

EXHIBIT 6**INDEX OF SUBMITTED MEASURED DATA**

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

EXHIBIT 6A – RF Power Output (Table)

EXHIBIT 6B – Audio Frequency Response

6B-1 –153.0125 MHz, 12.5 kHz Channel Spacing

6B-2 –153.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

EXHIBIT 6C – Audio Low Pass Filter Response

6C-1 –153.0125 MHz, 12.5 kHz Channel Spacing

6C-2 –153.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

EXHIBIT 6D – Modulation Limiting

6D-1 –153.0125 MHz, 12.5 kHz Channel Spacing

6D-2 –153.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

EXHIBIT 6E – Occupied Bandwidth

6E-1: 153.0125 MHz, 12.5 kHz, 2500 Hz Audio Modulation Only, 11K0F3E Mask D

6E-2: 153.0125 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B (Not for FCC review)

6E-3: 153.0125 MHz, 12.5 kHz, 2500 Hz Audio and PL Tone Modulation, 11K0F3E Mask D

6E-4: 153.0125 MHz, 12.5 kHz, 2500 Hz Audio and DPL Tone Modulation, 11K0F3E Mask D

6E-5: 153.0125 MHz, 25 kHz, 2500 Hz Audio and PL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-6: 153.0125 MHz, 25 kHz, 2500 Hz Audio and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-7: 153.0125 MHz, 12.5 kHz, DTMF Modulation Only, 11K0F3E Mask D

6E-8: 153.0125 MHz, 25 kHz, DTMF Modulation Only, 16K0F3E Mask B (Not for FCC review)

6E-9: 153.0125 MHz, 12.5 kHz, DTMF and PL Tone Modulation, 11K0F3E Mask D

6E-10: 153.0125 MHz, 12.5 kHz, DTMF and DPL Tone Modulation, 11K0F3E Mask D

6E-11: 153.0125 MHz, 25 kHz, DTMF and PL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-12: 153.0125 MHz, 25 kHz, DTMF and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-13: 153.0125 MHz, 12.5 kHz, 2000/3000 Hz FSK Data Modulation Only, 11K0F3E Mask D

6E-14: 153.0125 MHz, 25 kHz, 2000/3000 Hz FSK Data Modulation Only, 11K0F3E Mask B (Not for FCC review)

6E-15: 153.0125 MHz, 12.5 kHz, 2000/3000 Hz FSK Data and PL Tone Modulation, 11K0F3E Mask D

6E-16: 153.0125 MHz, 12.5 kHz, 2000/3000 Hz FSK Data and DPL Tone Modulation, 11K0F3E Mask D

6E-17: 153.0125 MHz, 25 kHz, 2000/3000 Hz FSK Data and PL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-18: 153.0125 MHz, 25 kHz, 2000/3000 Hz FSK Data and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-19: 153.0125 MHz, O.153 Test Pattern 4FSK Voice (F2 BER) and Data Modulation, 7K60FXE Mask D

6E-20: 153.0125 MHz, O.153 Test Pattern 4FSK Voice (F2 Silent) and Data Modulation, 7K60FXD Mask D

EXHIBIT 6F – Radiated Spurious Emissions

6F-1 – 138.0125 MHz, 12.5 kHz Channel Spacing, 6W (Not for FCC review) and

153.0125 MHz, 12.5 kHz Channel Spacing, 6W

6F-2 – 162.0125 MHz, 12.5 kHz Channel Spacing, 6W and

173.0125 MHz, 12.5 kHz Channel Spacing, 6W

6F-3 – 138.0125 MHz, 25 kHz Channel Spacing, 6W (Not for FCC review) and
153.0125 MHz, 25 kHz Channel Spacing, 6W (Not for FCC review)
6F-4 – 162.0125 MHz, 25 kHz Channel Spacing, 6W (Not for FCC review) and
173.0125 MHz, 25 kHz Channel Spacing, 6W (Not for FCC review)

EXHIBIT 6G – Conducted Spurious Emissions

6G-1 – 138.0125 MHz, 12.5 kHz Channel Spacing, 6W (Not for FCC review)
6G-2 – 138.0125 MHz, 25 kHz Channel Spacing, 6W (Not for FCC review)
6G-3 – 153.0125 MHz, 12.5 kHz Channel Spacing, 6W
6G-4 – 153.0125 MHz, 25 kHz Channel Spacing, 6W (Not for FCC review)
6G-5 – 162.0125 MHz, 12.5 kHz Channel Spacing, 6W
6G-6 – 162.0125 MHz, 25 kHz Channel Spacing, 6W (Not for FCC review)
6G-7 – 173.0125 MHz, 12.5 kHz Channel Spacing, 6W
6G-8 – 173.0125 MHz, 25 kHz Channel Spacing, 6W (Not for FCC review)
6G-9 – 6W Power 153.0125 MHz, 25 kHz Channel Spacing (Analog Mode) (Part 80.211(c))

EXHIBIT 6H – Frequency Stability

6H-1 – Frequency Stability vs. Temperature
6H-2 – Frequency Stability vs. Supply Voltage

EXHIBIT 6I – Transient Frequency Behavior

6I-1 – 153.0125 MHz, 12.5 kHz Channel Spacing – Transmitter On
6I-2 – 153.0125 MHz, 12.5 kHz Channel Spacing – Transmitter Off
6I-3 – 153.0125 MHz, 25 kHz Channel Spacing – Transmitter On (Not for FCC review)
6I-4 – 153.0125 MHz, 25 kHz Channel Spacing – Transmitter Off (Not for FCC review)

** Please note that the above data were taken following the procedures and limits outlined in TIA 603-D, RSS 119 and RSS 182 during the month of January 2013. See Table 2 in Ex07_test procedures

EXHIBIT 6A
RF Conducted Power Output Data**Frequency = 138.0125 MHz**

Output RF power	1.03 Watts
DC Voltage	7.40 Volts
DC Current	0.81 Amps
Output RF power	5.92 Watts
DC Voltage	7.40 Volts
DC Current	1.81 Amps

Frequency = 153.0125 MHz:

Output RF power	1.02 Watts
DC Voltage	7.40 Volts
DC Current	0.69 Amps
Output RF power	5.89 Watts
DC Voltage	7.40 Volts
DC Current	1.67 Amps

Frequency = 162.0125 MHz:

Output RF power	1.02 Watts
DC Voltage	7.40 Volts
DC Current	0.71Amps
Output RF power	5.92 Watts
DC Voltage	7.40 Volts
DC Current	1.78 Amps

Frequency = 173.0125 MHz:

Output RF power	1.00 Watts
DC Voltage	7.40 Volts
DC Current	0.74 Amps
Output RF power	5.91 Watts
DC Voltage	7.40 Volts
DC Current	1.81 Amps

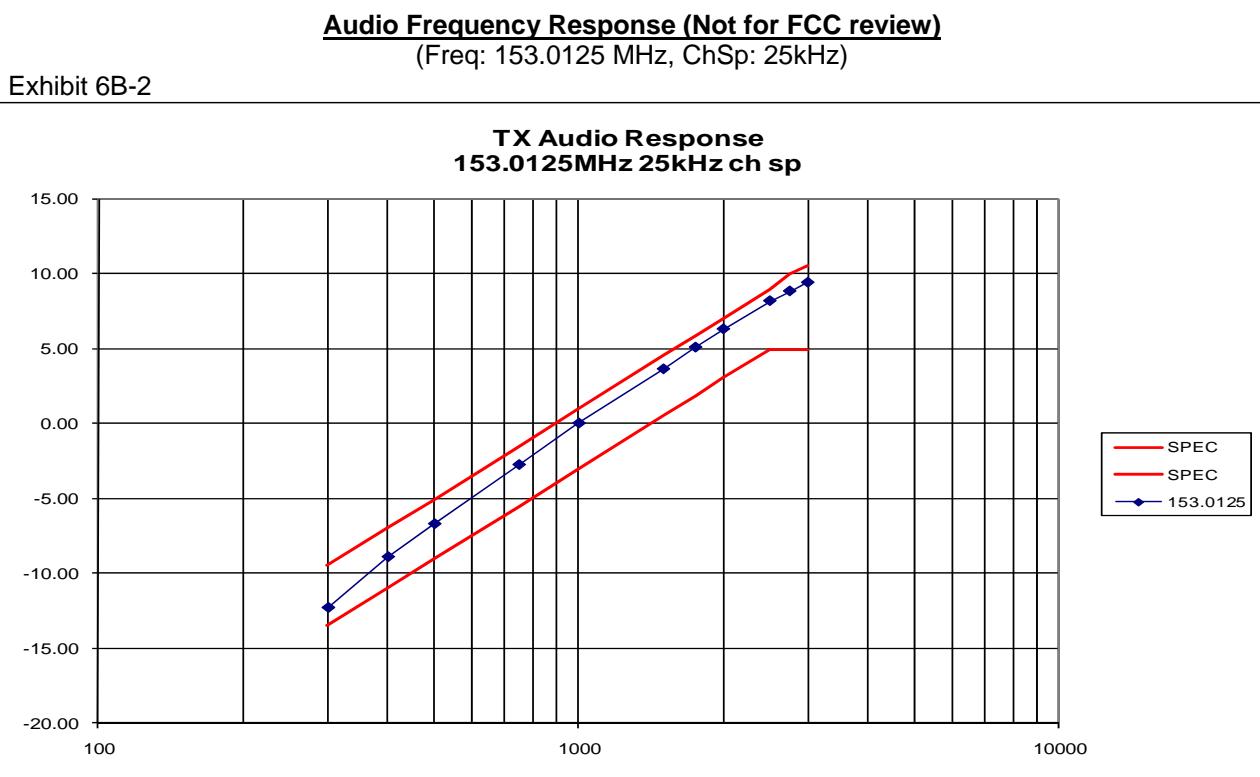
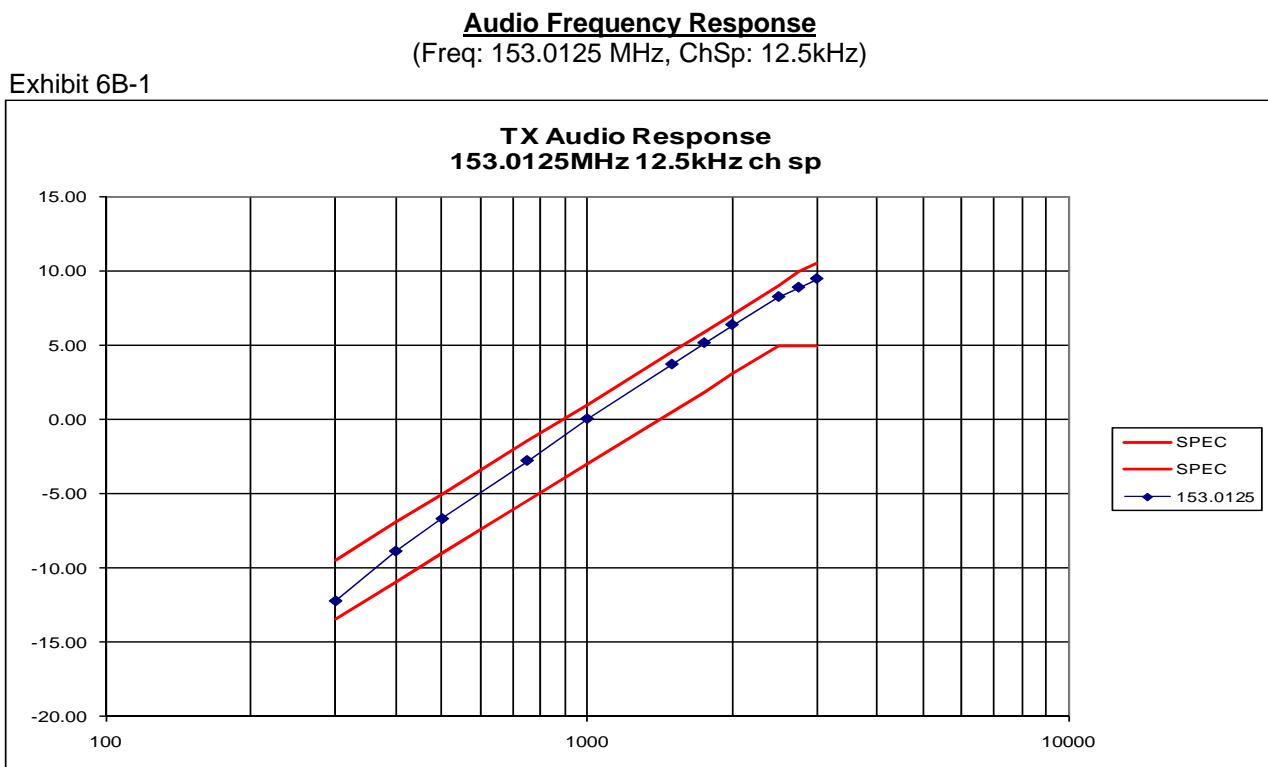
EXHIBIT 6B
Transmit Audio Response

EXHIBIT 6C
Audio Low Pass Filter Response**Transmit Low Pass Filter Frequency Response**
(Freq: 153.0125 MHz, ChSp: 12.5 kHz)

Exhibit 6C-1

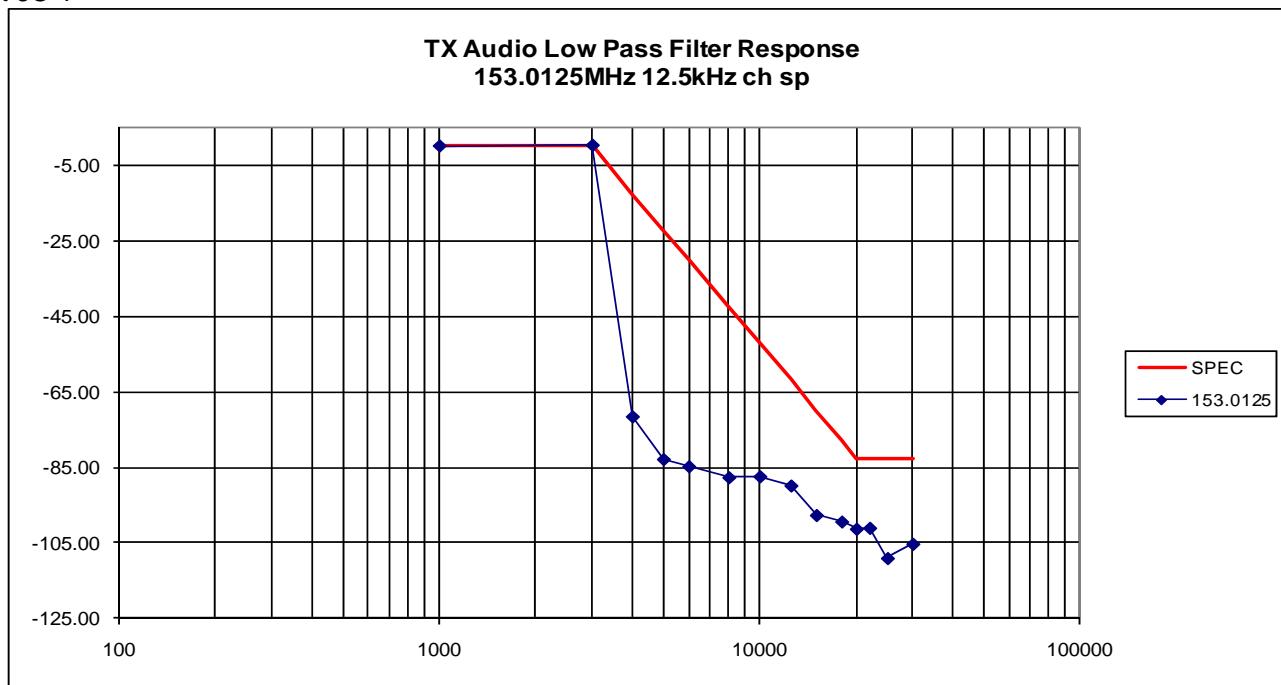


Exhibit 6C-2

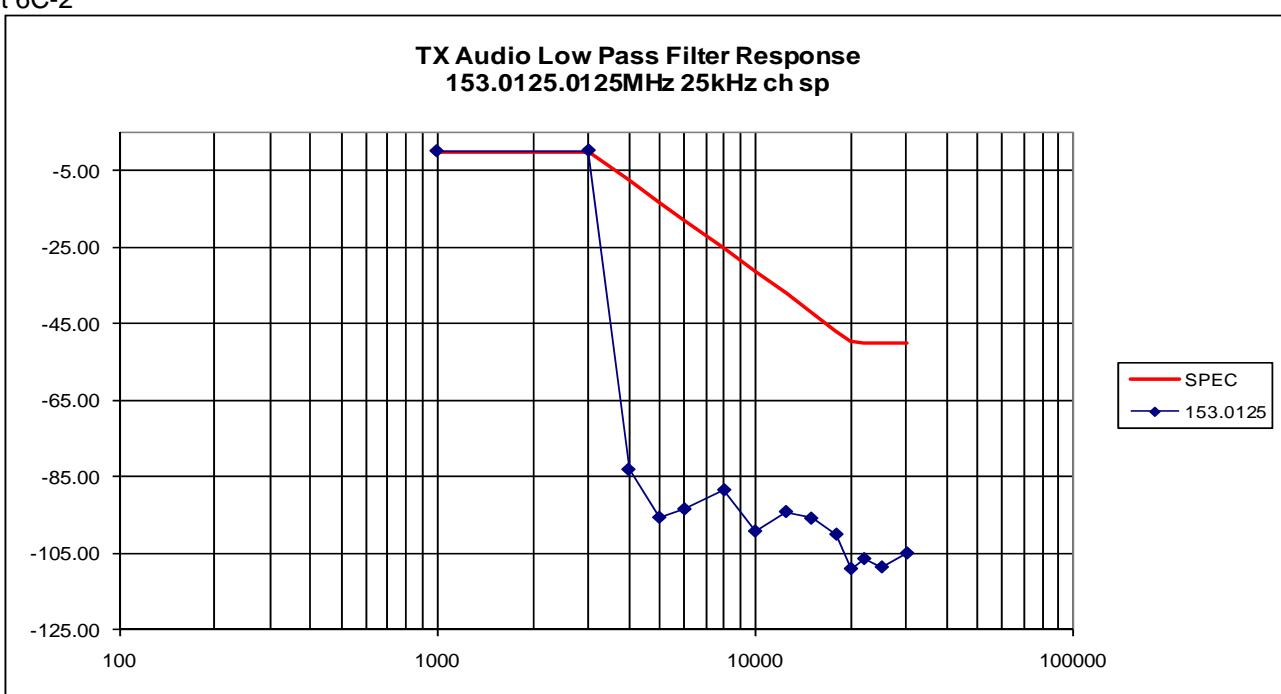
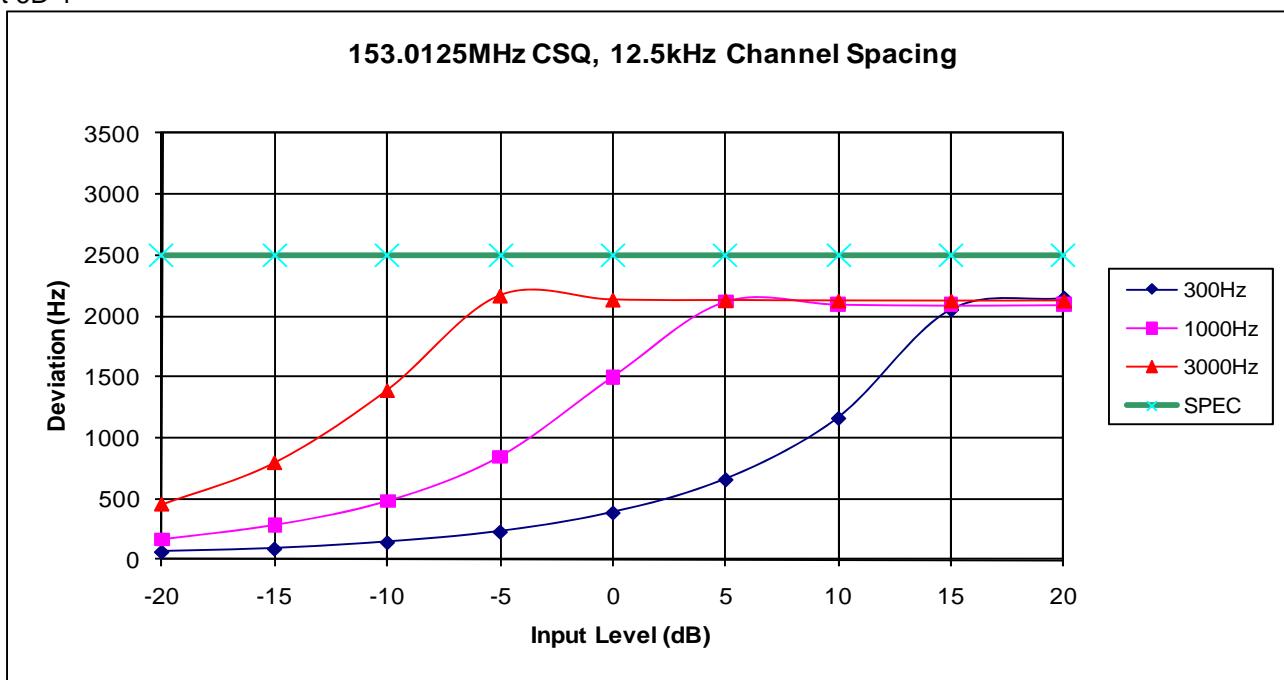
Transmit Low Pass Filter Frequency Response
Freq: 153.0125 MHz, ChSp: 25 kHz (Not for FCC review)

EXHIBIT 6D
Modulation Limiting

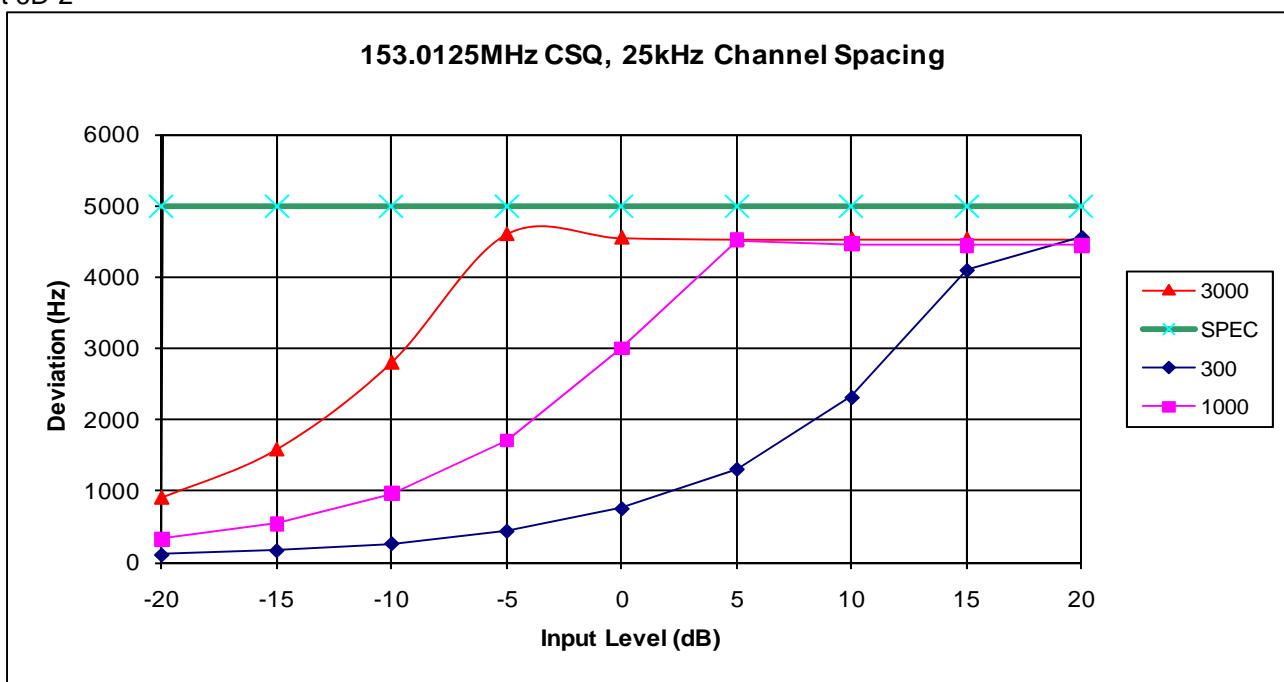
Freq: 153.0125 MHz, ChSp: 12.5 kHz

Exhibit 6D-1



Freq: 153.0125 MHz, ChSp: 25 kHz (Not for FCC review)

Exhibit 6D-2



BANDWIDTH CALCULATIONS:

January, 2013

EXHIBIT 6
SHEET 6 OF 32

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: ABZ99FT3089

Standard Audio Modulation (25 kHz Channelization, Analog Voice) (Not for FCC Review)

Per CFR Title 47, Part 2, Section 2.201, the Carson's Rule calculation for necessary bandwidth, $BW = 2M + 2DK$, where M = maximum modulating frequency in Hz, D = peak deviation in Hz, and K=1, is as follows:

In this case the maximum modulating frequency is 3.0 kHz with a 5.0 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 5.0 \text{ kHz}) = 16 \text{ kHz (16K0 designator)}$$

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
A single channel containing analogue information.....	3
Telephony (including sound broadcasting)	E

The complete emissions designator for this transmitter is **16K0F3E**.

Standard Audio Modulation (12.5 kHz Channelization, Analog Voice)

Per CFR Title 47, Part 2, Section 2.201, the Carson's Rule calculation for necessary bandwidth, $BW = 2M + 2DK$, where M = maximum modulating frequency in Hz, D = peak deviation in Hz, and K=1, is as follows:

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

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz (11K0 designator)}$$

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
A single channel containing analogue information.....	3
Telephony (including sound broadcasting).....	E

The complete emissions designator for this transmitter is **11K0F3E**.

4 Level FSK Digital Modulation Techniques

The modulation sends 4800 symbols/sec with each symbol conveying 2 bits of information for a data rate of 9600 bps in a 12.5 kHz channel, which is equivalent to 4800 bps per 6.25kHz. The maximum deviation D , of the symbol is defined as:

$$D = 3h / 2T$$

where:

- h is the deviation index defined for the modulation
- T is the symbol time (1/4800) in seconds

The deviation index, h , is 0.27. This yields a symbol deviation of 1.944 kHz at the symbol center. The mapping between symbols and bits is shown below:

Information Bits	Symbol	4FSK Deviation
------------------	--------	----------------

Bit 1	Bit 0		
0	1	+3	+1.944 kHz
0	0	+1	+0.648 kHz
1	0	-1	-0.648 kHz
1	1	-3	-1.944 kHz

A Square Root Raised Cosine Filter is implemented for the modulation low pass filter. The input to the modulation low pass filter consists of a series of impulses separated in time by 208.33 microseconds (1/4800 sec). The group delay of the filter is flat over the passband for $|f| < 2880$ Hz. The magnitude response of the filter is given by the following formula.

$|F(f)|$ = magnitude response of the Square Root Raised Cosine Filter

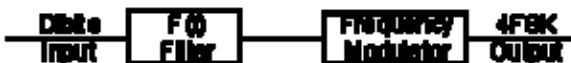
$|F(f)| = 1$ for $|f| \leq 1920$ Hz

$|F(f)| = |\cos(\pi f / 1920)|$ for $1920 \text{ Hz} < |f| \leq 2880 \text{ Hz}$

$|F(f)| = 0$ for $|f| > 2880$ Hz

where f = frequency in hertz.

The 4FSK modulator consists of a Square Root Raised Cosine Filter, cascaded with a frequency modulator.



4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Data)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (Title 47 CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex.....	1
Data Transmission, telemetry, telecommand	D

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60F1D**.

4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Voice)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex.....	1
Telephony (including sound broadcasting)	E

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60F1E**.

Digital (12.5 kHz Channelization, Digital Voice and Data)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
A single channel containing quantized or digital information without the use of a modulating sub-carrier, excluding time-division multiplex.....	1
Combination of Data Transmission, telemetry, telecommand (D), and Telephony (E)...	W

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60F1W**.

4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Data)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (Title 47 CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
Case not otherwise covered	X
Data Transmission, telemetry, telecommand	D

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60FXD**.

4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Voice)

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule (title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

Frequency Modulation	F
Case not otherwise covered	X
Telephony (including sound broadcasting)	E

Note: This product utilizes a Time Division Multiple Access (TDMA) protocol.

The complete emissions designator for this transmitter is **7K60FXE**.

EXHIBIT 6E
Occupied Bandwidth Data

Exhibit 6E-1

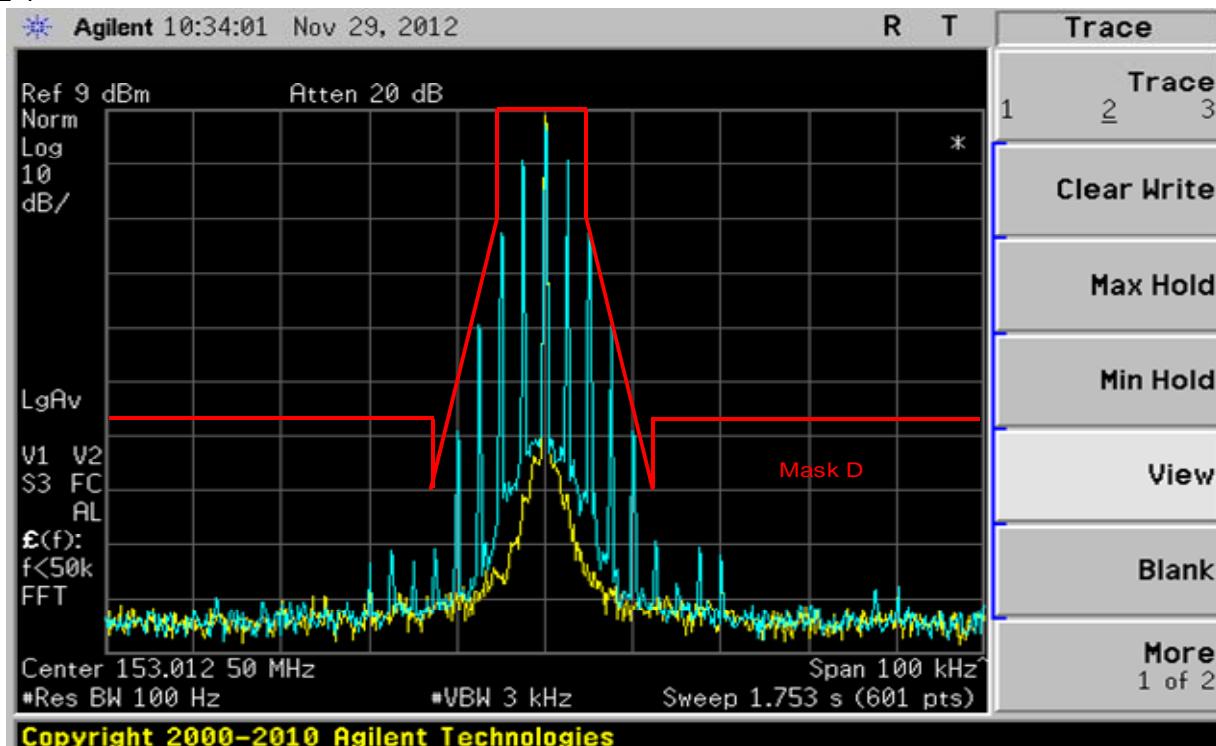
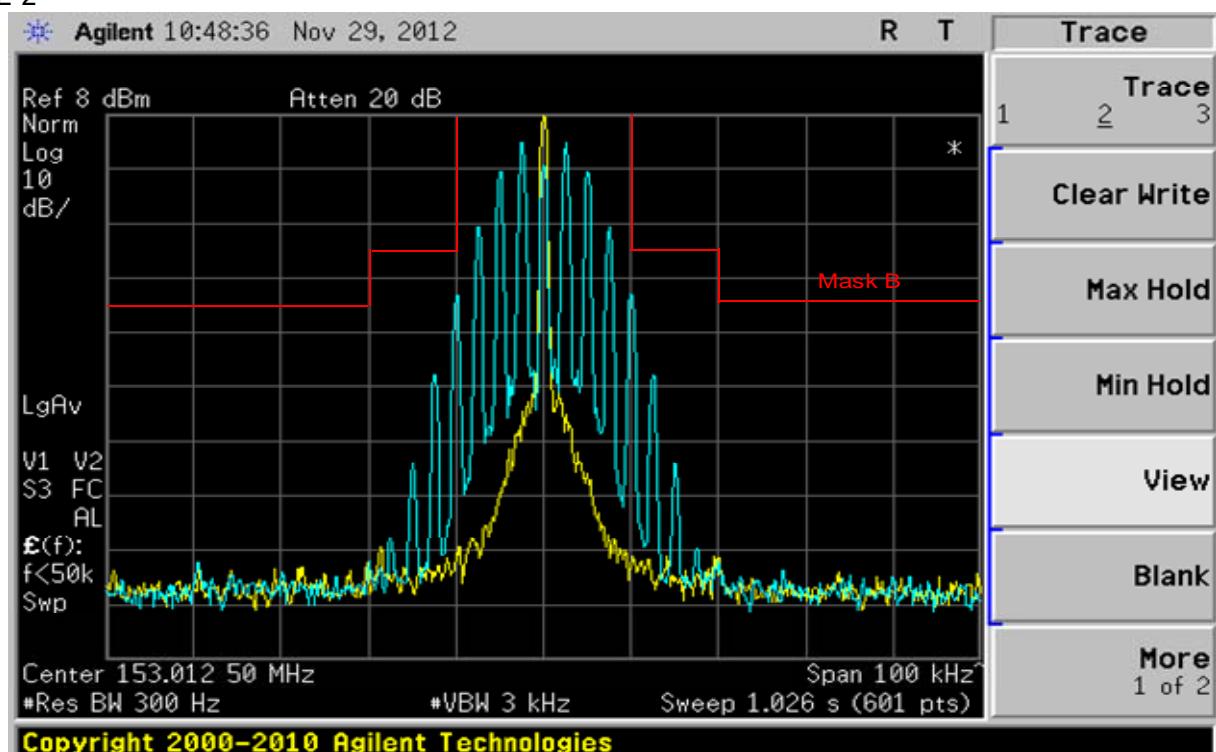
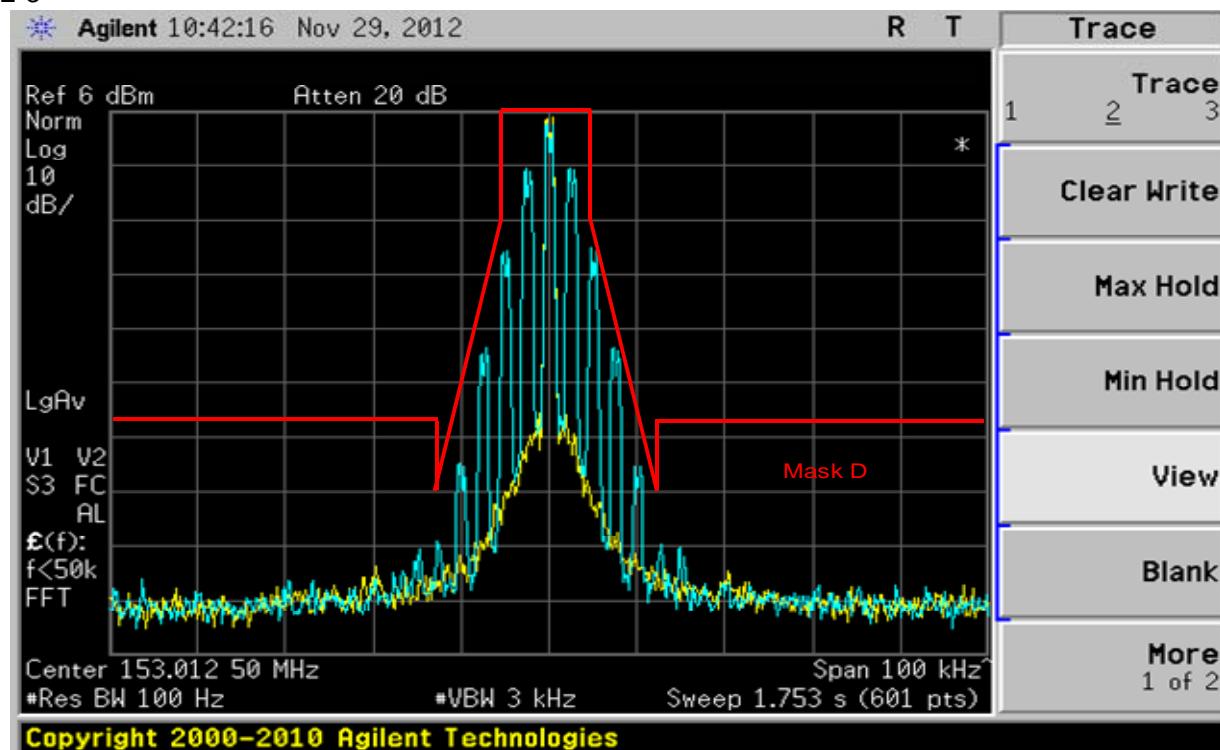
153.0125 MHz, 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation Only, **11K0F3E Mask D**

Exhibit 6E-2

153.0125 MHz, 25 kHz Channel Spacing, 2500 Hz Audio Modulation Only, **16K0F3E Mask B (Not for FCC review)**

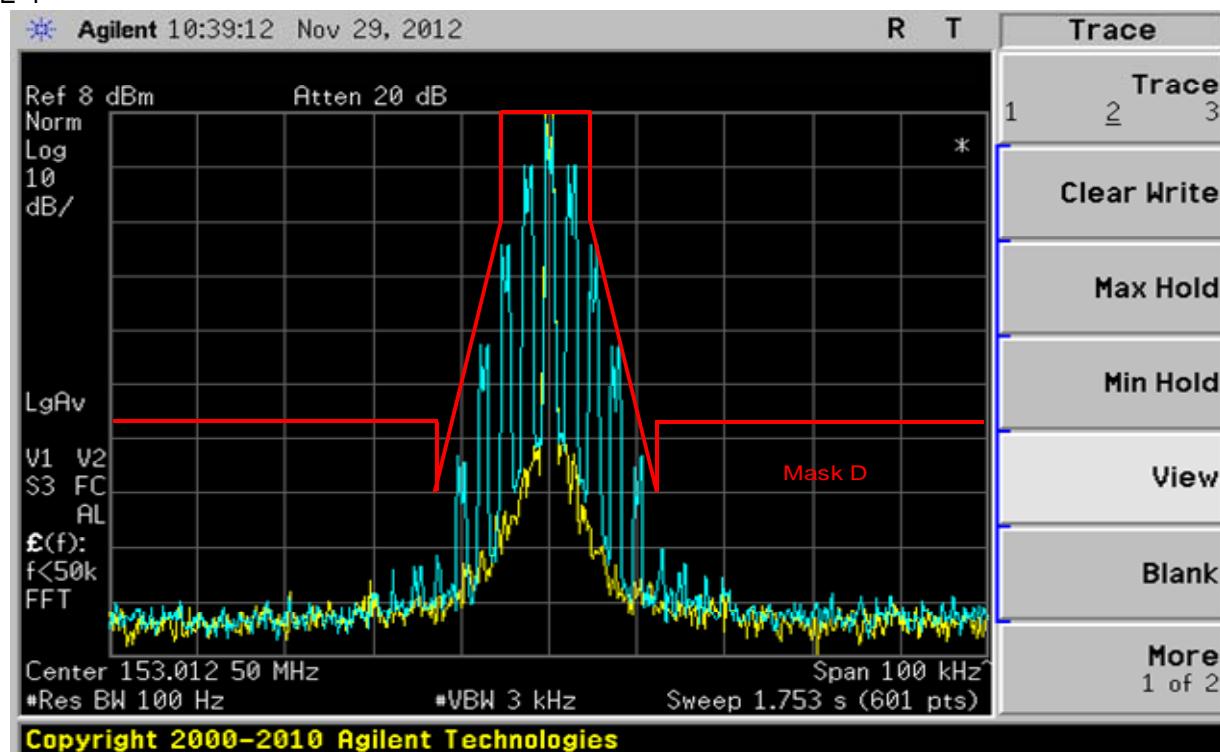
January, 2013

Exhibit 6E-3



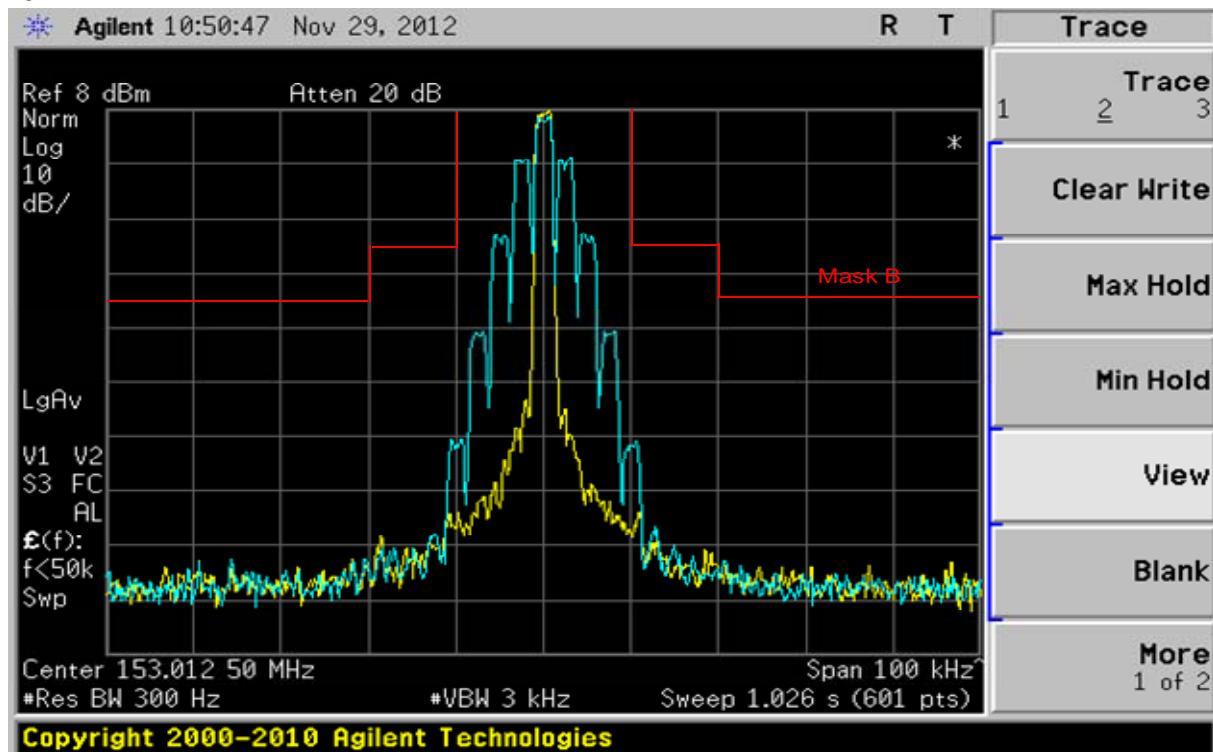
153.0125 MHz, 12.5 kHz, 2500 Hz Audio and PL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-4



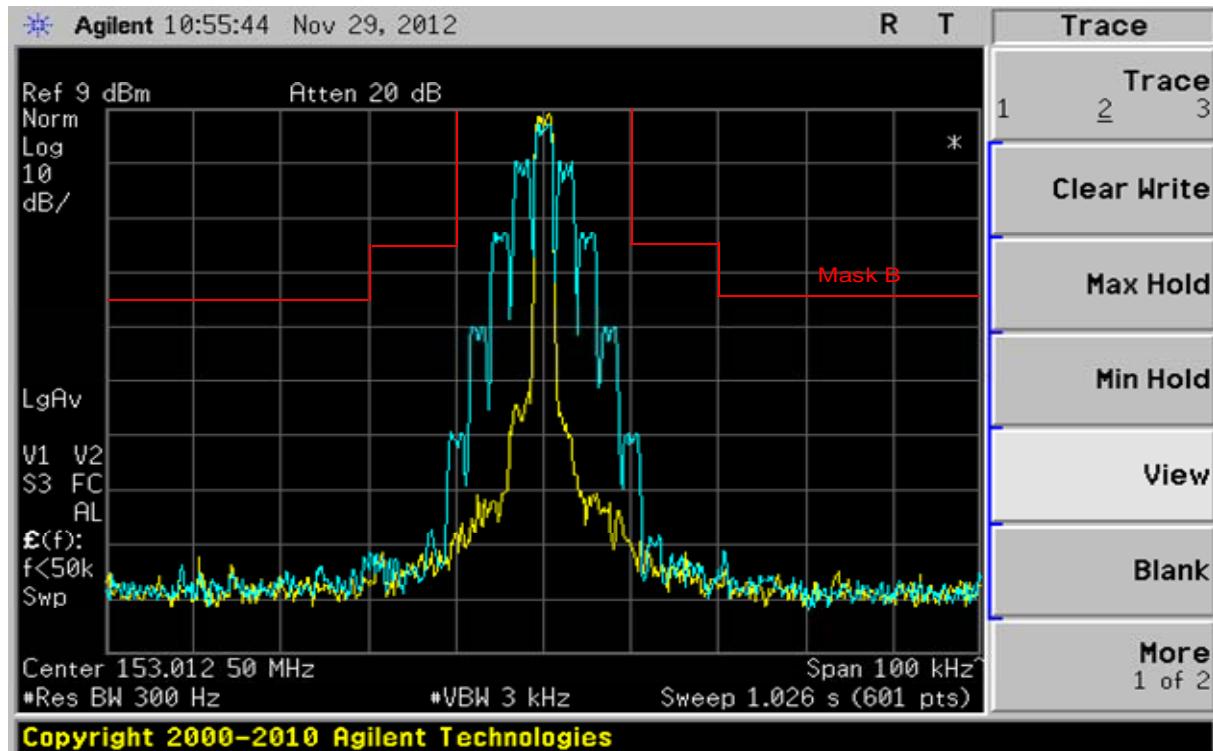
153.0125 MHz, 12.5 kHz, 2500 Hz Audio and DPL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-5



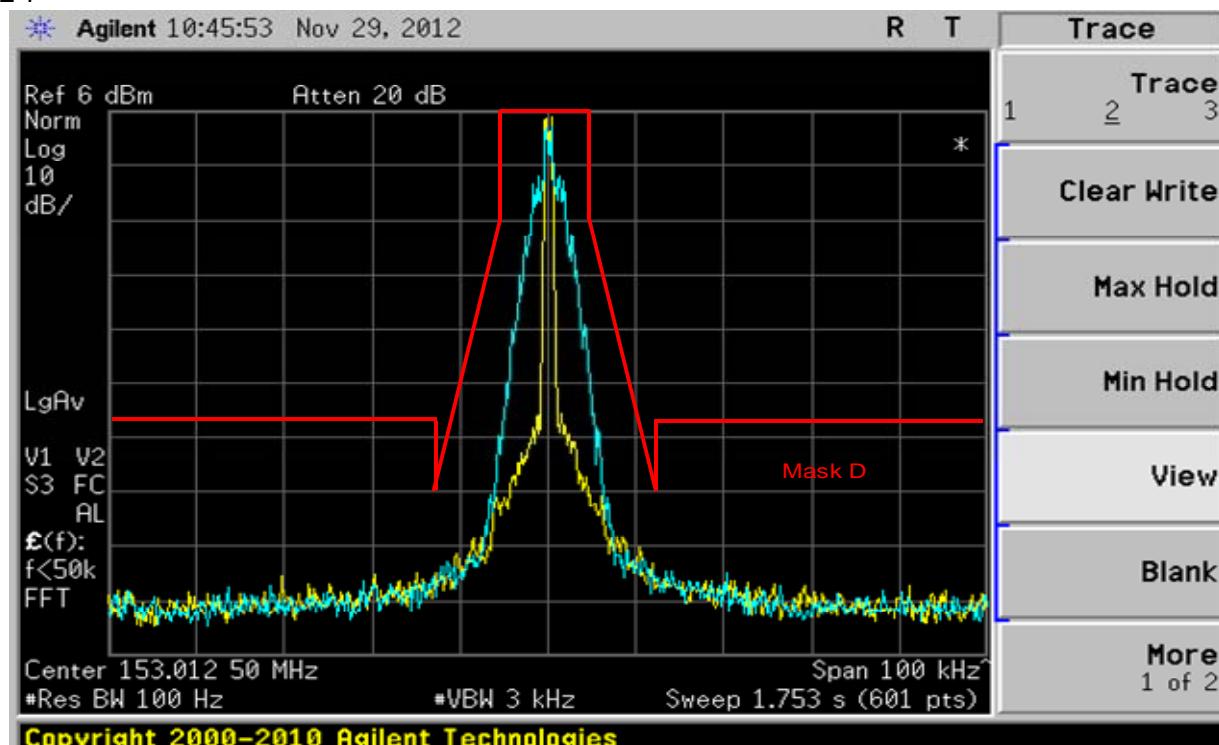
153.0125 MHz, 25 kHz, 2500 Hz Audio and PL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-6



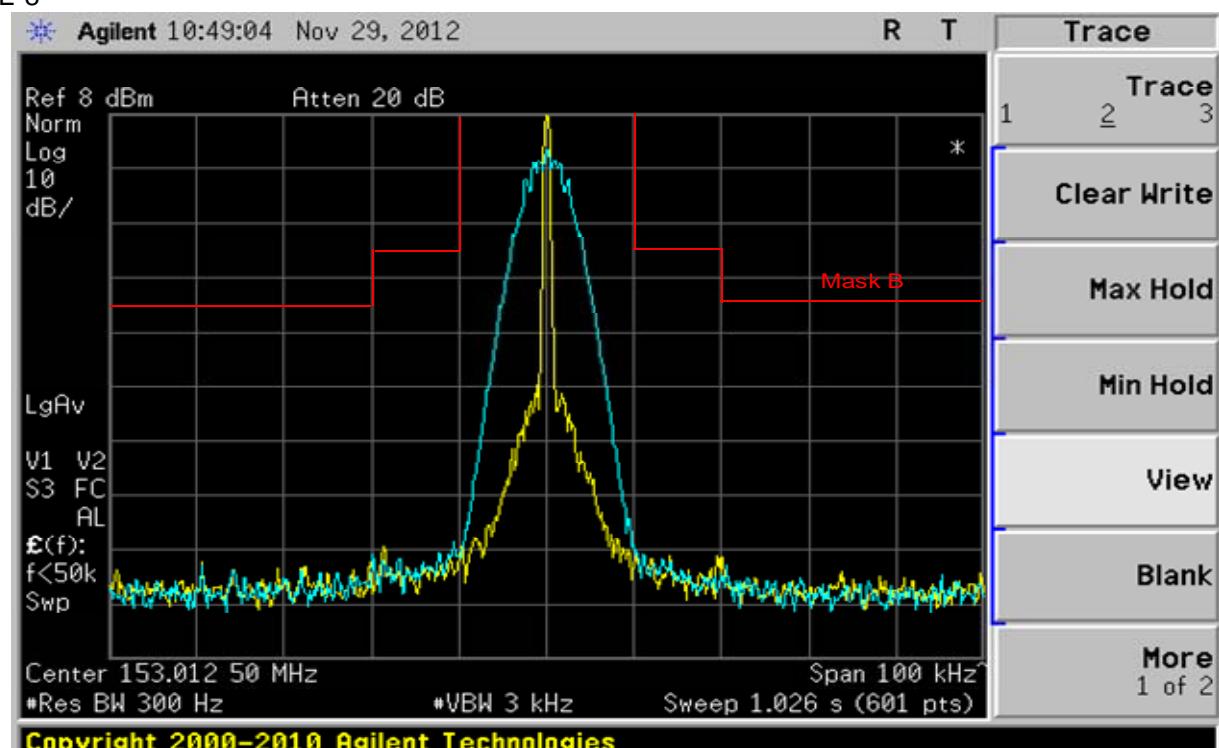
153.0125 MHz, 25 kHz, 2500 Hz Audio and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-7



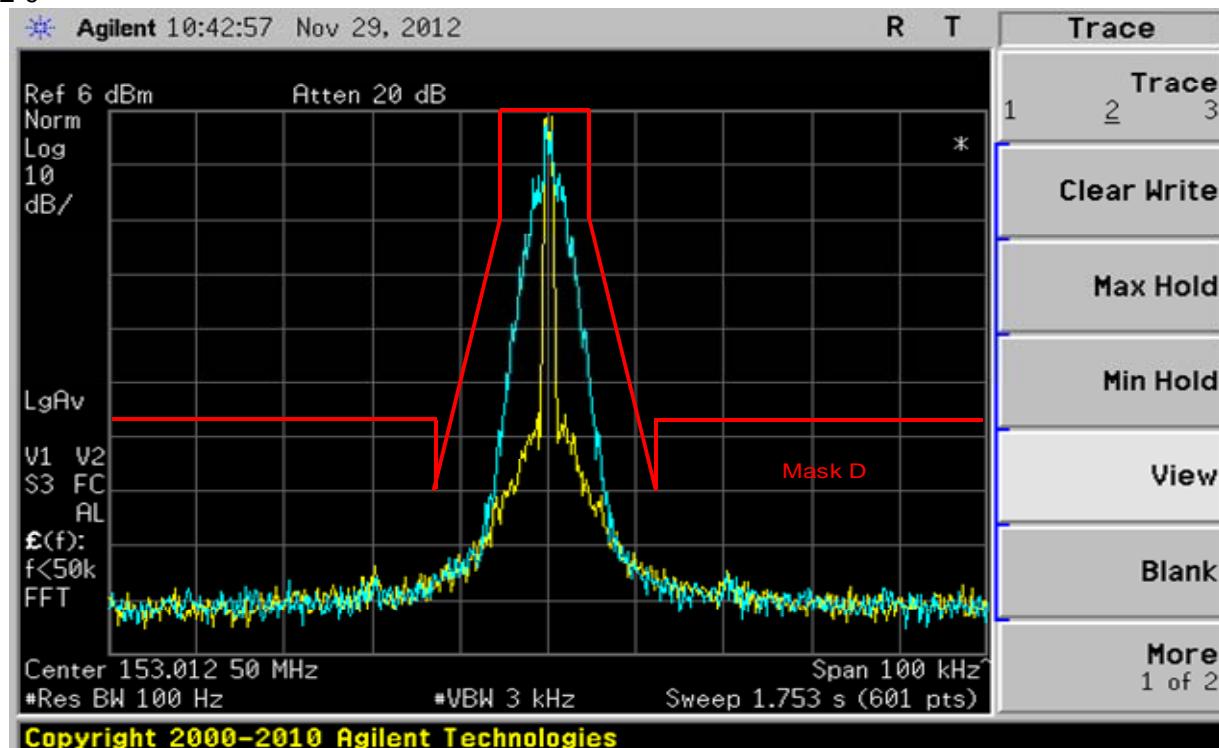
153.0125 MHz, 12.5 kHz Channel Spacing, DTMF Modulation Only, 11K0F3E Mask D

Exhibit 6E-8



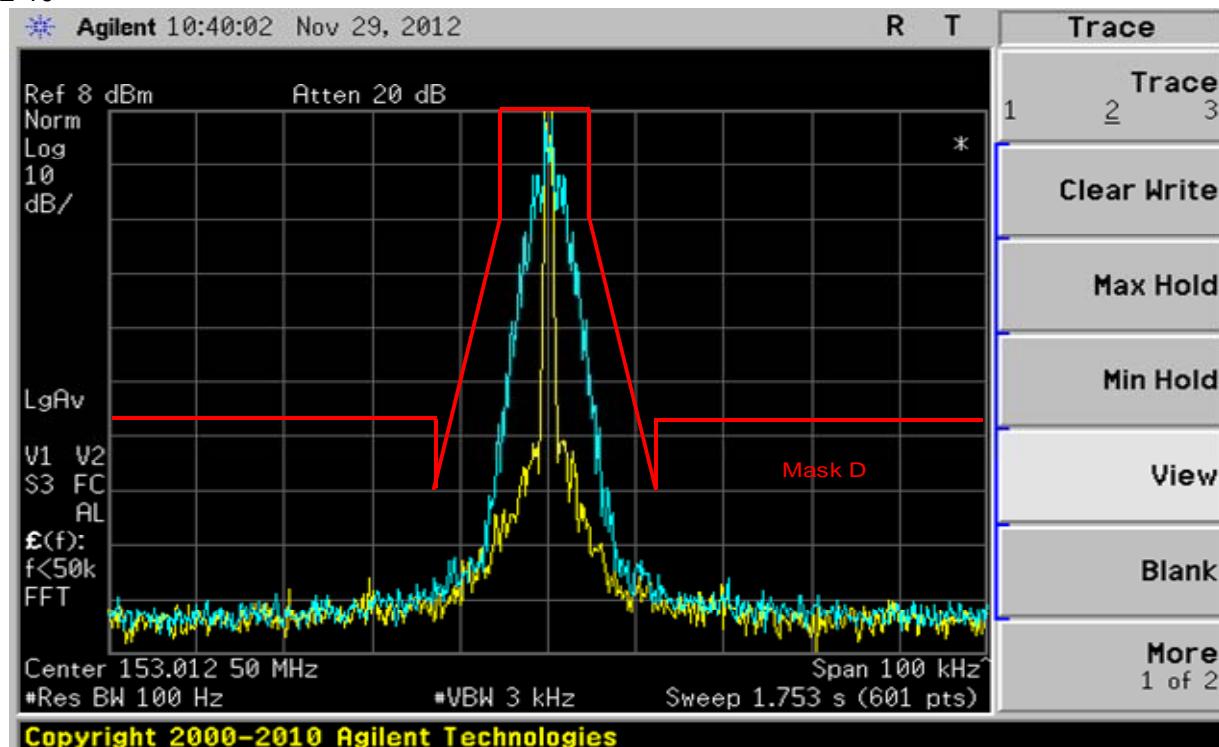
153.0125 MHz, 25 kHz Channel Spacing, DTMF Modulation Only, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-9



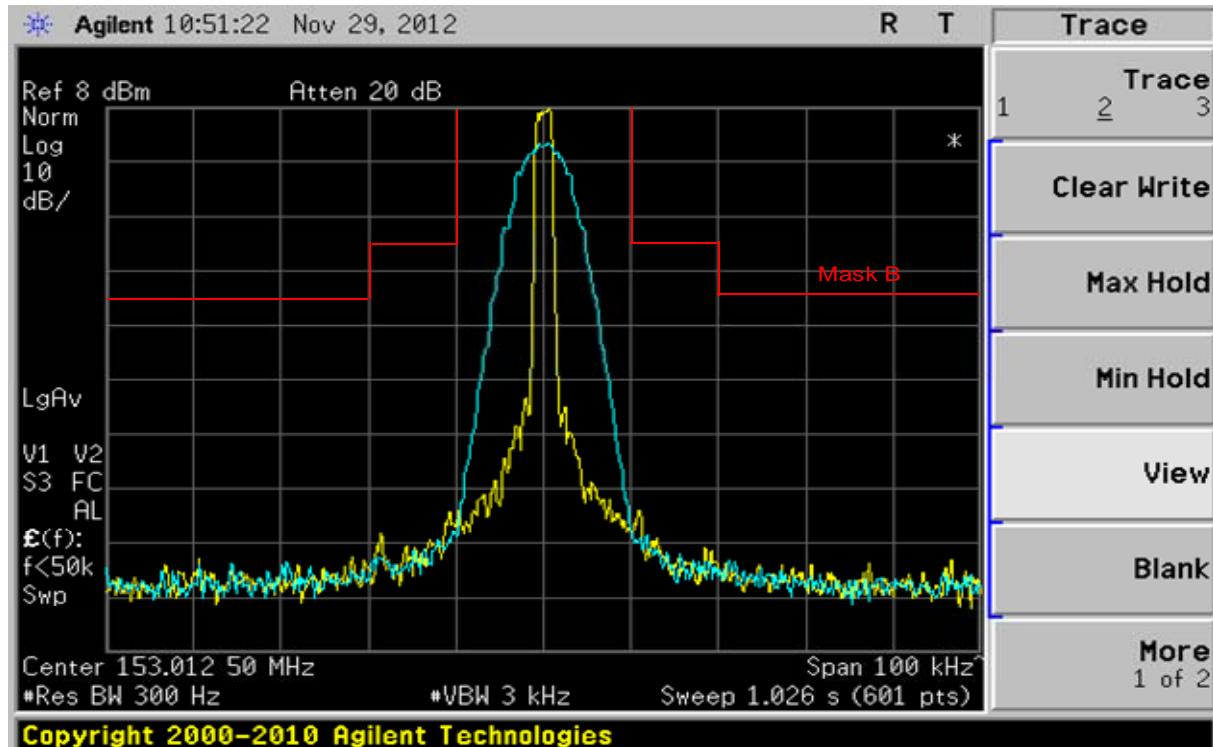
153.0125 MHz, 12.5 kHz Channel Spacing, DTMF and PL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-10



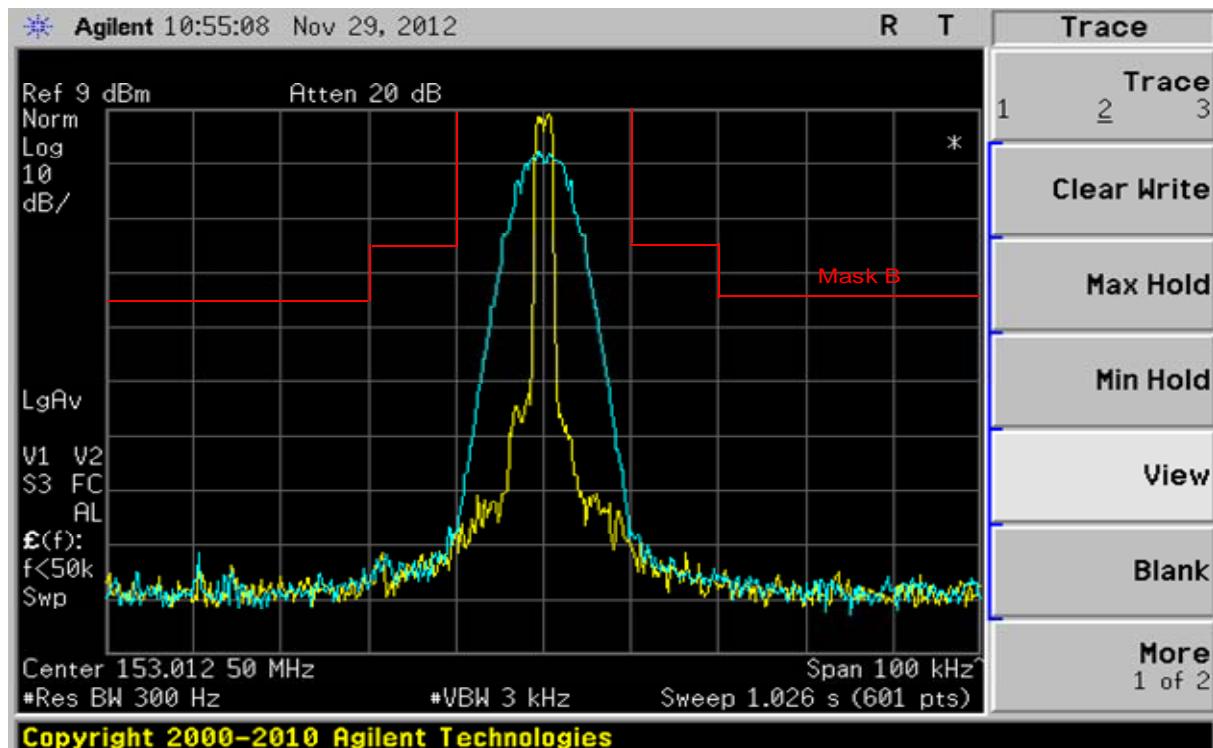
153.0125 MHz, 12.5 kHz Channel Spacing, DTMF and DPL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-11



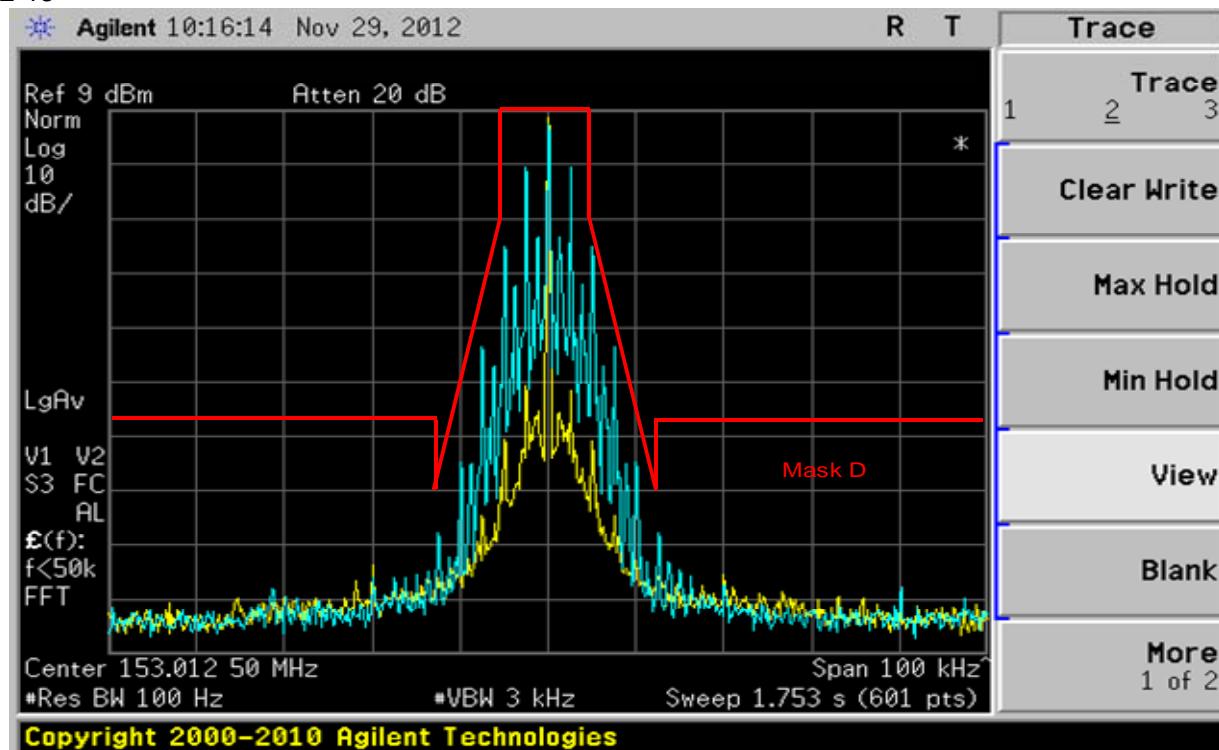
153.0125 MHz, 25 kHz Channel Spacing, DTMF and PL Tone Modulation, 16K0F3E Mask B (Not For FCC review)

Exhibit 6E-12



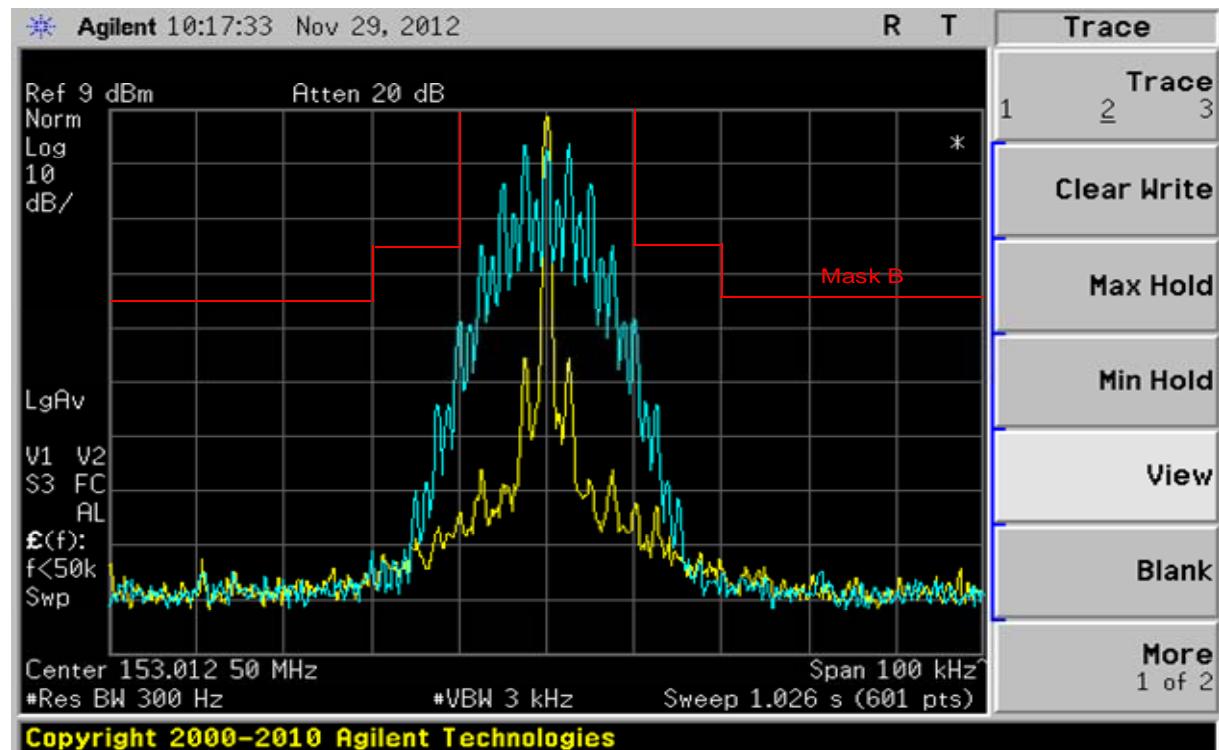
153.0125 MHz, 25 kHz Channel Spacing, DTMF and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-13



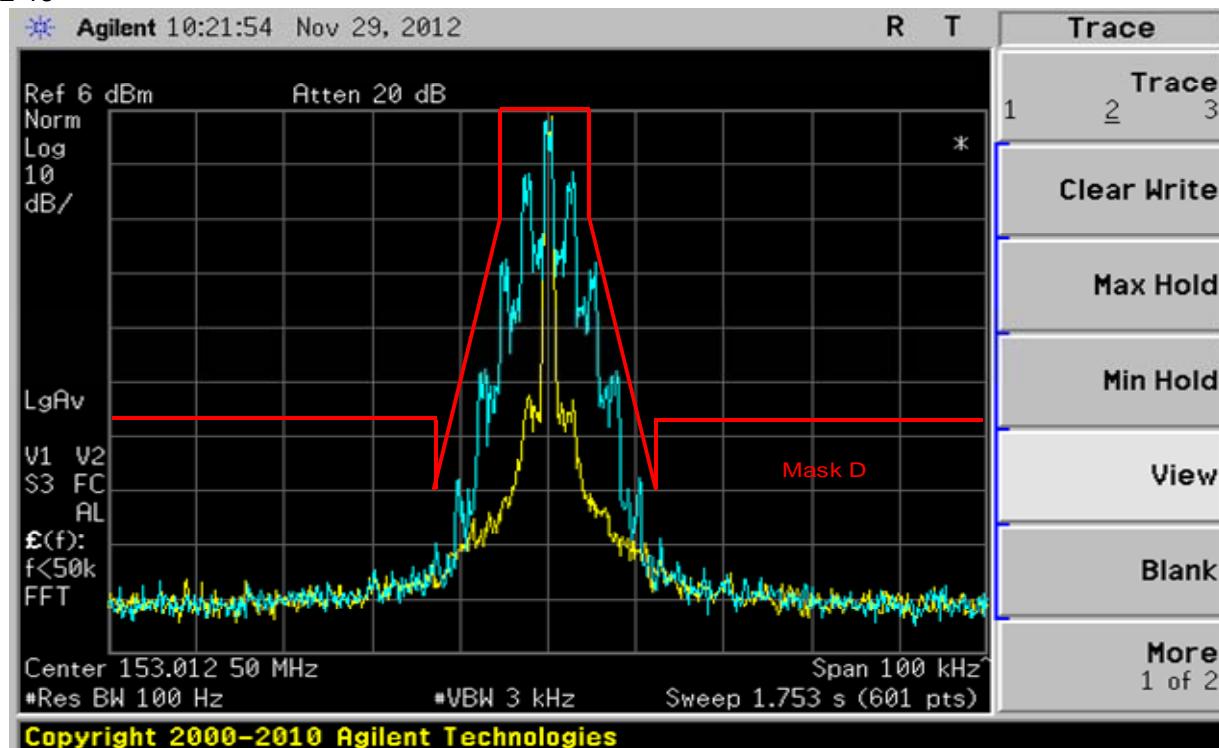
153.0125 MHz, 12.5 kHz, 2000/3000 Hz FSK Data Modulation Only, 11K0F3E Mask D

Exhibit 6E-14



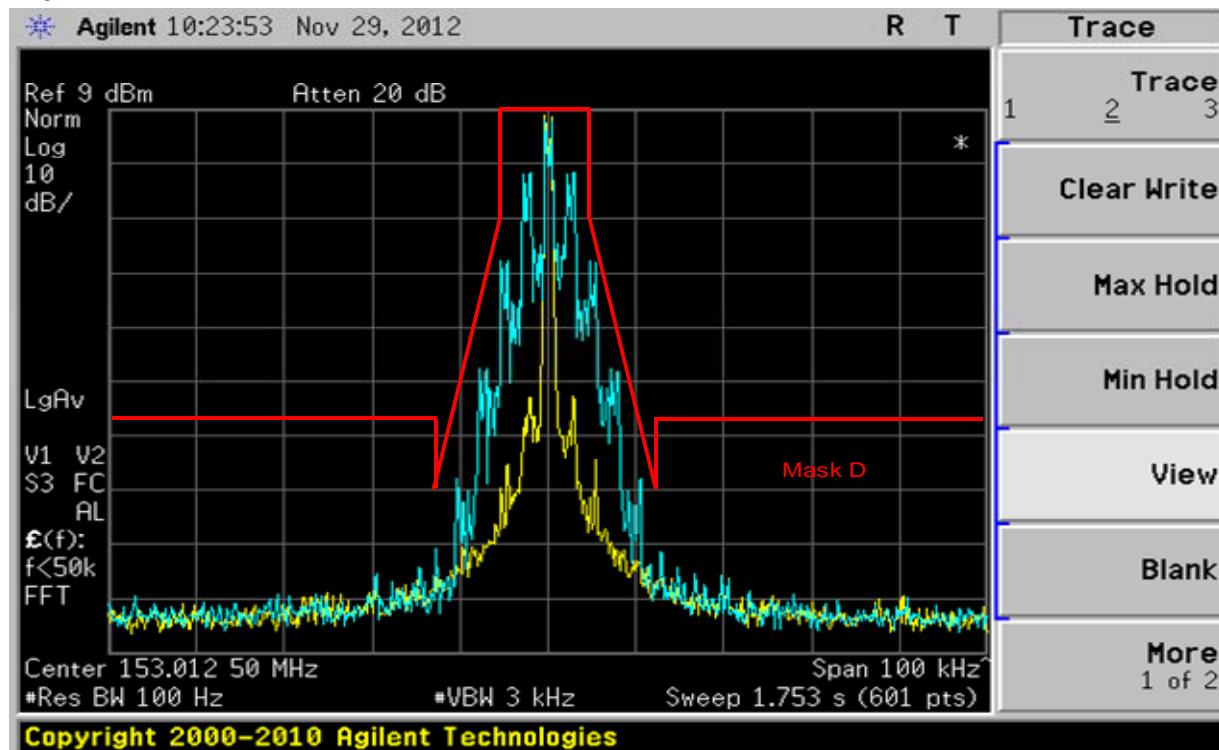
153.0125 MHz, 25 kHz, 2000/3000 Hz FSK Data Modulation Only, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-15



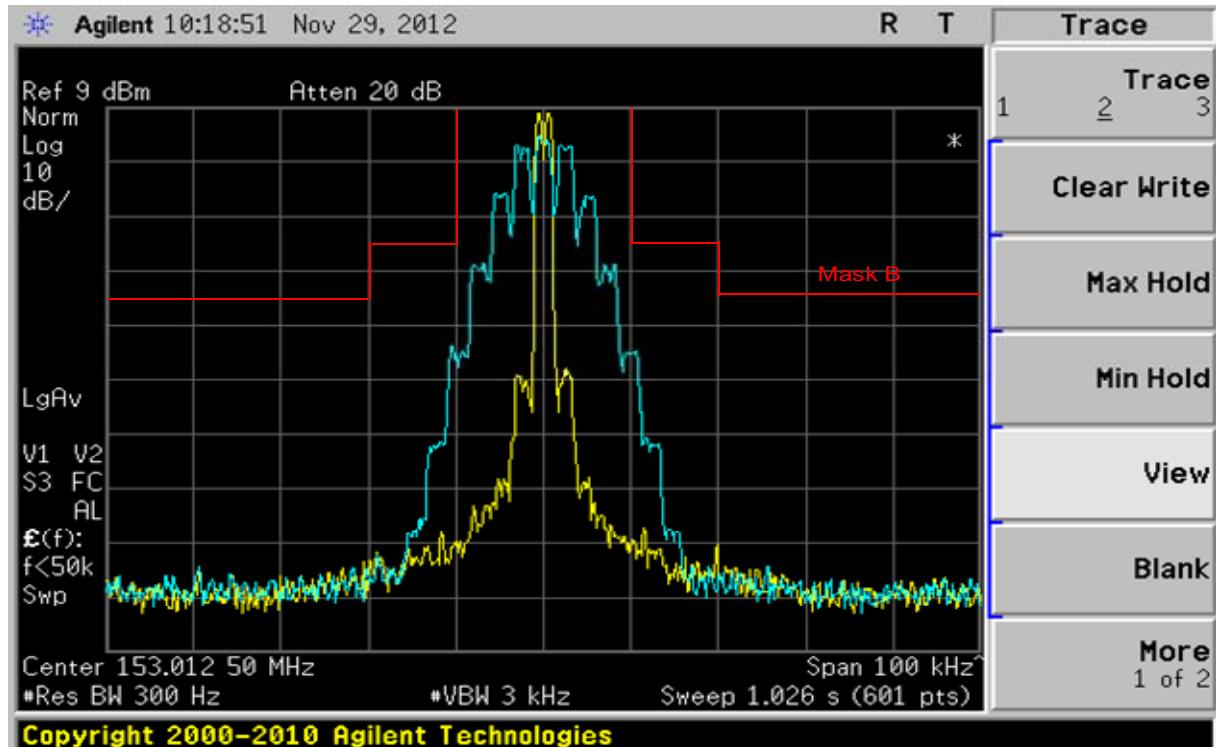
153.0125 MHz, 12.5 kHz, 2000/3000 Hz FSK Data and PL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-16



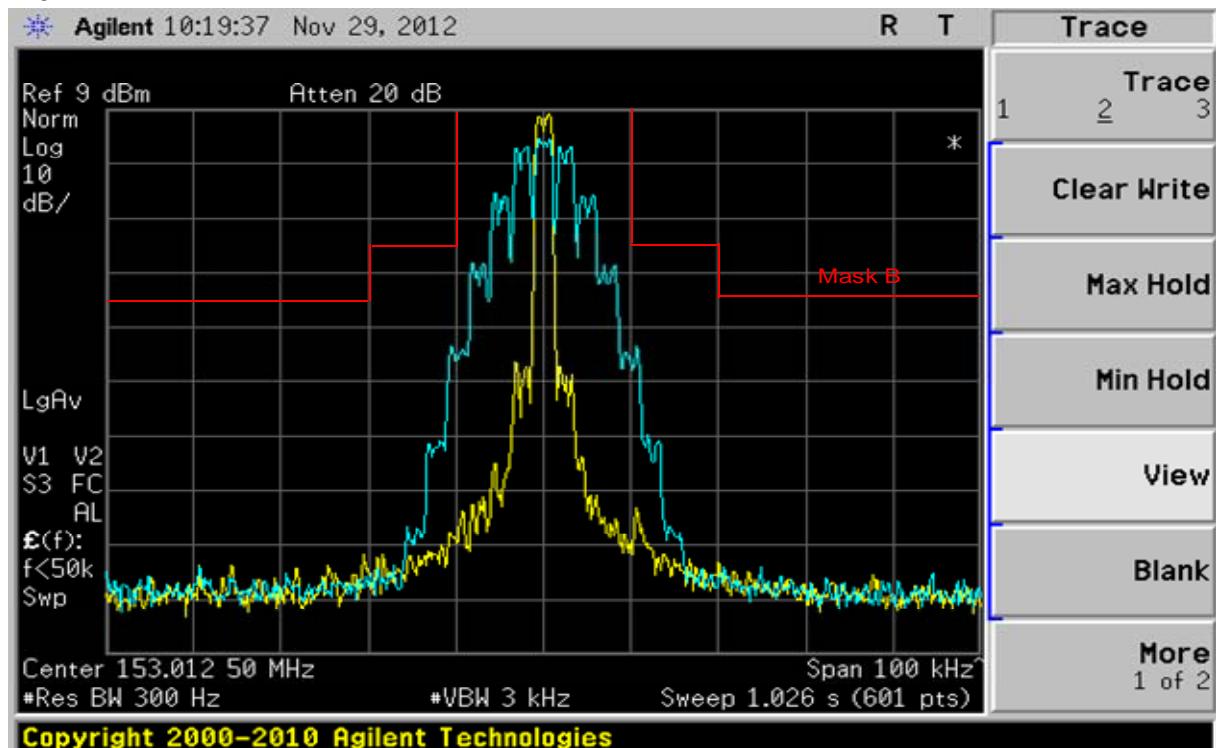
153.0125 MHz, 12.5 kHz, 2000/3000 Hz FSK Data and DPL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-17



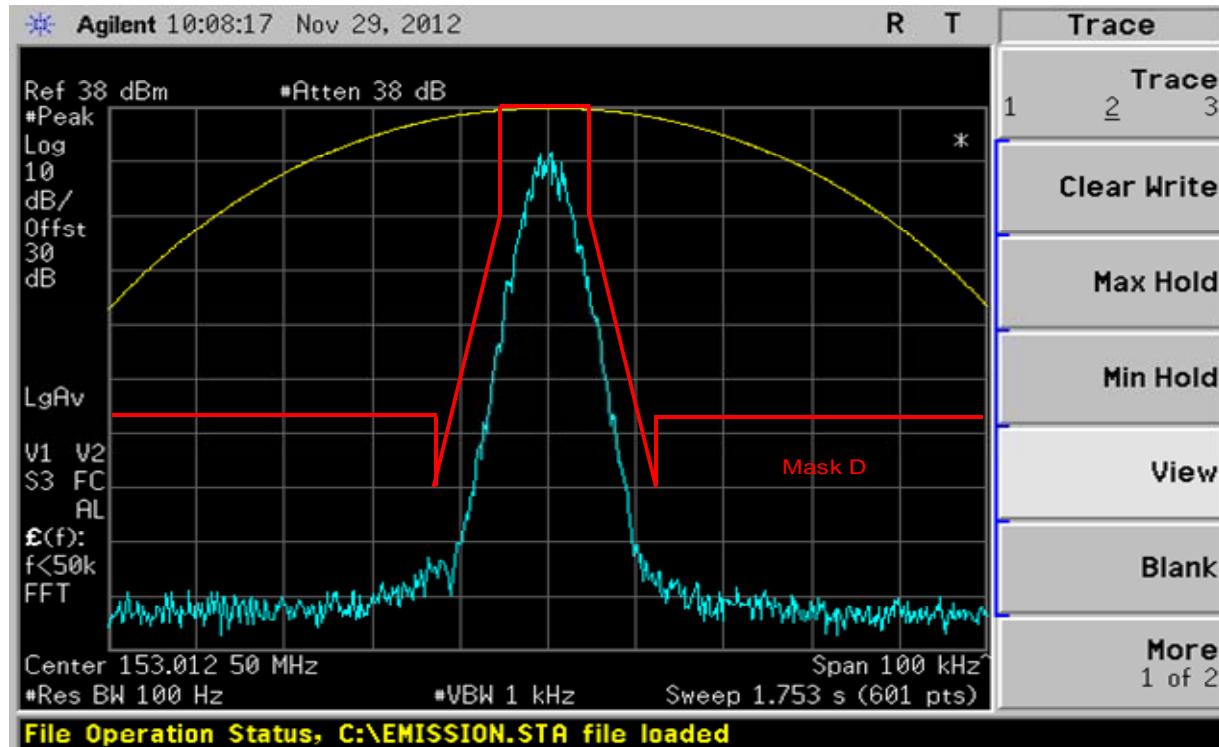
153.0125 MHz, 25 kHz, 2000/3000 Hz FSK Data and PL Tone Modulation, 16K0F3E Mask B (Not FCC review)

Exhibit 6E-18



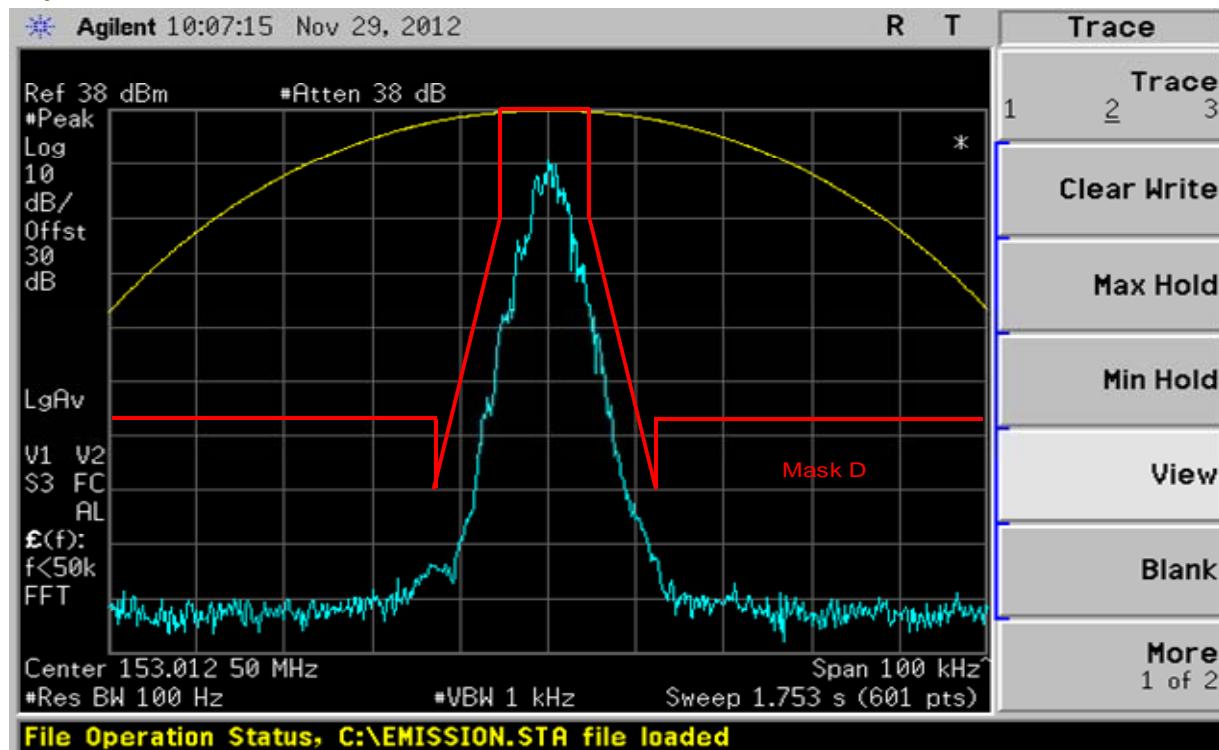
153.0125 MHz, 25 kHz, 2000/3000 Hz FSK Data and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-19



153.0125 MHz, O.153 Test Pattern 4FSK Voice (F2 BER) and Data Modulation, 7K60FXE Mask D

Exhibit 6E-20



153.0125 MHz, O.153 Test Pattern 4FSK Voice (F2 Silent) and Data Modulation, 7K60FXD Mask D

****NOTE:-**

- For 4FSK Digital Modulation, 12.5kHz Data 7K60F1D & 7K60FXD would be the same. Therefore only measurements with 7K60FXD shown above.
- For 4FSK Digital Modulation, 12.5kHz Voice 7K60F1E & 7K60FXE would be the same. Therefore only measurements with 7K60FXE shown above.
- Combinations of 12.5kHz 4FSK Voice and Data Modulation 7K601FW would be the same as 7K60FXD (F2 Silent) and 7K60FXE (F2 BER)
- 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

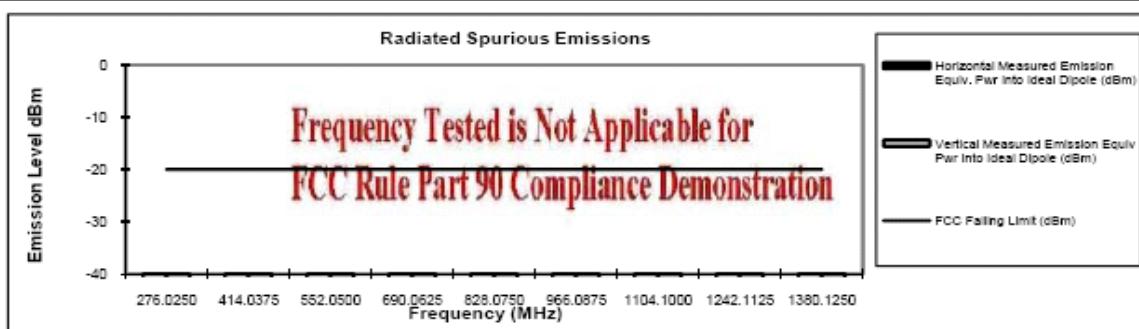
EXHIBIT 6F
Transmitter Radiated Spurious Emissions

Transmit Radiated Spurious Emissions: PMUD3254ABCNA
Tx Power: 6 Watts

138.0125 MHz

Channel Spacing 12.5kHz | S/N 627TNX0436

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
276.0250	-20	x	x
414.0375	-20	x	x
552.0500	-20	x	x
690.0625	-20	x	x
828.0750	-20	x	x
966.0875	-20	x	x
1104.1000	-20	x	x
1242.1125	-20	x	x
1380.1250	-20	x	x



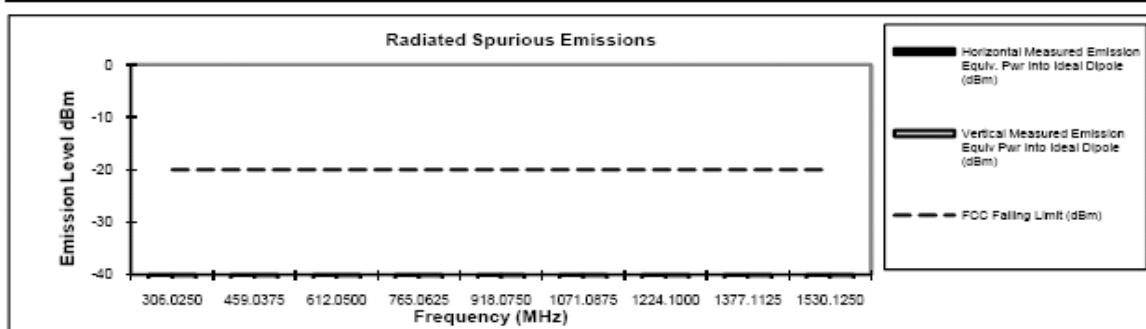
Transmit Radiated Spurious Emissions: PMUD3254ABCNA

Tx Power: 6 Watts

153.0125 MHz

Channel Spacing 12.5kHz | S/N 627TNX0436

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
306.0250	-20	x	x
459.0375	-20	x	x
612.0500	-20	x	x
765.0625	-20	x	x
918.0750	-20	x	x
1071.0875	-20	x	x
1224.1000	-20	x	x
1377.1125	-20	x	x
1530.1250	-20	x	x



* Indicates the spurious emission could not be detected due to noise limitations or ambient.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero
 FCC Registration: 91932 / Industry Canada: IC109U-1

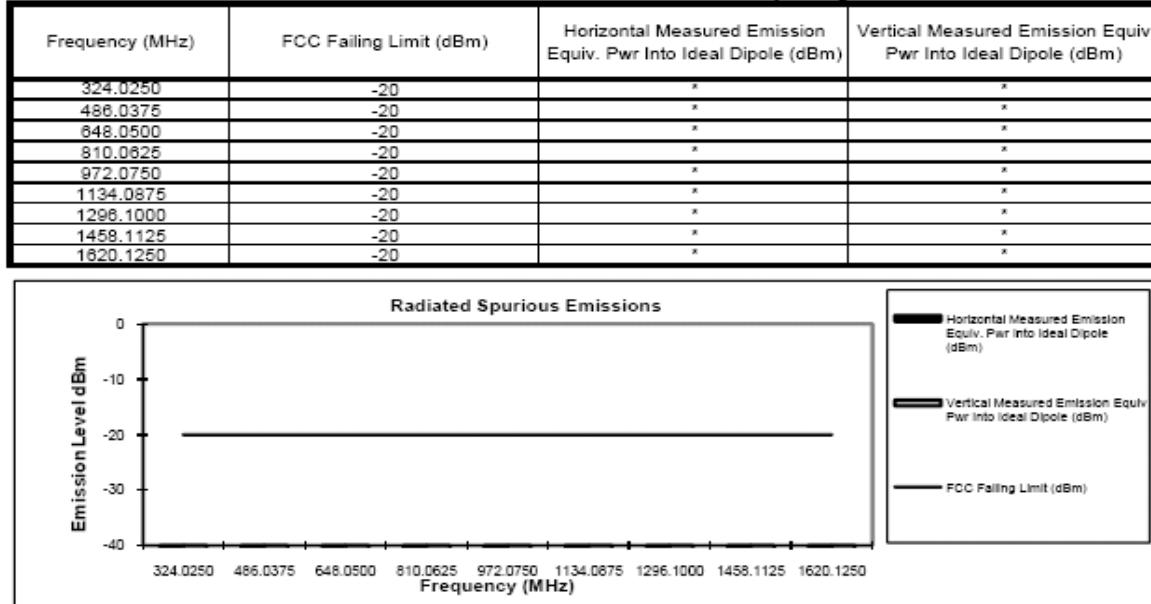
January 25, 2013

6F-1 – 138.0125 MHz, 12.5 kHz Channel Spacing, 6W (Not for FCC review) and
 153.0125 MHz, 12.5 kHz Channel Spacing, 6W

Transmit Radiated Spurious Emissions: PMUD3254ABCNA
Tx Power: 6 Watts

162.0125 MHz

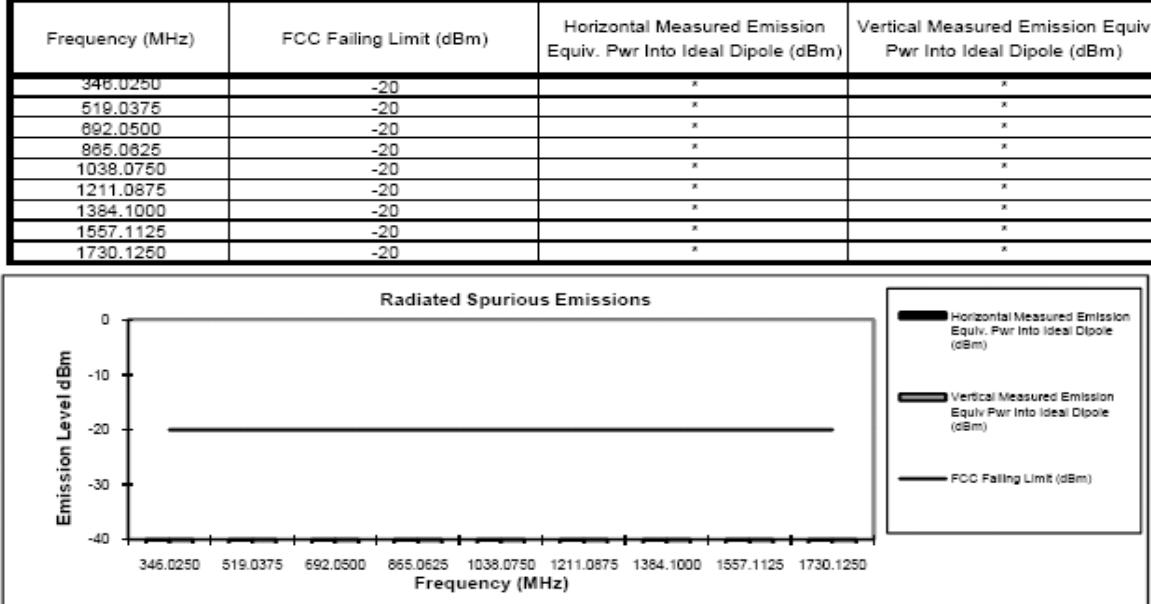
Channel Spacing 12.5kHz | S/N 627TNX0436



Transmit Radiated Spurious Emissions: PMUD3254ABCNA
Tx Power: 6 Watts

173.0125 MHz

Channel Spacing 12.5kHz | S/N 627TNX0436



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.
Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero January 25, 2013
FCC Registration: 91932 / Industry Canada: IC109U-1

6F-2 – 162.0125 MHz, 12.5 kHz Channel Spacing, 6W and
 173.0125 MHz, 12.5 kHz Channel Spacing, 6W

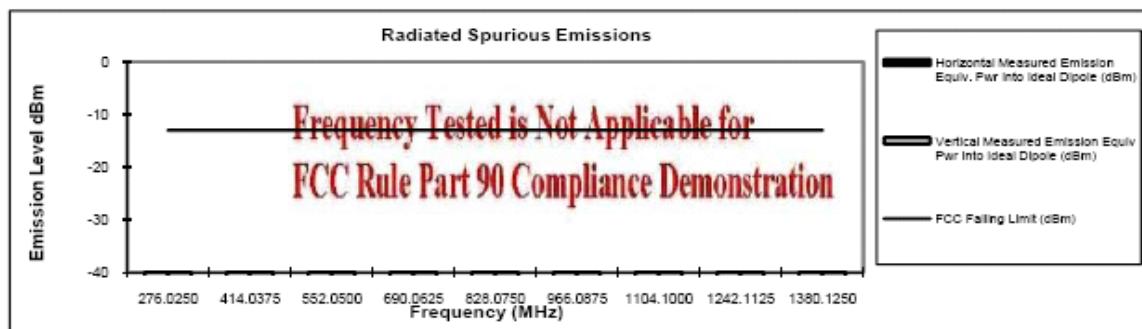
Transmit Radiated Spurious Emissions: PMUD3254ABCNA

Tx Power: 6 Watts

138.0125 MHz

Channel Spacing 25kHz | S/N 627TNX0436

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
276.0250	-13	x	x
414.0375	-13	x	x
552.0500	-13	x	x
690.0625	-13	x	x
828.0750	-13	x	x
966.0875	-13	x	x
1104.1000	-13	x	x
1242.1125	-13	x	x
1380.1250	-13	x	x



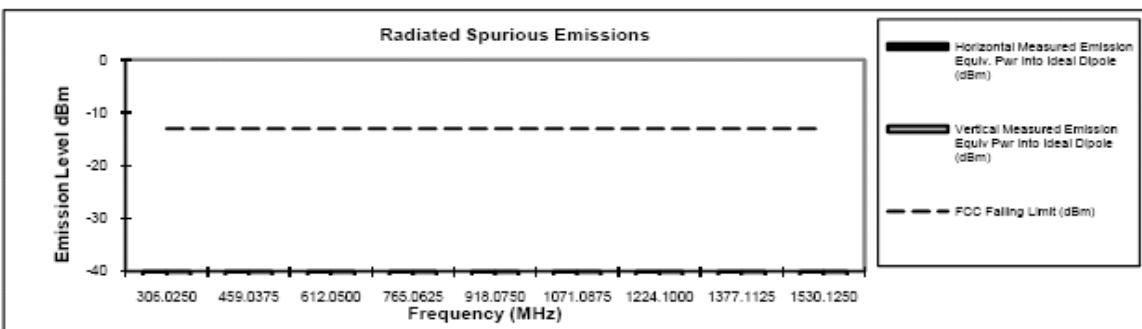
Transmit Radiated Spurious Emissions: PMUD3254ABCNA

Tx Power: 6 Watts

153.0125 MHz

Channel Spacing 25kHz | S/N 627TNX0436

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
306.0250	-13	x	x
459.0375	-13	x	x
612.0500	-13	x	x
765.0625	-13	x	x
918.0750	-13	x	x
1071.0875	-13	x	x
1224.1000	-13	x	x
1377.1125	-13	x	x
1530.1250	-13	x	x



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero
FCC Registration: 91932 / Industry Canada: IC109U-1

January 28, 2013

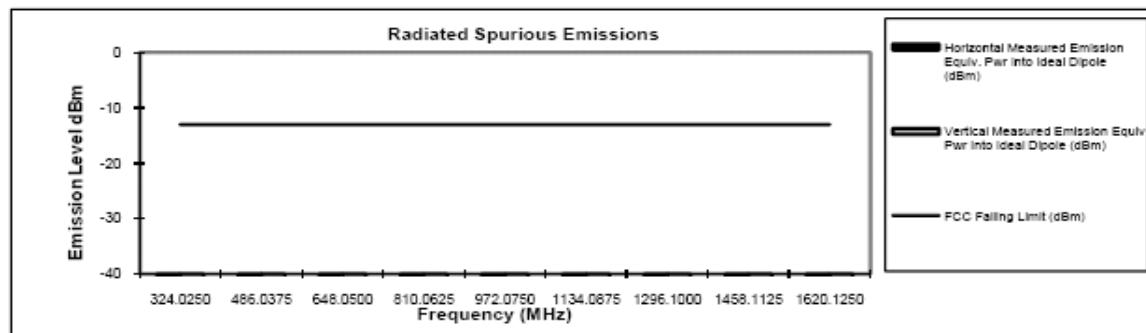
Transmit Radiated Spurious Emissions: PMUD3254ABCNA

Tx Power: 6 Watts

162.0125 MHz

Channel Spacing 25kHz | S/N 627TNX0436

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
324.0250	-13	x	x
486.0375	-13	x	x
648.0500	-13	x	x
810.0625	-13	x	x
972.0750	-13	x	x
1134.0875	-13	x	x
1296.1000	-13	x	x
1458.1125	-13	x	x
1620.1250	-13	x	x



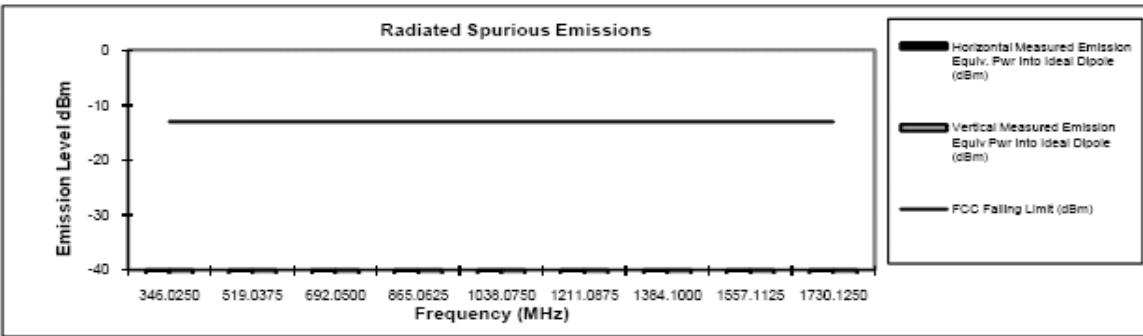
Transmit Radiated Spurious Emissions: PMUD3254ABCNA

Tx Power: 6 Watts

173.0125 MHz

Channel Spacing 25kHz | S/N 627TNX0436

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
346.0250	-13	x	x
519.0375	-13	x	x
692.0500	-13	x	x
865.0625	-13	x	x
1038.0750	-13	x	x
1211.0875	-13	x	x
1384.1000	-13	x	x
1557.1125	-13	x	x
1730.1250	-13	x	x



* Indicates the spurious emission could not be detected due to noise limitations or ambient.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.
Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero
FCC Registration: 91932 / Industry Canada: IC109U-1

January 28, 2013

EXHIBIT 6G**Transmitter Conducted Spurious Emissions**

Note: Lines on graphs correspond to the FCC limit of -13dBm for 25kHz and -20dBm for 12.5kHz .
Spurs which are not shown is less than 100dB

Exhibit 6G-1

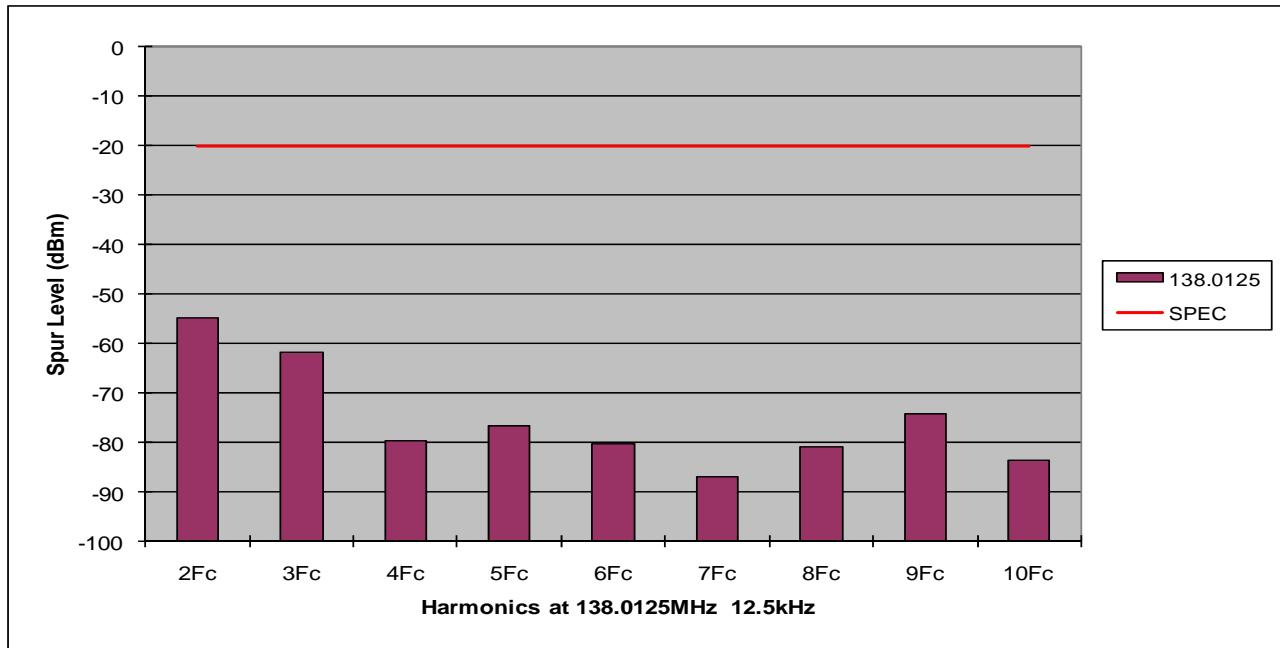
Harmonics at 138.0125 MHz, 12.5 kHz channel spacing at 6W (Not for FCC Review)

Exhibit 6G-2

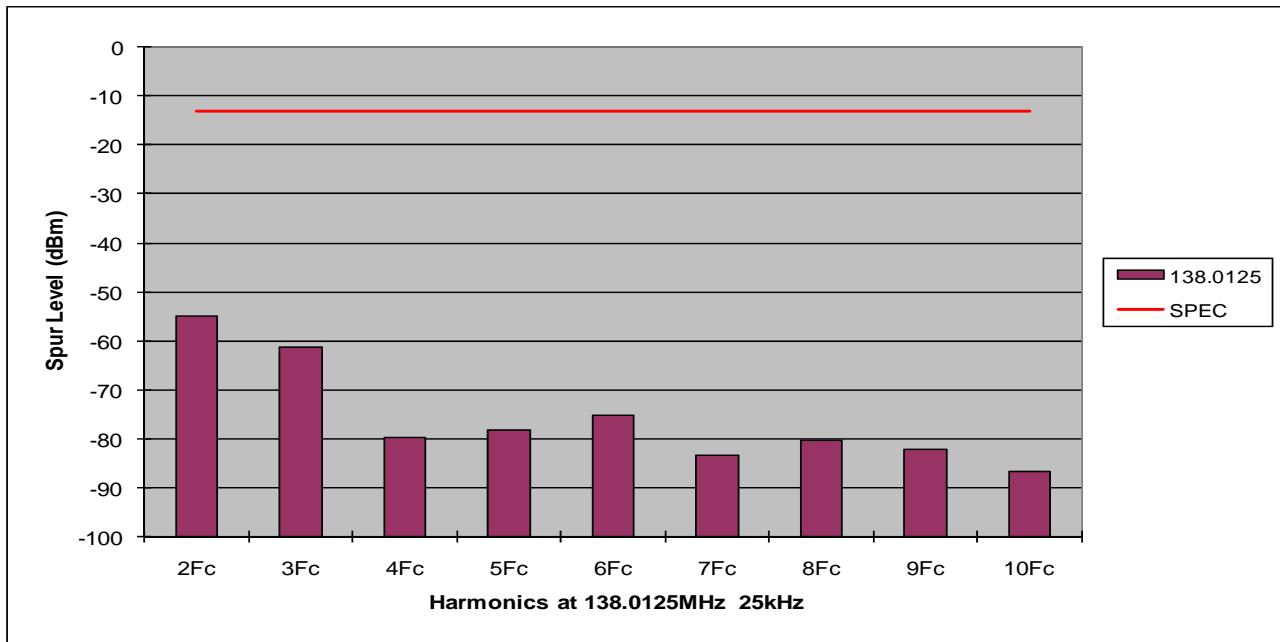
Harmonics at 138.0125 MHz, 25 kHz channel spacing at 6W (Not for FCC Review)

Exhibit 6G-3

Harmonics at 153.0125 MHz, 12.5 kHz channel spacing at 6W

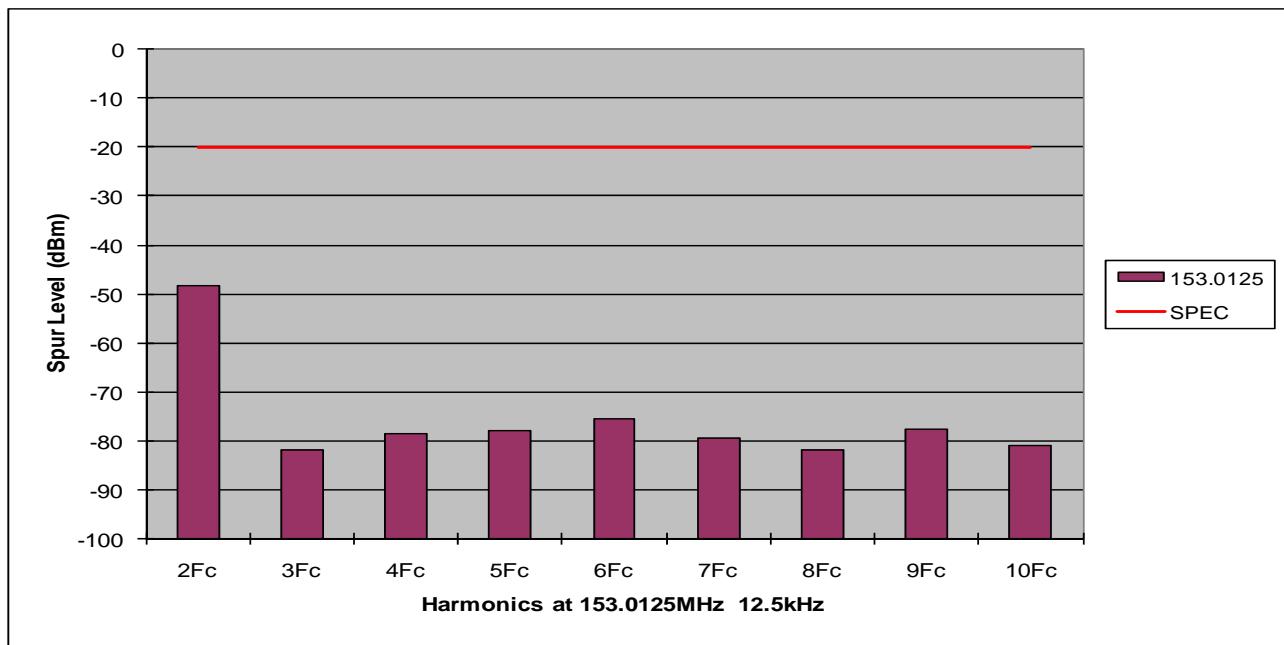


Exhibit 6G-4

Harmonics at 153.0125 MHz, 25 kHz channel spacing at 6W (Not for FCC Review)

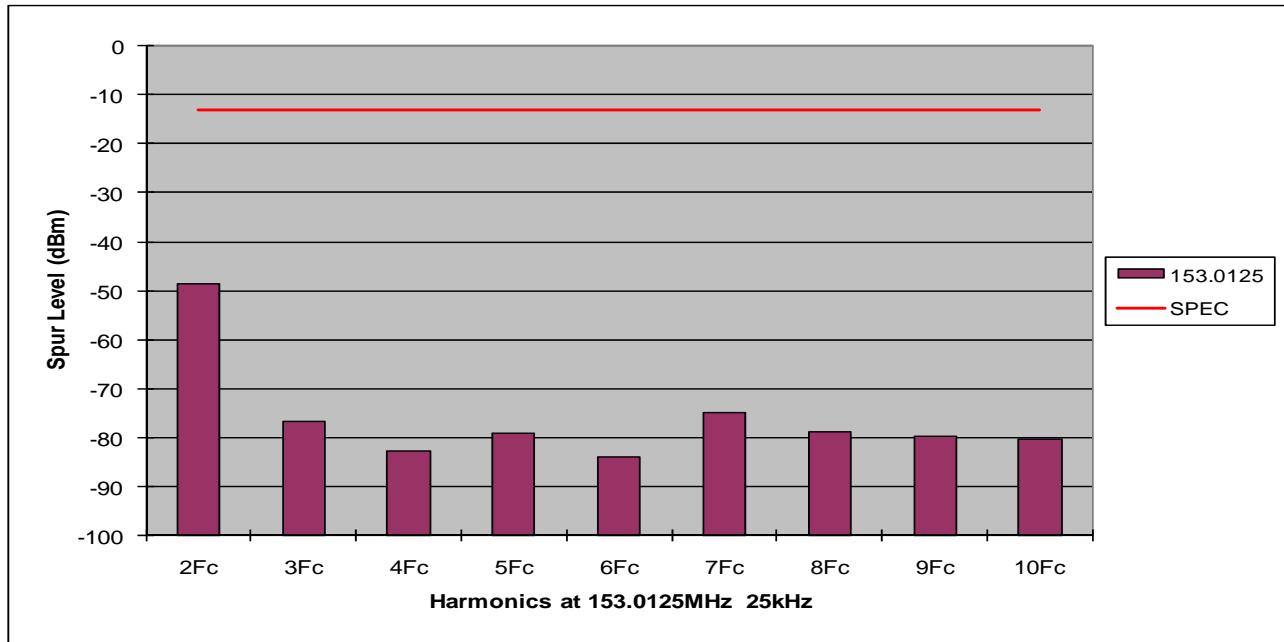


Exhibit 6G-5

Harmonics at 162.0125 MHz, 12.5 kHz channel spacing at 6W

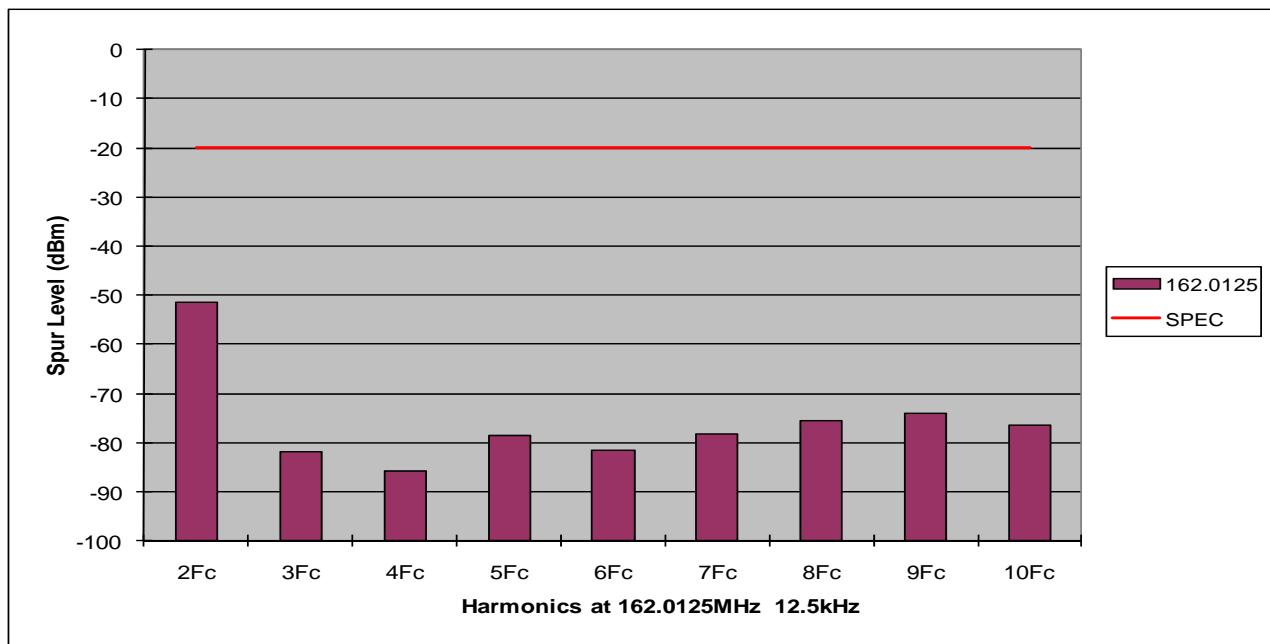


Exhibit 6G-6

Harmonics at 162.0125 MHz, 25 kHz channel spacing at 6W (Not for FCC Review)

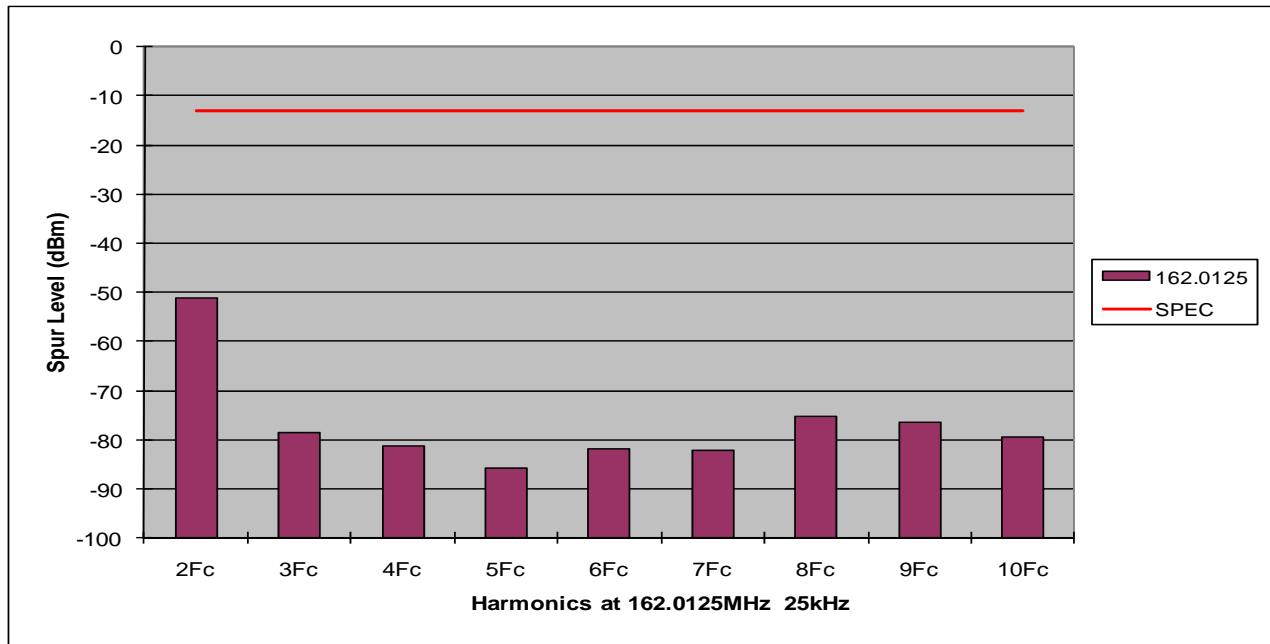


Exhibit 6G-7

Harmonics at 173.0125 MHz, 12.5 kHz channel spacing at 6W

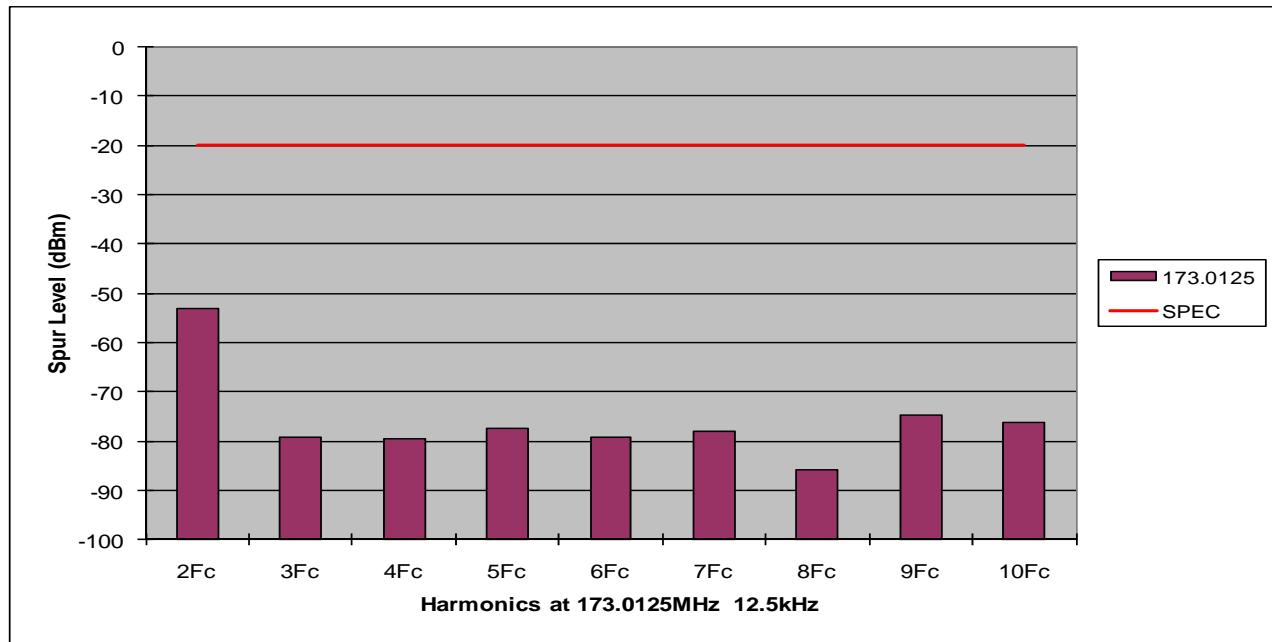


Exhibit 6G-8

Harmonics at 173.0125 MHz, 25 kHz channel spacing at 6W (Not for FCC Review)

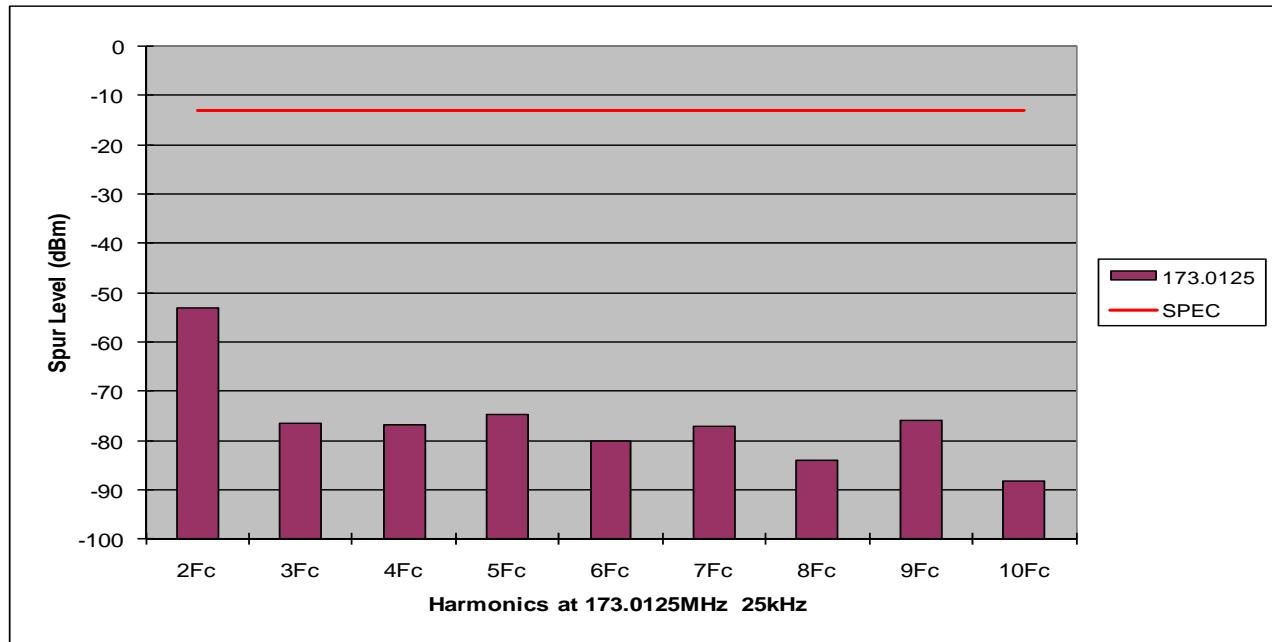
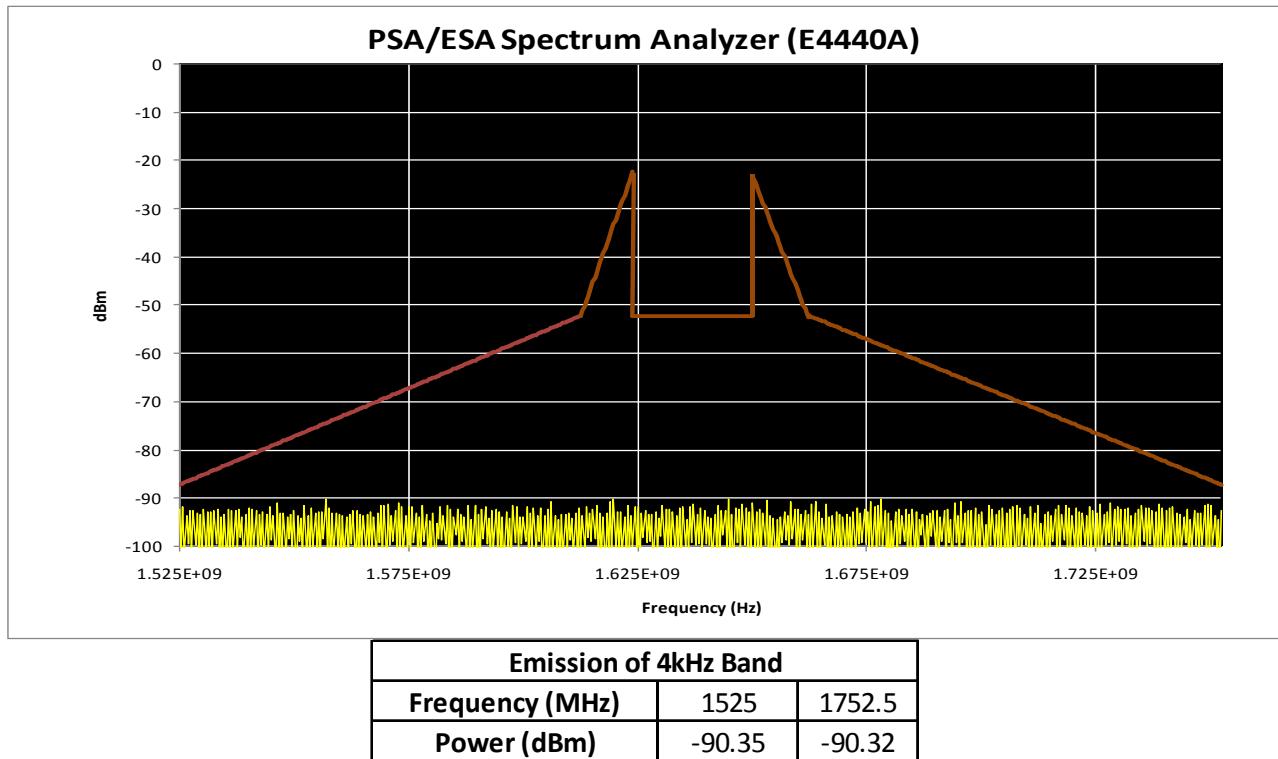


Exhibit 6G-9

6W Power 153.0125 MHz, 25 kHz Channel Spacing (Analog Mode) (Part 80.211(c))

**Exhibit 6H**
Frequency Stability

January, 2013

EXHIBIT 6
SHEET 29 OF 32

Exhibit 6H-1

Frequency Stability (153.0125 MHz) vs. Temperature

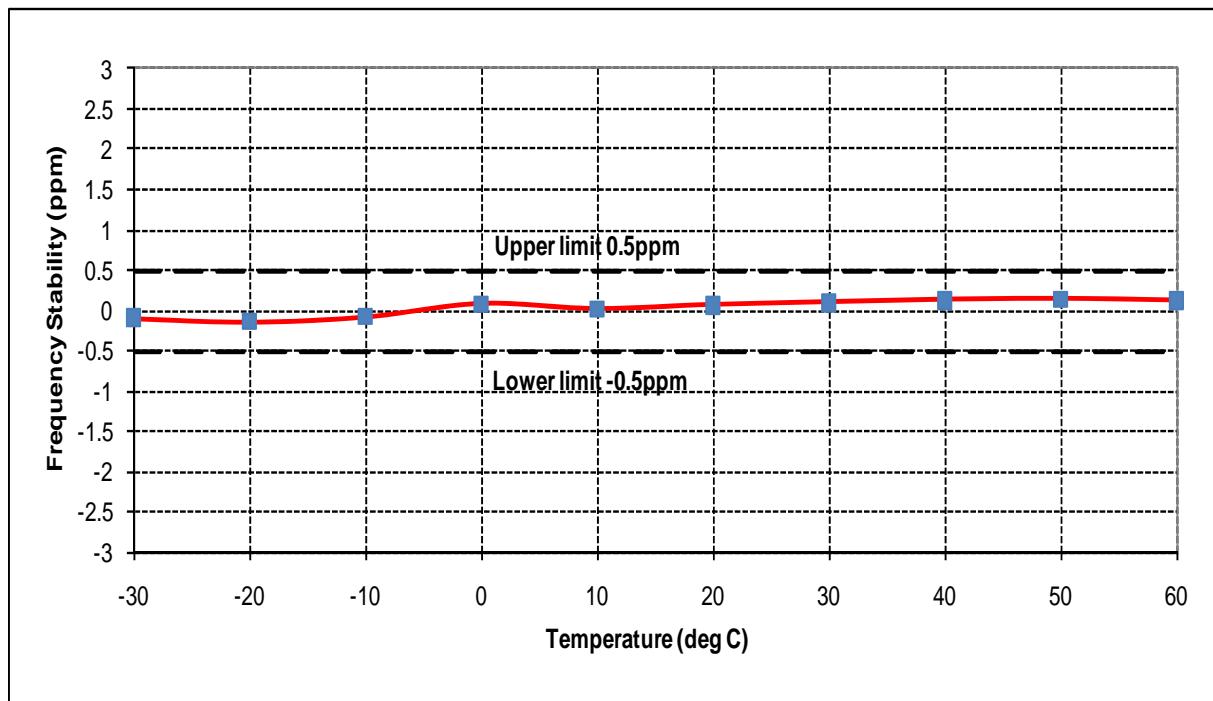


Exhibit 6H-2

Frequency Stability (153.0125 MHz) vs Supply Voltage

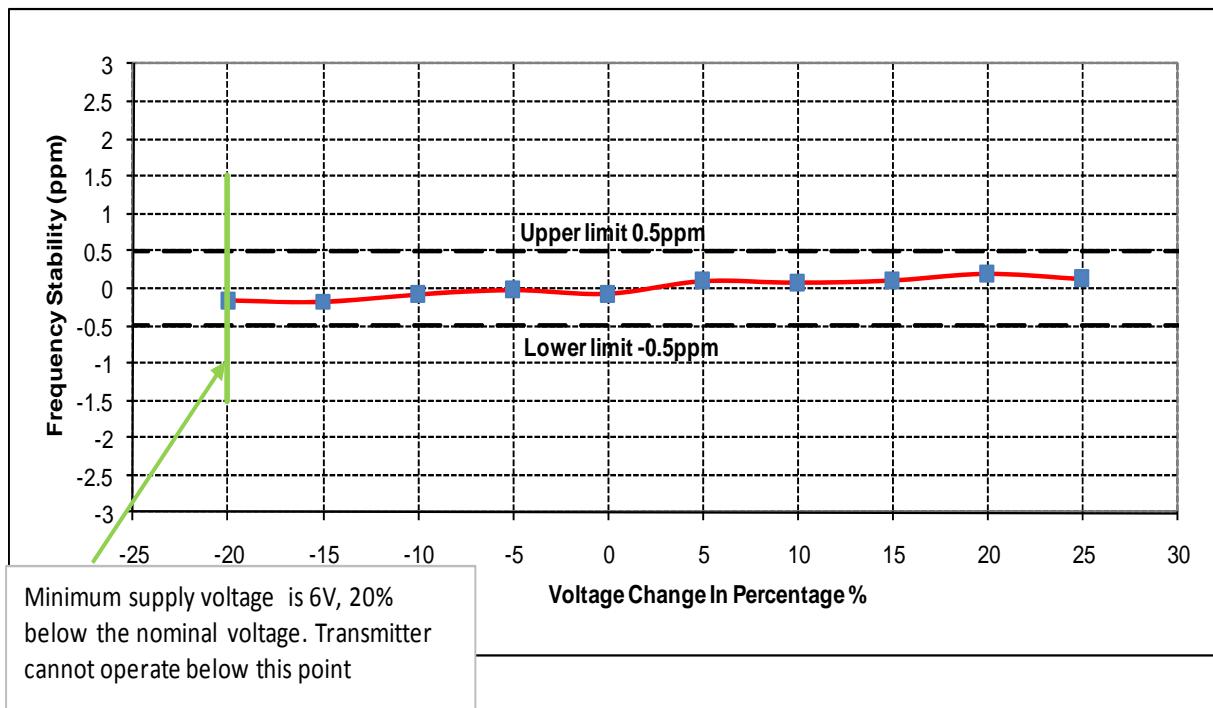

EXHIBIT 6I
Transient Frequency Behavior

Exhibit 6I-1

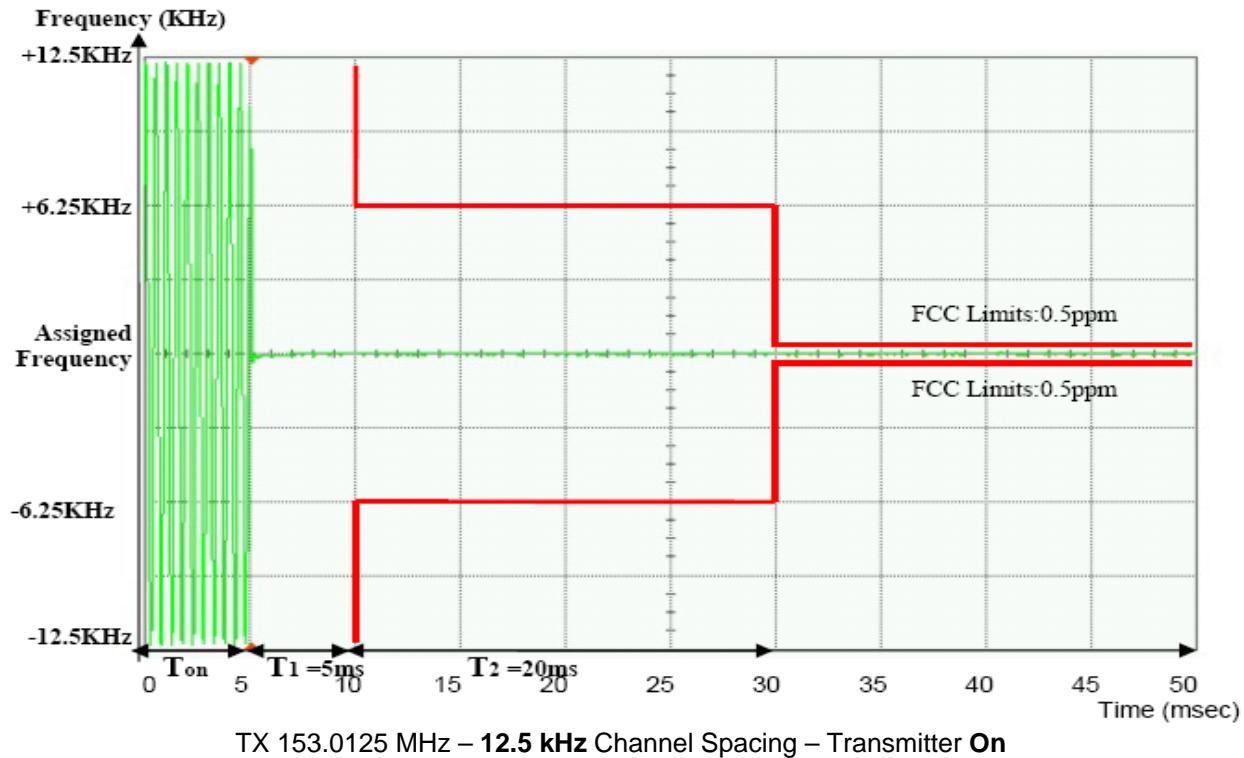
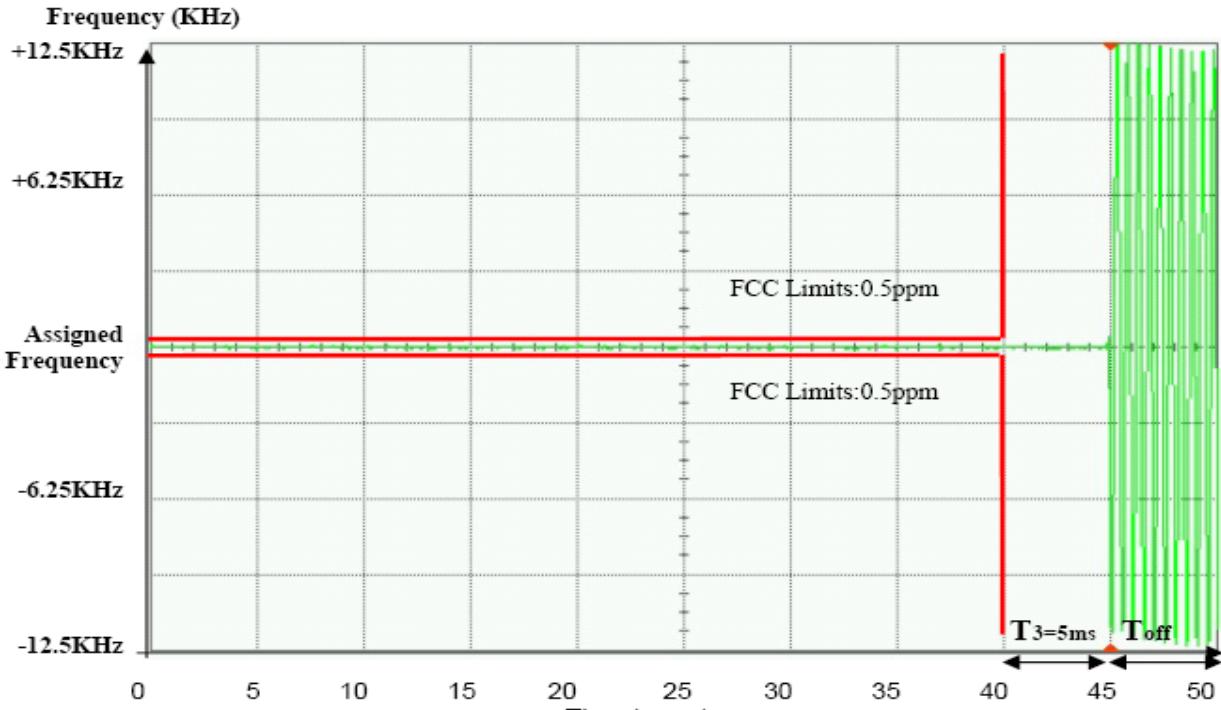


Exhibit 6I-2



TX 153.0125 MHz – 12.5 kHz Channel Spacing – Transmitter Off

Exhibit 6I-3

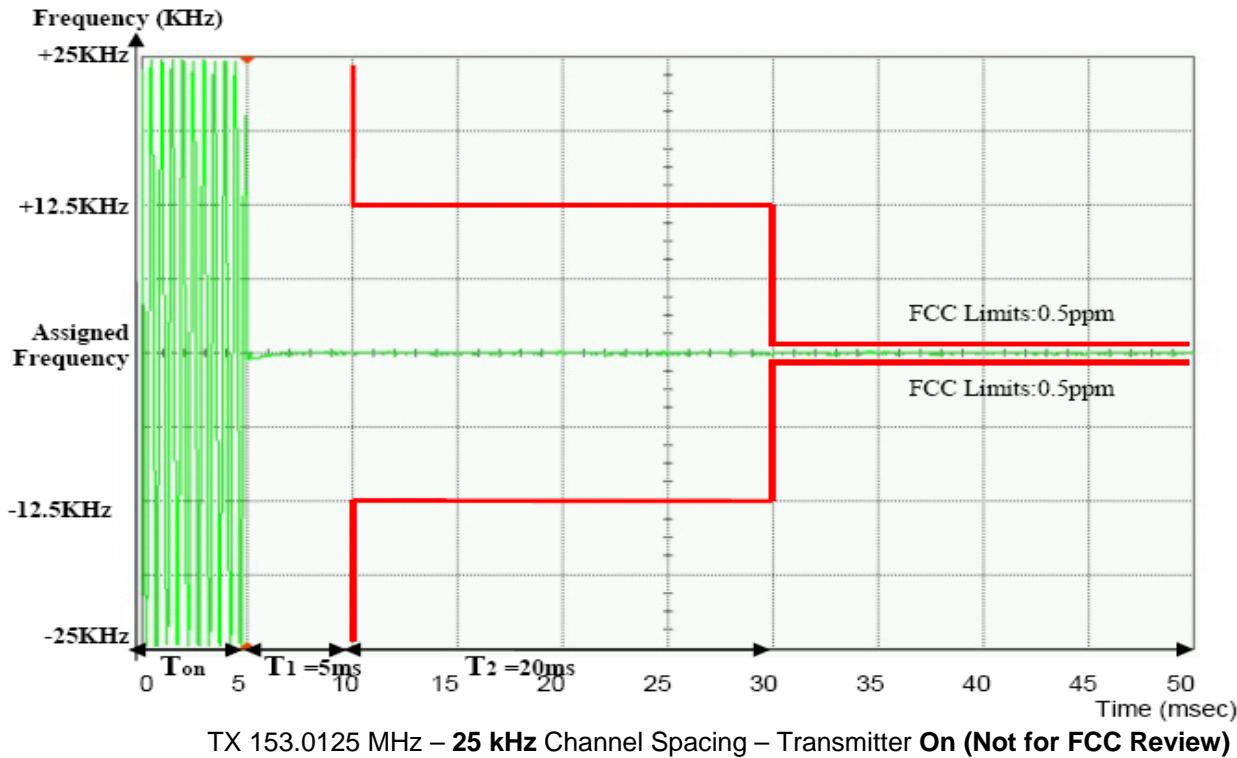


Exhibit 6I-4

