

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 –429.9875 MHz, 12.5 kHz Channel Spacing

6B-2 –429.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

EXHIBIT 6C – Audio Low Pass Filter Response

6C-1 –429.9875 MHz, 12.5 kHz Channel Spacing

6C-2 –429.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

EXHIBIT 6D – Modulation Limiting

6D-1 –429.9875 MHz, 12.5 kHz Channel Spacing

6D-2 –429.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

EXHIBIT 6E – Occupied Bandwidth

6E-1: 429.9875 MHz, 12.5 kHz, 2500 Hz Audio Modulation Only, 11K0F3E Mask D

6E-2: 429.9875 MHz, 25 kHz, 2500 Hz Audio Modulation Only, 16K0F3E Mask B (Not for FCC review)

6E-3: 429.9875 MHz, 12.5 kHz, 2500 Hz Audio and PL Tone Modulation, 11K0F3E Mask D

6E-4: 429.9875 MHz, 12.5 kHz, 2500 Hz Audio and DPL Tone Modulation, 11K0F3E Mask D

6E-5: 429.9875 MHz, 25 kHz, 2500 Hz Audio and PL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-6: 429.9875 MHz, 25 kHz, 2500 Hz Audio and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-7: 429.9875 MHz, 12.5 kHz, DTMF Modulation Only, 11K0F3E Mask D

6E-8: 429.9875 MHz, 25 kHz, DTMF Modulation Only, 16K0F3E Mask B (Not for FCC review)

6E-9: 429.9875 MHz, 12.5 kHz, DTMF and PL Tone Modulation, 11K0F3E Mask D

6E-10: 429.9875 MHz, 12.5 kHz, DTMF and DPL Tone Modulation, 11K0F3E Mask D

6E-11: 429.9875 MHz, 25 kHz, DTMF and PL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-12: 429.9875 MHz, 25 kHz, DTMF and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-13: 429.9875 MHz, 12.5 kHz, 2000/3000 Hz FSK Data Modulation Only, 11K0F3E Mask D

6E-14: 429.9875 MHz, 25 kHz, 2000/3000 Hz FSK Data Modulation Only, 11K0F3E Mask B (Not for FCC review)

6E-15: 429.9875 MHz, 12.5 kHz, 2000/3000 Hz FSK Data and PL Tone Modulation, 11K0F3E Mask D

6E-16: 429.9875 MHz, 12.5 kHz, 2000/3000 Hz FSK Data and DPL Tone Modulation, 11K0F3E Mask D

6E-17: 429.9875 MHz, 25 kHz, 2000/3000 Hz FSK Data and PL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-18: 429.9875 MHz, 25 kHz, 2000/3000 Hz FSK Data and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

6E-19: 429.9875 MHz, 0.153 Test Pattern 4FSK Voice (F2 BER) and Data Modulation, 7K60FXE Mask D

6E-20: 429.9875 MHz, 0.153 Test Pattern 4FSK Voice (F2 Silent) and Data Modulation, 7K60FXD Mask D

EXHIBIT 6F – Radiated Spurious Emissions

6F-1 – 403.0125 MHz, 12.5 kHz Channel Spacing, 4.80W (Not for FCC review)

406.1125 MHz, 12.5 kHz Channel Spacing, 4.80W

6F-2 – 429.9875 MHz, 12.5 kHz Channel Spacing, 4.80W

469.9875 MHz, 12.5 kHz Channel Spacing, 4.80W

6F-3 – 403.0125 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)

406.1125 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)
6F-4 – 429.9875 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)
469.9875 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)

EXHIBIT 6G – Conducted Spurious Emissions

6G-1 – 406.1125 MHz, 12.5 kHz Channel Spacing, 4.80W
6G-2 – 406.1125 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)
6G-3 – 429.9875 MHz, 12.5 kHz Channel Spacing, 4.80W
6G-4 – 429.9875 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)
6G-5 – 469.9875 MHz, 12.5 kHz Channel Spacing, 4.80W
6G-6 – 469.9875 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)
6G-7 – 403.0125 MHz, 12.5 kHz Channel Spacing, 4.80W (Not for FCC review)
6G-8 – 403.0125 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)

EXHIBIT 6H – Frequency Stability

6H-1 – 429.9875 MHz, 12.5 kHz Channel Spacing
6H-2 – 429.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

EXHIBIT 6I – Transient Frequency Behavior

6I-1 – 429.9875 MHz, 12.5 kHz Channel Spacing – Transmitter On
6I-2 – 429.9875 MHz, 12.5 kHz Channel Spacing – Transmitter Off
6I-3 – 429.9875 MHz, 25 kHz Channel Spacing – Transmitter On (Not for FCC review)
6I-4 – 429.9875 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 and RSS 119 during the month of January 2013. See Table 2 in Ex07_test procedures**

EXHIBIT 6A**RF Conducted Power Output Data**HIGH POWER**Frequency = 406.1125 MHz**

Output RF power	4.30 Watts
DC Voltage	7.50 Volts
DC Current	1.54 Amps

Frequency = 429.9875 MHz:

Output RF power	4.30 Watts
DC Voltage	7.50 Volts
DC Current	1.52 Amps

Frequency = 469.9875 MHz:

Output RF power	4.30 Watts
DC Voltage	7.50 Volts
DC Current	1.61 Amps

Frequency = 403.0125 MHz: (Federal Band)

Output RF power	4.30 Watts
DC Voltage	7.40 Volts
DC Current	1.60 Amps

LOW POWER**Frequency = 406.1125 MHz**

Output RF power	1.20 Watts
DC Voltage	7.50 Volts
DC Current	0.79 Amps

Frequency = 429.9875 MHz:

Output RF power	1.20 Watts
DC Voltage	7.50 Volts
DC Current	0.84 Amps

Frequency = 469.9875 MHz:

Output RF power	1.20 Watts
DC Voltage	7.50 Volts
DC Current	0.86 Amps

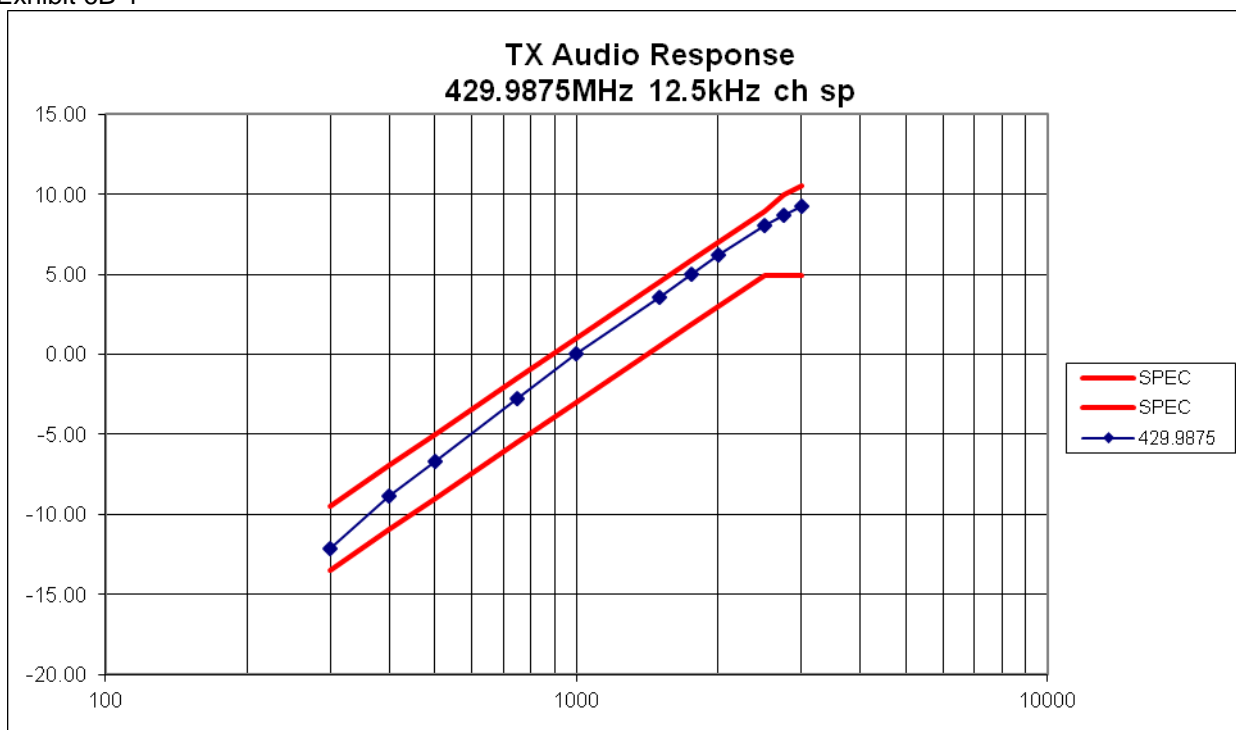
Frequency = 403.0125 MHz: (Federal Band)

Output RF power	1.20 Watts
DC Voltage	7.50 Volts
DC Current	0.78 Amps

EXHIBIT 6B - Transmit Audio Response

Audio Frequency Response
(Freq: 429.9875 MHz, ChSp: 12.5kHz)

Exhibit 6B-1



Audio Frequency Response (Not for FCC review)
(Freq: 429.9875 MHz, ChSp: 25kHz)

Exhibit 6B-2

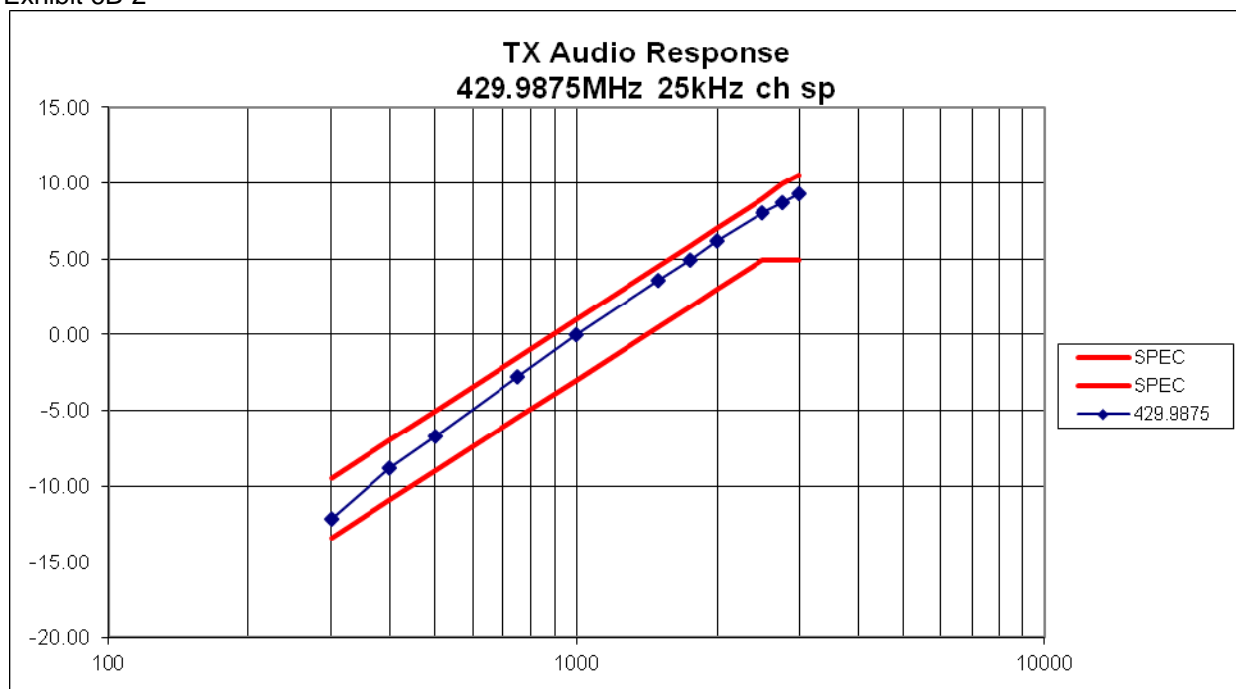
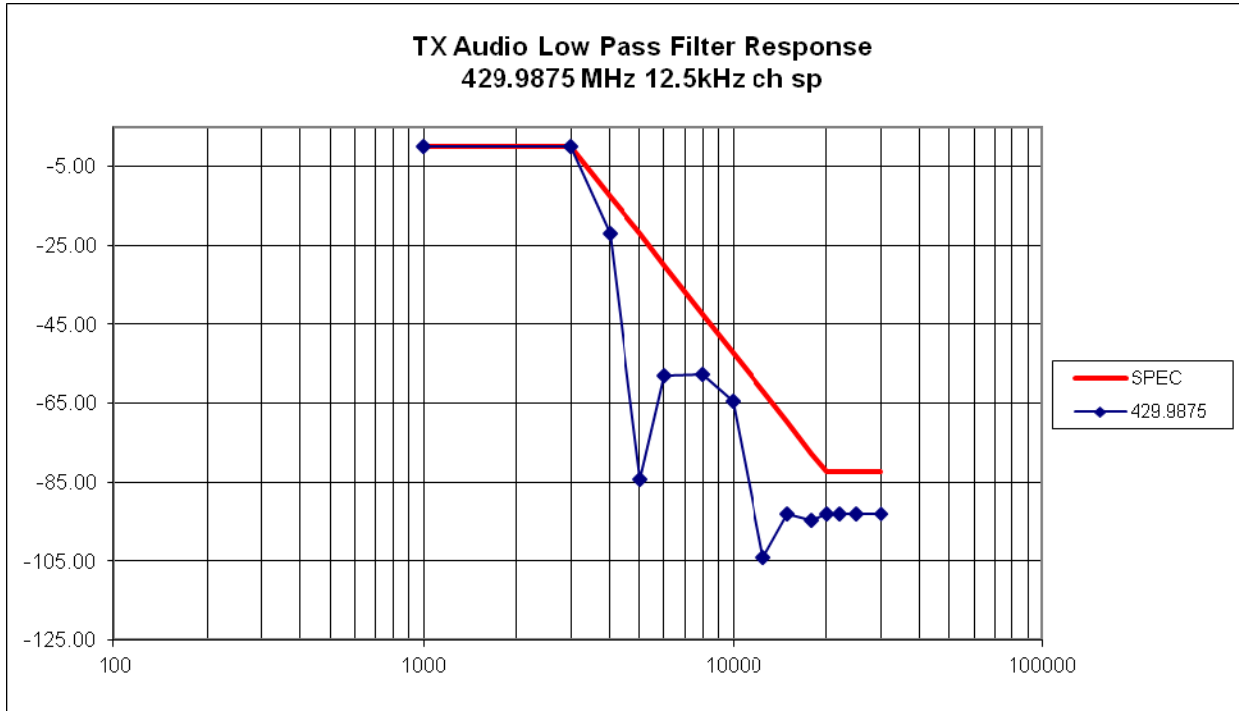


EXHIBIT 6C - Audio Low Pass Filter Response**Transmit Low Pass Filter Frequency Response**

(Freq: 429.9875 MHz, ChSp: 12.5 kHz)

Exhibit 6C-1

**Transmit Low Pass Filter Frequency Response**

Freq: 429.9875 MHz, ChSp: 25 kHz (Not for FCC review)

Exhibit 6C-2

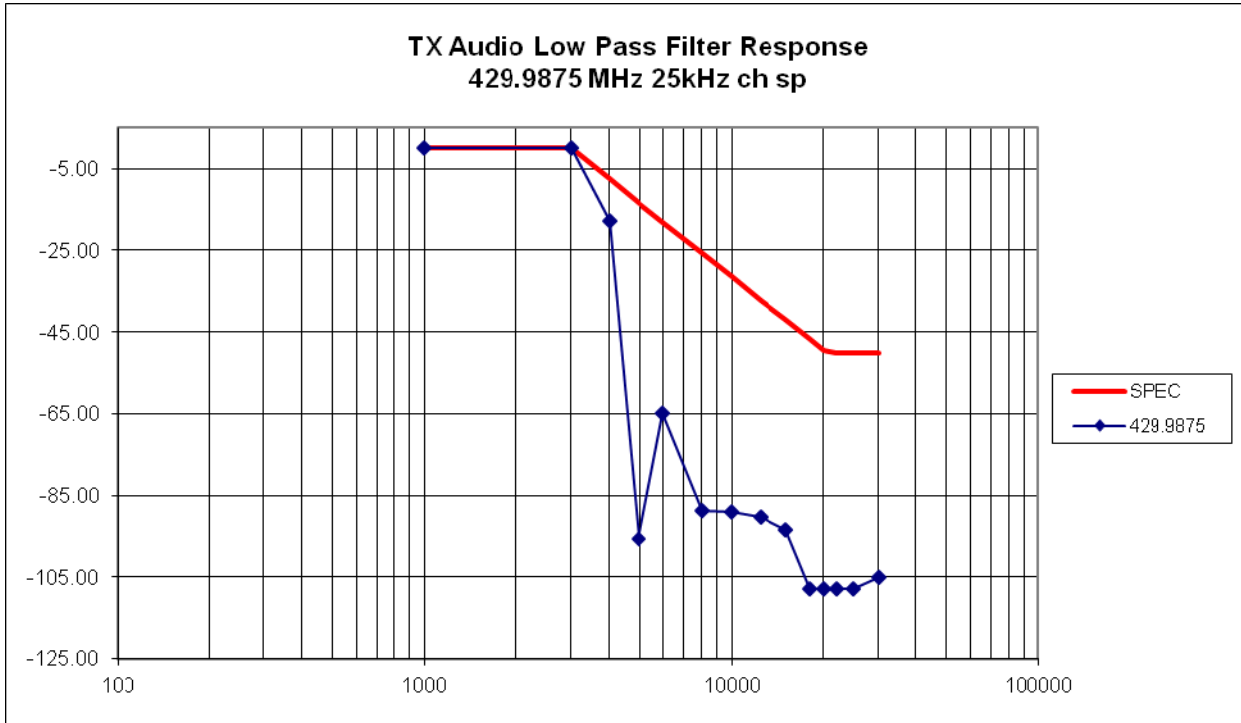
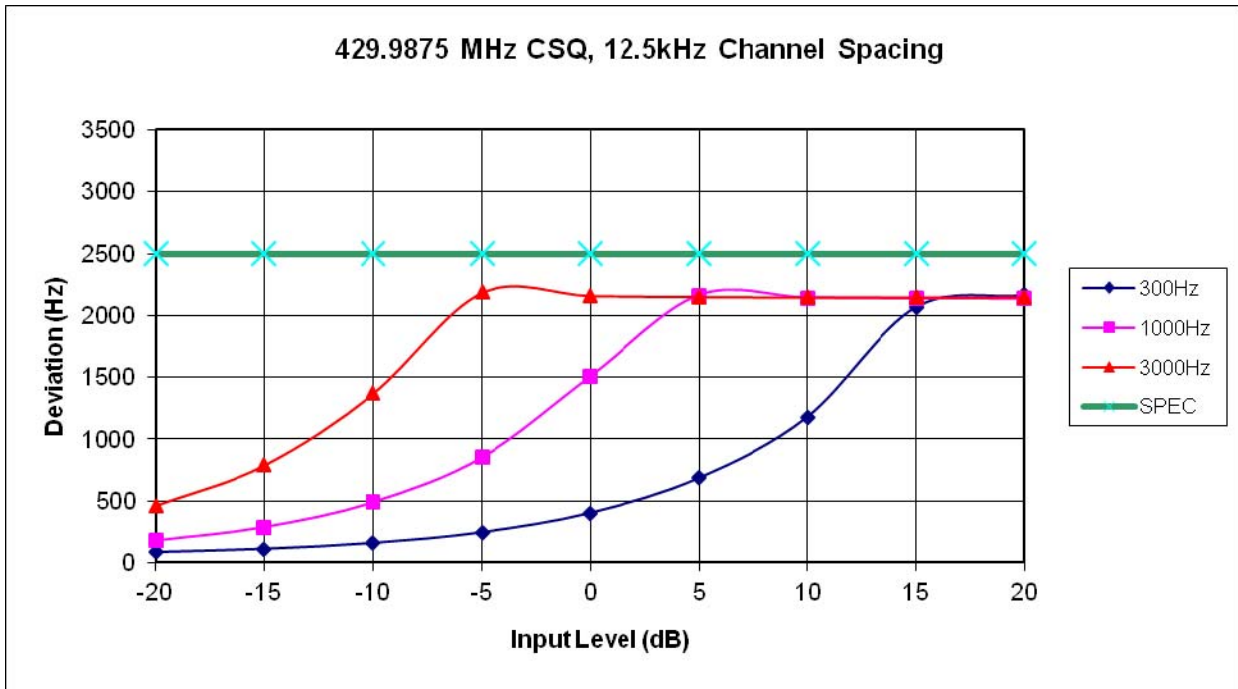


EXHIBIT 6D - Modulation Limiting

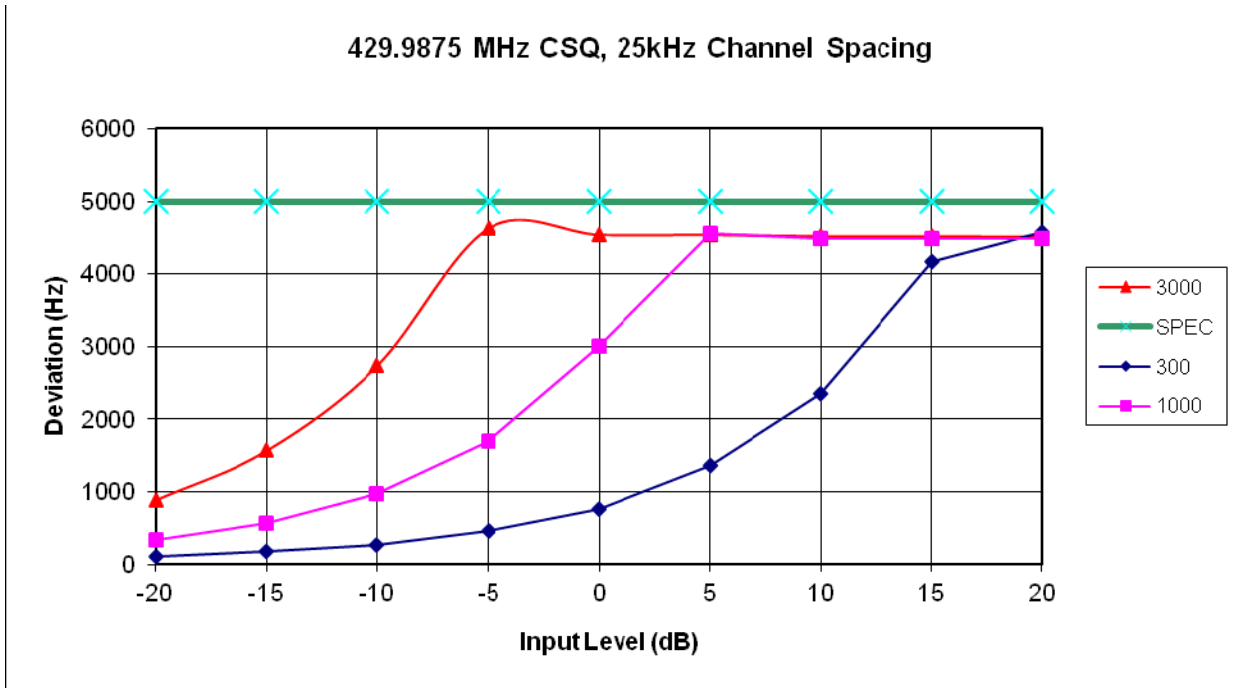
Freq: 429.9875 MHz, ChSp: 12.5 kHz

Exhibit 6D-1



Freq: 429.9875 MHz, ChSp: 25 kHz (Not for FCC review)

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: ABZ99FT4091

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**.

Standard Audio Modulation (25 kHz Channelization, Analog Voice):
Emission Designator 16K0F3E

In this case, the maximum modulating frequency is 3 kHz with a 5 kHz deviation.

$BW = 2(M+D) = 2*(3 \text{ kHz} + 5 \text{ kHz}) = 16 \text{ kHz} \Rightarrow 16K0$
F3E portion of the designator indicates voice.

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

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 $|f| < 2880 \text{ Hz}$. The magnitude response of the filter is given by the following formula.

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

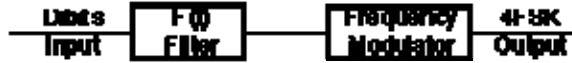
$|F(f)| = 1$ for $|f| \leq 1920$ Hz

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

$|F(f)| = 0$ for $|f| > 2880 \text{ Hz}$

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:

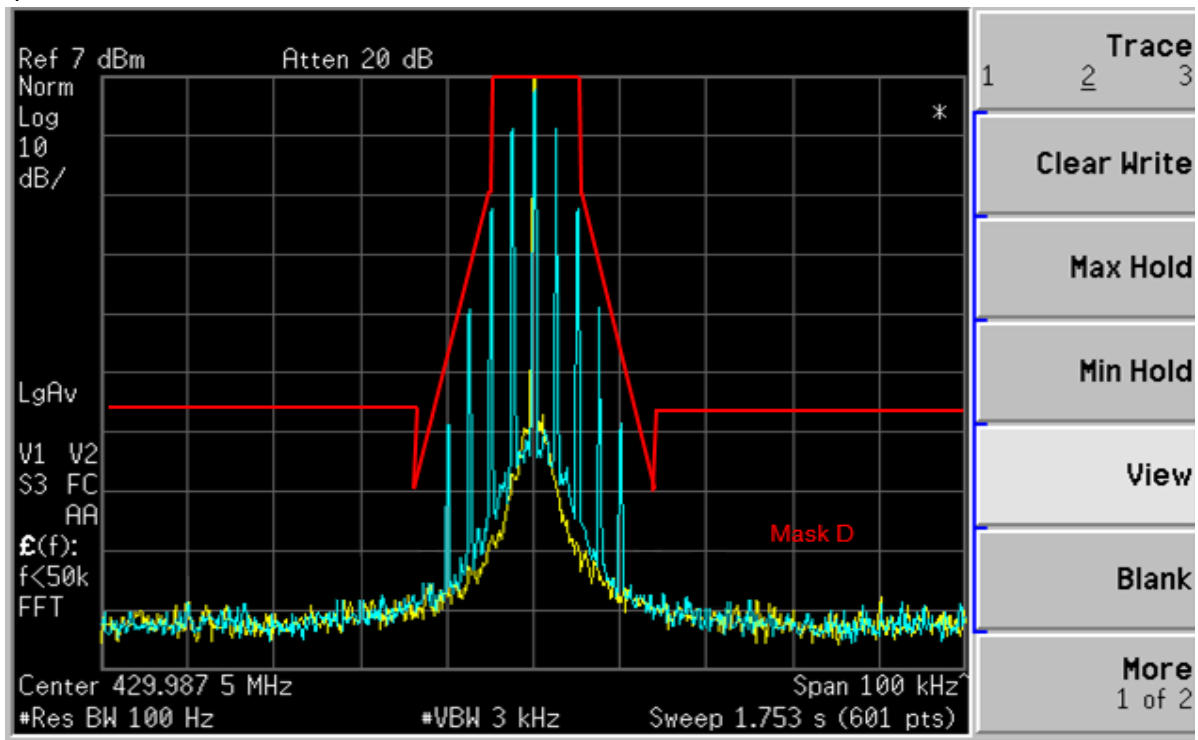
Frequency Modulation **F**
 Case not otherwise covered **X**
 Telephony (including sound broadcasting) **E**

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

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

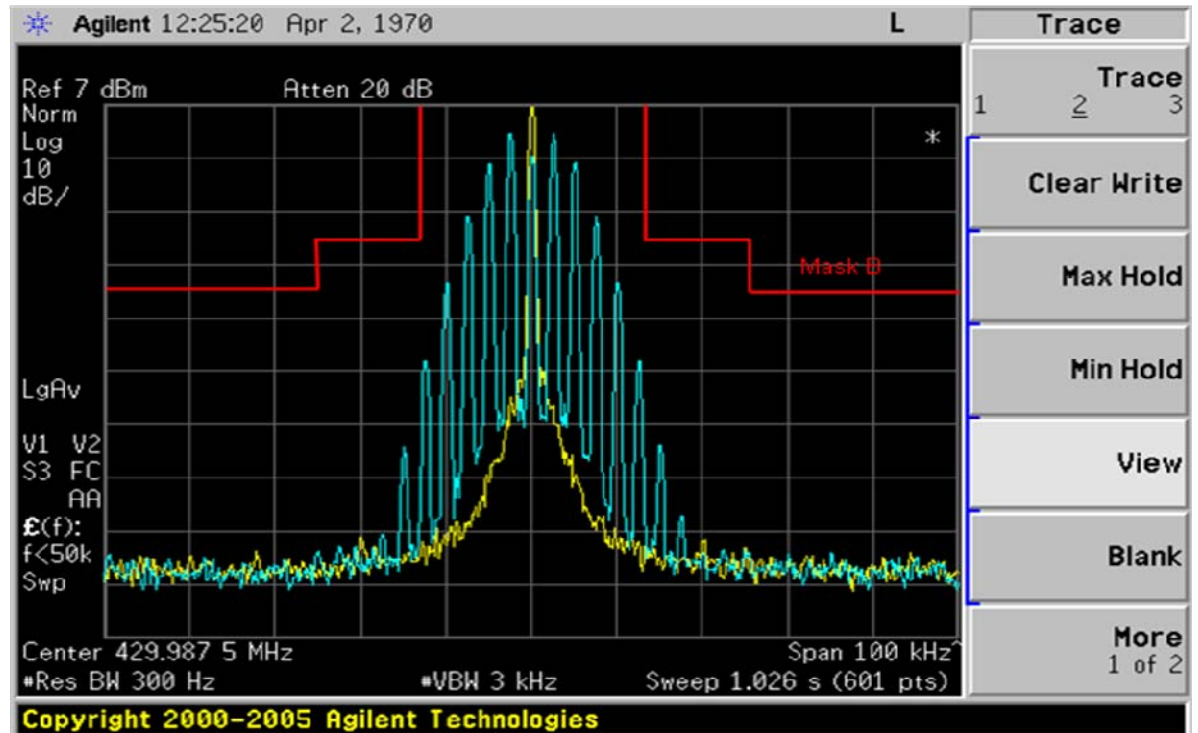
EXHIBIT 6E - Occupied Bandwidth Data

Exhibit 6E-1



429.9875 MHz, 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation Only, 11K0F3E Mask D

Exhibit 6E-2



429.9875 MHz, 25 kHz Channel Spacing, 2500 Hz Audio Modulation Only, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-3

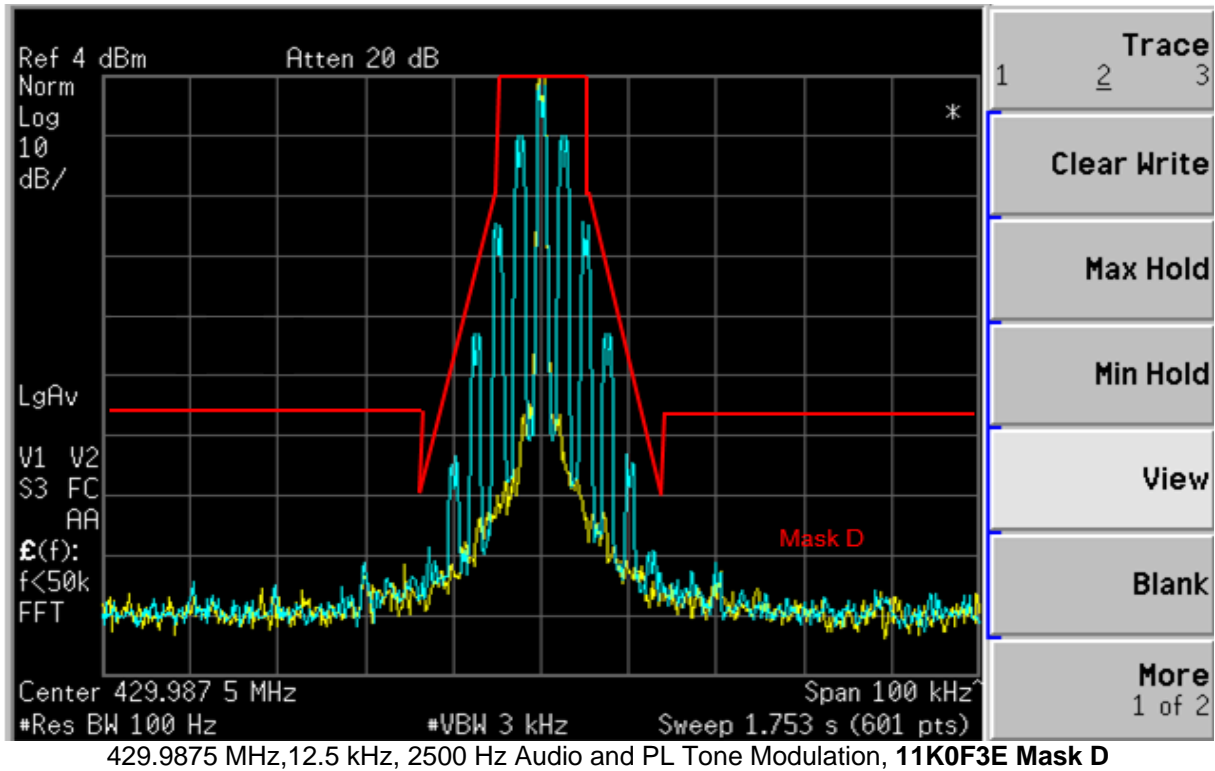


Exhibit 6E-4

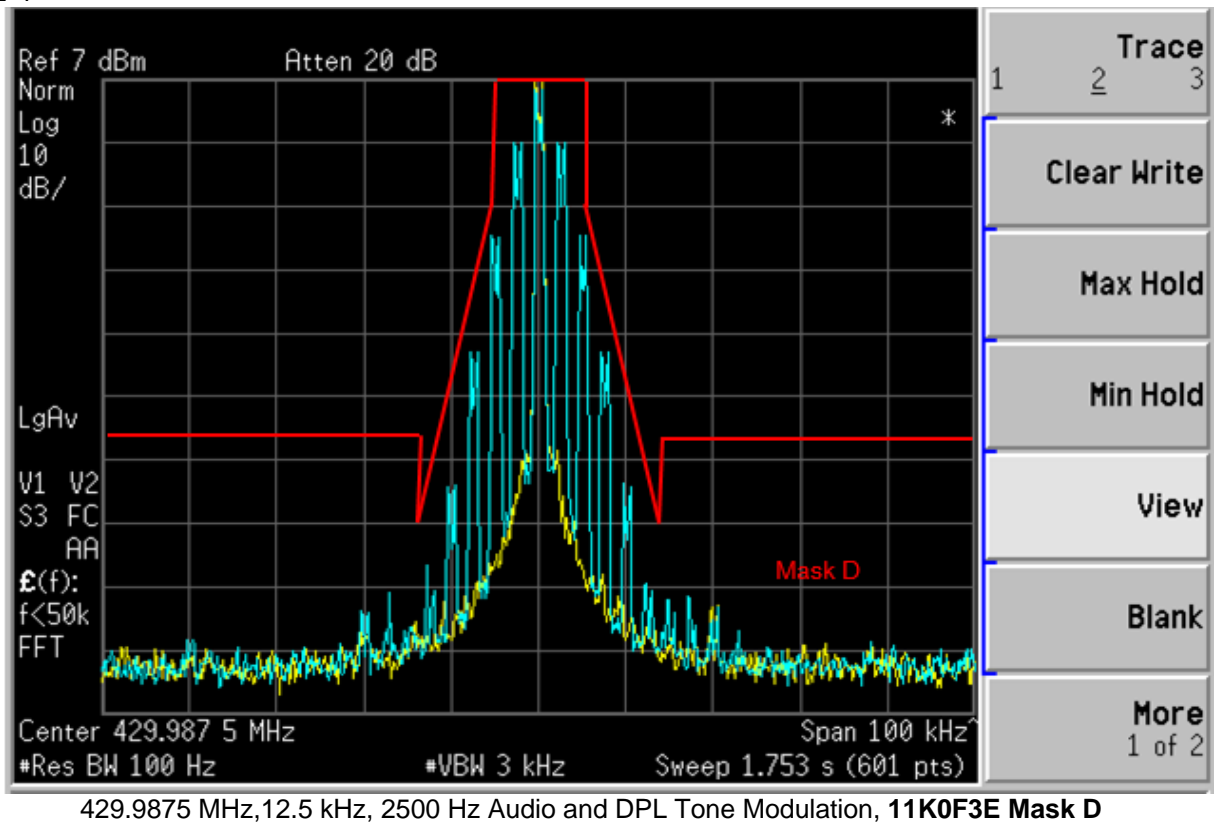
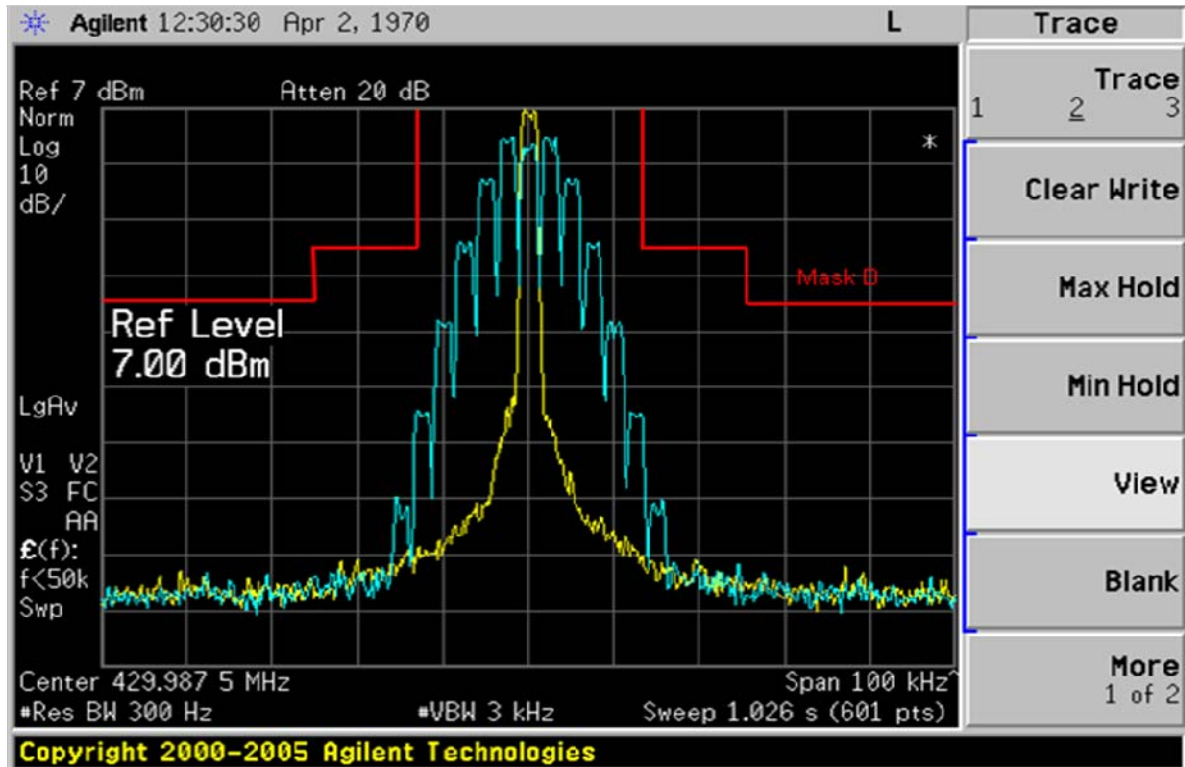
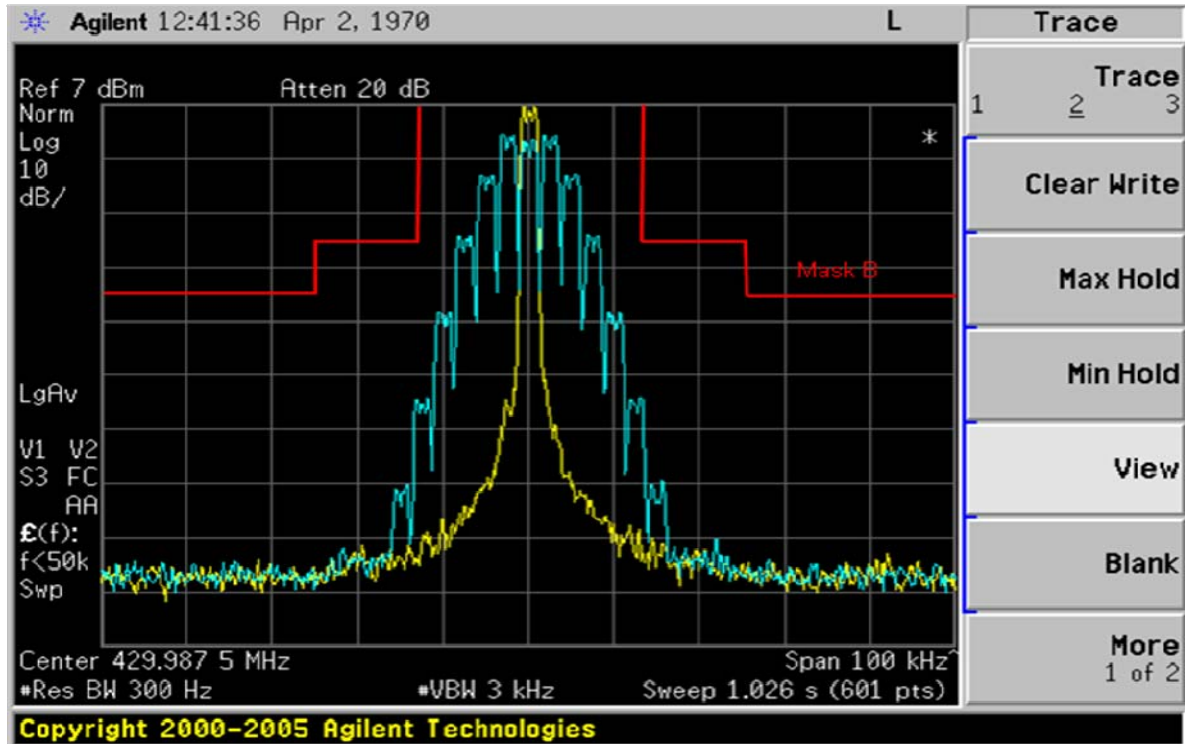


Exhibit 6E-5



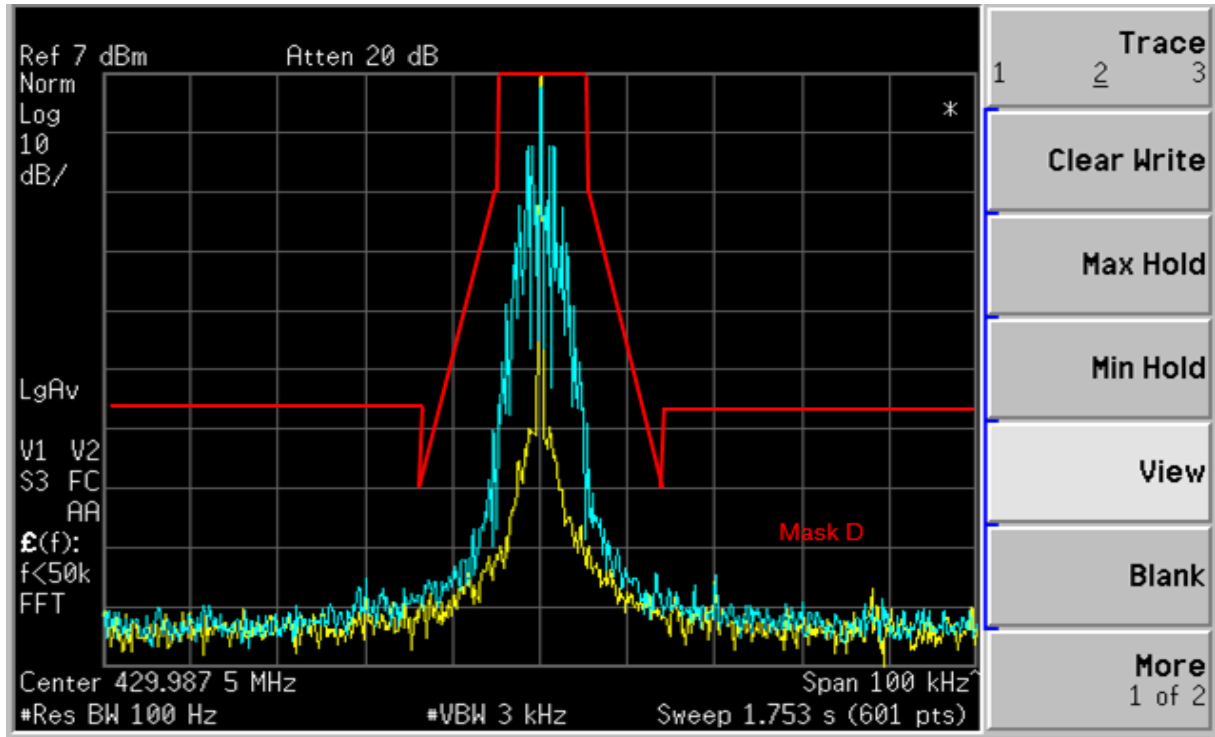
429.9875 MHz, 25 kHz, 2500 Hz Audio and PL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-6



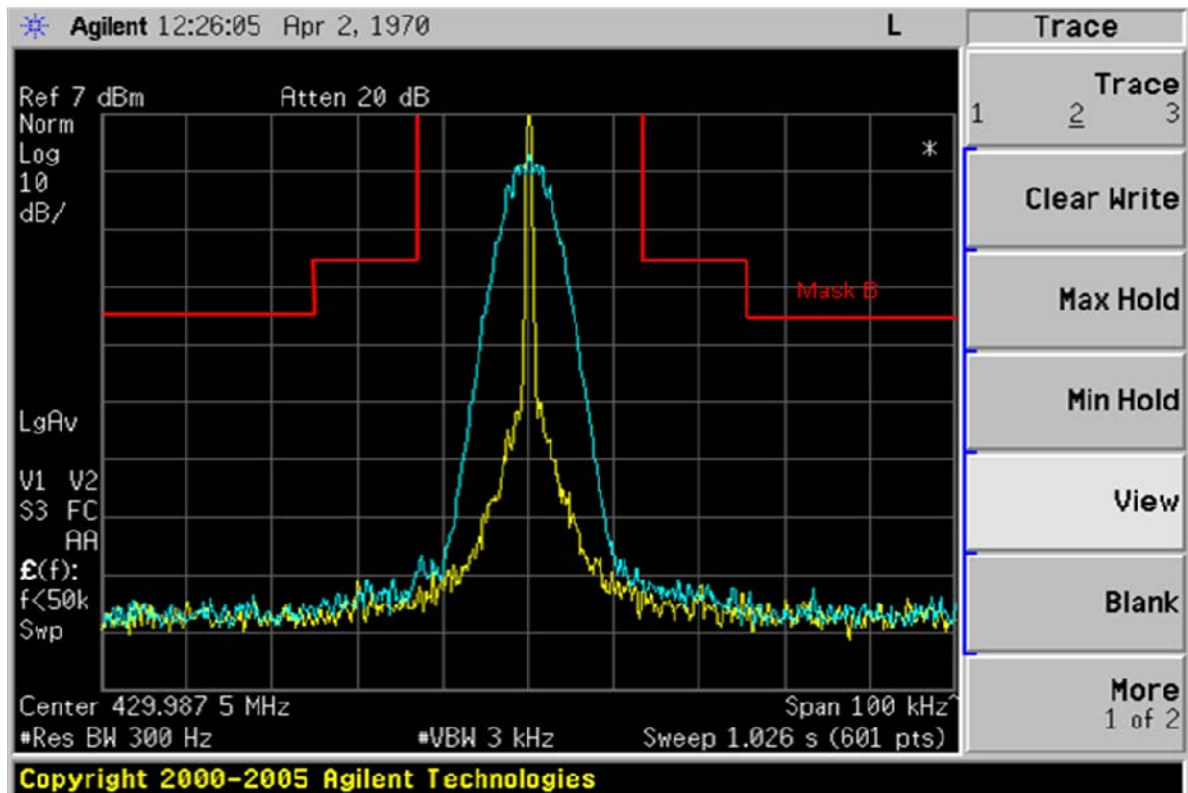
429.9875 MHz, 25 kHz, 2500 Hz Audio and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-7



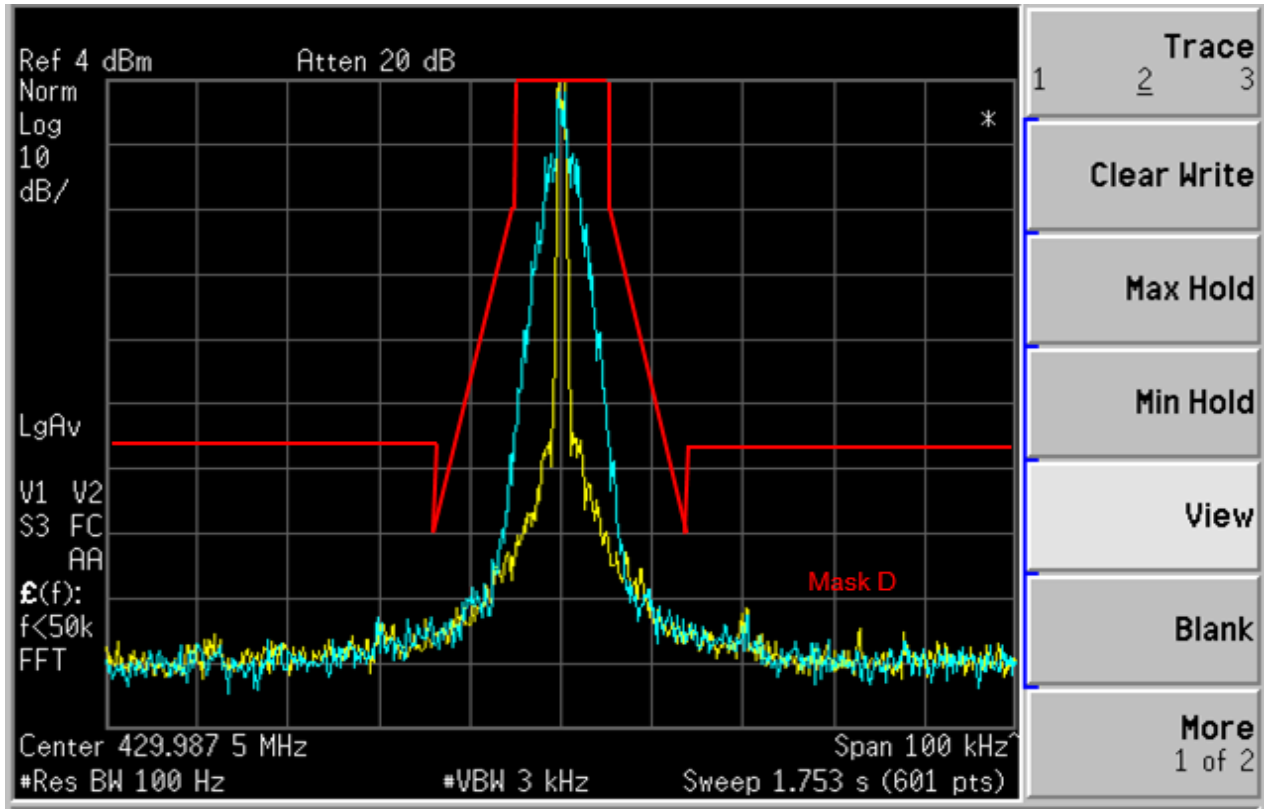
429.9875 MHz, 12.5 kHz Channel Spacing, DTMF Modulation Only, 11K0F3E Mask D

Exhibit 6E-8



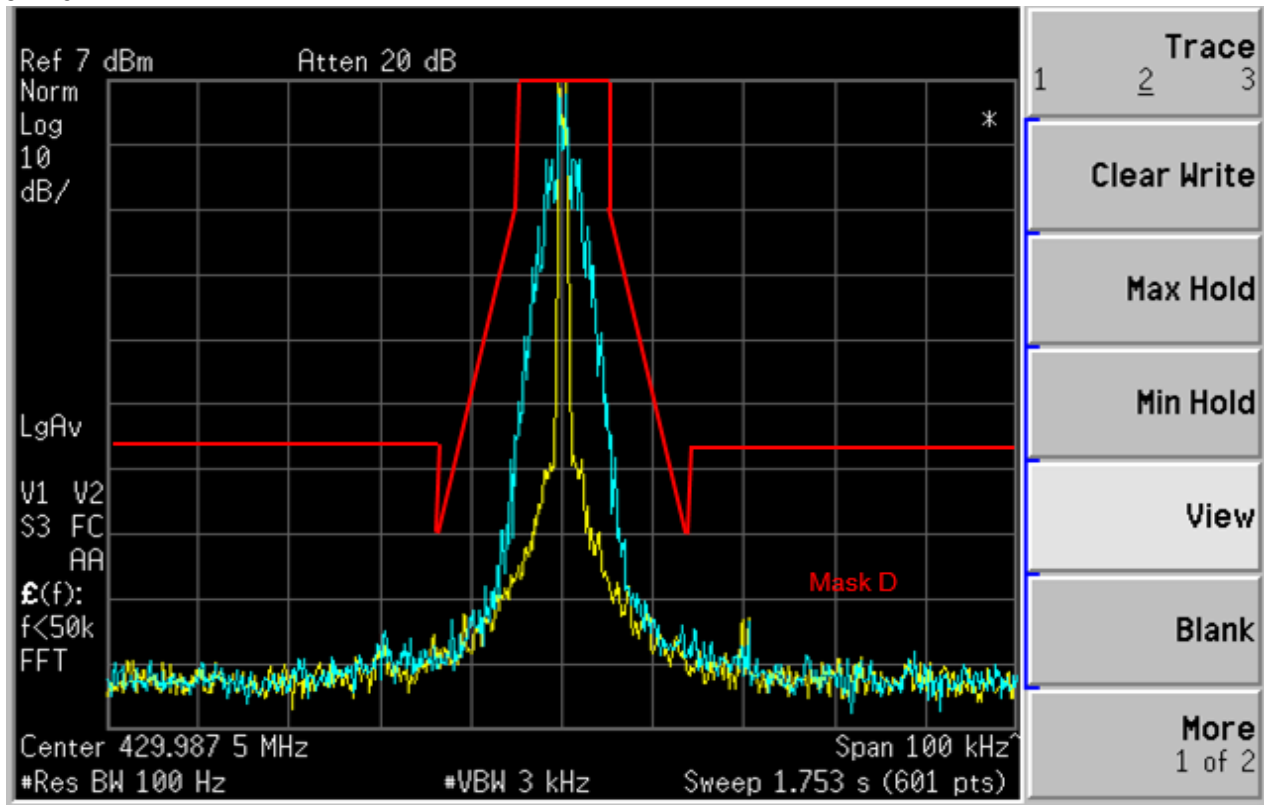
429.9875 MHz, 25 kHz Channel Spacing, DTMF Modulation Only, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-9



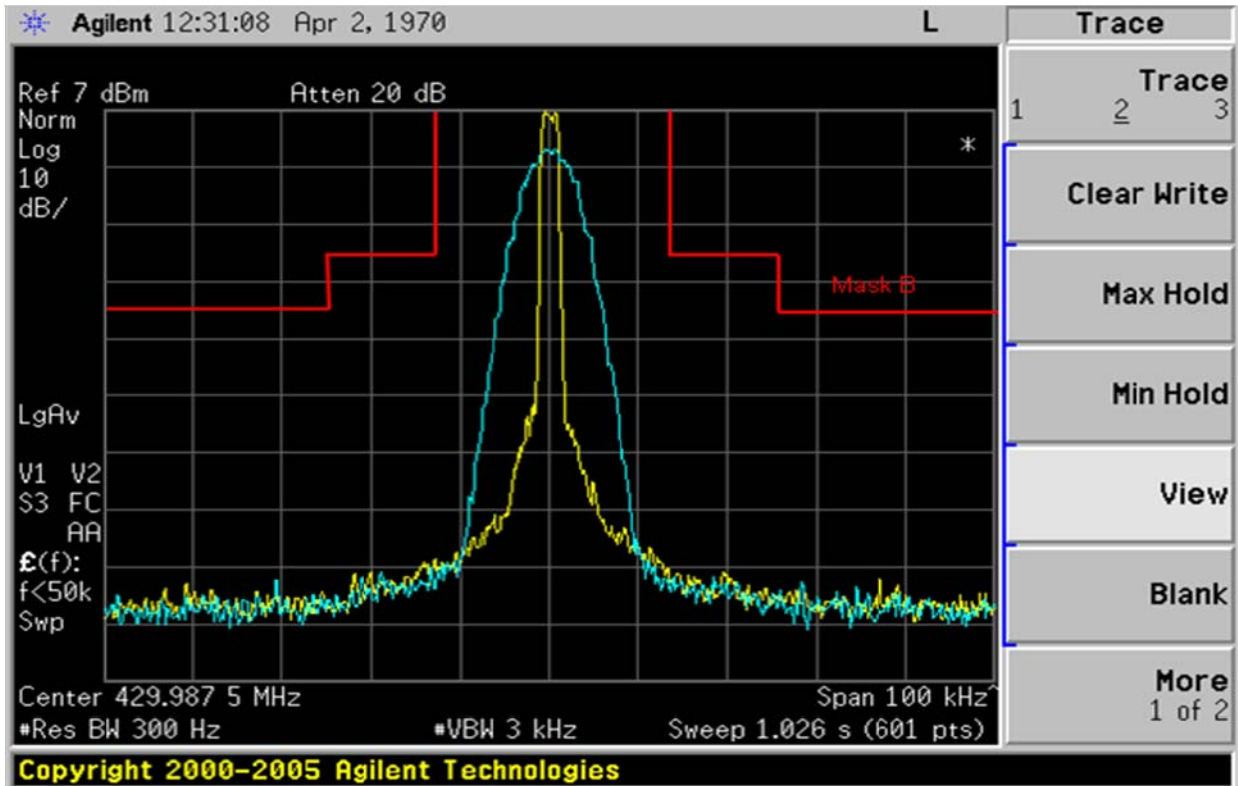
429.9875 MHz, 12.5 kHz Channel Spacing, DTMF and PL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-10



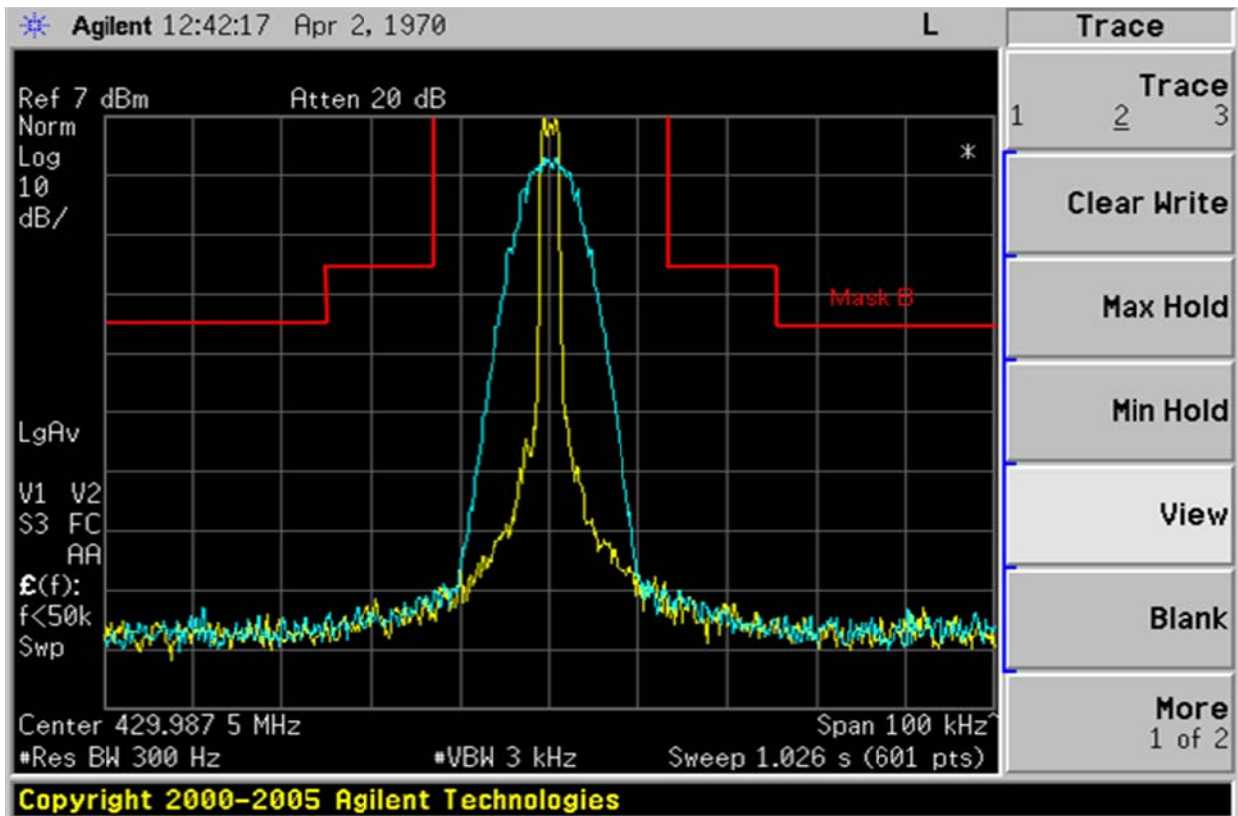
429.9875 MHz, 12.5 kHz Channel Spacing, DTMF and DPL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-11



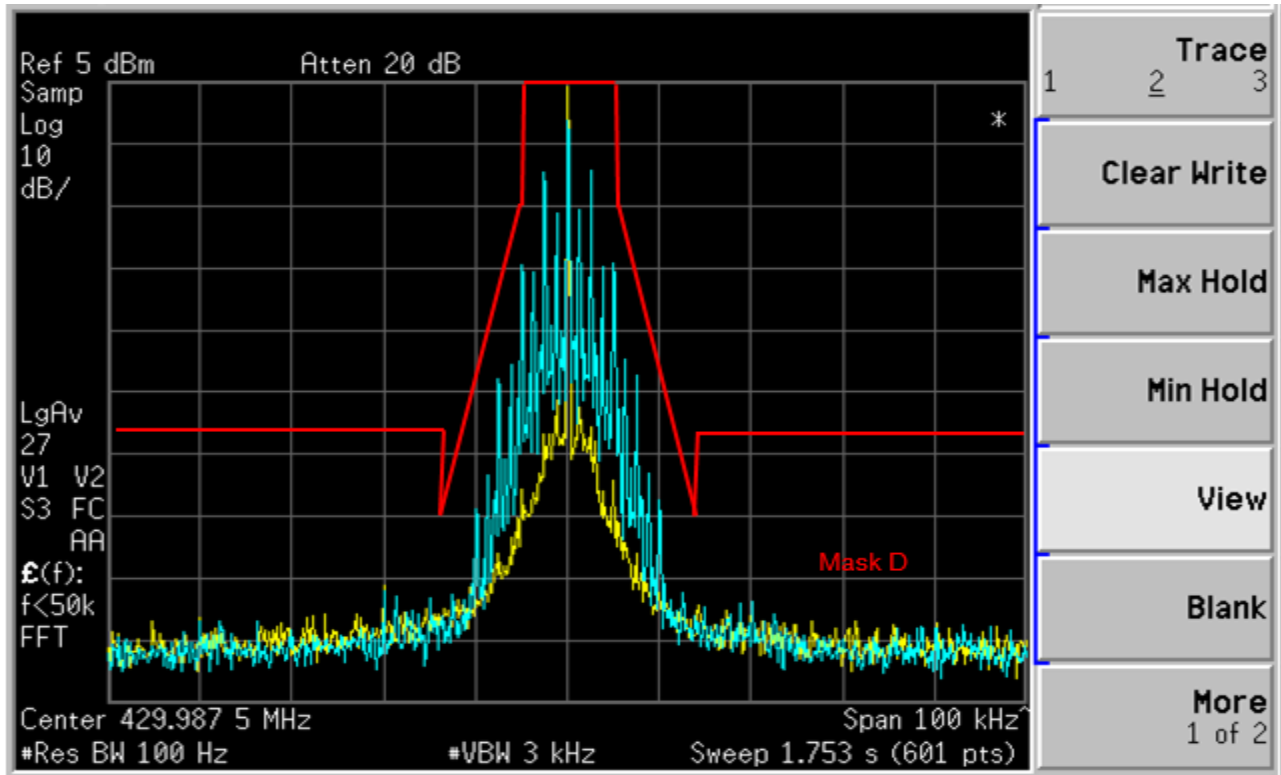
429.9875 MHz, 25 kHz Channel Spacing, DTMF and PL Tone Modulation, 16K0F3E Mask B (Not For FCC review)

Exhibit 6E-12



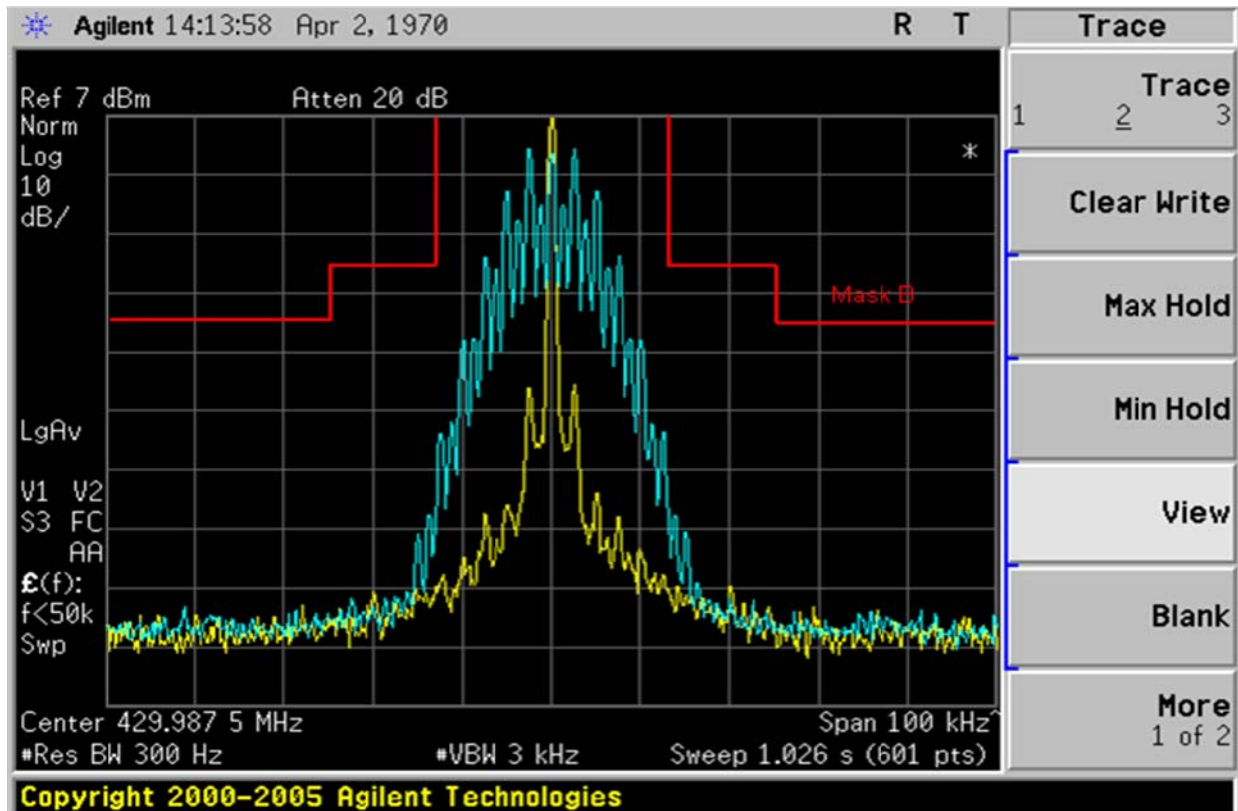
429.9875 MHz, 25 kHz Channel Spacing, DTMF and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-13



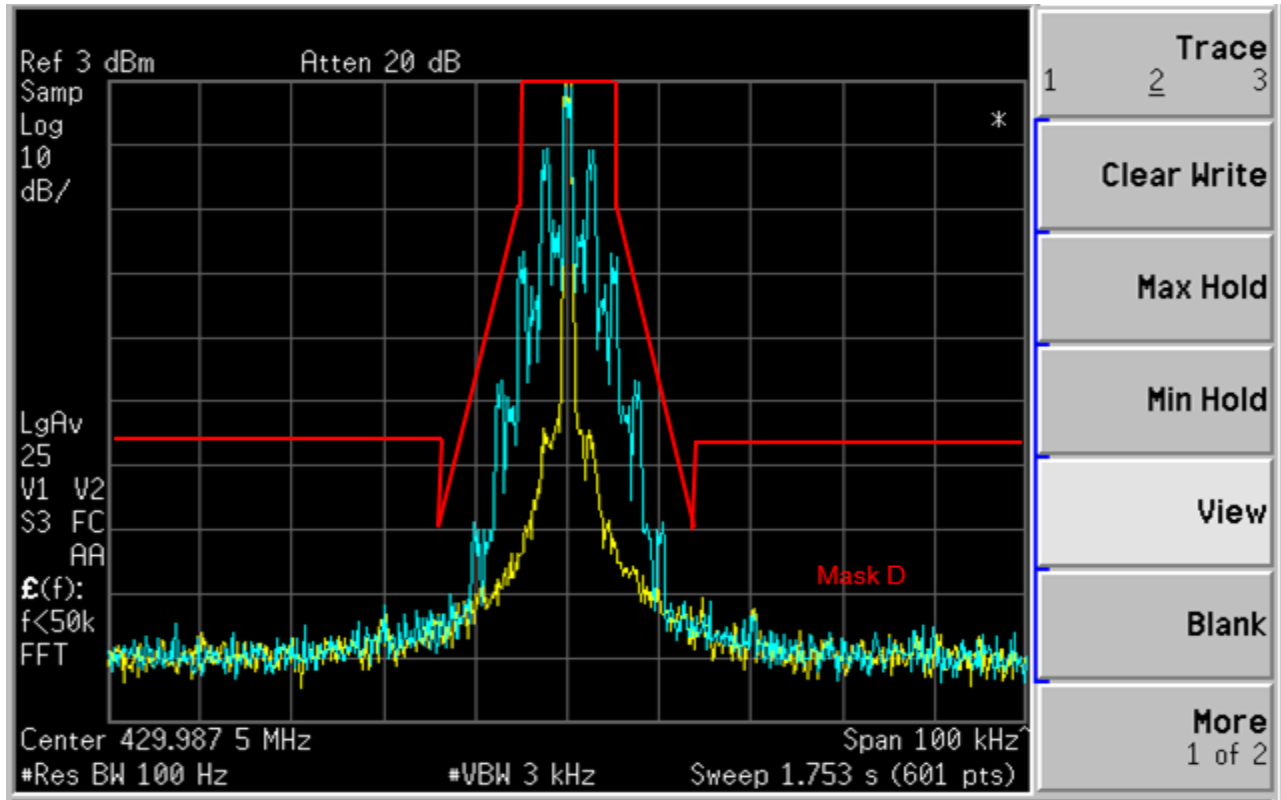
429.9875 MHz, 12.5 kHz, 2000/3000 Hz FSK Data Modulation Only, 11K0F3E Mask D

Exhibit 6E-14



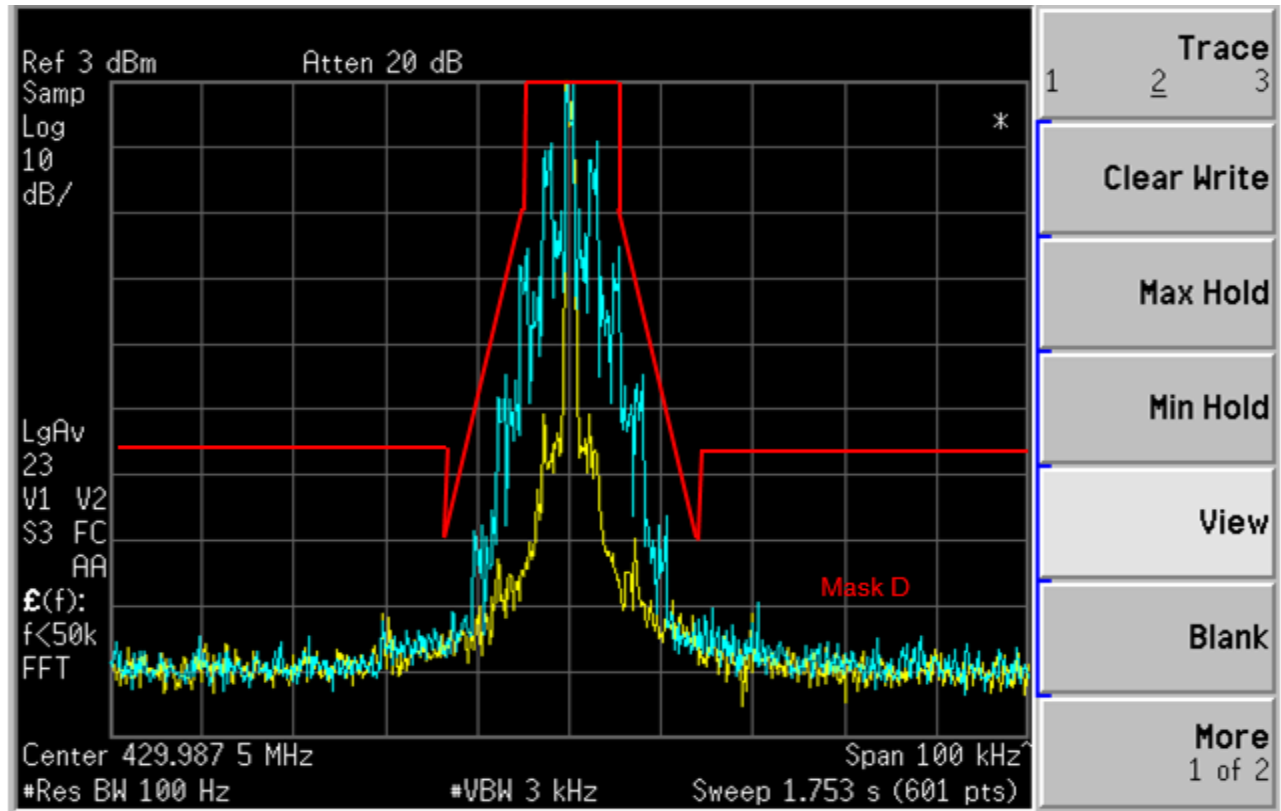
429.9875 MHz, 25 kHz, 2000/3000 Hz FSK Data Modulation Only, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-15



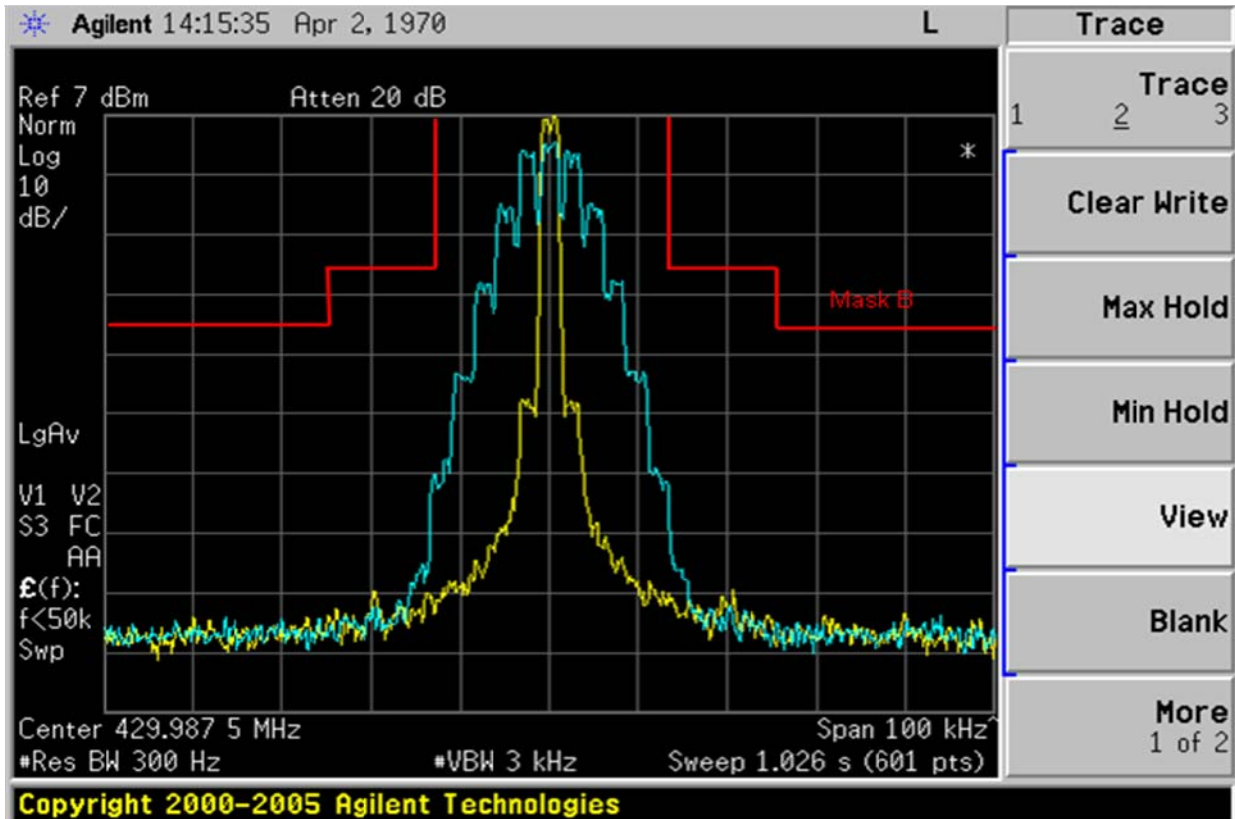
429.9875 MHz, 12.5 kHz, 2000/3000 Hz FSK Data and PL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-16



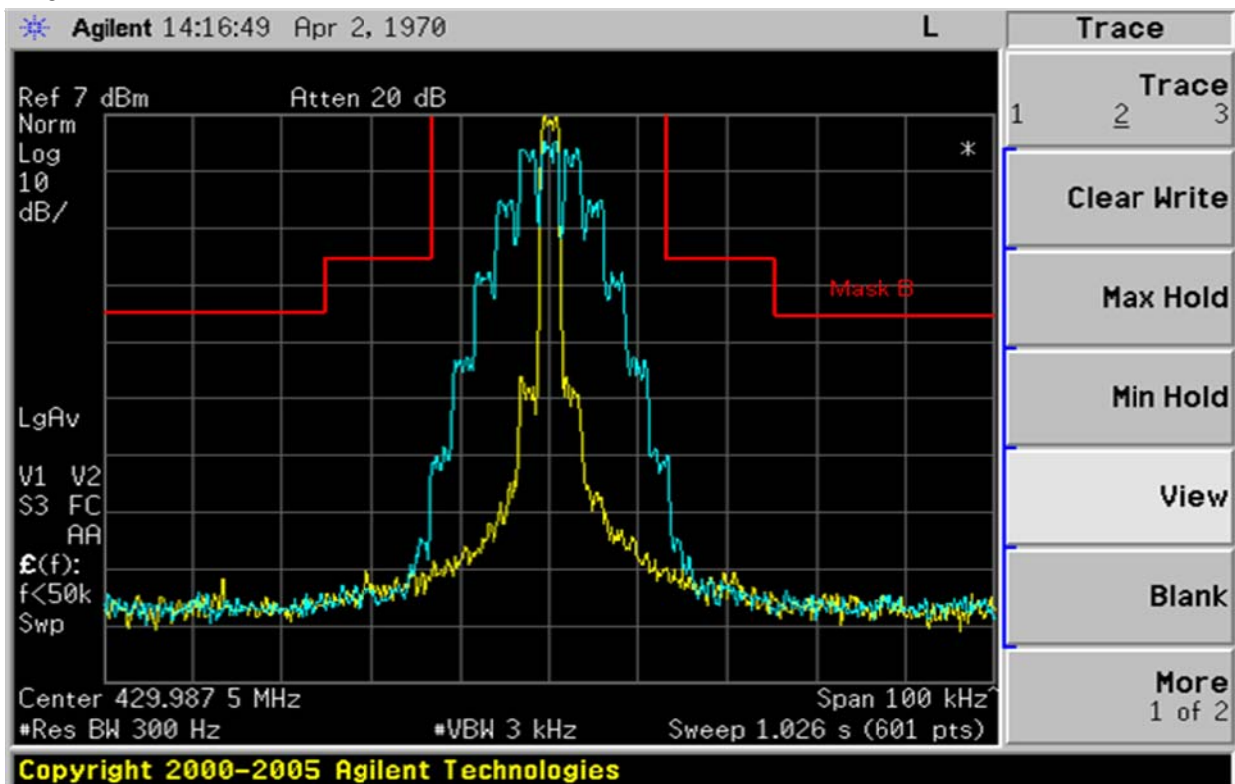
429.9875 MHz, 12.5 kHz, 2000/3000 Hz FSK Data and DPL Tone Modulation, 11K0F3E Mask D

Exhibit 6E-17



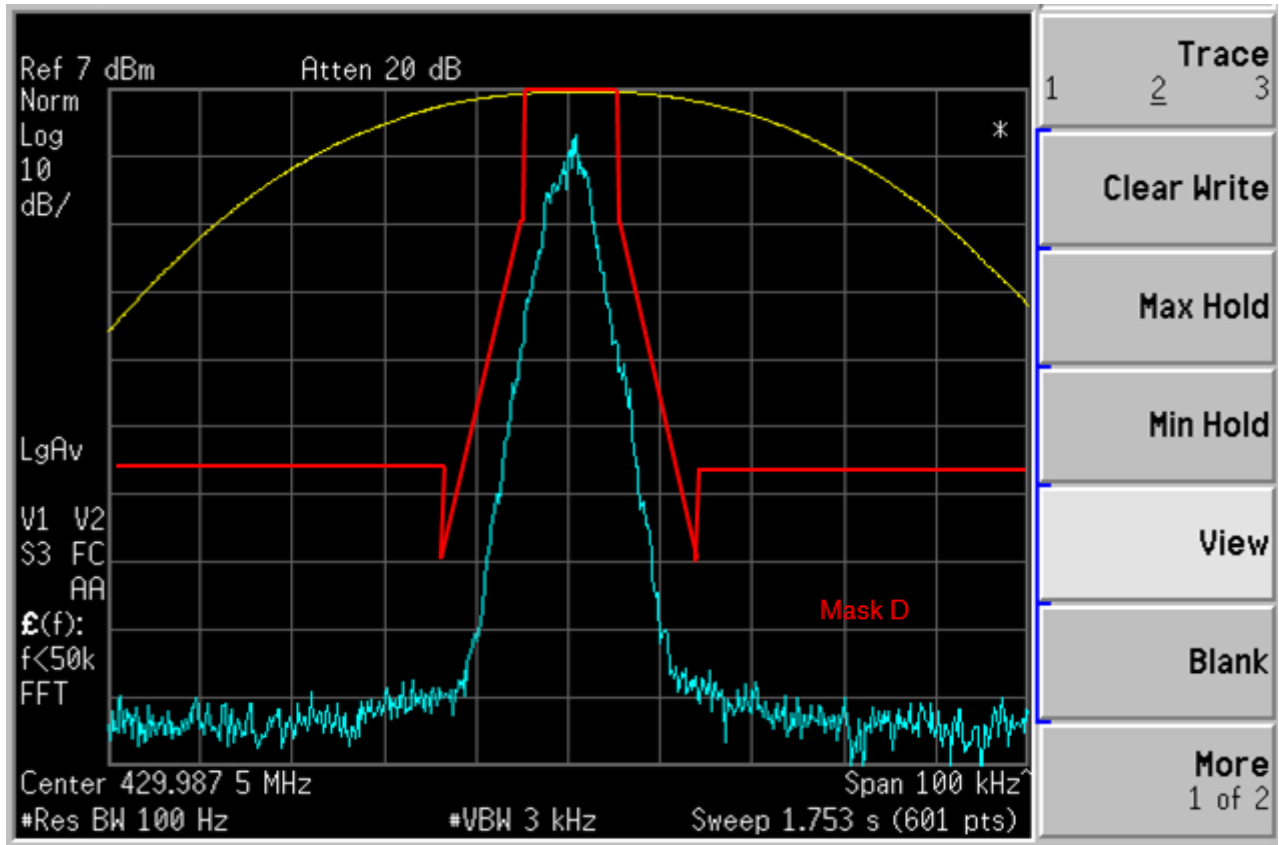
429.9875 MHz, 25 kHz, 2000/3000 Hz FSK Data and PL Tone Modulation, 16K0F3E Mask B (Not FCC review)

Exhibit 6E-18



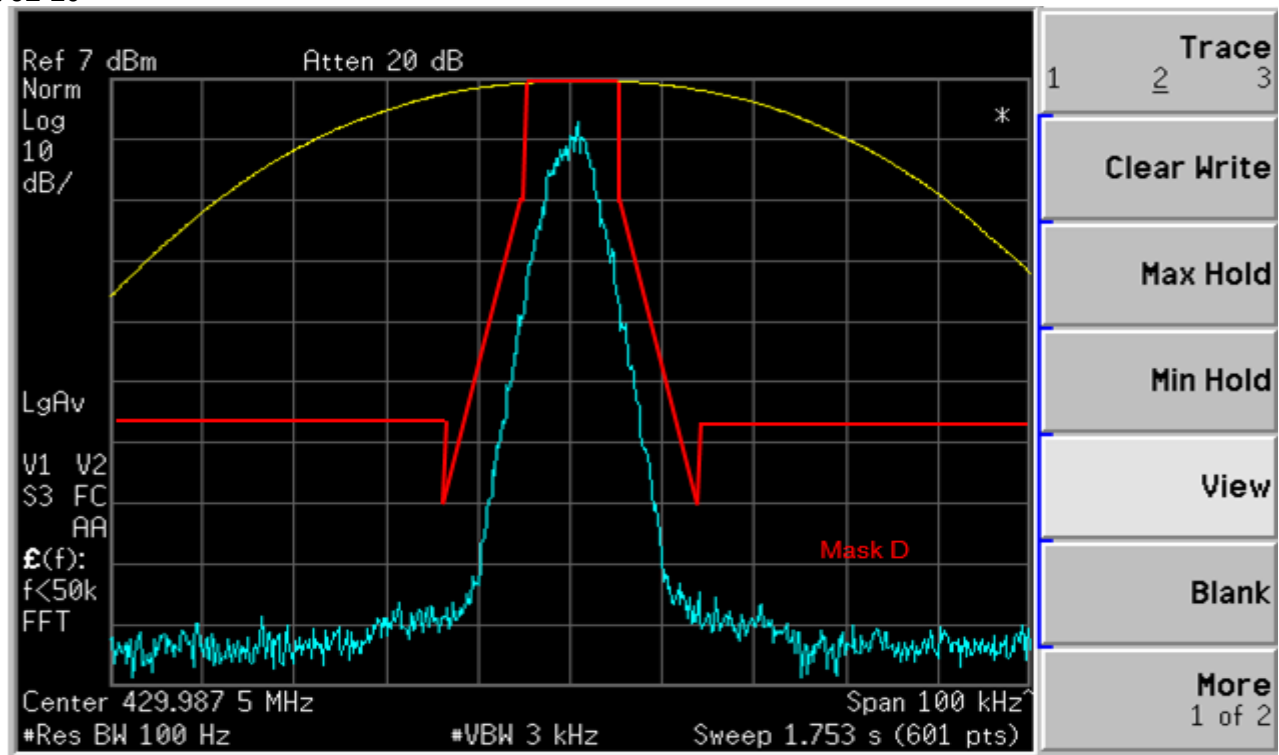
429.9875 MHz, 25 kHz, 2000/3000 Hz FSK Data and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC review)

Exhibit 6E-19



429.9875 MHz, O.153 Test Pattern 4FSK Voice (F2 BER) and Data Modulation, 7K60FXE Mask D

Exhibit 6E-20



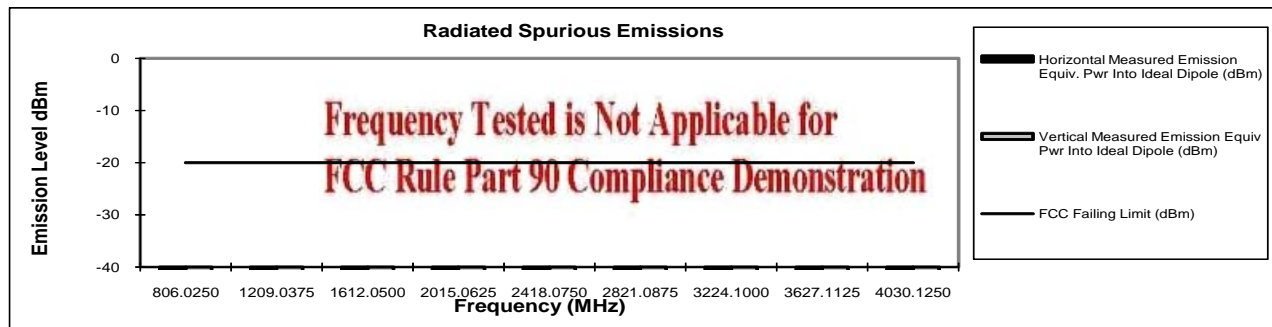
429.9875 MHz, O.153 Test Pattern 4FSK Voice (F2 Silent) and Data Modulation, 7K60FXD Mask D

****NOTE:-**

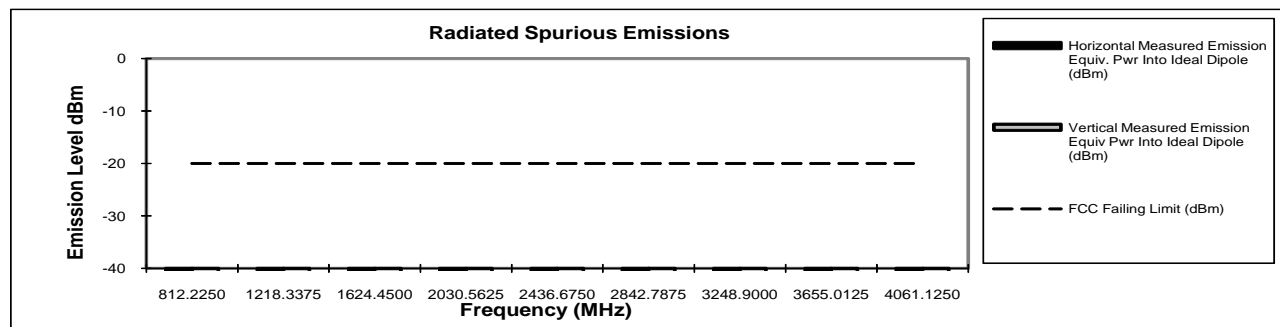
- For 4FSK Digital Modulation, 12.5kHz Data 7K60F1D & 7K60FXD would be the same. Therefore only measurements with 7K60FXD shown above.
- For 4FSK Digital Modulation, 12.5kHz Voice 7K60F1E & 7K60FXE would be the same. Therefore only measurements with 7K60FXE shown above.
- Combinations of 12.5kHz 4FSK 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 - Transmit Radiated Spurious Emissions**Motorola Solutions****FCC ID:ABZ99FT4095 / IC ID: 109AB-99FT4095****Transmit Radiated Spurious Emissions: PMUE4174ABCNAA****Tx Power: 4.8 Watts****403.0125 MHz****Channel Spacing 12.5kHz | S/N 627TNX0274**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
806.0250	-20	*	*
1209.0375	-20	*	*
1612.0500	-20	*	*
2015.0625	-20	*	*
2418.0750	-20	*	*
2821.0875	-20	*	*
3224.1000	-20	*	*
3627.1125	-20	*	*
4030.1250	-20	*	*

**Transmit Radiated Spurious Emissions: PMUE4174ABCNAA****Tx Power: 4.8 Watts****406.1125 MHz****Channel Spacing 12.5kHz | S/N 627TNX0274**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
812.2250	-20	*	*
1218.3375	-20	*	*
1624.4500	-20	*	*
2030.5625	-20	*	*
2436.6750	-20	*	*
2842.7875	-20	*	*
3248.9000	-20	*	*
3655.0125	-20	*	*
4061.1250	-20	*	*



* 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.

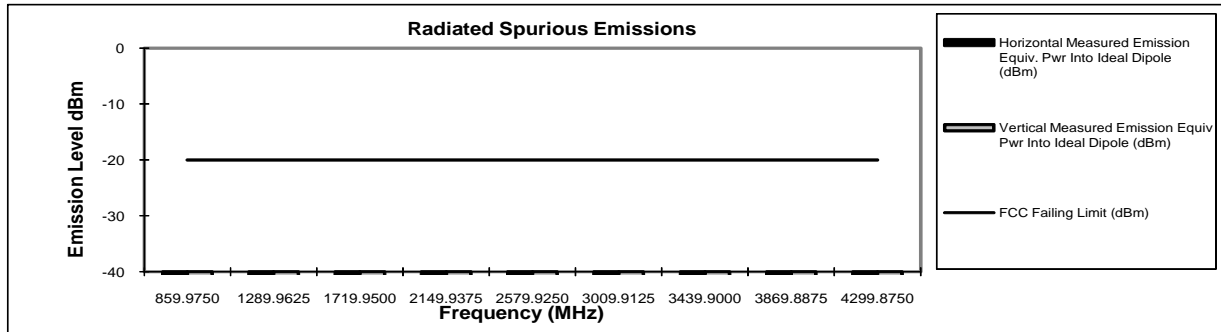
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero**January 18, 2013****FCC Registration: 91932 / Industry Canada: IC109U-1**

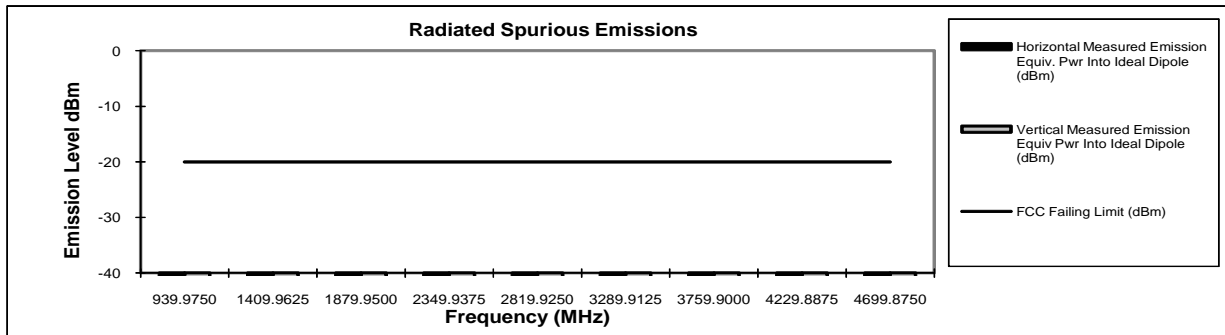
6F1- 403.0125 MHz, 12.5 kHz Channel Spacing, 4.80W (Not for FCC review)
and 406.1125 MHz, 12.5 kHz Channel Spacing, 4.80W

Motorola Solutions**FCC ID:ABZ99FT4095 / IC ID: 109AB-99FT4095****Transmit Radiated Spurious Emissions: PMUE4174ABCNAA****Tx Power: 4.8 Watts****429.9875 MHz****Channel Spacing 12.5kHz | S/N 627TNX0274**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
859.9750	-20	*	*
1289.9625	-20	*	*
1719.9500	-20	*	*
2149.9375	-20	*	*
2579.9250	-20	*	*
3009.9125	-20	*	*
3439.9000	-20	*	*
3869.8875	-20	*	*
4299.8750	-20	*	*

**Transmit Radiated Spurious Emissions: PMUE4174ABCNAA****Tx Power: 4.8 Watts****469.9875 MHz****Channel Spacing 12.5kHz | S/N 627TNX0274**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-20	*	*
1409.9625	-20	*	*
1879.9500	-20	*	*
2349.9375	-20	*	*
2819.9250	-20	*	*
3289.9125	-20	*	*
3759.9000	-20	*	*
4229.8875	-20	*	*
4699.8750	-20	*	*



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

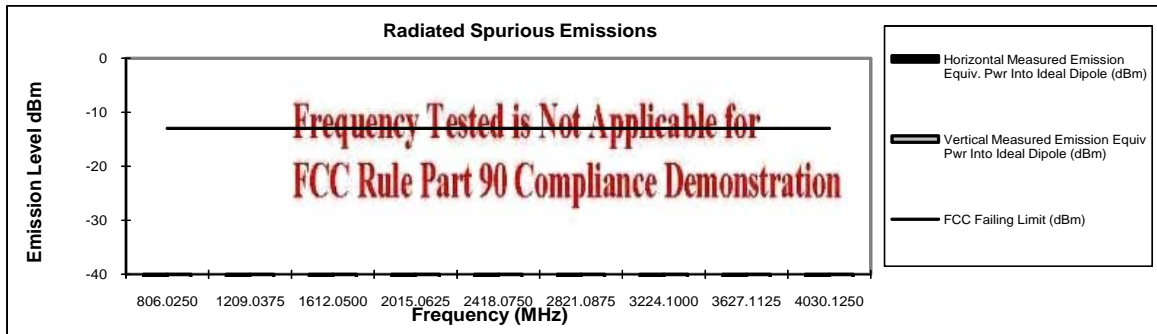
Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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

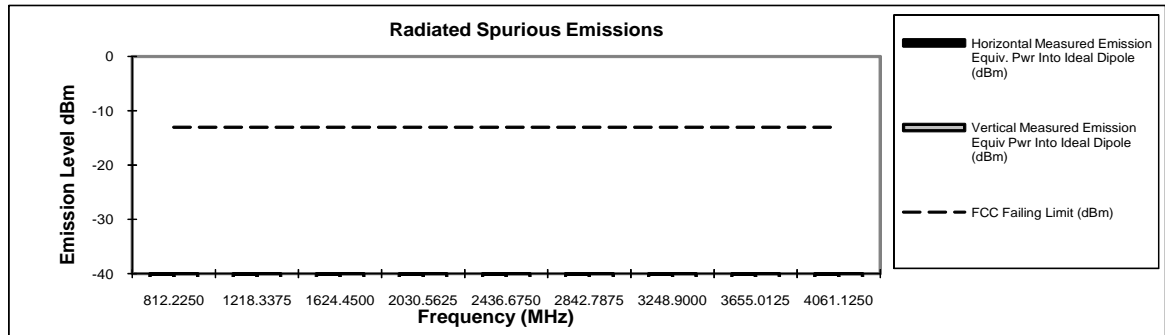
Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero**January 18, 2013****FCC Registration: 91932 / Industry Canada: IC109U-1****6F-2 - 429.9875 MHz, 12.5 kHz Channel Spacing, 4.80W****469.9875 MHz, 12.5 kHz Channel Spacing, 4.80W**

Motorola Solutions**FCC ID:ABZ99FT4095 / IC ID: 109AB-99FT4095****Transmit Radiated Spurious Emissions: PMUE4174ABCNAA****Tx Power: 4.8 Watts****403.0125 MHz****Channel Spacing 25kHz | S/N 627TNX0274**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
806.0250	-13	*	*
1209.0375	-13	*	*
1612.0500	-13	*	*
2015.0625	-13	*	*
2418.0750	-13	*	*
2821.0875	-13	*	*
3224.1000	-13	*	*
3627.1125	-13	*	*
4030.1250	-13	*	*

**Transmit Radiated Spurious Emissions: PMUE4174ABCNAA****Tx Power: 4.8 Watts****406.1125 MHz****Channel Spacing 25kHz | S/N 627TNX0274**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
812.2250	-13	*	*
1218.3375	-13	*	*
1624.4500	-13	*	*
2030.5625	-13	*	*
2436.6750	-13	*	*
2842.7875	-13	*	*
3248.9000	-13	*	*
3655.0125	-13	*	*
4061.1250	-13	*	*



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

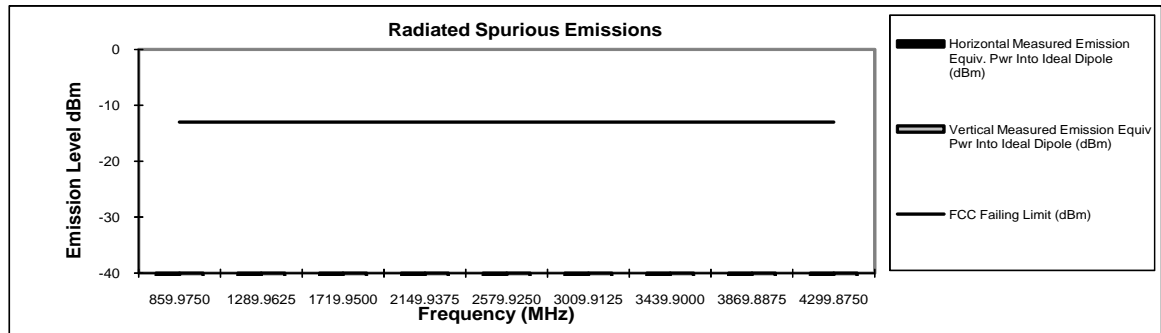
Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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

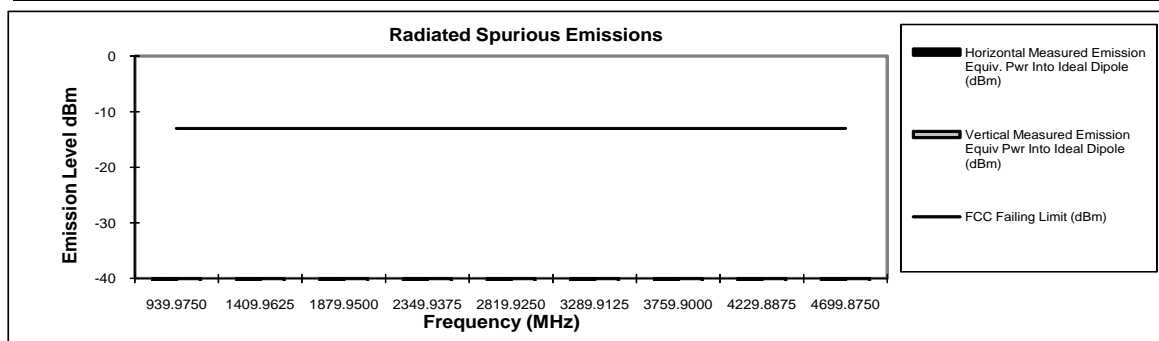
Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero**January 22, 2013****FCC Registration: 91932 / Industry Canada: IC109U-1****6F-3 - 403.0125 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)****406.1125 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC review)**

Motorola Solutions**FCC ID:ABZ99FT4095 / IC ID: 109AB-99FT4095****Transmit Radiated Spurious Emissions: PMUE4174ABCNAA****Tx Power: 4.8 Watts****429.9875 MHz****Channel Spacing 25kHz | S/N 627TNX0274**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
859.9750	-13	*	*
1289.9625	-13	*	*
1719.9500	-13	*	*
2149.9375	-13	*	*
2579.9250	-13	*	*
3009.9125	-13	*	*
3439.9000	-13	*	*
3869.8875	-13	*	*
4299.8750	-13	*	*

**Transmit Radiated Spurious Emissions: PMUE4174ABCNAA****Tx Power: 4.8 Watts****469.9875 MHz****Channel Spacing 25kHz | S/N 627TNX0274**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-13	*	*
1409.9625	-13	*	*
1879.9500	-13	*	*
2349.9375	-13	*	*
2819.9250	-13	*	*
3289.9125	-13	*	*
3759.9000	-13	*	*
4229.8875	-13	*	*
4699.8750	-13	*	*



* 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 22, 2013****FCC Registration: 91932 / Industry Canada: IC109U-1****6F-4 - 429.9875 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC Review)****469.9875 MHz, 25 kHz Channel Spacing, 4.80W (Not for FCC Review)**

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

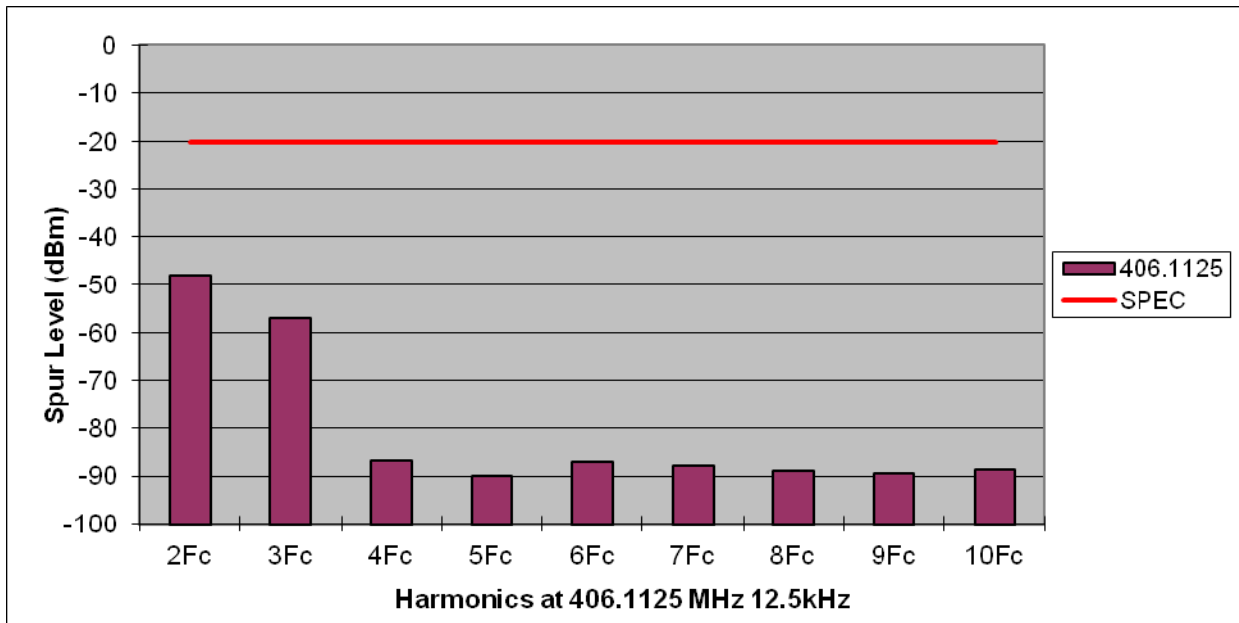
Harmonics at 406.1125 MHz, 12.5 kHz channel spacing at 4.80W

Exhibit 6G-2

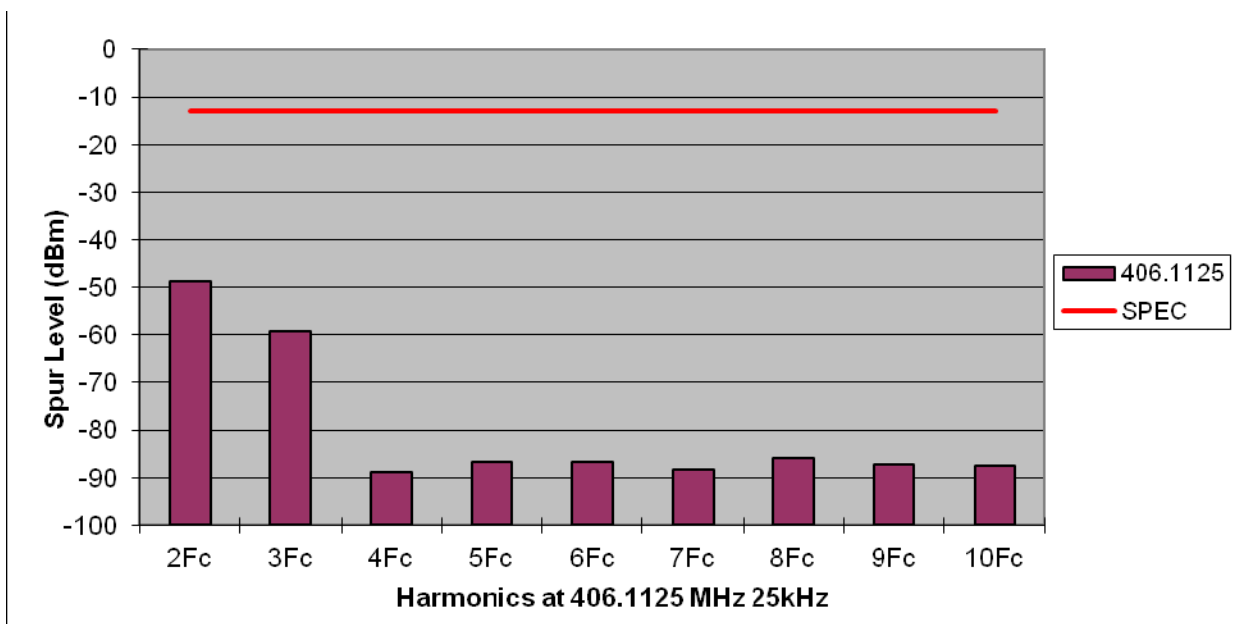
Harmonics at 406.1125 MHz, 25 kHz channel spacing at 4.80W (Not for FCC Review)

Exhibit 6G-3

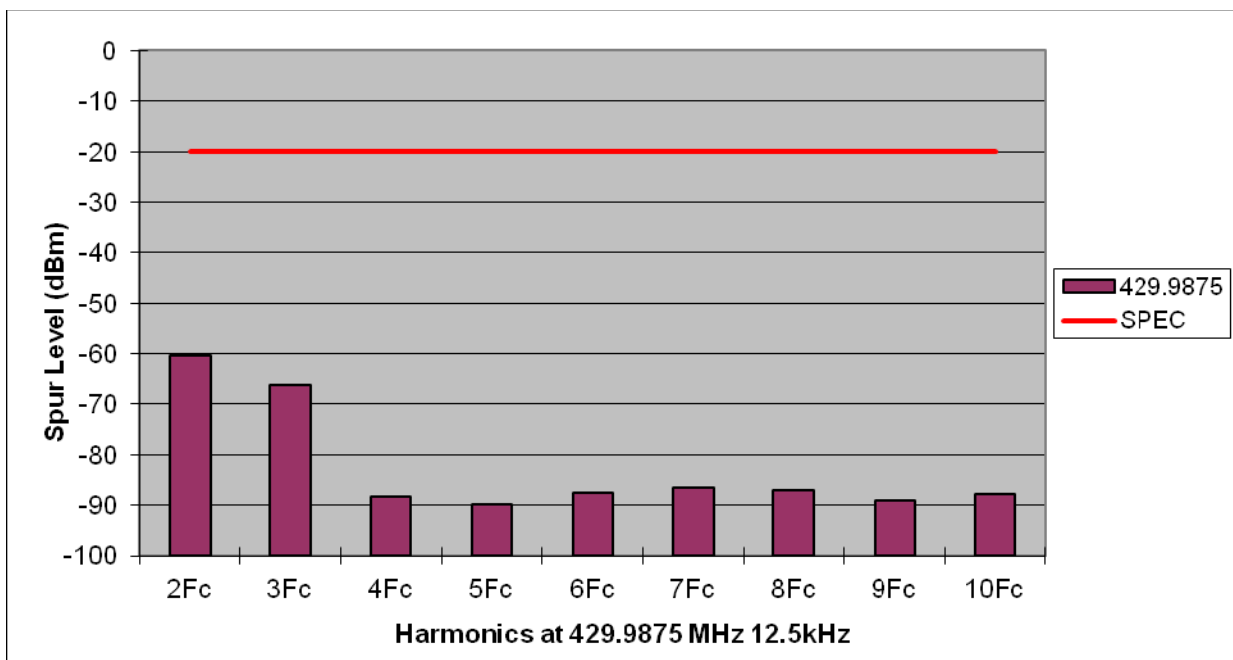
Harmonics at 429.9875 MHz, 12.5 kHz channel spacing at 4.80W

Exhibit 6G-4

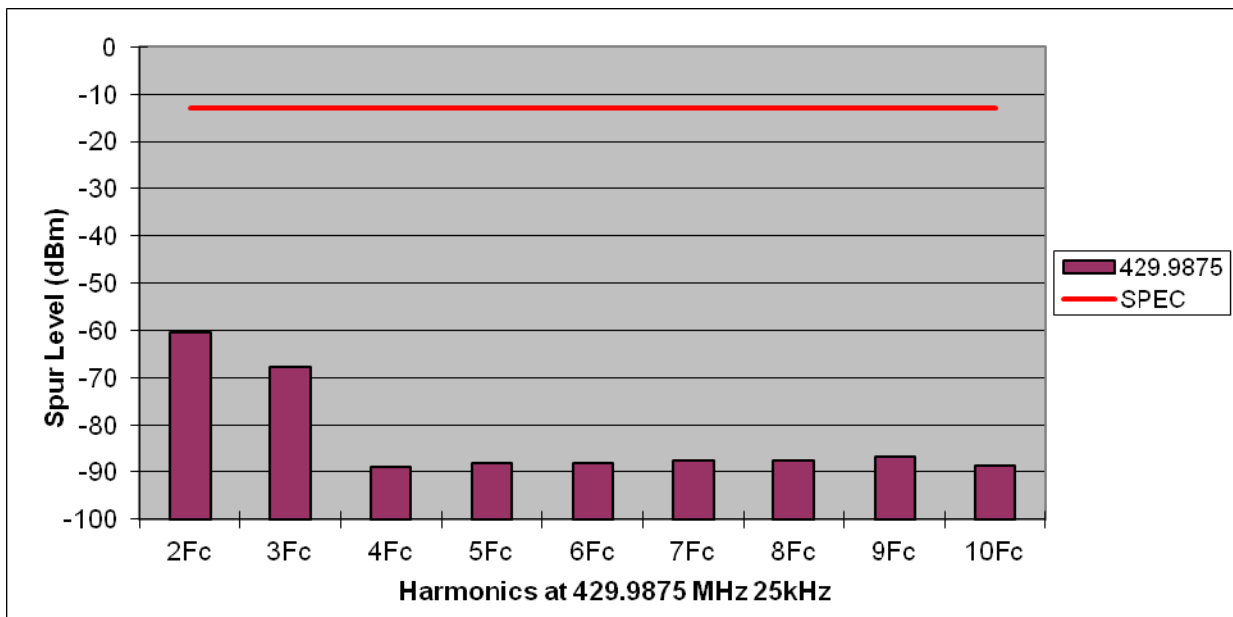
Harmonics at 429.9875 MHz, 25 kHz channel spacing at 4.80W (Not for FCC Review)

Exhibit 6G-5

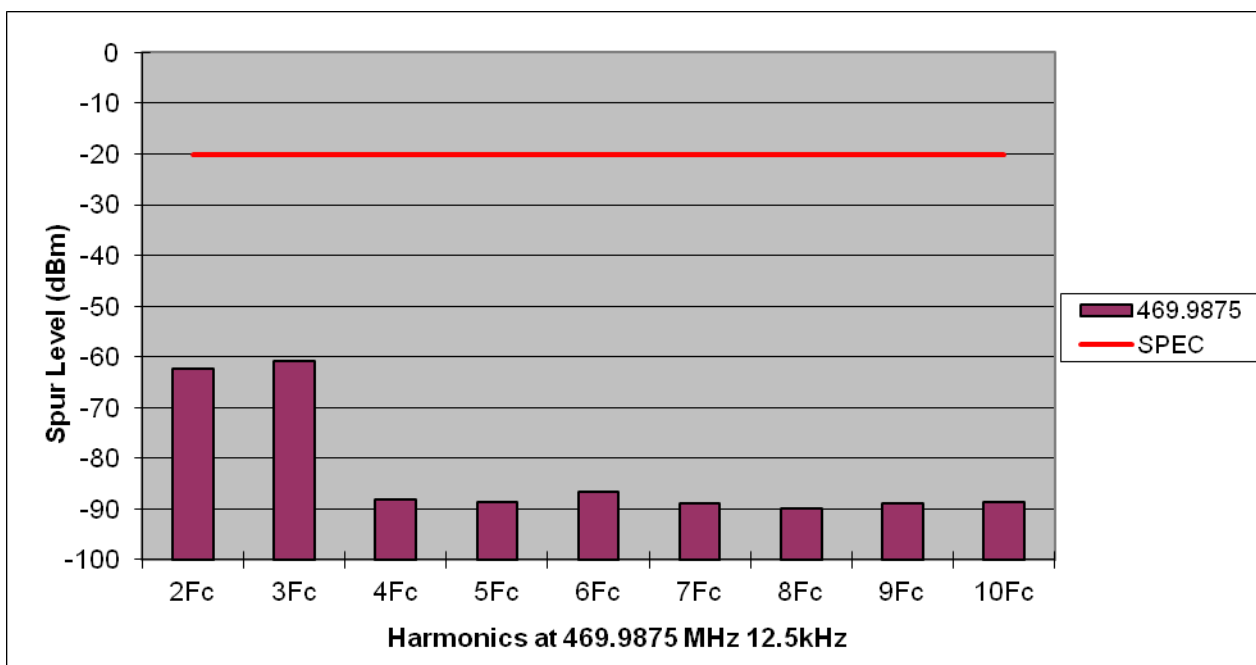
Harmonics at 469.9875 MHz, 12.5 kHz channel spacing at 4.80W

Exhibit 6G-6

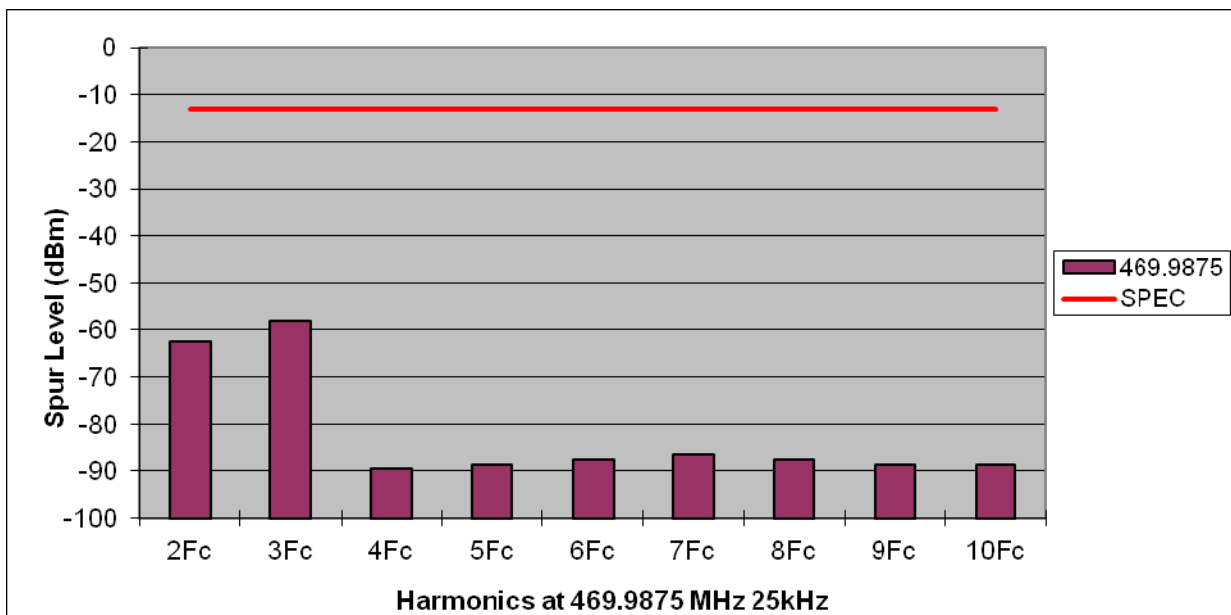
Harmonics at 469.9875 MHz, 25 kHz channel spacing at 4.80W (Not for FCC Review)

Exhibit 6G-7

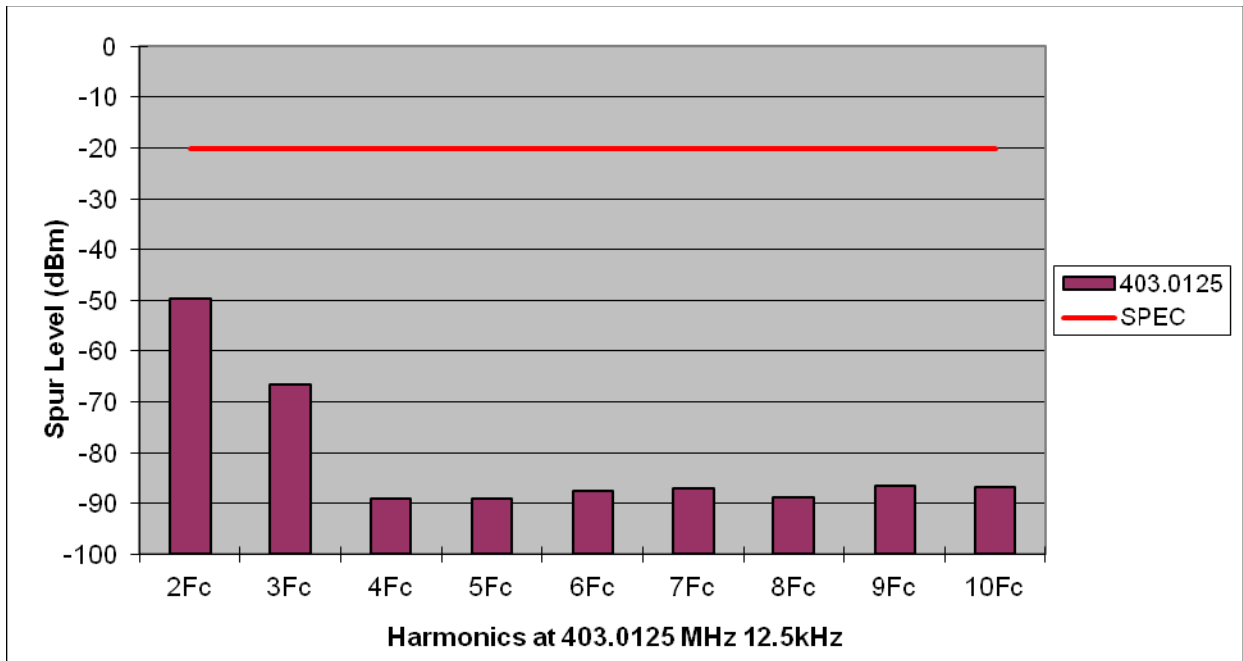
Harmonics at 403.0125 MHz, 12.5 kHz channel spacing at 4.80W (Not for FCC Review)

Exhibit 6G-8

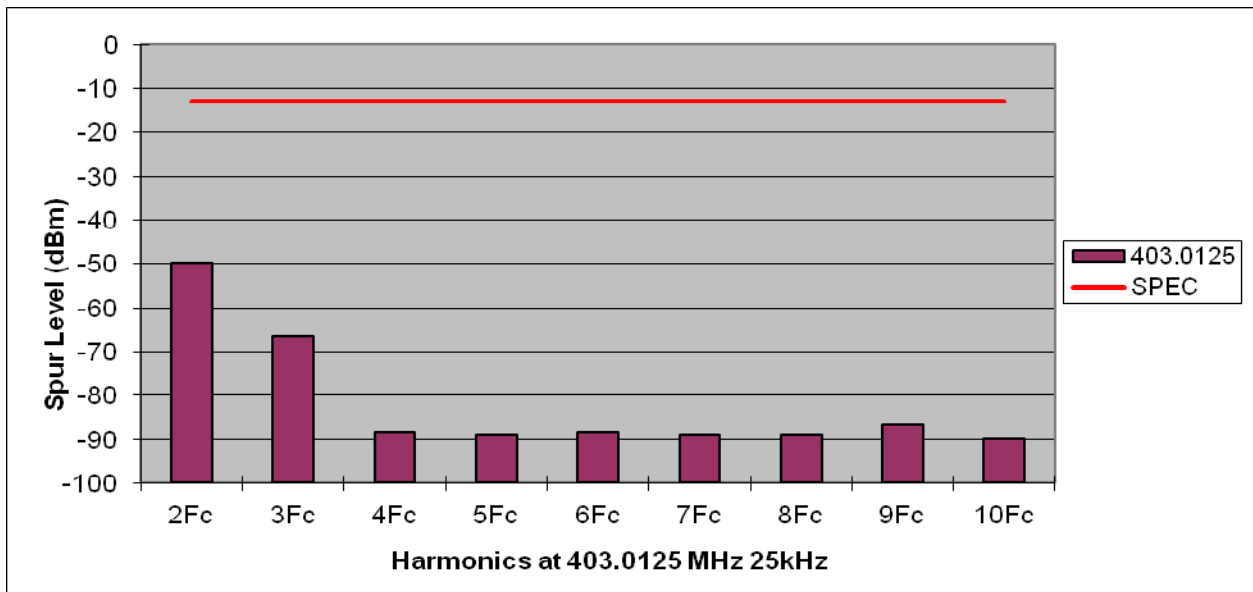
Harmonics at 403.0125 MHz, 25 kHz channel spacing at 4.80W (Not for FCC Review)

Exhibit 6H: Frequency Stability

Exhibit 6H-1

Frequency Stability (429.9875 MHz) vs. Temperature

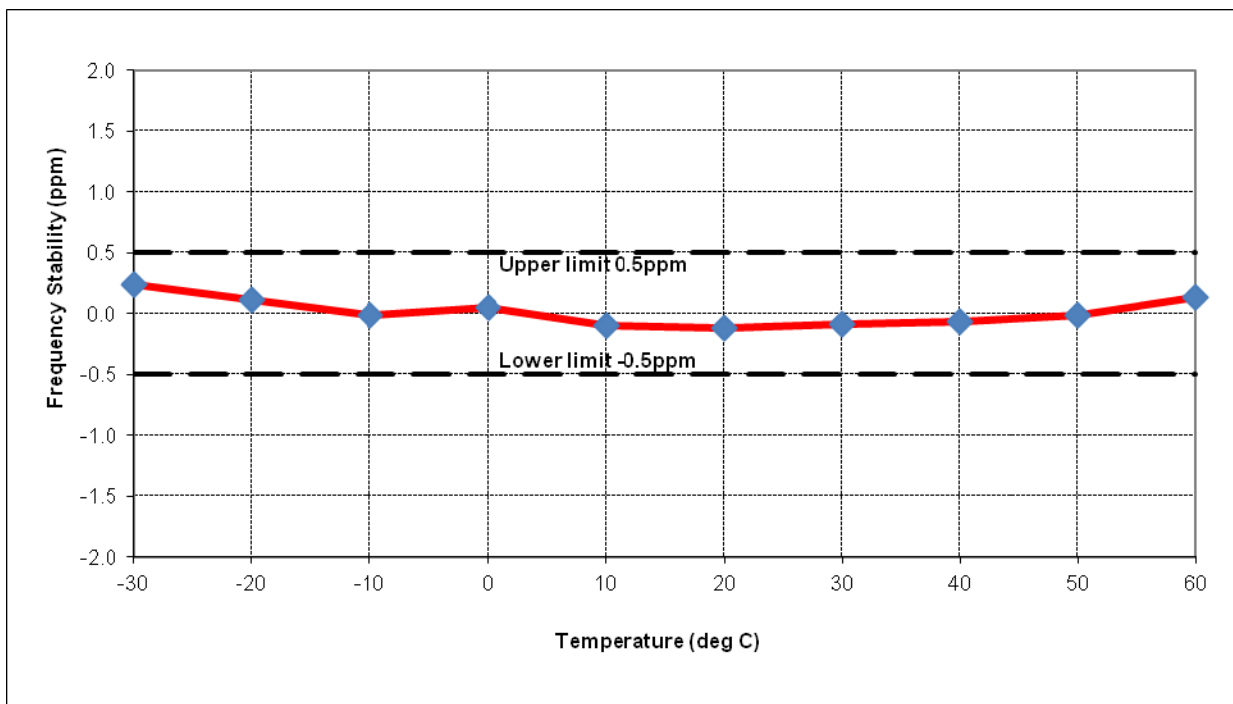


Exhibit 6H-2

Frequency Stability (429.9875 MHz) vs Supply Voltage

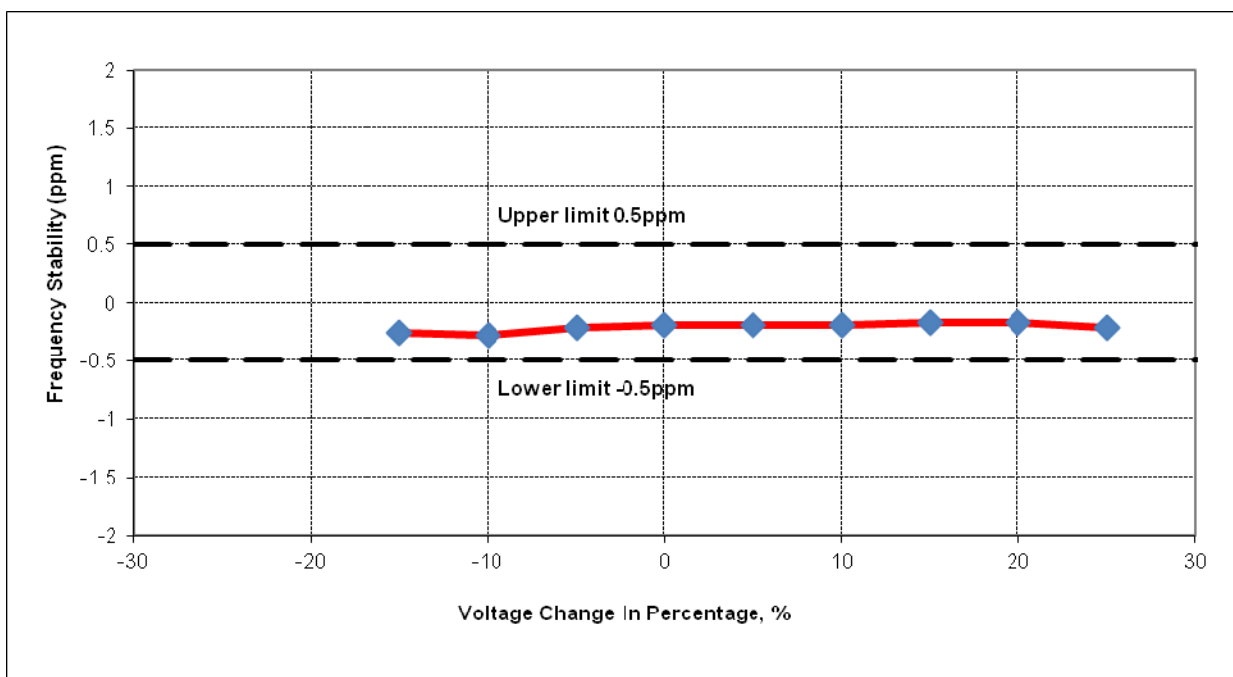
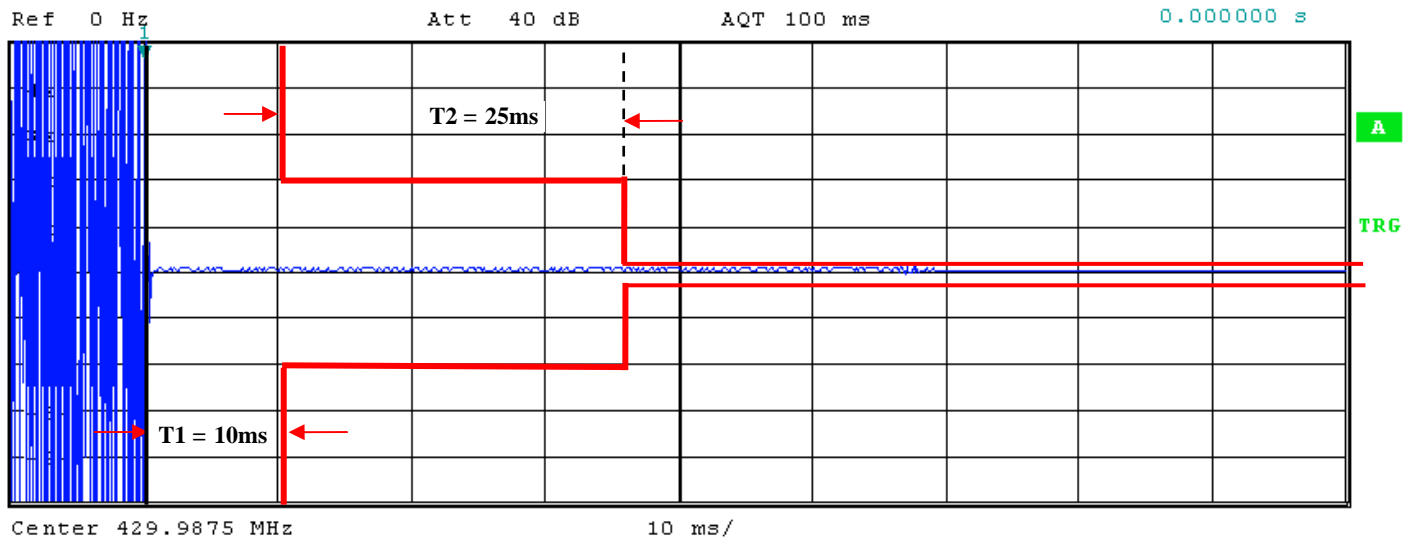


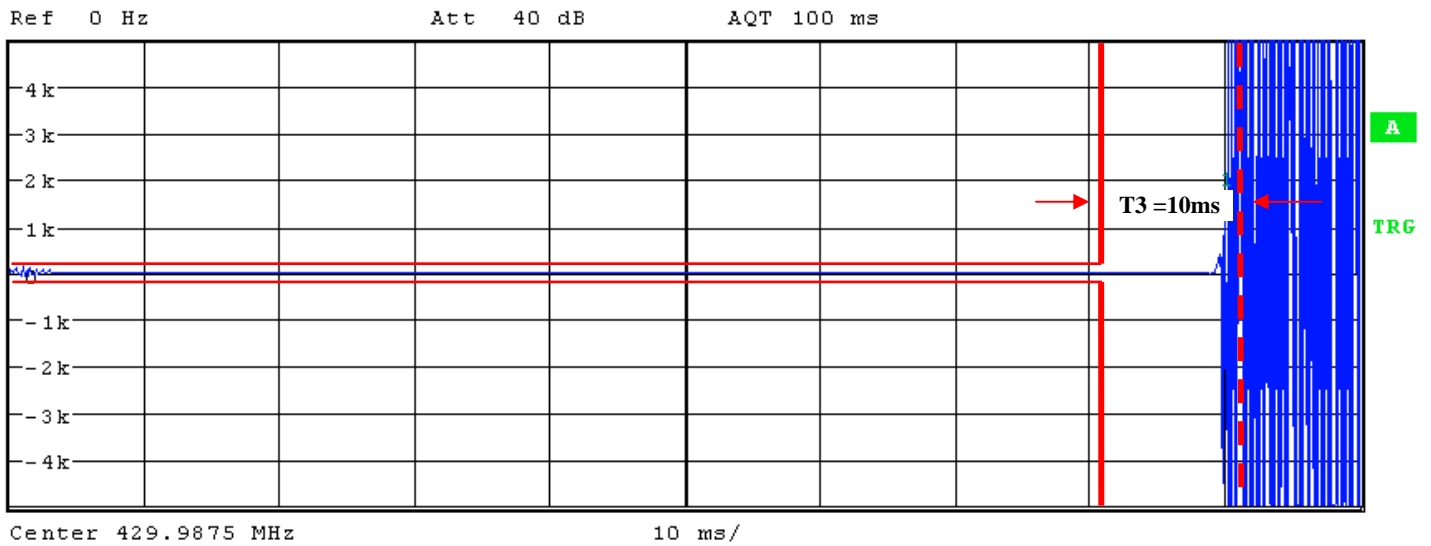
EXHIBIT 6I: Transient Frequency Behavior

Exhibit 6I-1



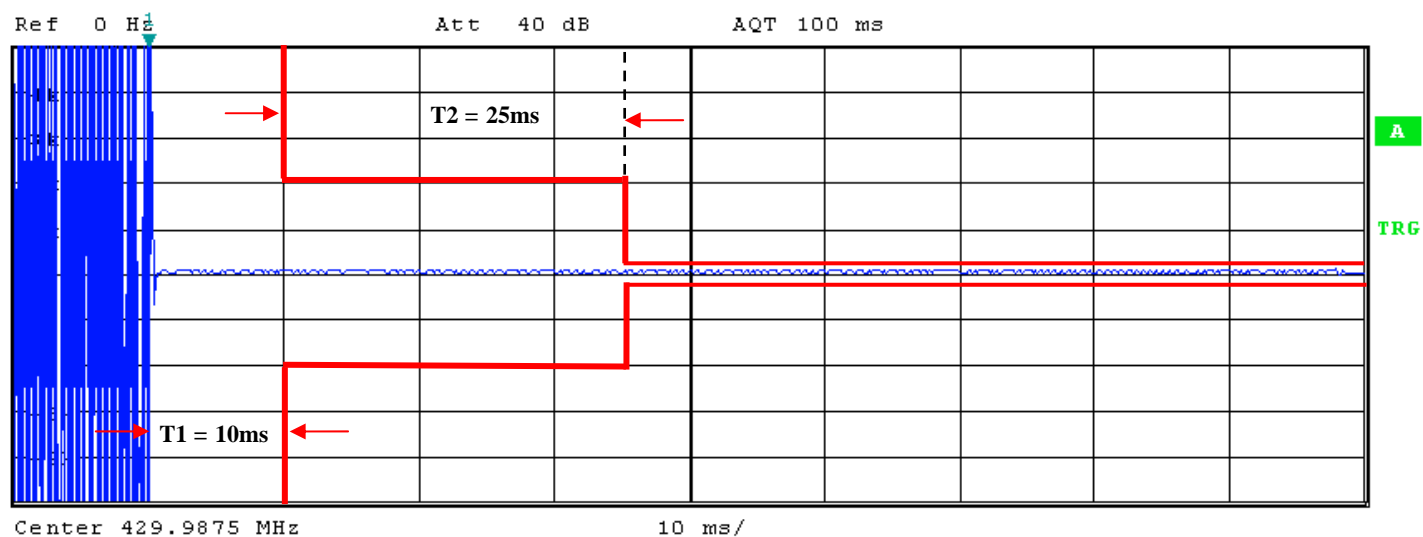
TX 429.9875 MHz – 12.5 kHz Channel Spacing – Transmitter On

Exhibit 6I-2



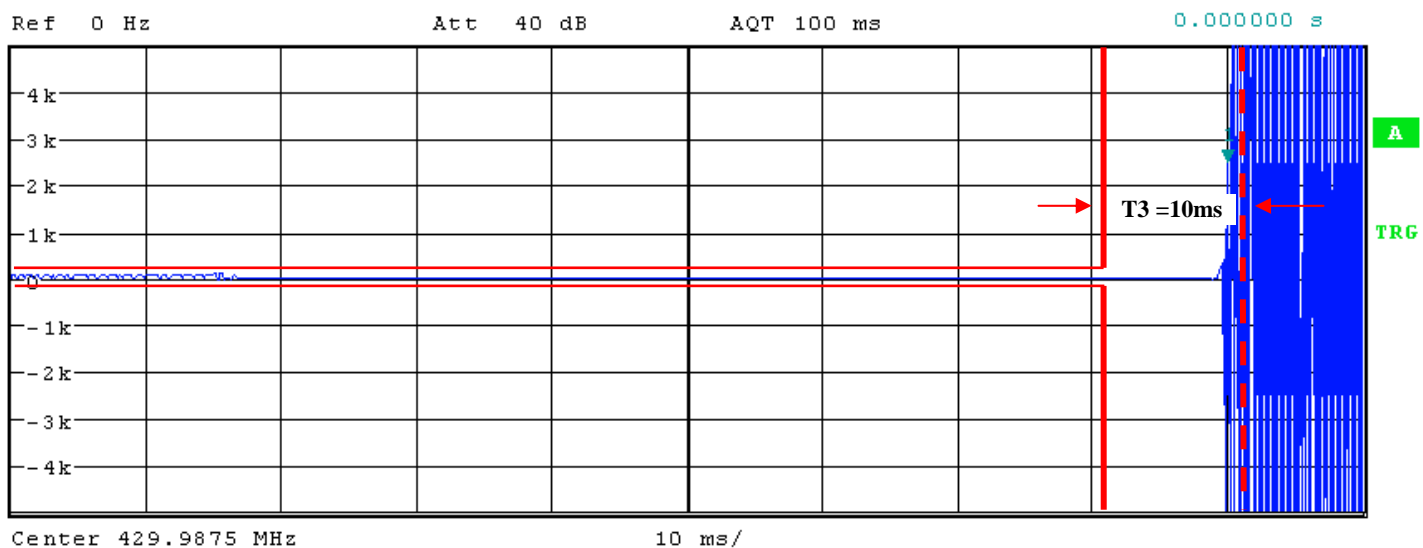
TX 429.9875 MHz – 12.5 kHz Channel Spacing – Transmitter Off

Exhibit 6I-3



TX 429.9875 MHz – 25 kHz Channel Spacing – Transmitter On (Not for FCC Review)

Exhibit 6I-4



TX 429.9875 MHz – 25 kHz Channel Spacing – Transmitter Off (Not for FCC review)