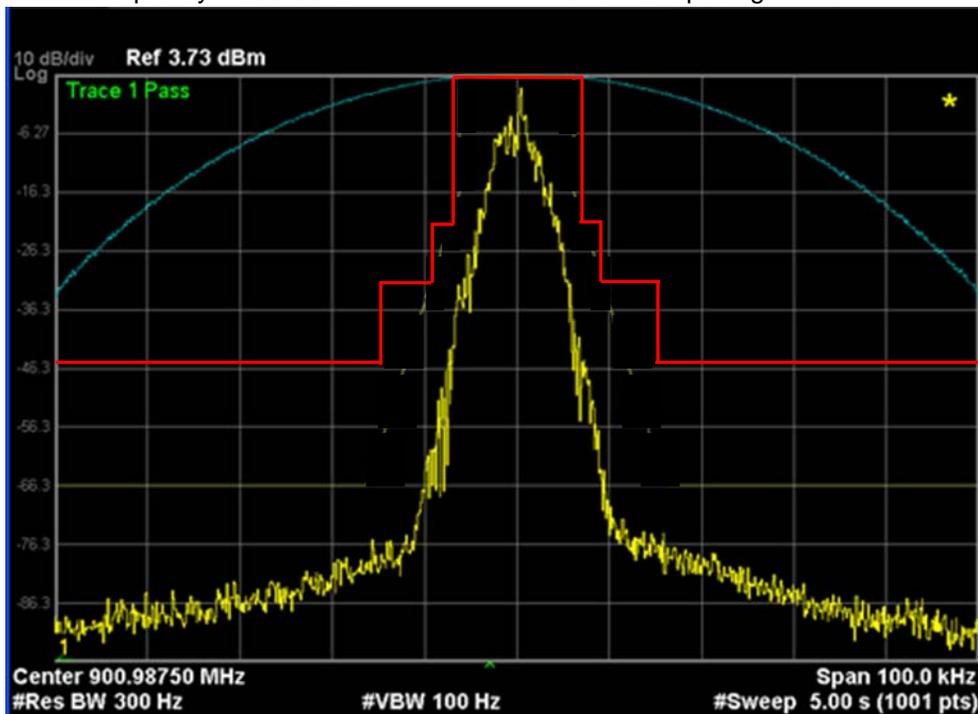


Exhibit 6E-10

Occupied Bandwidth (Digital Voice: 8K10F1E)
Frequency = 935.0125 MHz Channel Spacing = 12.5 kHz

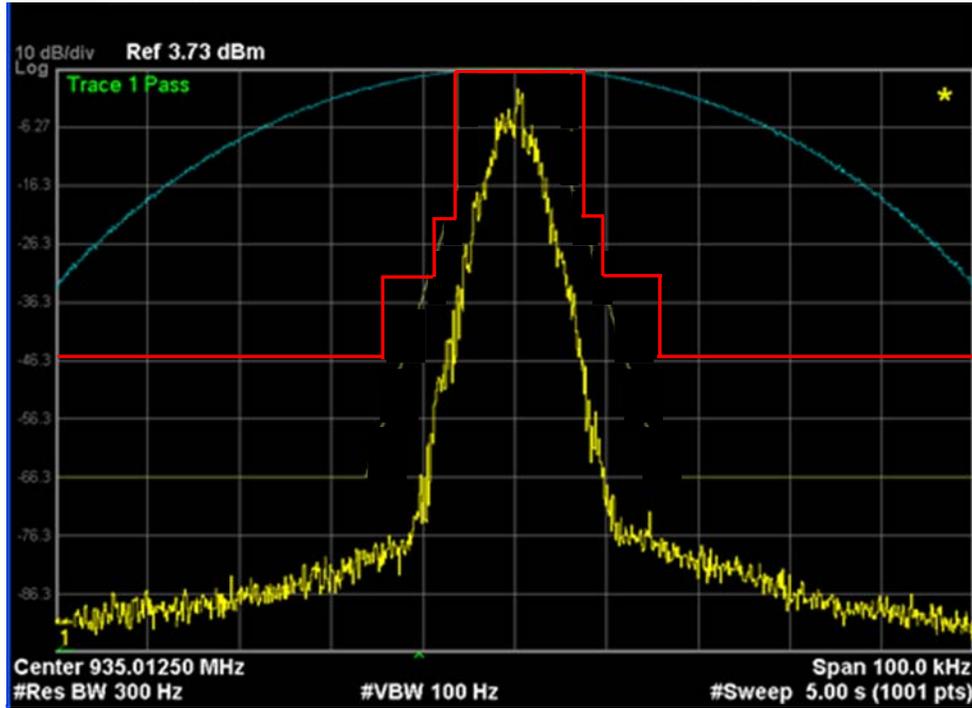


Exhibit 6E-11

Occupied Bandwidth (Digital Voice: 8K10F1E)
Frequency = 939.9875 MHz Channel Spacing = 12.5 kHz

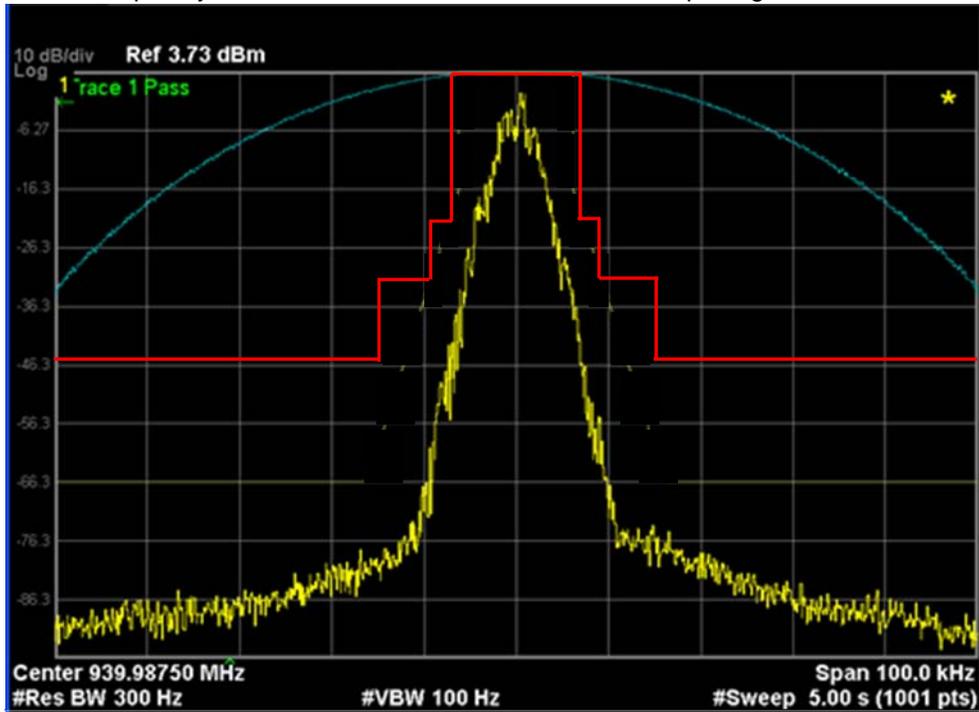


Exhibit 6E-12

Occupied Bandwidth (Digital TDMA: 8K10F1W)
Frequency = 896.0125 MHz Channel Spacing = 12.5 kHz

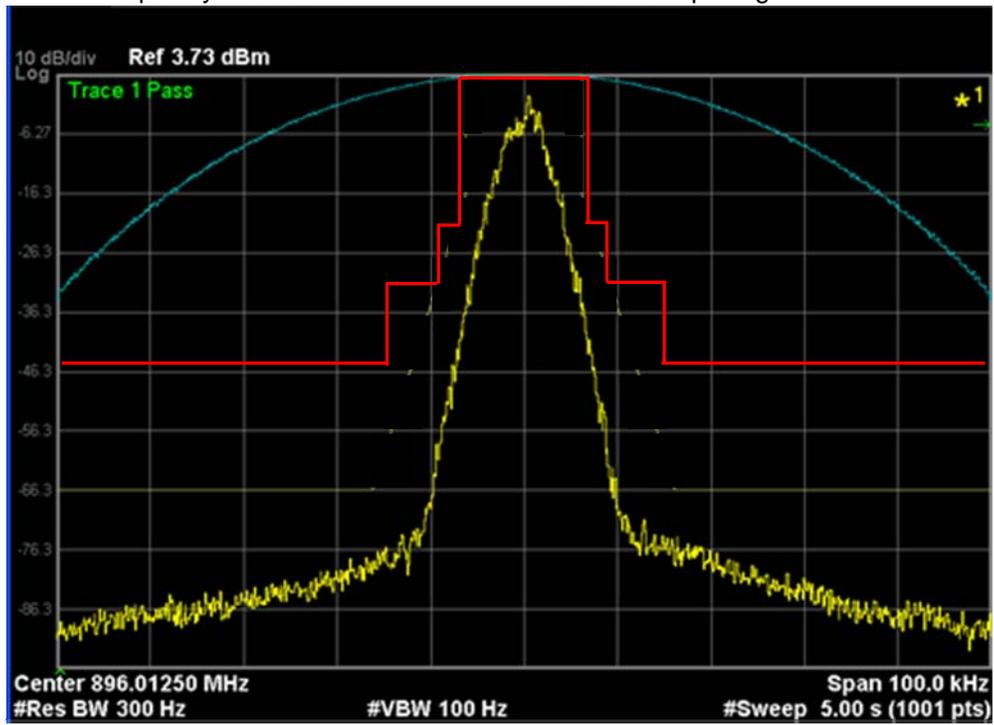


Exhibit 6E-13

Occupied Bandwidth (Digital TDMA: 8K10F1W)
Frequency = 900.9875 MHz Channel Spacing = 12.5 kHz

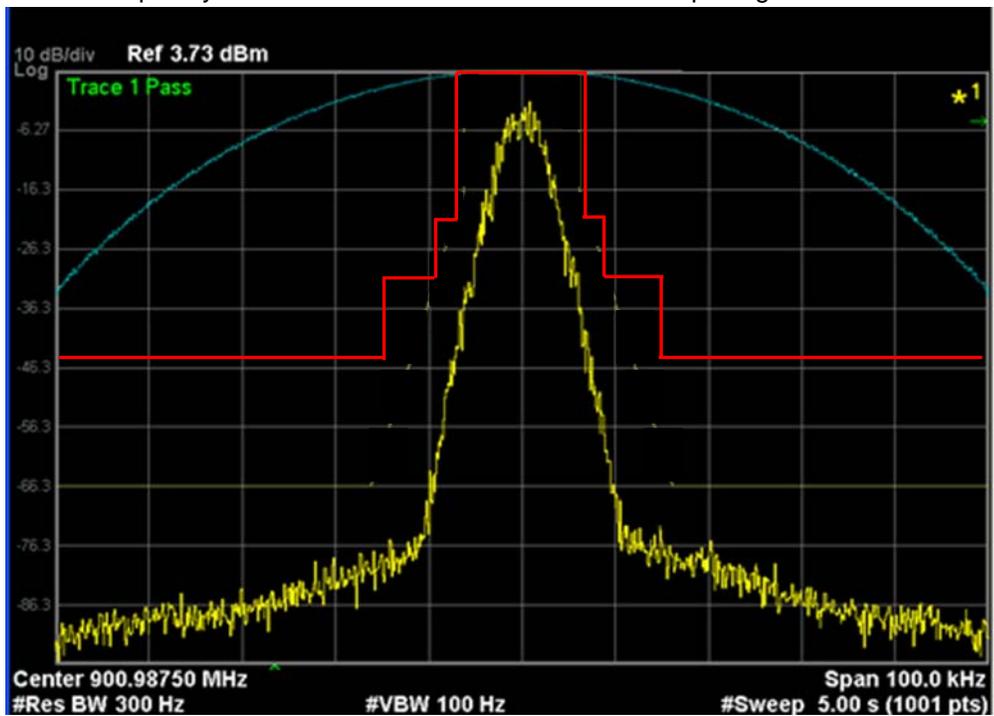


Exhibit 6E-14

Occupied Bandwidth (Digital TDMA: 8K10F1W)
Frequency = 935.0125 MHz Channel Spacing = 12.5 kHz

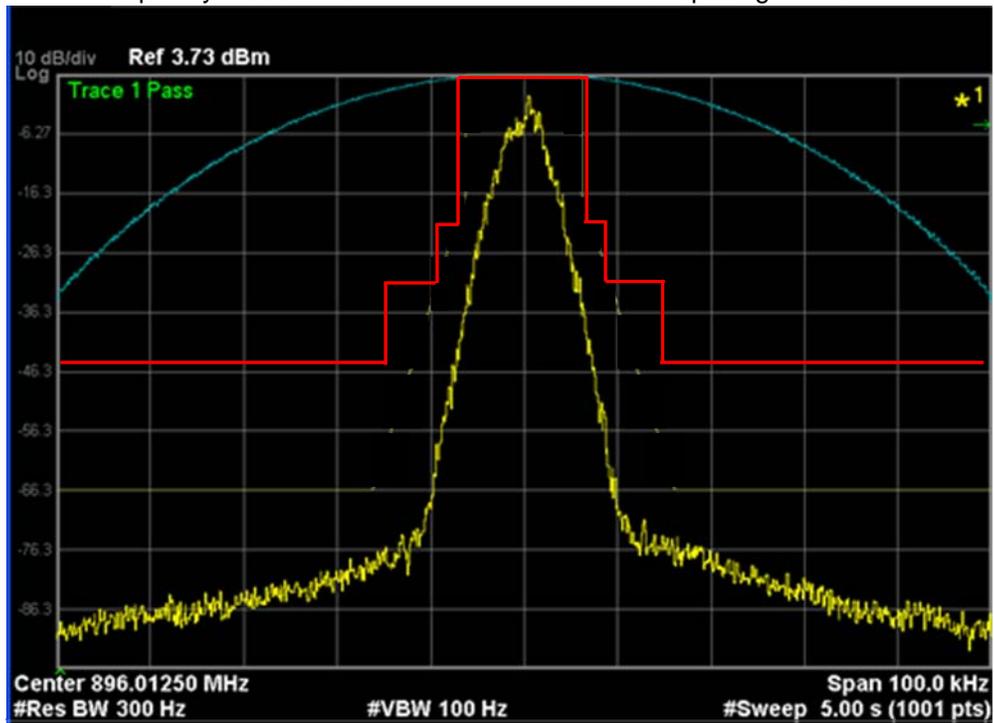


Exhibit 6E-15

Occupied Bandwidth (Digital TDMA: 8K10F1W)
Frequency = 939.9875 MHz Channel Spacing = 12.5 kHz

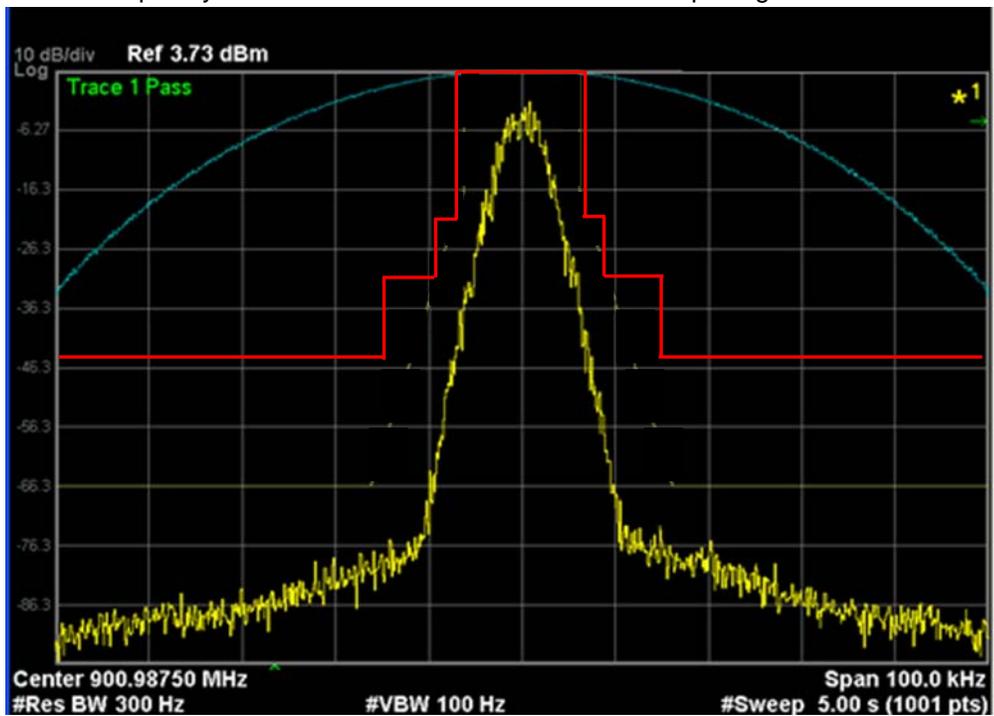


Exhibit 6E-16

****NOTE:-**

- **All measurements of Occupied Bandwidth which are shown on the above plots are measured using a Spectrum Analyzer**
- **Measurement using a Spectrum Analyzer must use a 30dB attenuation in order to avoid damage to it**
- **Therefore the reference power level (Ref) shown on each plot refers to its true power level**

EXHIBIT 6G

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

Frequency Stability (899.0125 MHz) vs. Supply Voltage

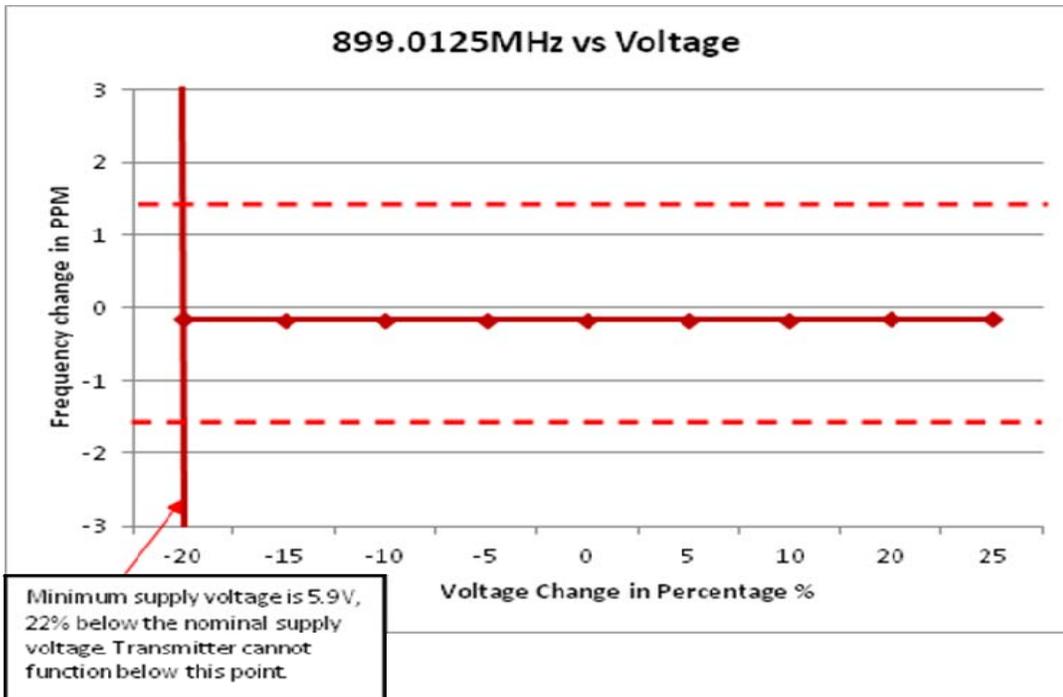


Exhibit 6G-1

Frequency Stability (938.0125 MHz) vs. Supply Voltage

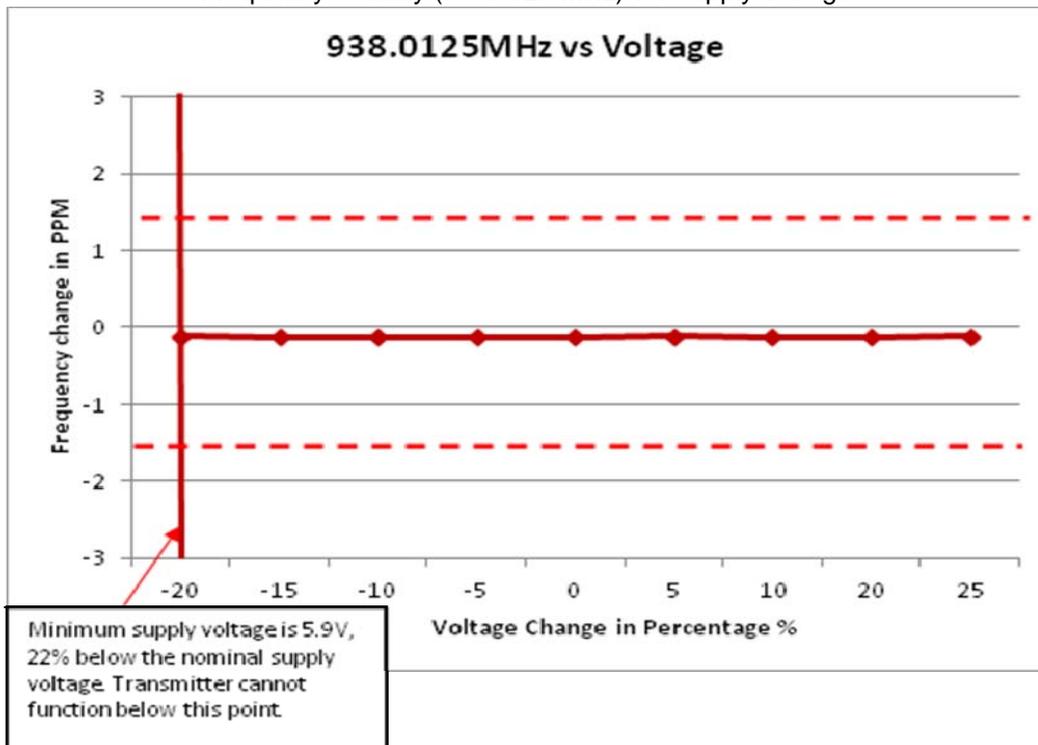


Exhibit 6G-2

Frequency Stability (899.0125 MHz) vs. Temperature

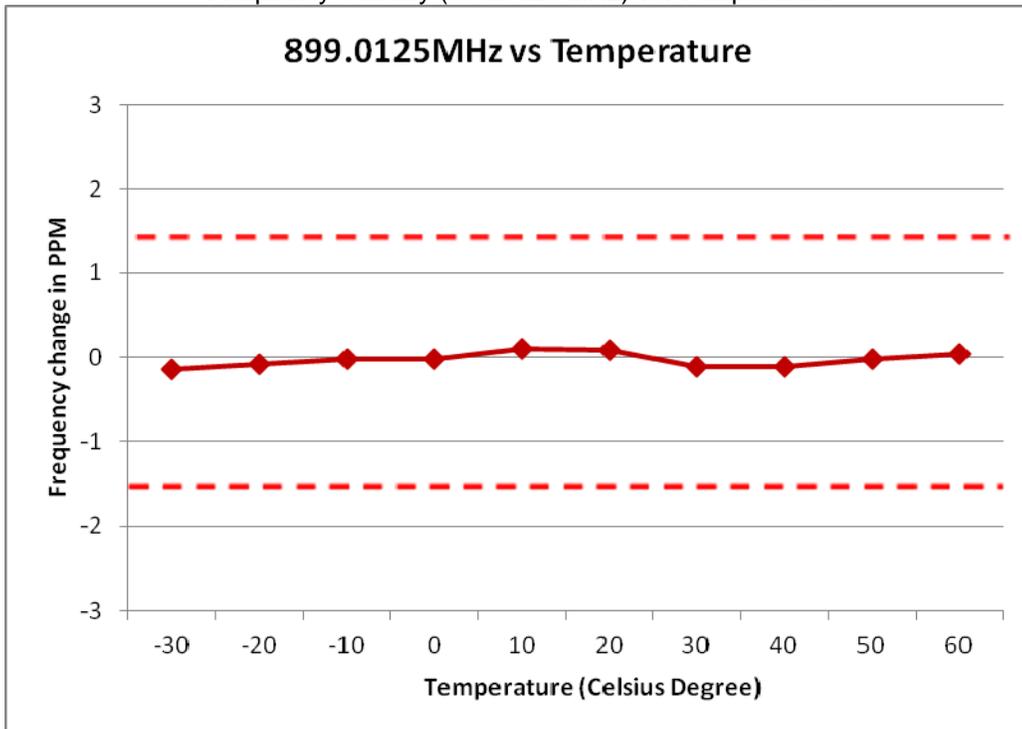


Exhibit 6G-3

Frequency Stability (938.0125 MHz) vs. Temperature

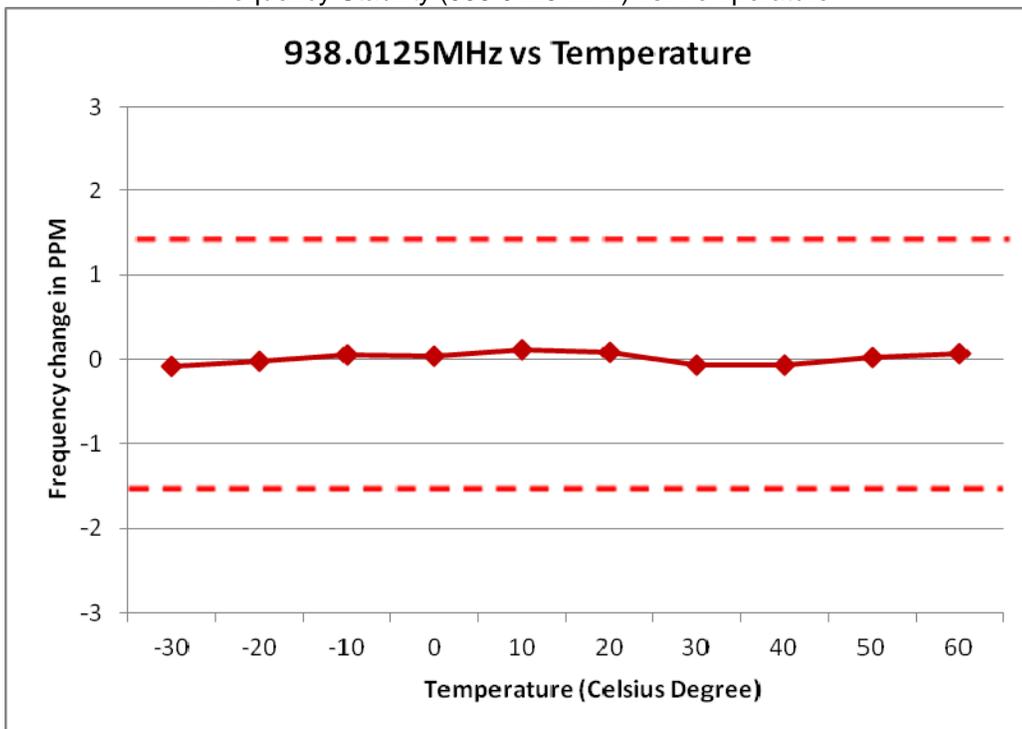


Exhibit 6G-4

EXHIBIT 6H

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

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

Spurs which are not shown is less than 100dB

896.0125 MHz, 12.5 kHz Channel Spacing, 3.0Watts

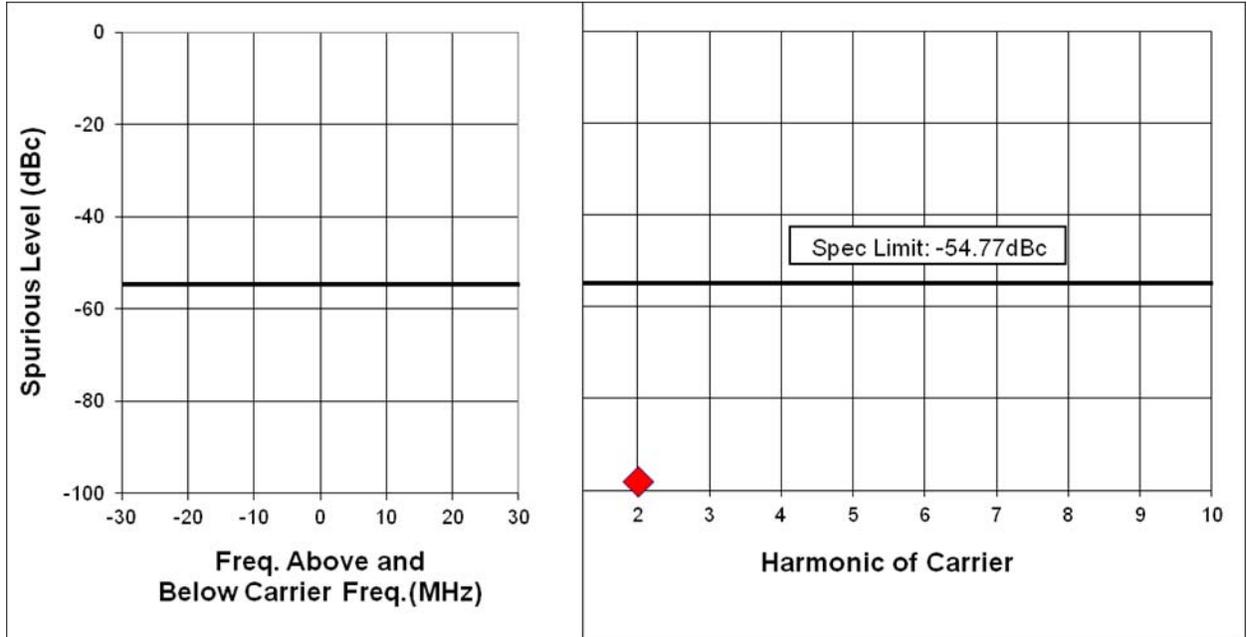


Exhibit 6H-1

899.0125 MHz, 12.5 kHz Channel Spacing, 3.0Watts

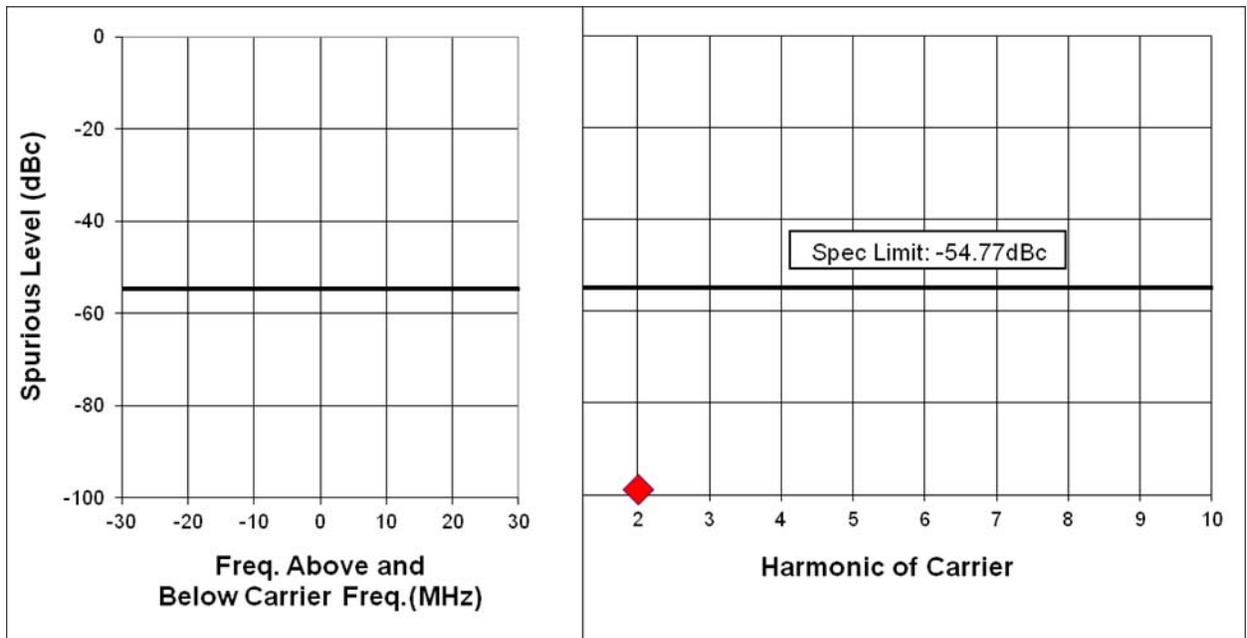


Exhibit 6H-2

900.9875 MHz, 12.5 kHz Channel Spacing, 3.0Watts



Exhibit 6H-3

935.0125 MHz, 12.5 kHz Channel Spacing, 3.0Watts

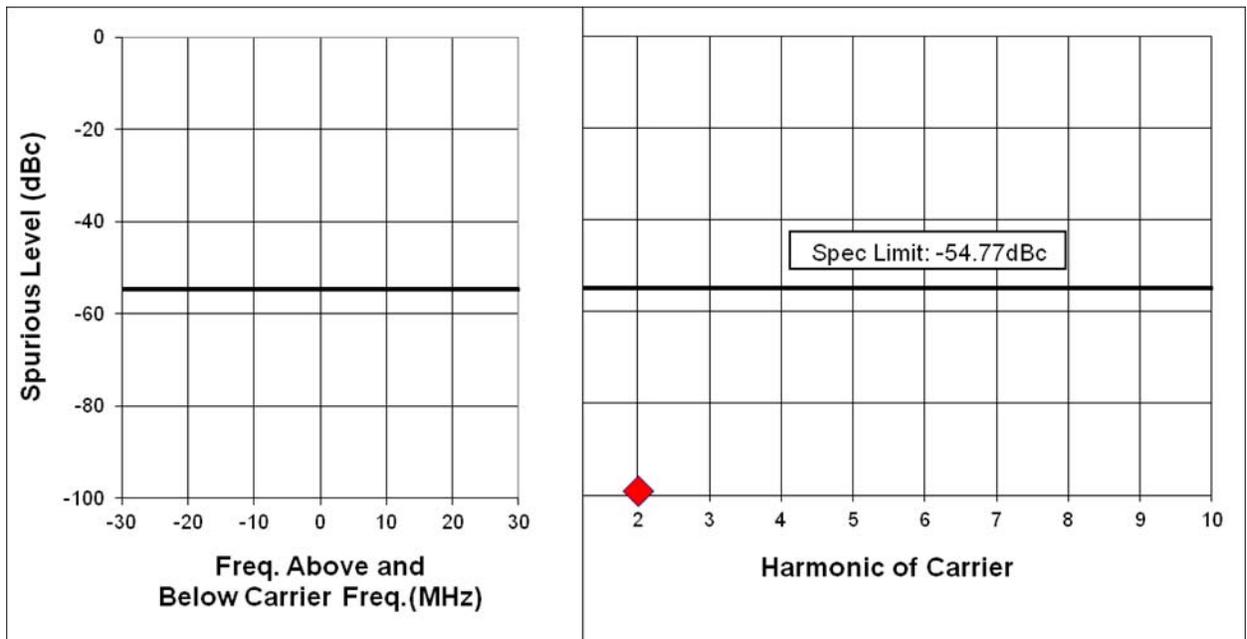


Exhibit 6H-4

938.0125 MHz, 12.5 kHz Channel Spacing, 3.0Watts

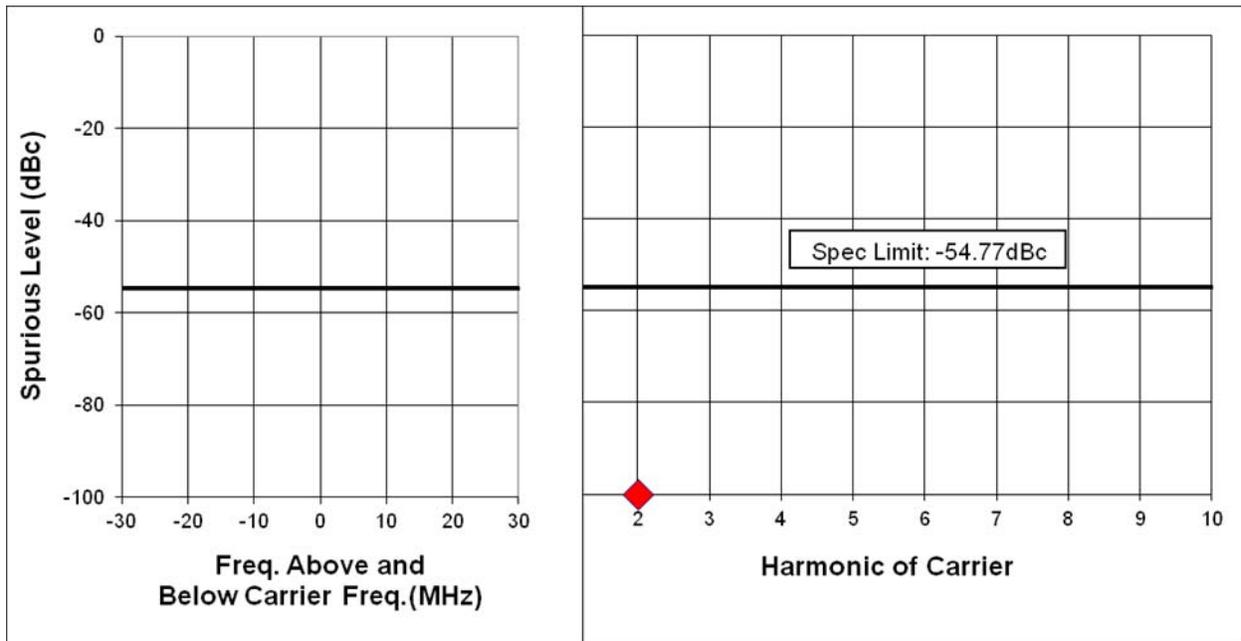


Exhibit 6H-5

939.9875 MHz, 12.5 kHz Channel Spacing, 3.0Watts

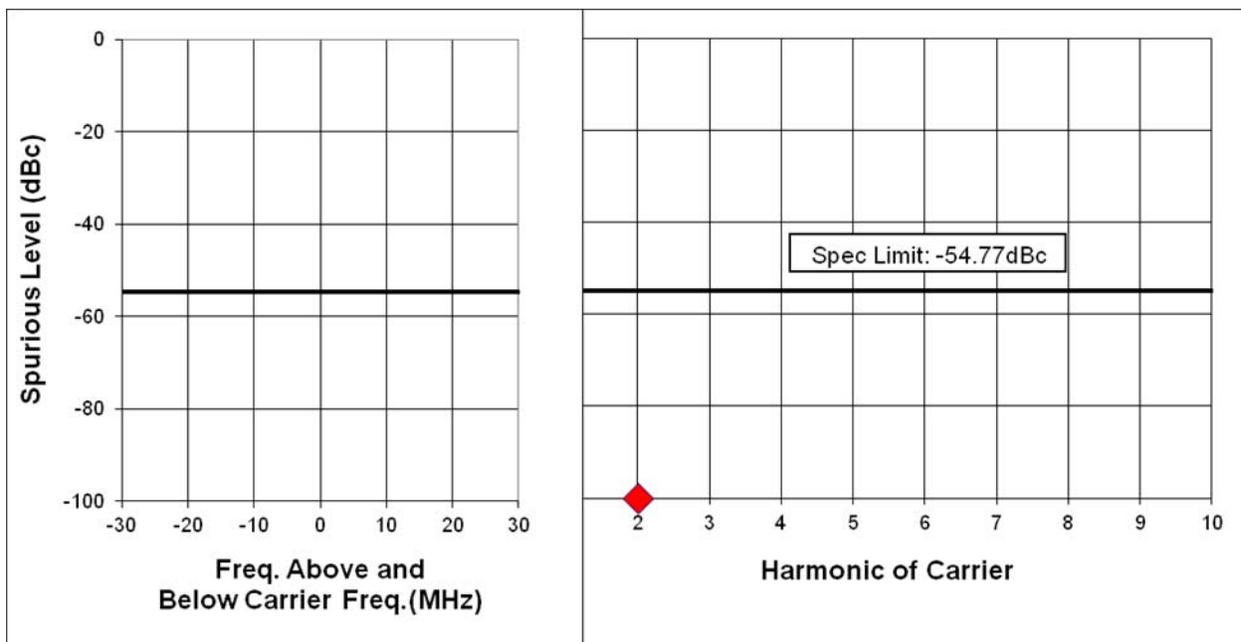


Exhibit 6H-6