

INDEX OF SUBMITTED MEASURED DATA

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

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

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- 6E-8 – 429.9875 MHz, 12.5 kHz 4-Level FSK Digital Voice, 7K60F1E Mask D
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- 6E-16 – 459.650 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E (Part 22)
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- 6E-18 – 450.025 MHz, 12.5 kHz 4-Level FSK Digital Voice, 7K60F1E Mask D (Part 74)
- 6E-19 – 450.025 MHz, 12.5 kHz 4-Level FSK Digital Data, 7K60F1D Mask D (Part 74)
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EXHIBIT 6F - Conducted Spurious Emissions

- 6F-1 – 48 Watts, 403.0125 MHz, 12.5 kHz Channel Spacing (Not for FCC Review)
- 6F-2 – 48 Watts, 406.1125 MHz, 12.5 kHz Channel Spacing
- 6F-3 – 48 Watts, 429.9875 MHz, 12.5 kHz Channel Spacing
- 6F-4 – 48 Watts, 450.0250 MHz, 12.5 kHz Channel Spacing (Part 74)
- 6F-5 – 48 Watts, 469.9875 MHz, 12.5 kHz Channel Spacing
- 6F-6 – 48 Watts, 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC Review)
- 6F-7 – 48 Watts, 406.1125 MHz, 25 kHz Channel Spacing (Not for FCC Review)
- 6F-8 – 48 Watts, 429.9875 MHz, 25 kHz Channel Spacing (Not for FCC Review)
- 6F-9 – 48 Watts, 450.0250 MHz, 25 kHz Channel Spacing (Part 74)
- 6F-10 – 48 Watts, 459.6500 MHz, 25 kHz Channel Spacing (Part 22)
- 6F-11 – 48 Watts, 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC Review)

EXHIBIT 6G – Radiated Spurious Emissions

- 6G-1 – 48 Watts, 403.0125 MHz, 12.5 kHz Channel Spacing (Not for FCC Review)
- 6G-2 – 48 Watts, 406.1125 MHz, 12.5 kHz Channel Spacing
- 6G-3 – 48 Watts, 429.9875 MHz, 12.5 kHz Channel Spacing
- 6G-4 – 48 Watts, 469.9875 MHz, 12.5 kHz Channel Spacing

6G-5 – 48 Watts, 450.025 MHz, 12.5 kHz Channel Spacing (Part 74)
6G-6 – 25 Watts, 403.0125 MHz, 12.5 kHz Channel Spacing (Not for FCC Review)
6G-7 – 25 Watts, 406.1125 MHz, 12.5 kHz Channel Spacing
6G-8 – 25 Watts, 429.9875 MHz, 12.5 kHz Channel Spacing
6G-9 – 25 Watts, 469.9875 MHz, 12.5 kHz Channel Spacing
6G-10 – 25 Watts, 450.025 MHz, 12.5 kHz Channel Spacing (Part 74)
6G-11 – 48 Watts, 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC Review)
6G-12 – 48 Watts, 406.1125 MHz, 25 kHz Channel Spacing (Not for FCC Review)
6G-13 – 48 Watts, 429.9875 MHz, 25 kHz Channel Spacing (Not for FCC Review)
6G-14 – 48 Watts, 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC Review)
6G-15 – 48 Watts, 450.025 MHz, 25 kHz Channel Spacing (Part 74)
6G-16 – 48 Watts, 459.650 MHz, 25 kHz Channel Spacing (Part 22)
6G-17 – 25 Watts, 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC Review)
6G-18 – 25 Watts, 406.1125 MHz, 25 kHz Channel Spacing (Not for FCC Review)
6G-19 – 25 Watts, 429.9875 MHz, 25 kHz Channel Spacing (Not for FCC Review)
6G-20 – 25 Watts, 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC Review)
6G-21 – 25 Watts, 450.025 MHz, 25 kHz Channel Spacing (Part 74)
6G-22 – 25 Watts, 459.650 MHz, 25 kHz Channel Spacing (Part 22)

EXHIBIT 6H – Frequency Stability

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

EXHIBIT 6I – Transient Frequency Behavior

6I-1 – 48 Watts, 12.5 kHz Channel Spacing Key-Up Attack Time
6I-2 – 48 Watts, 12.5 kHz Channel Spacing De-Key Decay Time
6I-3 – 48 Watts, 25 kHz Channel Spacing Key-Up Attack Time (Not for FCC Review)
6I-4 – 48 Watts, 25 kHz Channel Spacing De-Key Decay Time (Not for FCC Review)

EXHIBIT 6L – Transmit Power Line Conducted Emissions Spurious

6L-1 – EMI Conducted Scan Tx at 403.0125MHz
6L-2 – EMI Conducted Scan Tx at 406.115MHz
6L-3 – EMI Conducted Scan Tx at 429.9875MHz
6L-4 – EMI Conducted Scan Tx at 469.9875MHz
6L-5 – EMI Conducted Scan Radio Off

**** 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 April 2013. See Table 2 in Ex07_test_procedures**

Radio model tested: AAM02QPH9JA1AN

Important Note: The data in this test report meets or exceeds the technical requirements of FCC Rule Parts 22, 74 and 90.

EXHIBIT 6A – RF POWER OUTPUT**HIGH POWER SETTING, FREQUENCY 406.1125 MHz**

Measured RF Output Power:	47.5 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	8.15 Amperes

LOW POWER SETTING, FREQUENCY 406.1125 MHz

Measured RF Output Power:	25.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	6.04 Amperes

HIGH POWER SETTING, FREQUENCY 429.9875 MHz

Measured RF Output Power:	47.5 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	7.50 Amperes

LOW POWER SETTING, FREQUENCY 429.9875 MHz

Measured RF Output Power:	25.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	5.09 Amperes

HIGH POWER SETTING, FREQUENCY 450.025 MHz (Part 74)

Measured RF Output Power:	47.8 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	7.80 Amperes

LOW POWER SETTING, FREQUENCY 450.025 MHz (Part 74)

Measured RF Output Power:	25.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	5.60 Amperes

HIGH POWER SETTING, FREQUENCY 459.65 MHz (Part 22)

Measured RF Output Power:	48.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	8.10 Amperes

LOW POWER SETTING, FREQUENCY 459.65 MHz (Part 22)

Measured RF Output Power:	25.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	5.85 Amperes

HIGH POWER SETTING, FREQUENCY 469.9875 MHz

Measured RF Output Power:	48.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	8.90 Amperes

LOW POWER SETTING, FREQUENCY 469.9875 MHz

Measured RF Output Power:	25.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	6.45 Amperes

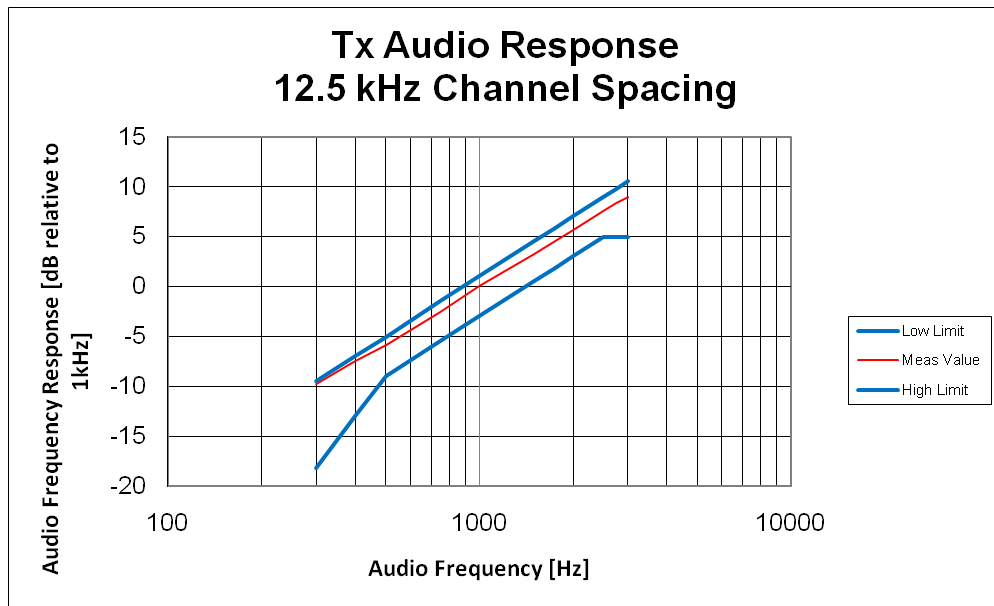
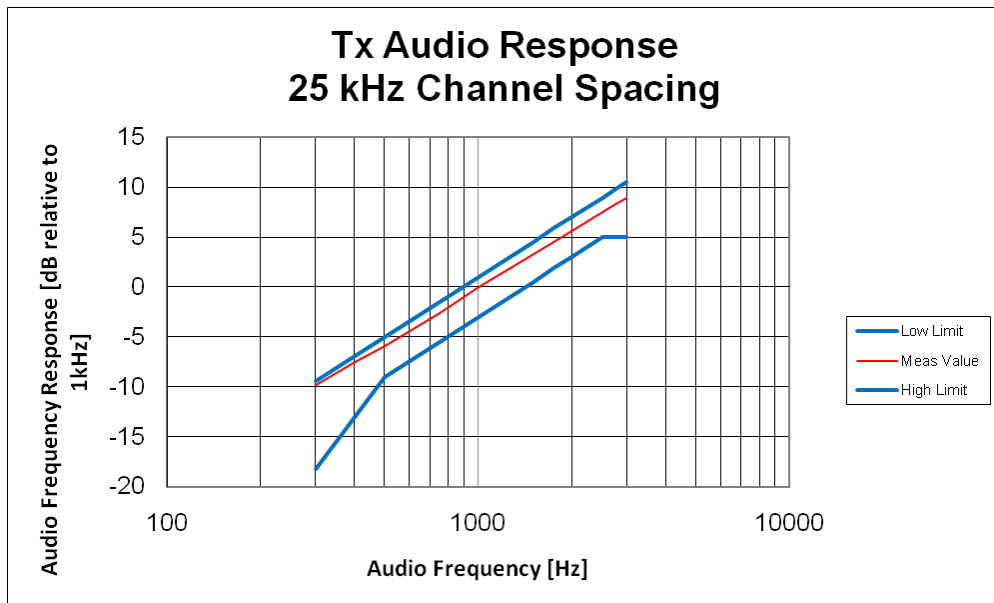
EXHIBIT 6B – Transmit Audio Response**Figure 6B-1:** 429.9875 MHz, 12.5 kHz Channel Spacing, Transmit Audio Frequency Response**Figure 6B-2:** 429.9875 MHz, 25 kHz Channel Spacing, Transmit Audio Frequency Response
(Not for FCC Review)

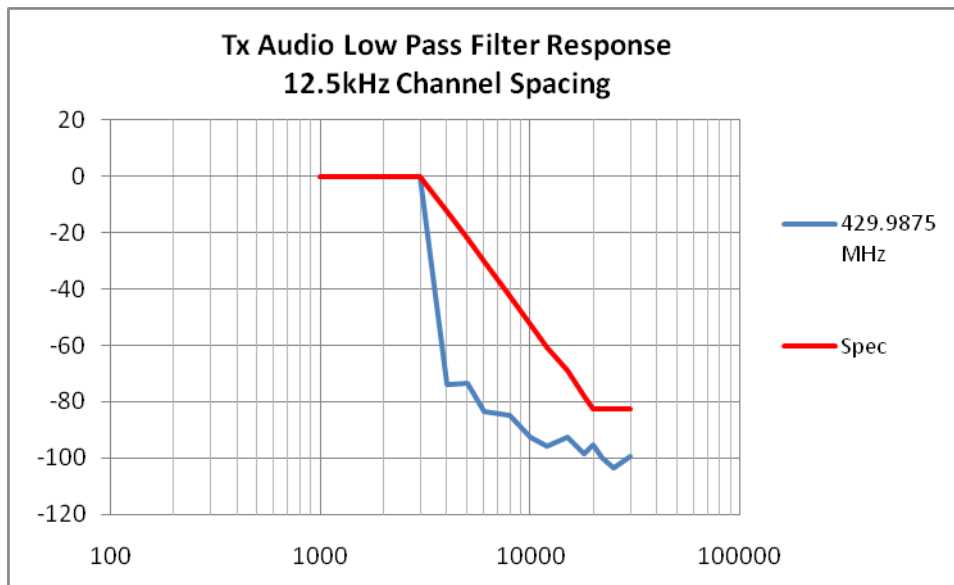
EXHIBIT 6C – Transmit Audio Low Pass Filter Response

Figure 6C-1: 429.9875 MHz, 12.5 kHz Channel Spacing, Transmit Audio Low Pass Filter Response

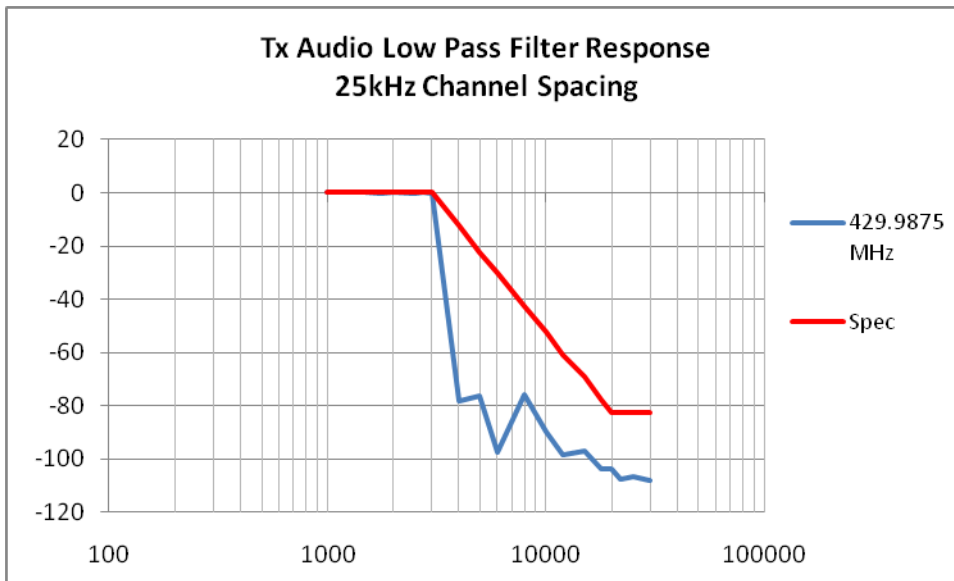


Figure 6C-2: 429.9875 MHz, 25 kHz Channel Spacing, Transmit Audio Low Pass Filter Response (Not for FCC Review)

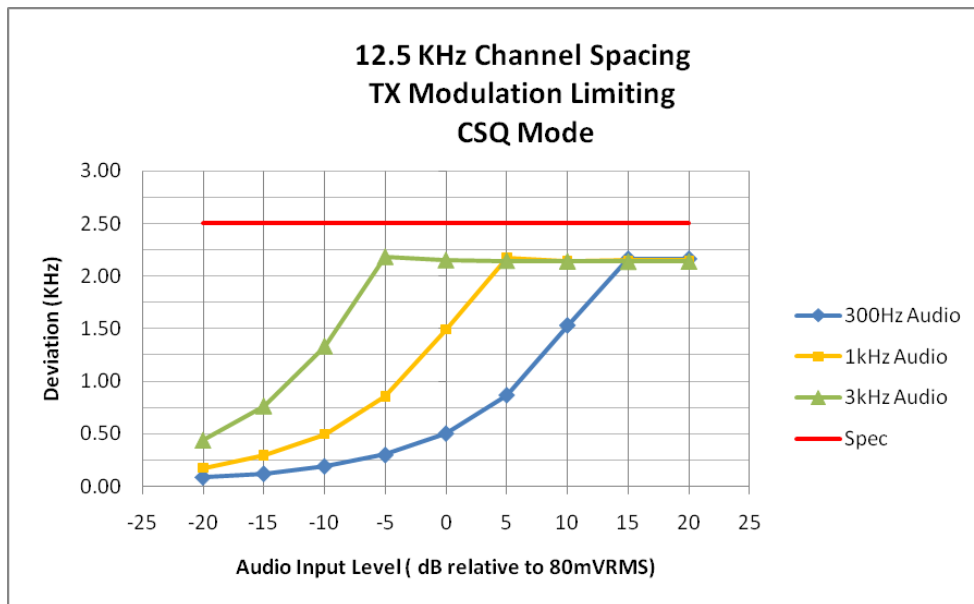
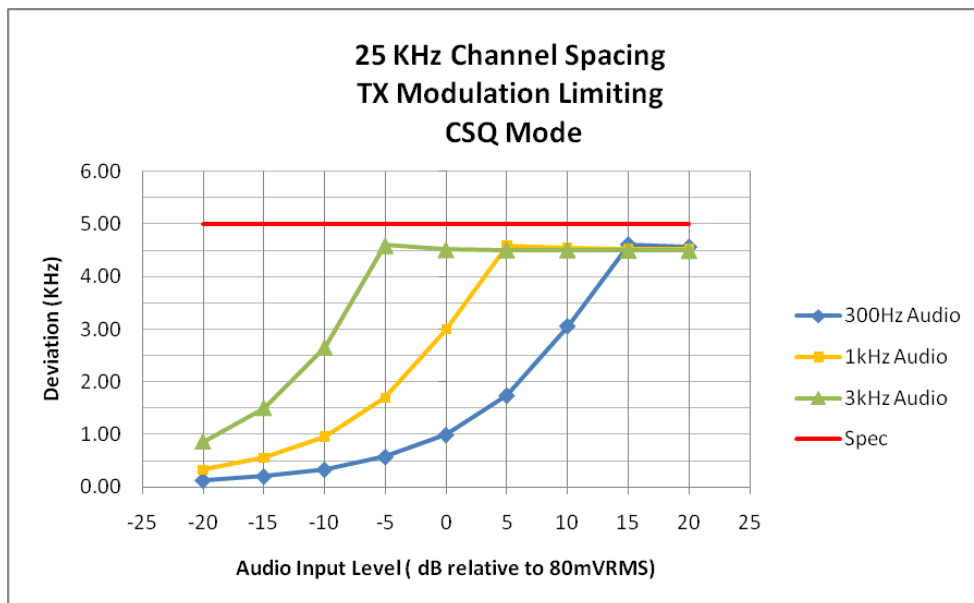
EXHIBIT 6D – Modulation Limiting Characteristic**Figure 6D-1:** 429.9875 MHz, 12.5 kHz Channel Spacing, Modulation Limiting**Figure 6D-2:** 429.9875 MHz, 25 kHz Channel Spacing, Modulation Limiting
(Not for FCC Review)

EXHIBIT 6E – Occupied Bandwidth and Modulation Techniques

The transmitter is capable of the following types of modulation:

- i) Modulation of PL (Private Line) – Direct FM tone modulation of 67 Hz to 250.3 Hz at 15% of full system deviation. Also referred to as TPL (Tone Private Line).
- ii) Modulation of DPL (Digital Private Line) – Direct FM modulation at 134 bps at 15% of full system deviation.
- iii) Modulation of 2000/3000 Hz FSK Data – FM modulation at nominally 60% of full system deviation.
- iv) Modulation of DTMF (Dual Tone Multi Frequency) – FM modulation at nominally 60% of full system deviation
- v) Modulation of 9600 bps 4 level FSK Data

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

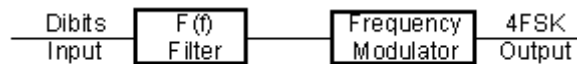
$|F(f)| = 1$ for $|f| \leq 1920$ Hz

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

$|F(f)| = 0$ 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 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
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 TDMA)

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 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
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**.

OCCUPIED BANDWIDTH MEASUREMENT

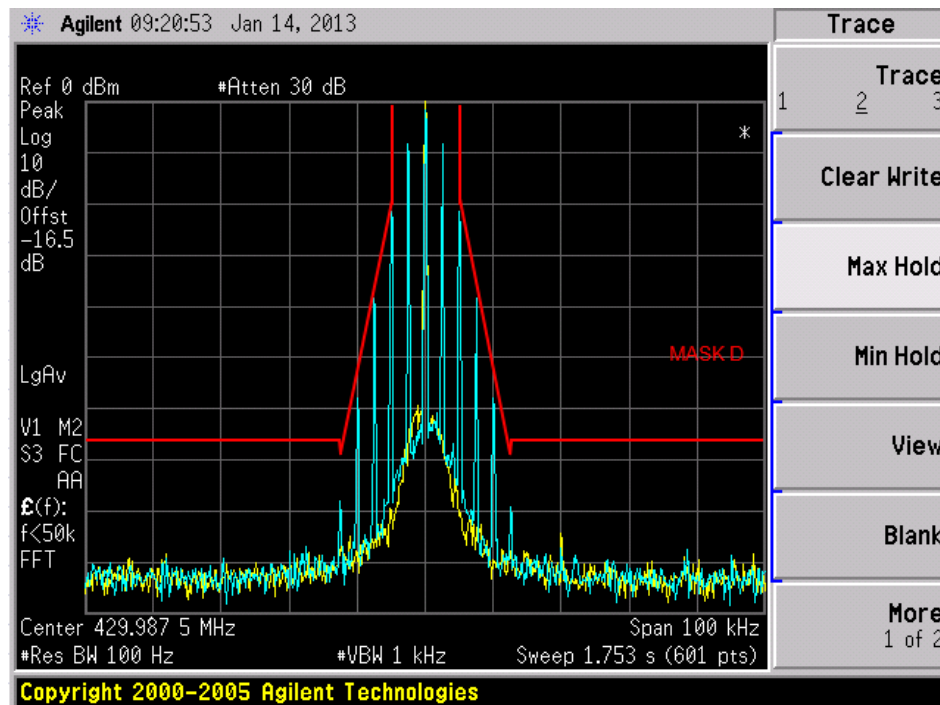


Figure 6E-1: 429.9875 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D

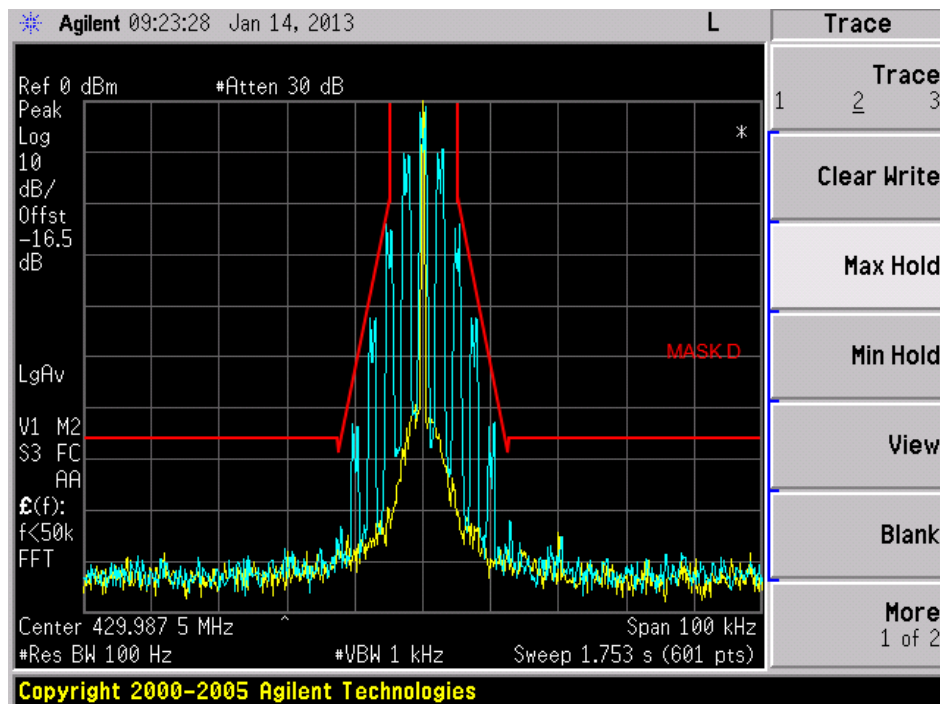


Figure 6E-2: 429.9875 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio and DPL Tone Modulation, 11K0F3E Mask D

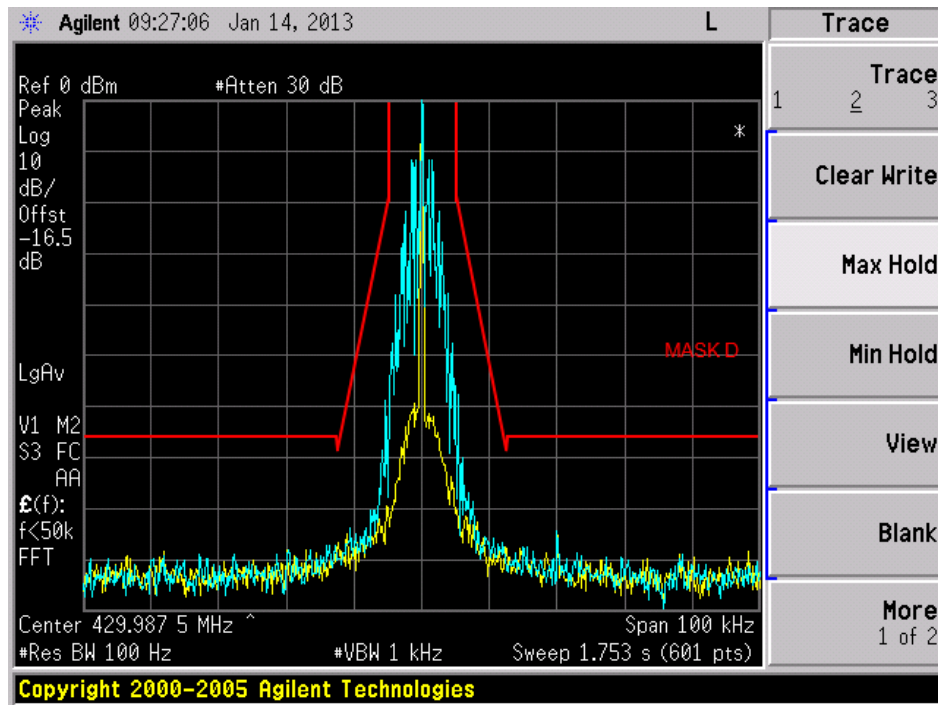


Figure 6E-3: 429.9875 MHz, 12.5 kHz Channel Spacing, DTMF Modulation only, 11K0F3E Mask D

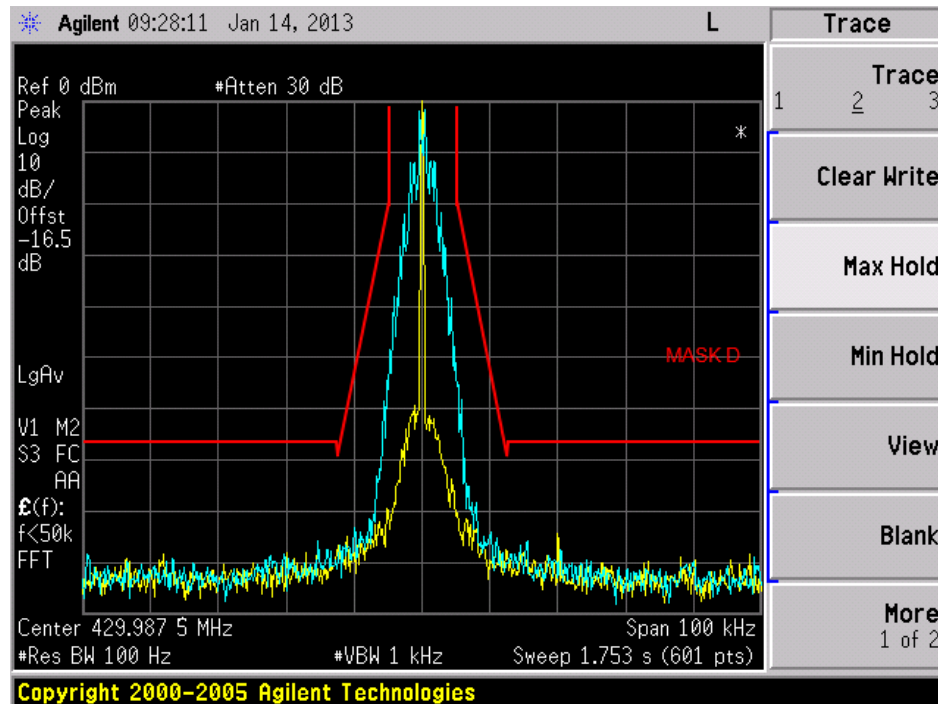


Figure 6E-4: 429.9875 MHz, 12.5 kHz Channel Spacing, DTMF and DPL Tone Modulation, 11K0F3E Mask D

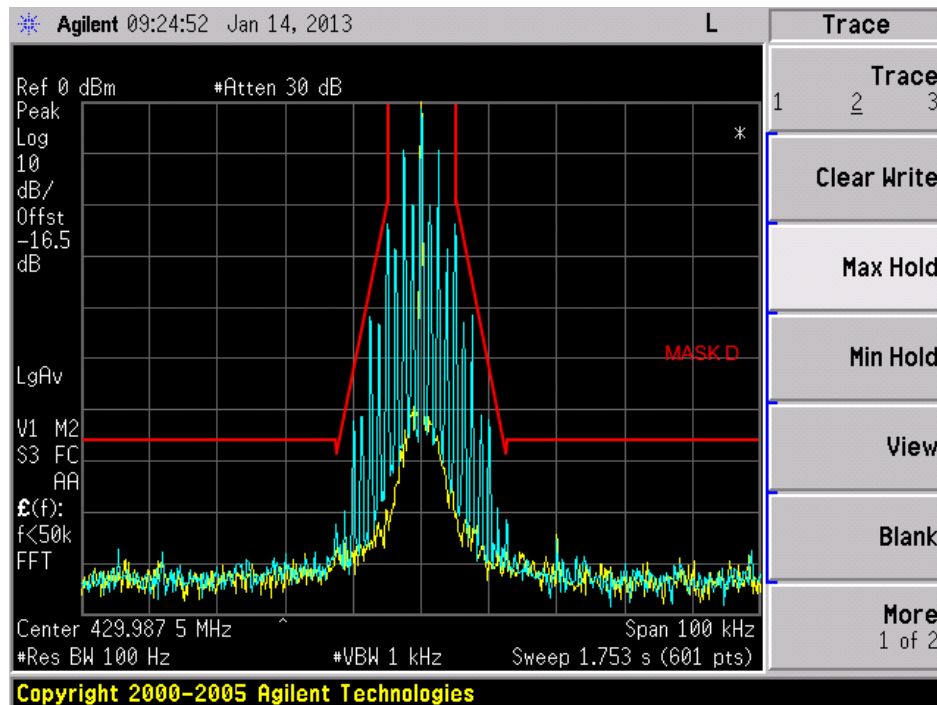


Figure 6E-5: 429.9875 MHz, 12.5 kHz Channel Spacing, 2000/3000 Hz FSK Data Modulation Only, 11K0F3E Mask D

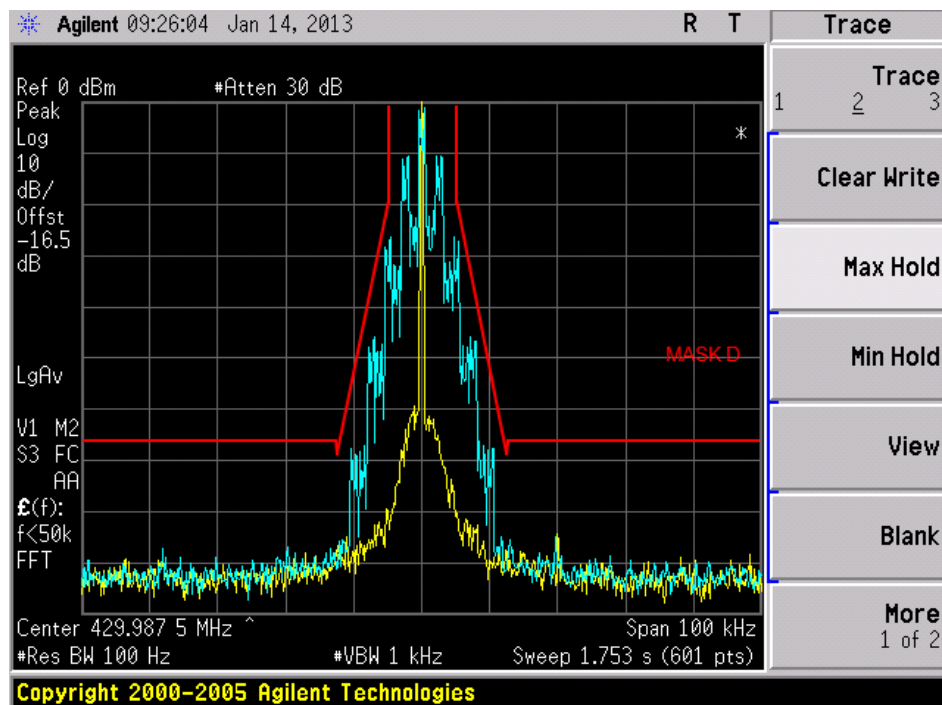


Figure 6E-6: 429.9875 MHz, 12.5 kHz Channel Spacing, 2000/3000 Hz FSK Data and DPL Tone Modulation, 11K0F3E Mask D

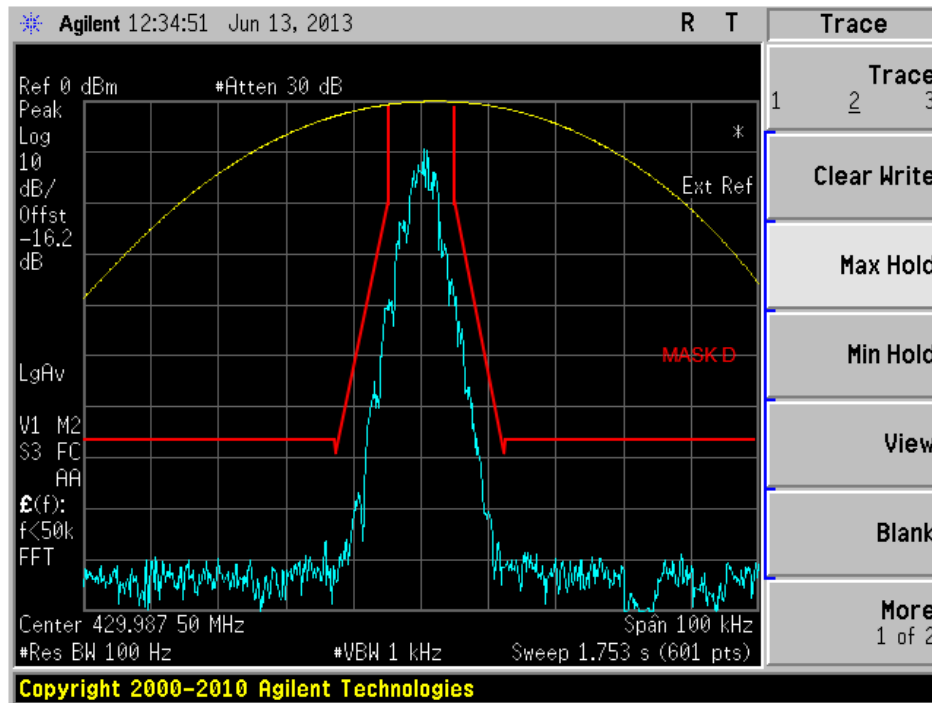


Figure 6E-7: 429.9875 MHz, 4-Level FSK Data Modulation only,
7K60F1D Mask D

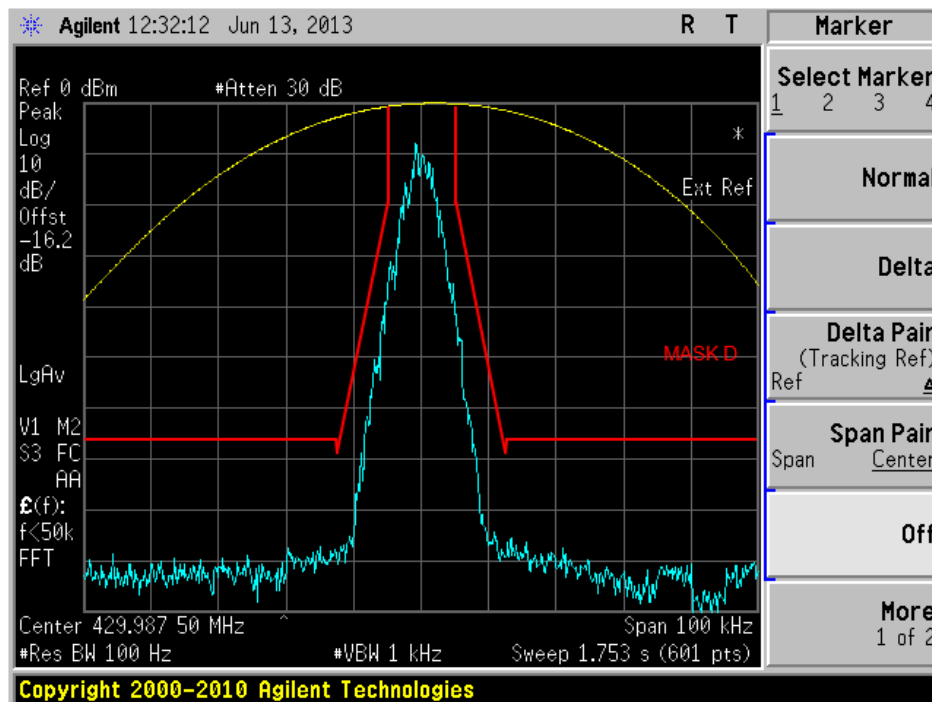


Figure 6E-8: 429.9875 MHz, 4-Level FSK Voice Modulation only,
7K60F1E Mask D

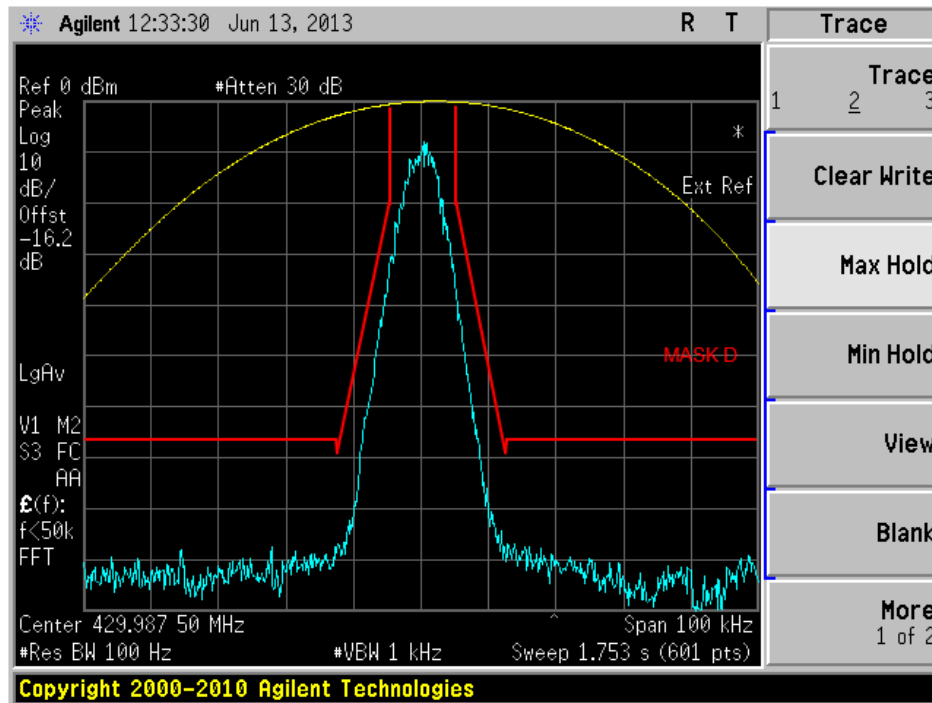


Figure 6E-9: 429.9875 MHz, 4-Level FSK Voice and Data Modulation,
7K60F1W Mask D

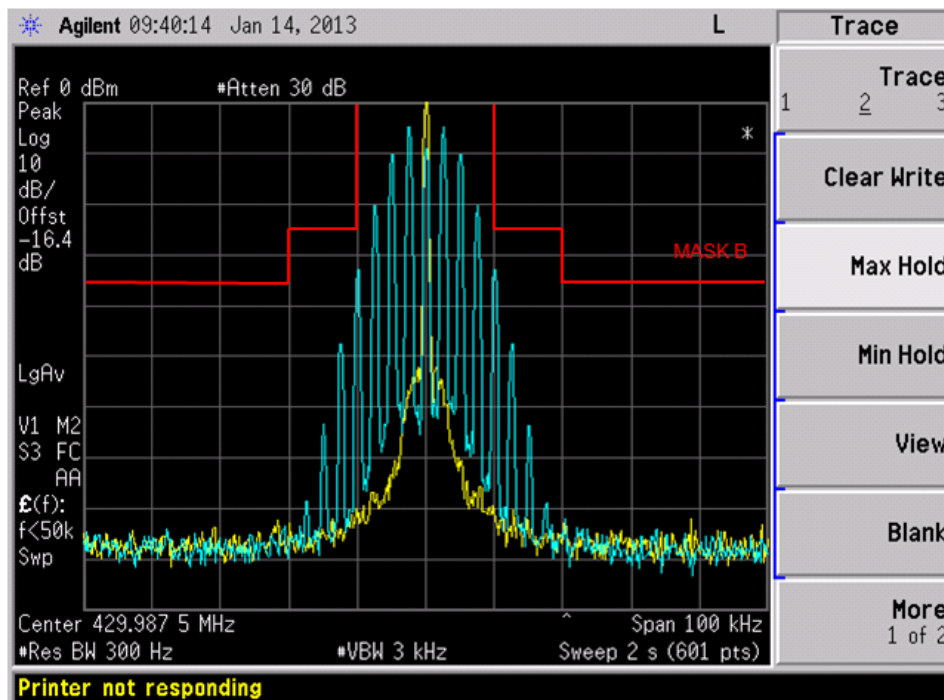


Figure 6E-10: 429.9875 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only,
16K0F3E Mask B (Not for FCC Review)

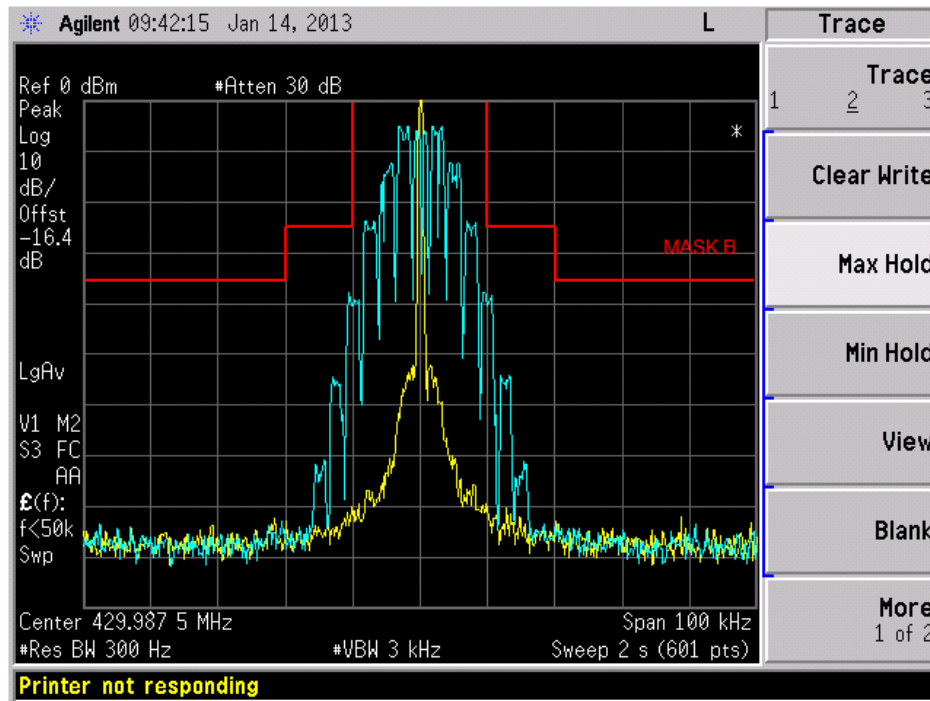


Figure 6E-11: 429.9875 MHz, 25 kHz Channel Spacing, 2500Hz Audio and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC Review)

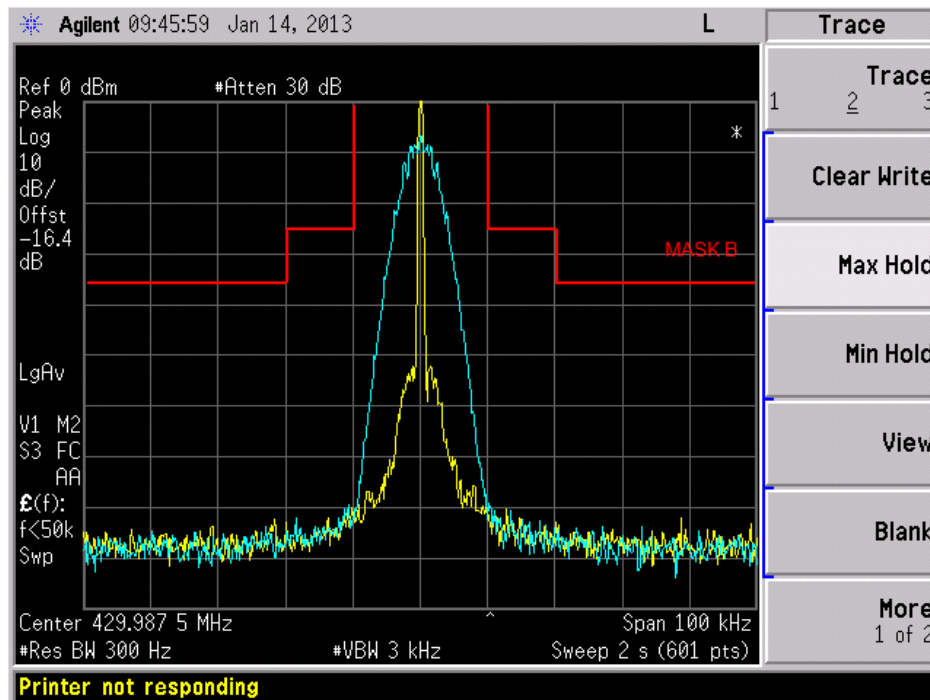


Figure 6E-12: 429.9875 MHz, 25 kHz Channel Spacing, DTMF Modulation only, 16K0F3E Mask B (Not for FCC Review)

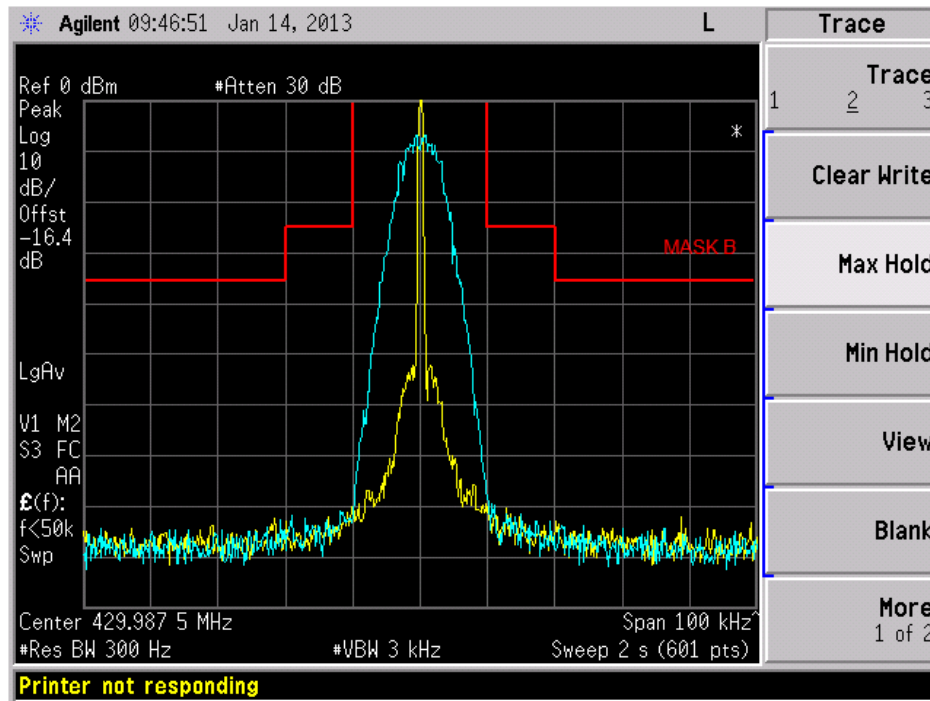


Figure 6E-13: 429.9875 MHz, 25 kHz Channel Spacing, DTMF and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC Review)

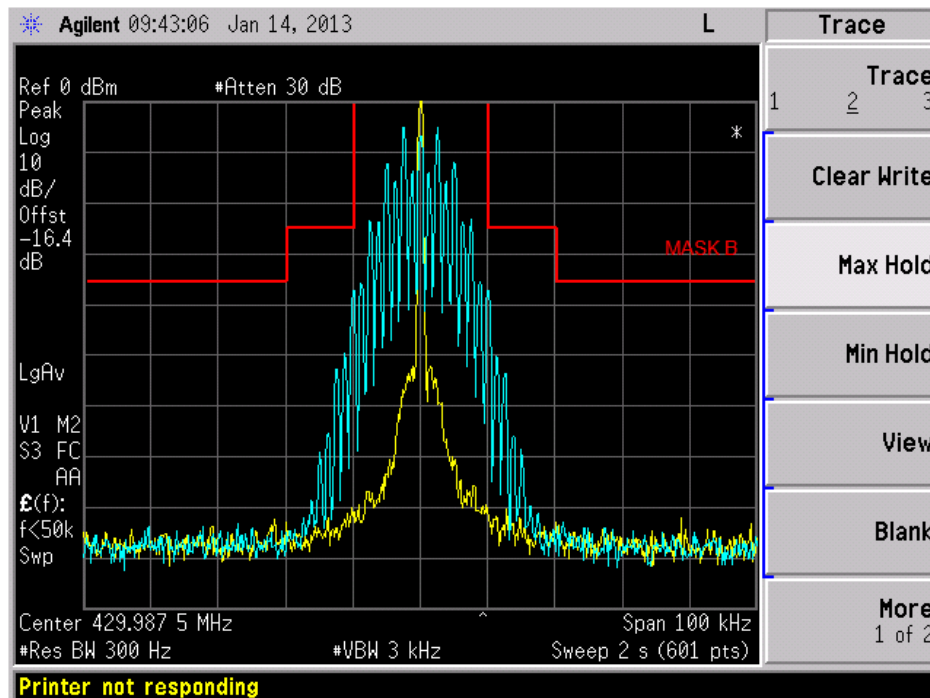


Figure 6E-14: 429.9875 MHz, 25 kHz Channel Spacing, 2000/3000 Hz FSK Data Modulation Only, 16K0F3E Mask B (Not for FCC Review)

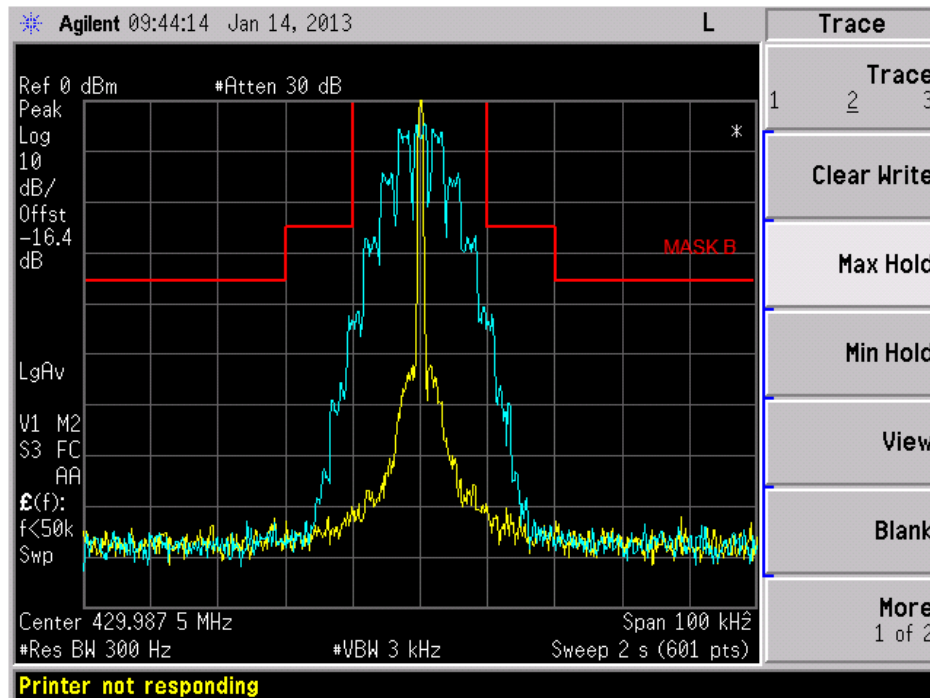


Figure 6E-15: 429.9875 MHz, 25 kHz Channel Spacing, 2000/3000 Hz FSK Data and DPL Tone Modulation, 16K0F3E Mask B (Not for FCC Review)

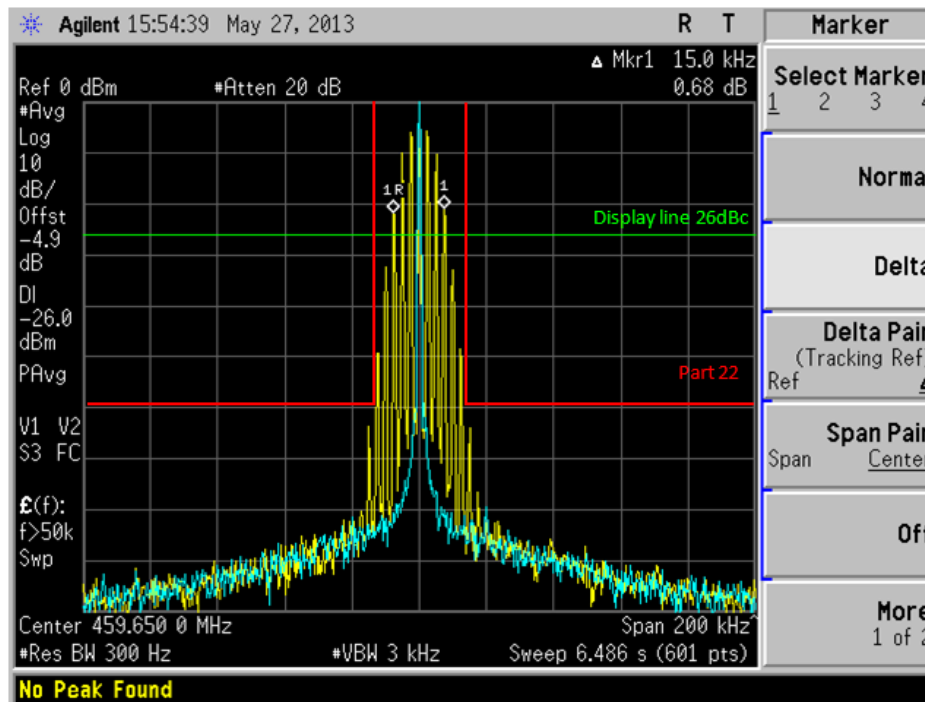


Figure 6E-16: 459.65 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E (Part 22)

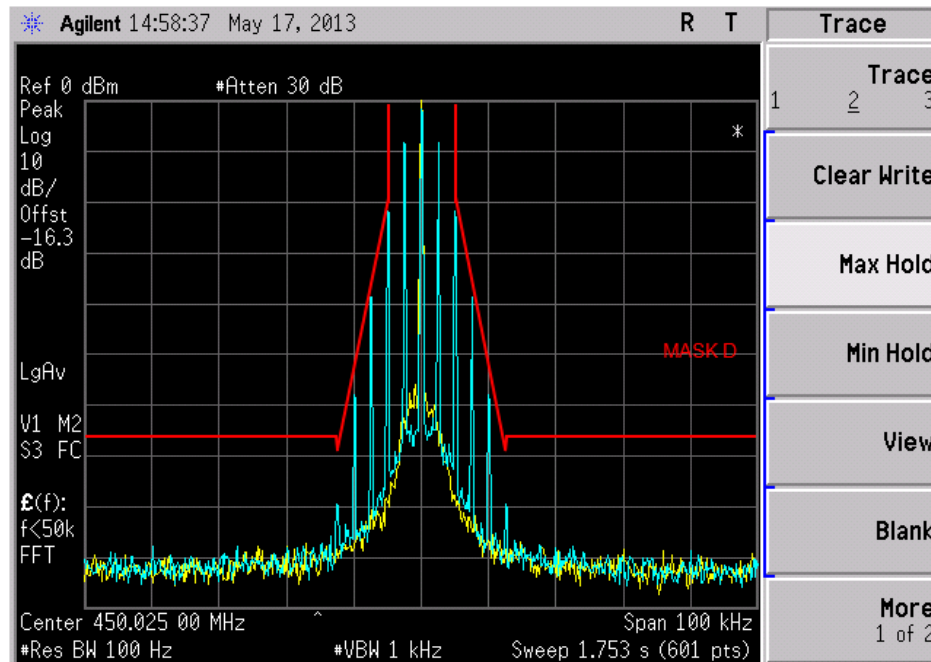


Figure 6E-17: 450.025 MHz, 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation only, 11K0F3E Mask D (Part 74)

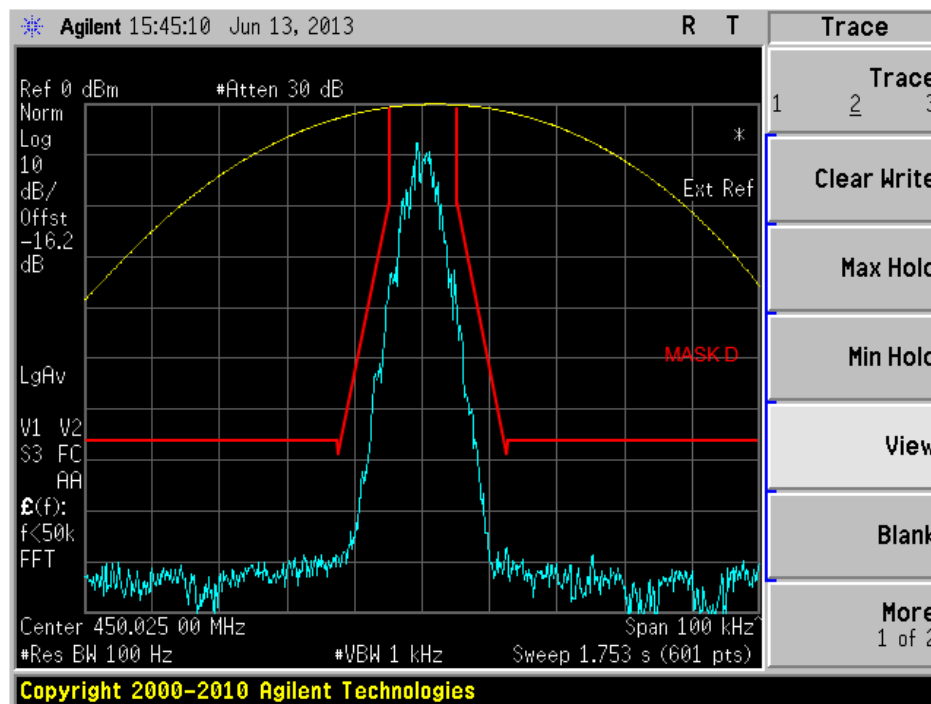


Figure 6E-18: 450.025 MHz, 4-Level FSK Voice Modulation, 7K60F1E Mask D (Part 74)

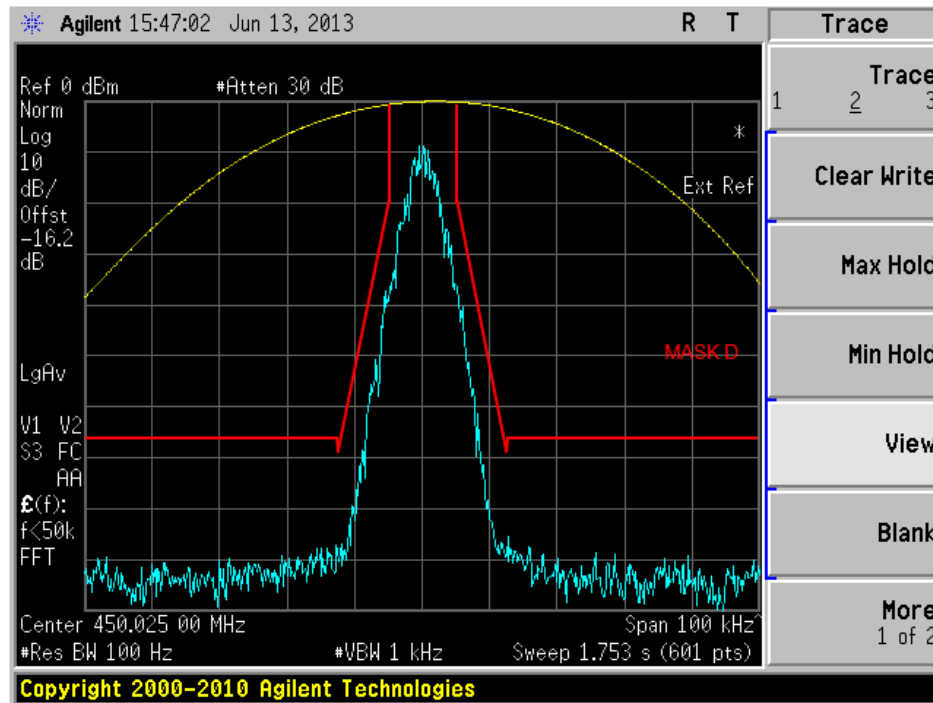


Figure 6E-19: 450.025 MHz, 4-Level FSK Data Modulation,
7K60F1D Mask D (Part 74)

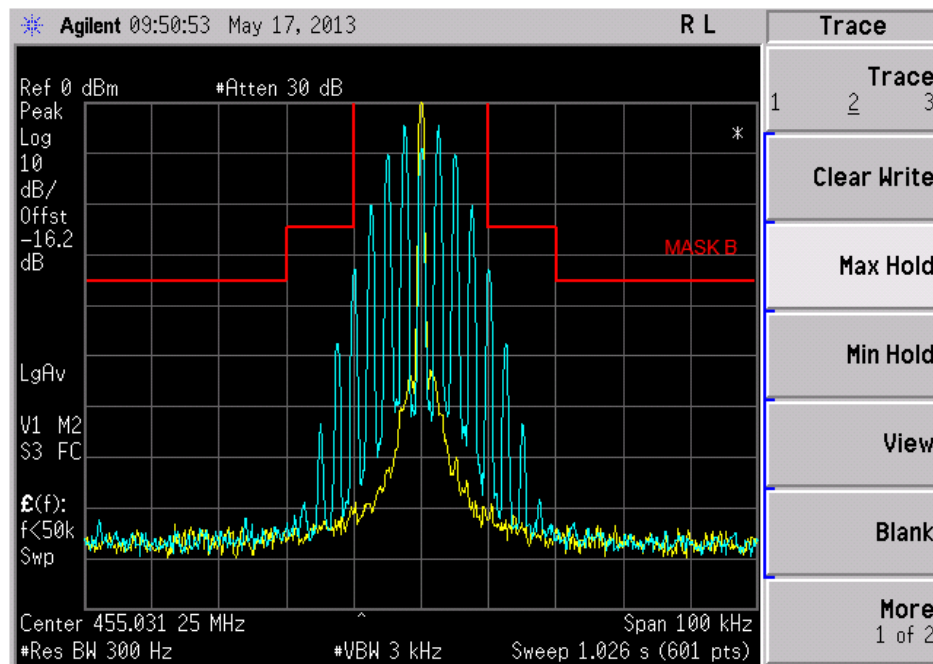


Figure 6E-20: 455.03125 MHz, 25 kHz Channel Spacing, 2500 Hz Audio Modulation only,
16K0F3E Mask B (Part 74)

****NOTE:-**

- For 4FSK Digital Modulation, 12.5 kHz Data 7K60F1D & 7K60FXD would be the same. Therefore only measurements with 7K60FXD shown above.
- For 4FSK Digital Modulation, 12.5 kHz Voice 7K60F1E & 7K60FXE would be the same. Therefore only measurements with 7K60FXE shown above.
- 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 Conducted Spurious Emissions

Note: Display lines on graphs correspond to the FCC limit of – 13dBm (25 kHz) & -20dBm (12.5 kHz).

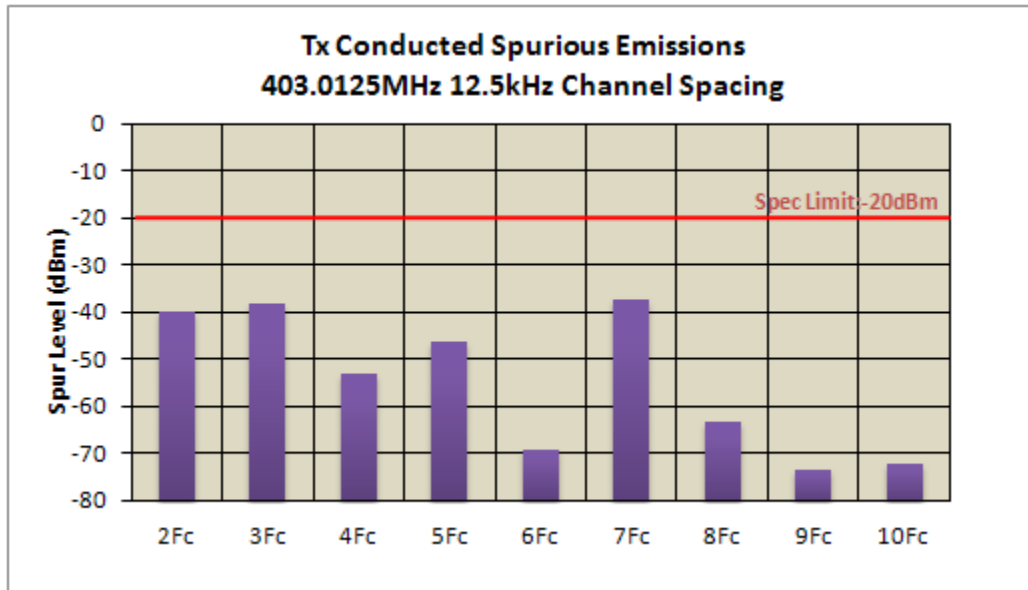


Figure 6F-1: 48W Harmonic of Carrier 403.0125 MHz, 12.5 kHz Channel Spacing (Not for FCC review)

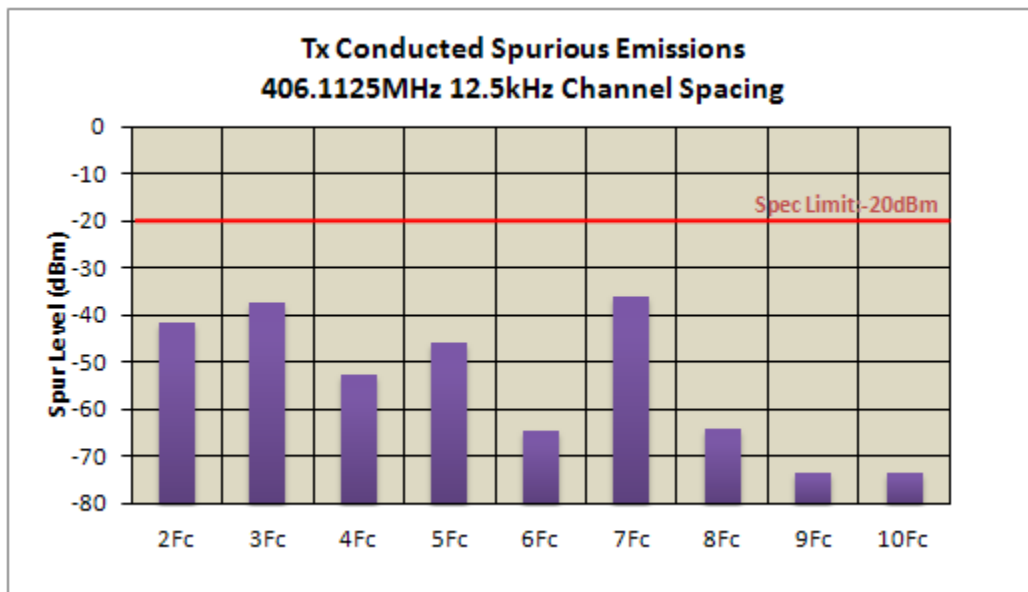


Figure 6F-2: 48W Harmonic of Carrier 406.1125 MHz, 12.5 kHz Channel Spacing

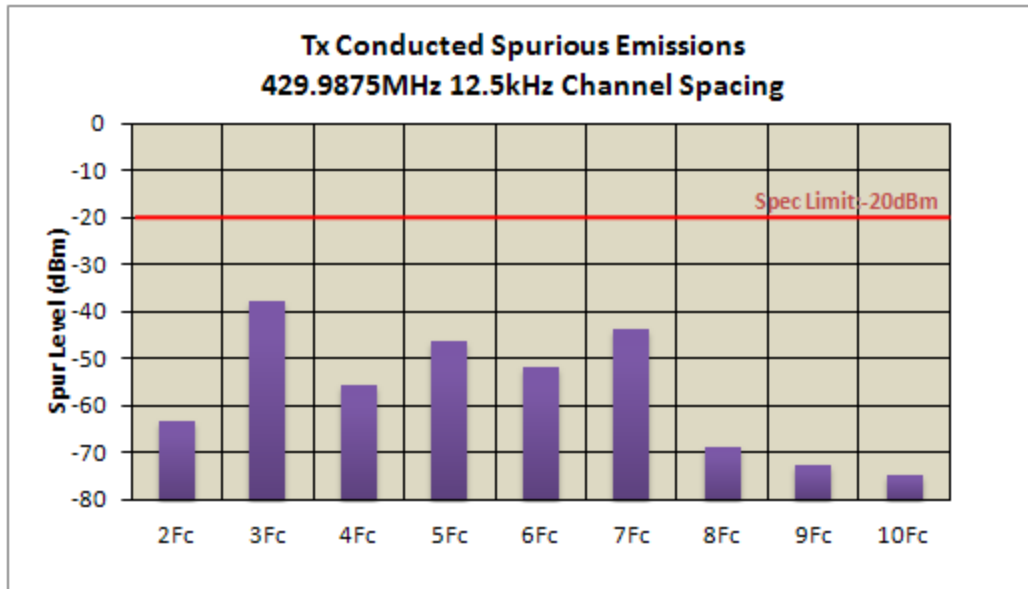


Figure 6F-3: 48W Harmonic of Carrier 429.9875 MHz, 12.5 kHz Channel Spacing

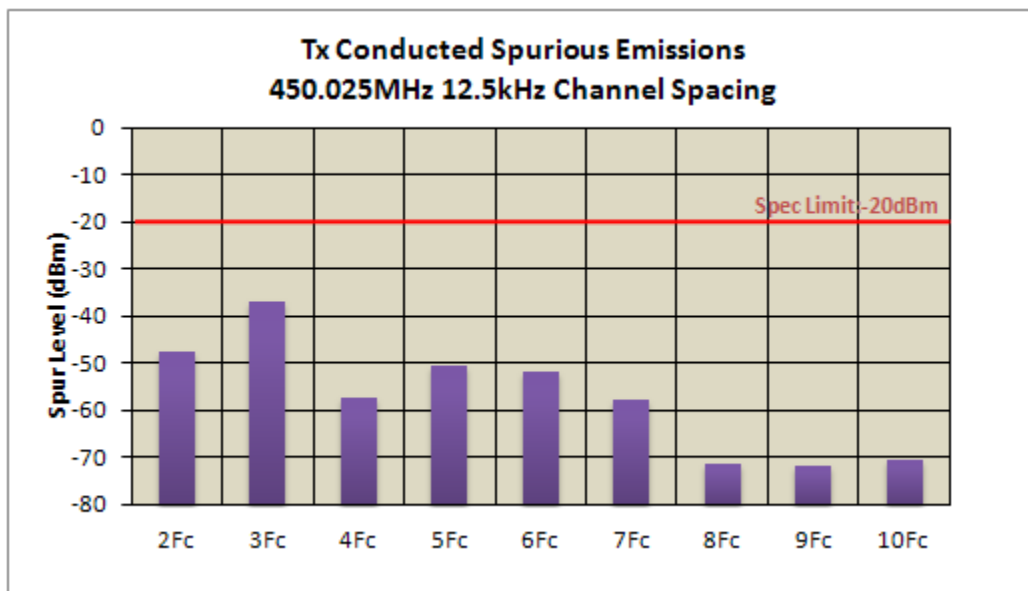


Figure 6F-4: 48W Harmonic of Carrier 450.025 MHz, 12.5 kHz Channel Spacing (Part 74)

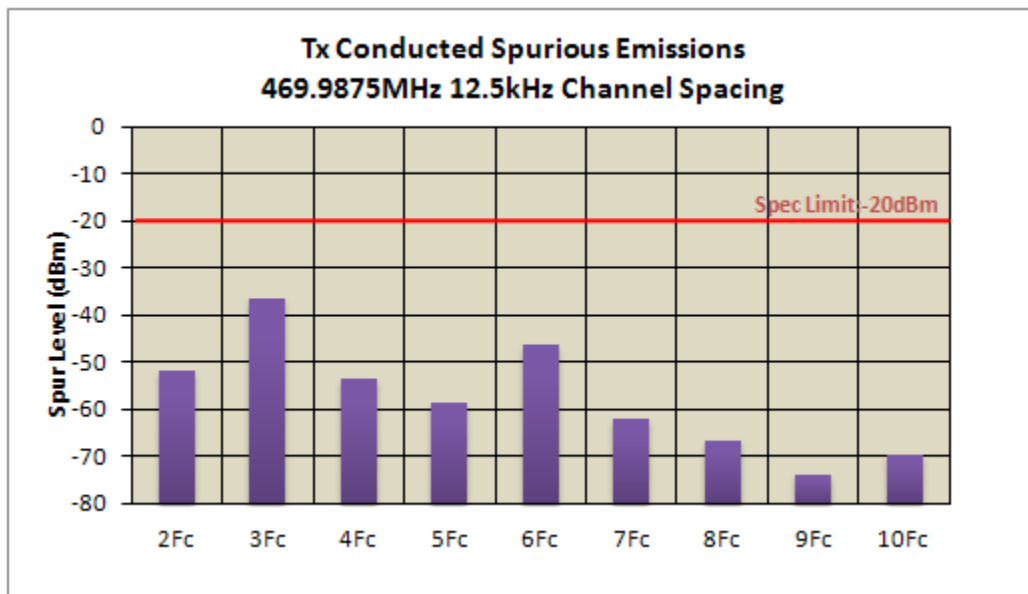


Figure 6F-5: 48W Harmonic of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

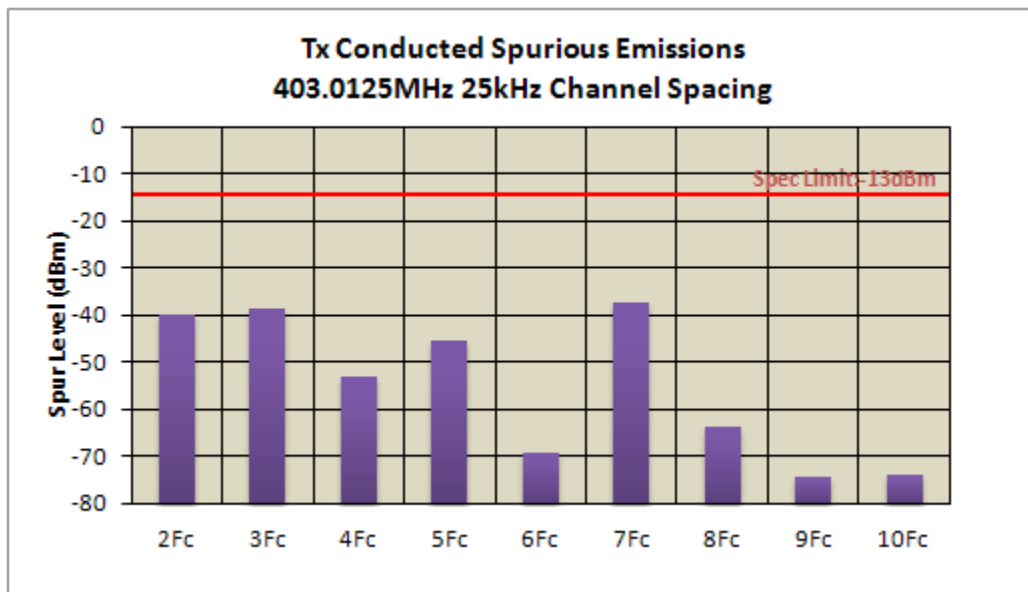


Figure 6F-6: 48W Harmonic of Carrier 403.0125 MHz, 25 kHz Channel Spacing
(Not for FCC Review)

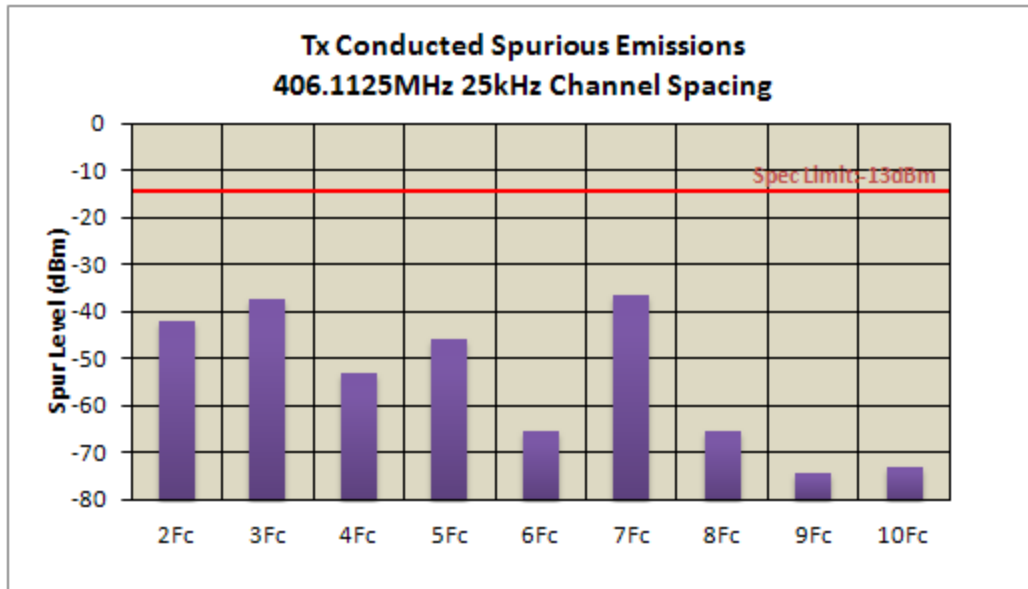


Figure 6F-7: 48W Harmonic of Carrier 406.1125 MHz, 25 kHz Channel Spacing
(Not for FCC Review)

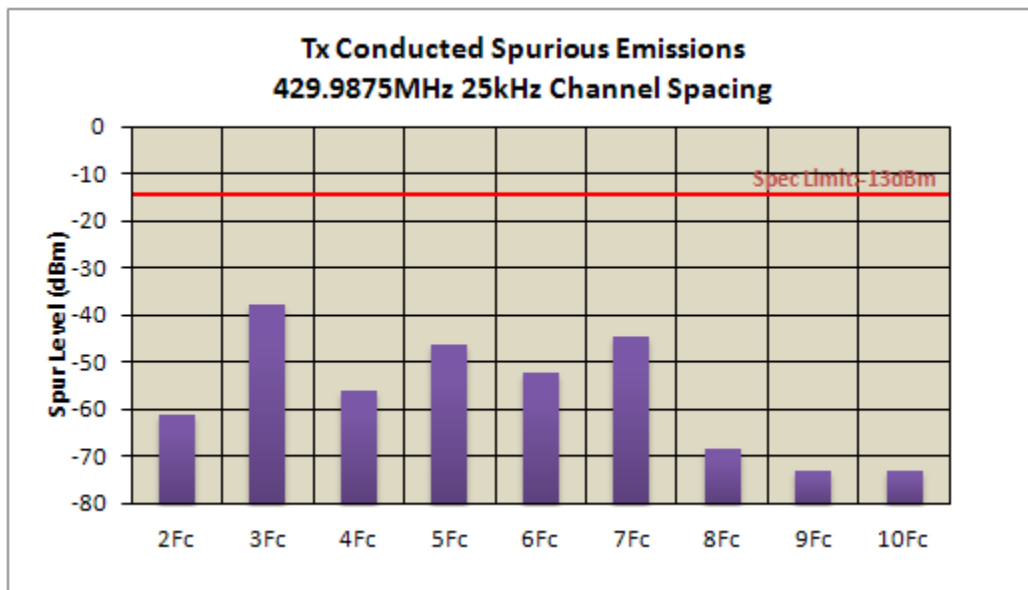


Figure 6F-8: 48W Harmonic of Carrier 429.9875 MHz, 25 kHz Channel Spacing
(Not for FCC Review)

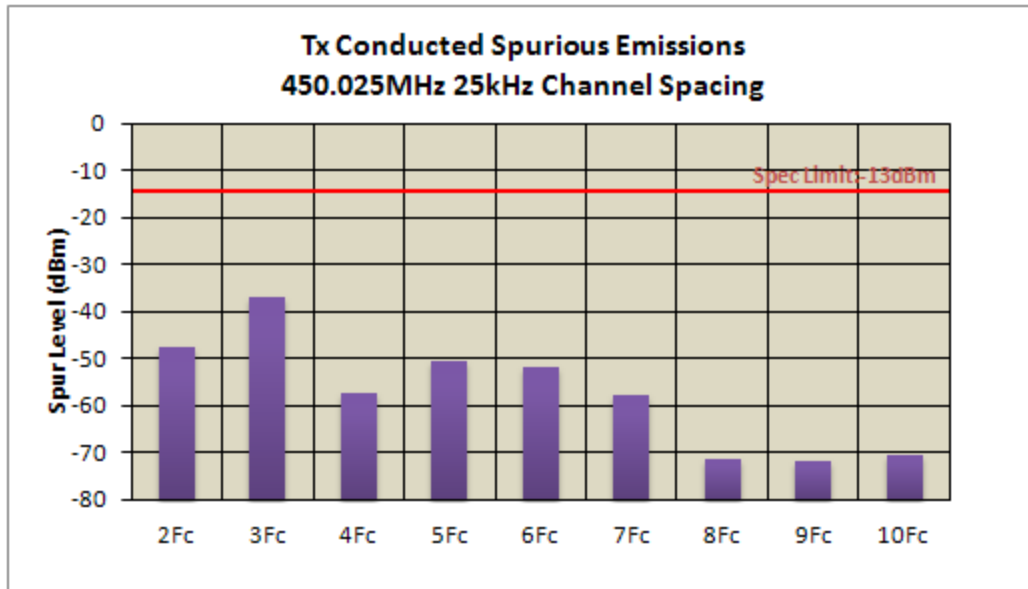


Figure 6F-9: 48W Harmonic of Carrier 450.025 MHz, 25 kHz Channel Spacing
(Part 74)

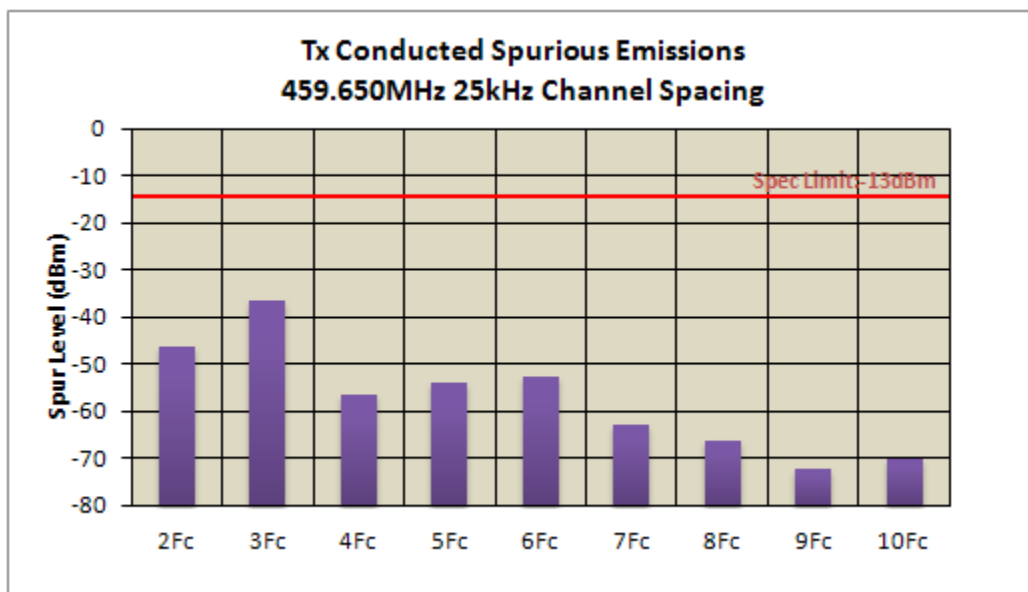


Figure 6F-10: 48W Harmonic of Carrier 459.65 MHz, 25 kHz Channel Spacing
(Part 22)

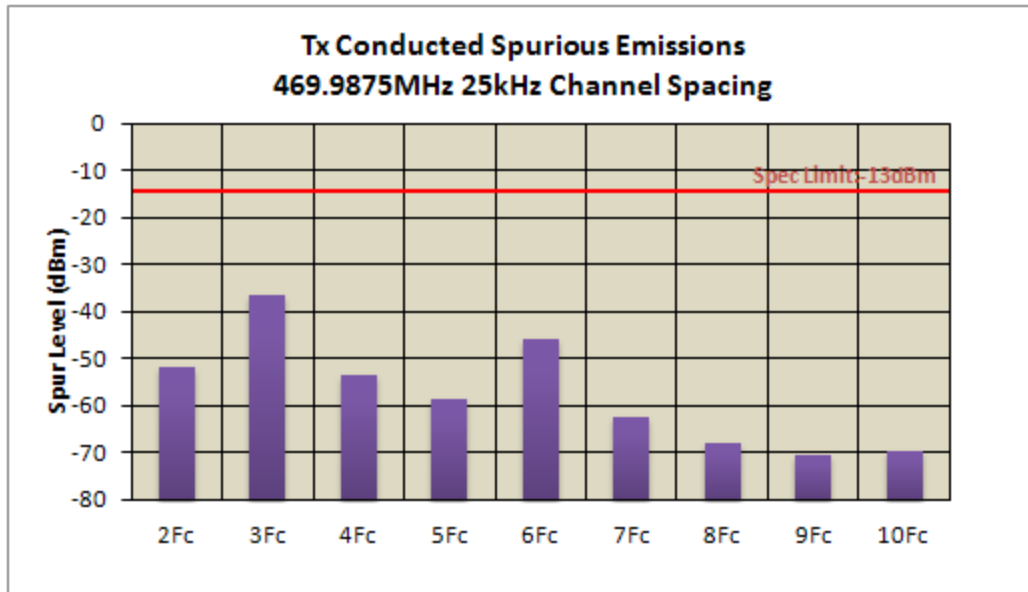


Figure 6F-11: 48W Harmonic of Carrier 469.9875 MHz, 25 kHz Channel Spacing
(Not for FCC Review)

EXHIBIT 6G

Transmitter Radiated Spurious Emissions

Motorola Solutions

FCC ID: ABZ99FT4093 / IC ID: 109AB-99FT4093

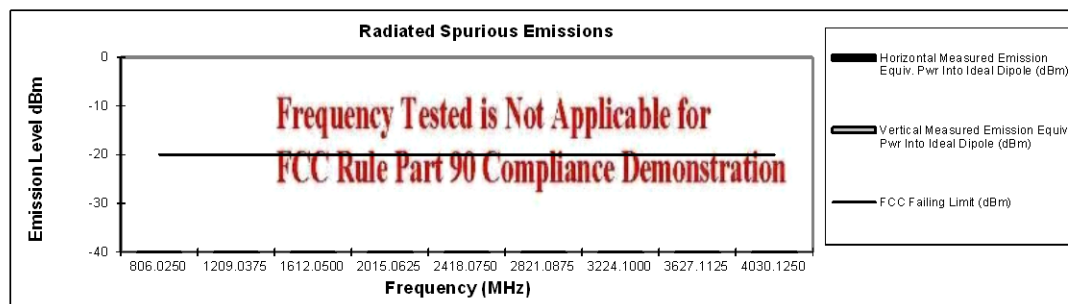
Transmit Radiated Spurious Emissions: **PMUE4164A**

Tx Power: 48 Watts

403.0125 MHz

Channel Spacing 12.5kHz | S/N 776TPF0233

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	*	*

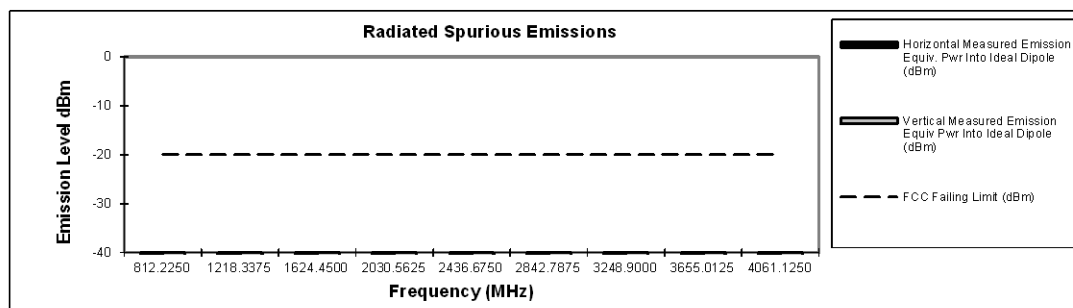
Transmit Radiated Spurious Emissions: **PMUE4164A**

Tx Power: 48 Watts

406.1125 MHz

Channel Spacing 12.5kHz | S/N 776TPF0233

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

April 15, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6G-1, 2: 48 Watts, 403.0125 MHz (Not for FCC review) & 406.1125 MHz, 12.5 kHz Channel Spacing

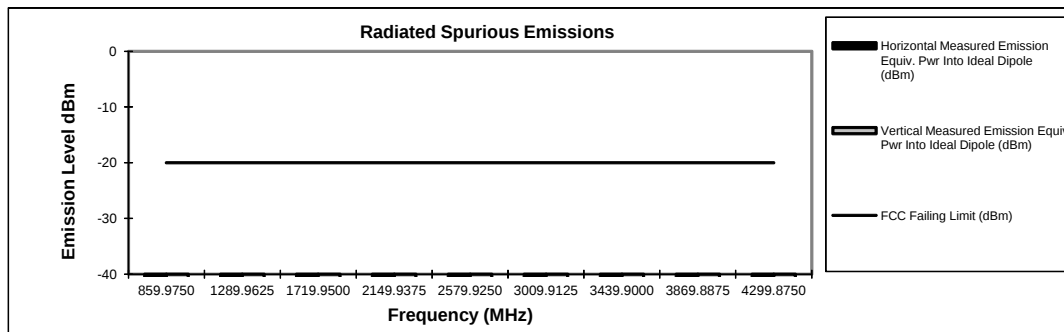
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 48 Watts

429.9875 MHz

Channel Spacing 12.5kHz | S/N 776TPF0233

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	*	*



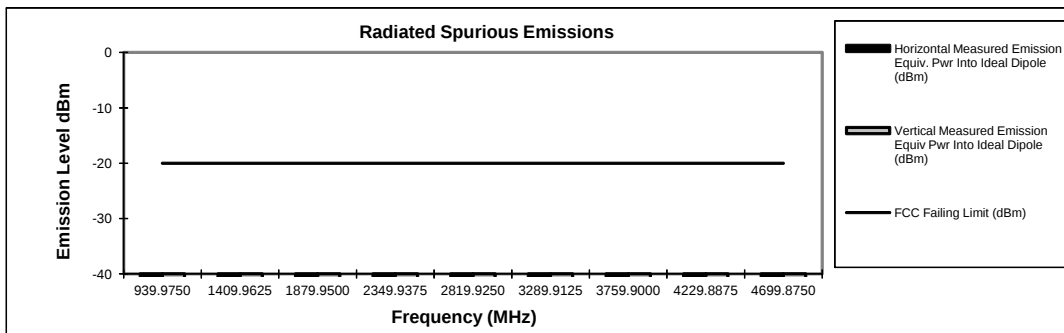
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 48 Watts

469.9875 MHz

Channel Spacing 12.5kHz | S/N 776TPF0233

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

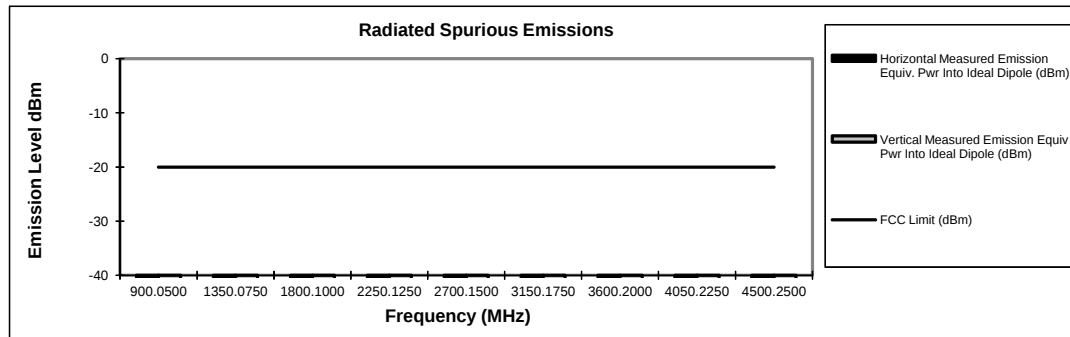
April 15, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6G-3, 4: 48 Watts, 429.9875 MHz & 469.9875 MHz, 12.5 kHz Channel Spacing

Transmit Radiated Spurious Emissions: PMUE4164A**Tx Power: 48 Watts****450.025 MHz****Channel Spacing 12.5kHz | S/N 776TPF0234**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0500	-20	*	*
1350.0750	-20	*	*
1800.1000	-20	*	*
2250.1250	-20	*	*
2700.1500	-20	*	*
3150.1750	-20	*	*
3600.2000	-20	*	*
4050.2250	-20	*	*
4500.2500	-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

June 10, 2013

Figure 6G-5: 48 Watts, 450.025 MHz (Part 74), 12.5 kHz Channel Spacing

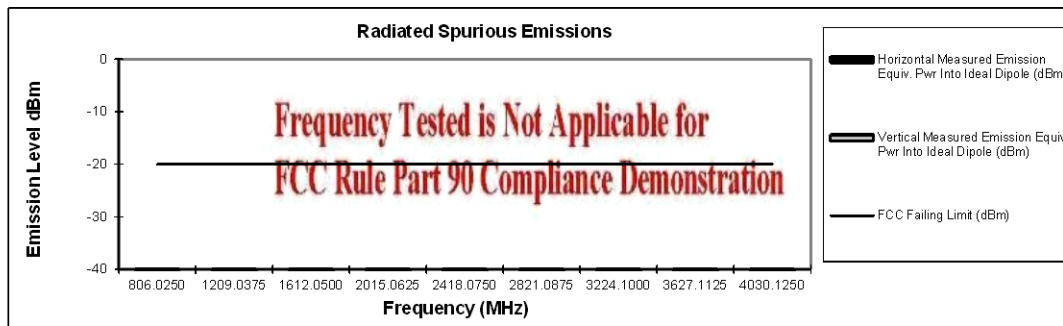
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

403.0125 MHz

Channel Spacing 12.5kHz | S/N 776TPF0233

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	*	*



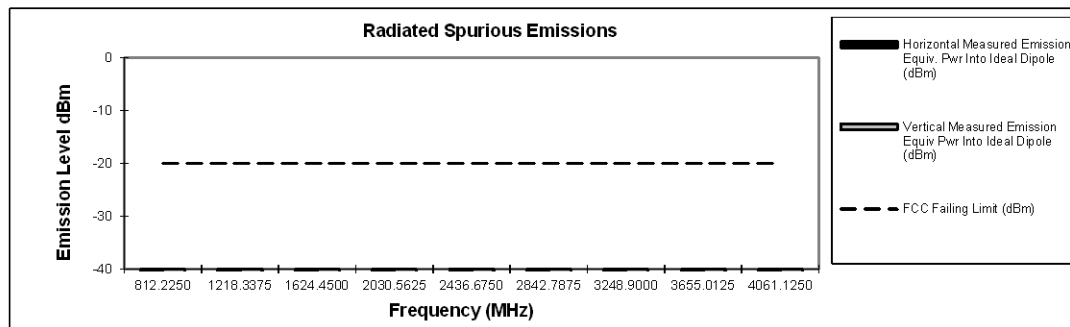
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

406.1125 MHz

Channel Spacing 12.5kHz | S/N 776TPF0233

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

April 15, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6G-6, 7: 25 Watts, 403.0125 MHz (Not for FCC review) & 406.1125 MHz, 12.5 kHz Channel Spacing

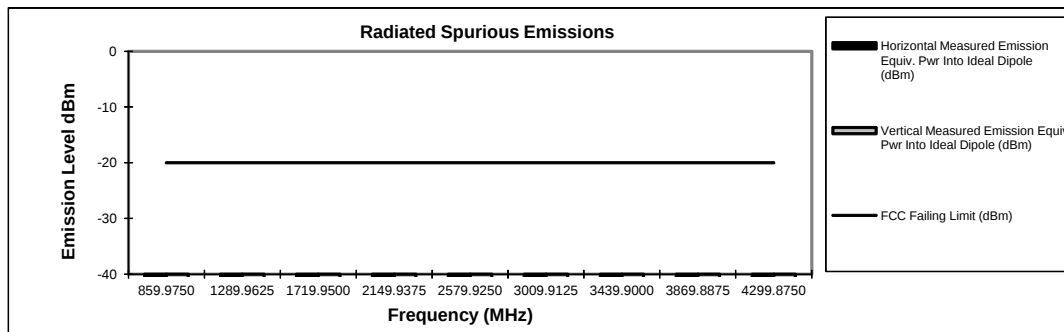
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

429.9875 MHz

Channel Spacing 12.5kHz | S/N 776TPF0233

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	*	*



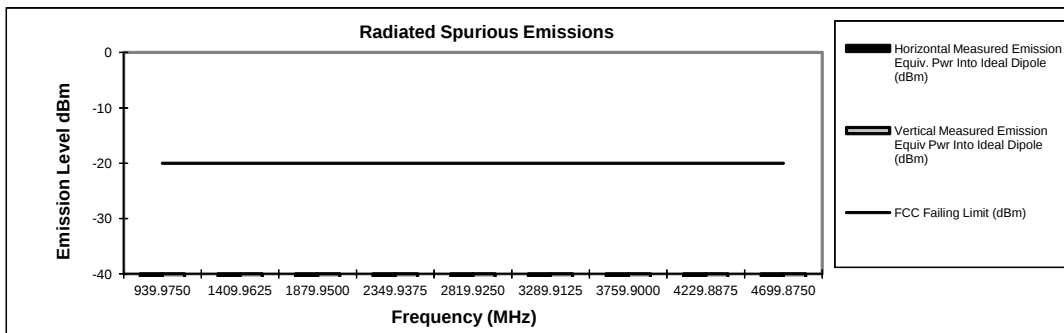
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

469.9875 MHz

Channel Spacing 12.5kHz | S/N 776TPF0233

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

April 15, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6G-8, 9: 25 Watts, 429.9875 MHz & 469.9875 MHz, 12.5 kHz Channel Spacing

Motorola Solutions

FCC ID:ABZ99FT4093 / IC ID:109AB-99FT4093

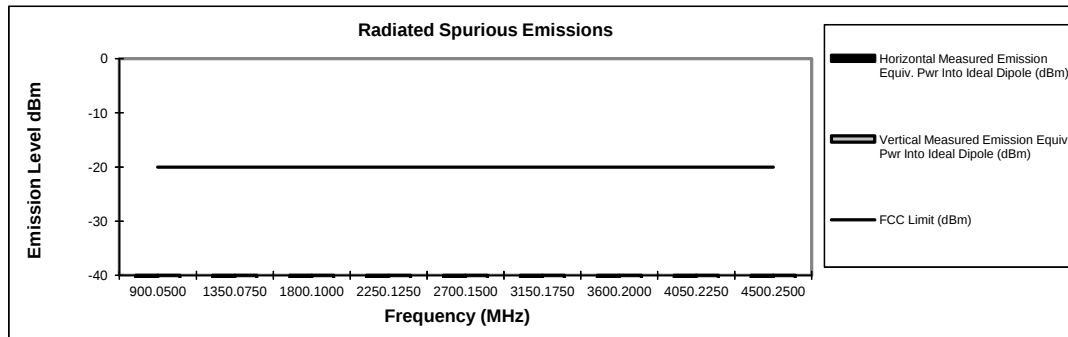
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

450.025 MHz

Channel Spacing 12.5kHz | S/N 776TPF0234

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0500	-20	*	*
1350.0750	-20	*	*
1800.1000	-20	*	*
2250.1250	-20	*	*
2700.1500	-20	*	*
3150.1750	-20	*	*
3600.2000	-20	*	*
4050.2250	-20	*	*
4500.2500	-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

June 10, 2013

Figure 6G-10: 25 Watts, 450.025 MHz (Part 74), 12.5 kHz Channel Spacing

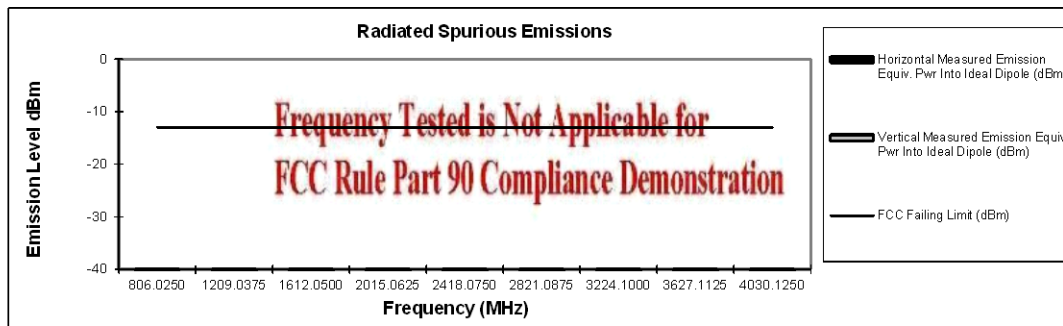
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 48 Watts

403.0125 MHz

Channel Spacing 25kHz | S/N 776TPF0233

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	*	*



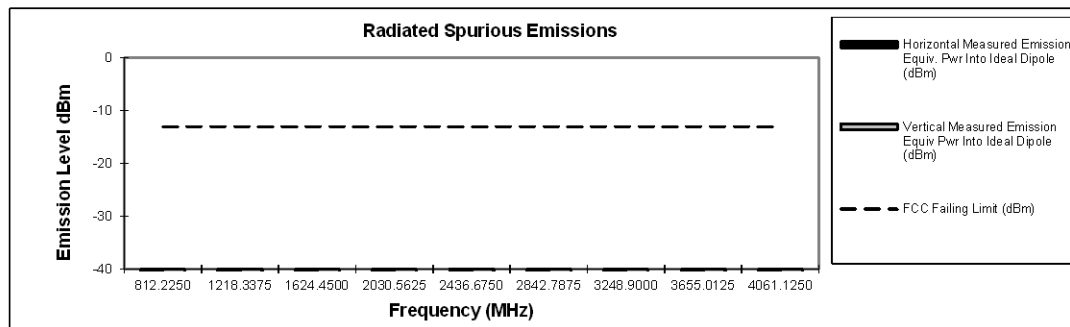
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 48 Watts

406.1125 MHz

Channel Spacing 25kHz | S/N 776TPF0233

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

April 16, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6G-11, 12: 48 Watts, 403.0125 MHz & 406.1125 MHz, 25 kHz Channel Spacing (Not for FCC Review)

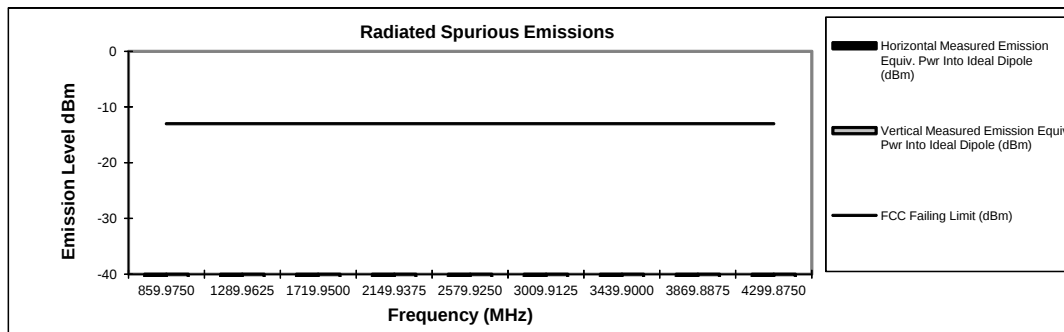
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 48 Watts

429.9875 MHz

Channel Spacing 25kHz | S/N 776TPF0233

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	*	*



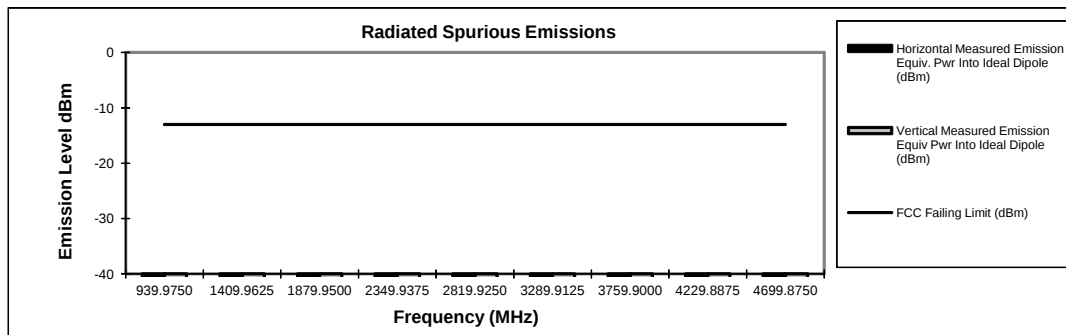
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 48 Watts

469.9875 MHz

Channel Spacing 25kHz | S/N 776TPF0233

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

April 16, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6G-13, 14: 48 Watts, 429.9875 MHz & 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC Review)

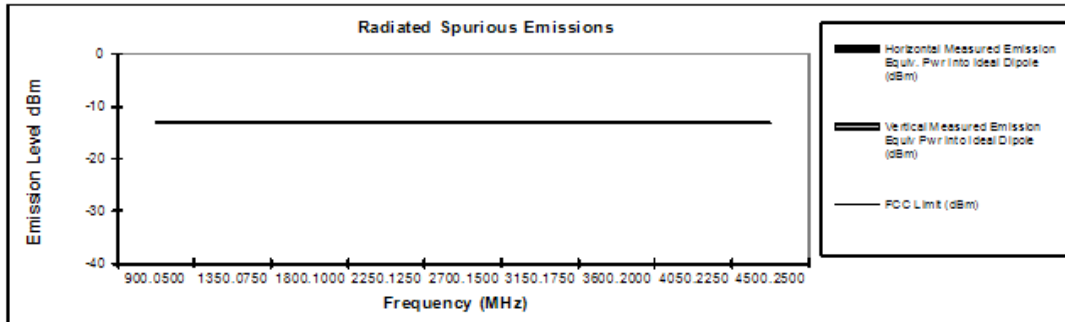
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 48 Watts

450.025 MHz

Channel Spacing 25kHz | S/N 776TPF0234

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0500	-13	*	*
1350.0750	-13	*	*
1800.1000	-13	*	*
2250.1250	-13	*	*
2700.1500	-13	*	*
3150.1750	-13	*	*
3600.2000	-13	*	*
4050.2250	-13	*	*
4500.2500	-13	*	*



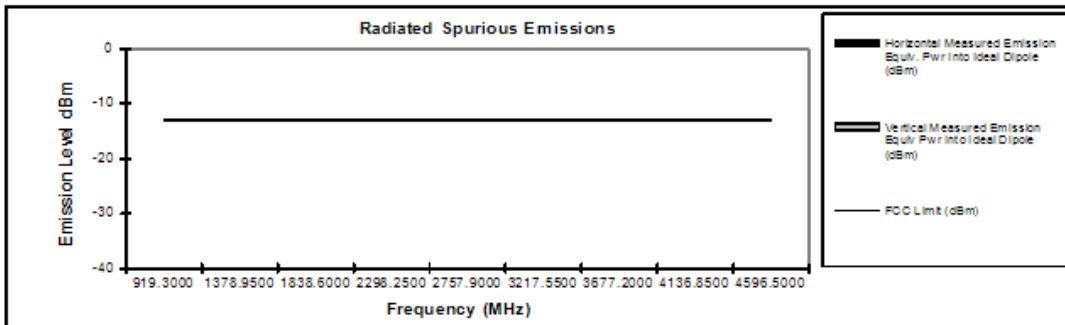
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 48 Watts

459.65 MHz

Channel Spacing 25kHz | S/N 776TPF0234

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
919.3000	-13	*	*
1378.9500	-13	*	*
1838.6000	-13	*	*
2298.2500	-13	*	*
2757.9000	-13	*	*
3217.5500	-13	*	*
3677.2000	-13	*	*
4136.8500	-13	*	*
4596.5000	-13	*	*



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

Pursuant to CFR 47 Part 2.1057(e), 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

June 12, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

**Figure 6G-15, 16: 48 Watts, 450.025 MHz (Part 74) & 459.650 MHz (Part 22),
25 kHz Channel Spacing**

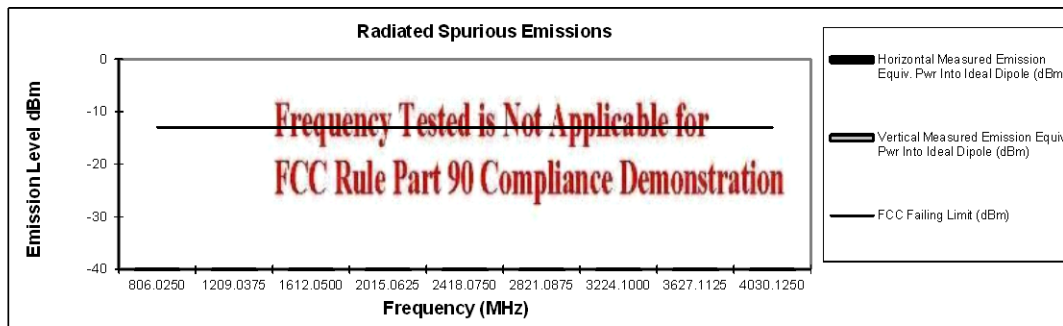
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

403.0125 MHz

Channel Spacing 25kHz | S/N 776TPF0233

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	*	*



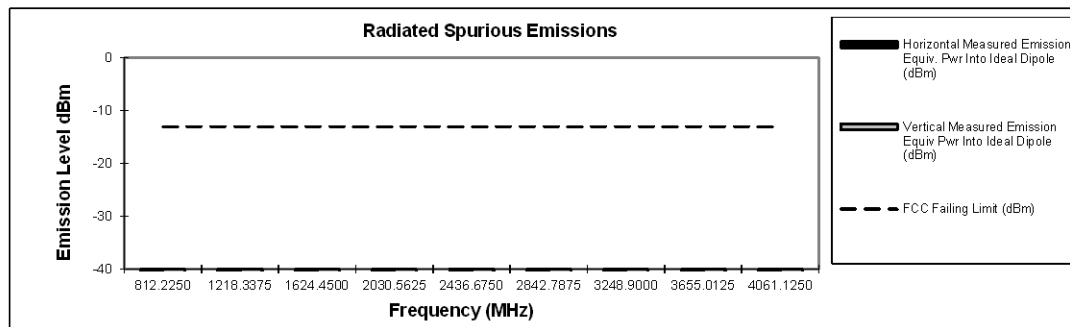
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

406.1125 MHz

Channel Spacing 25kHz | S/N 776TPF0233

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

April 16, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6G-17, 18: 25 Watts, 403.0125 MHz & 406.1125 MHz, 25 kHz Channel Spacing
(Not for FCC Review)

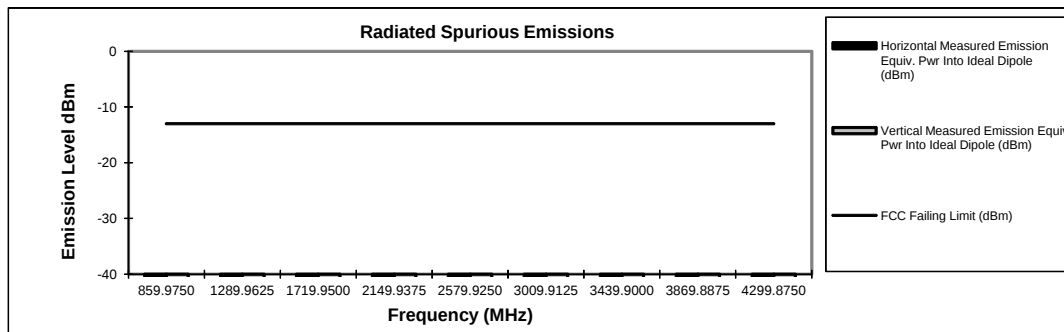
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

429.9875 MHz

Channel Spacing 25kHz | S/N 776TPF0233

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	*	*



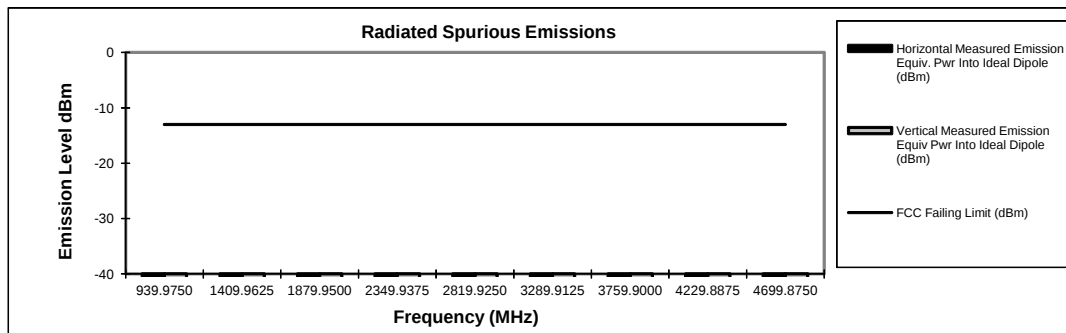
Transmit Radiated Spurious Emissions: PMUE4164A

Tx Power: 25 Watts

469.9875 MHz

Channel Spacing 25kHz | S/N 776TPF0233

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

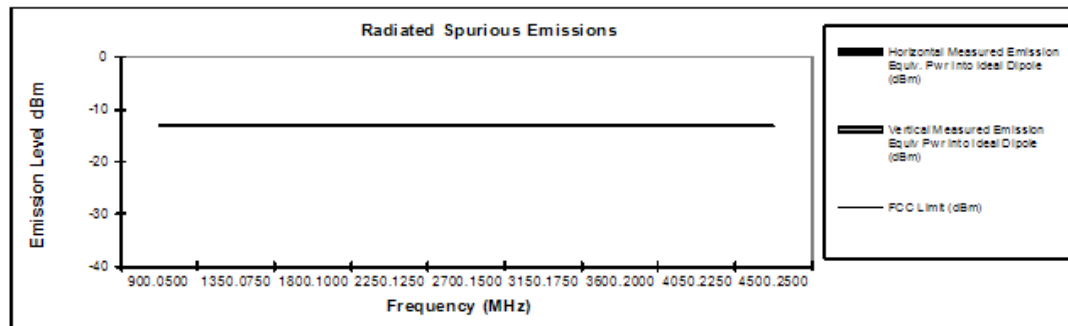
April 16, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

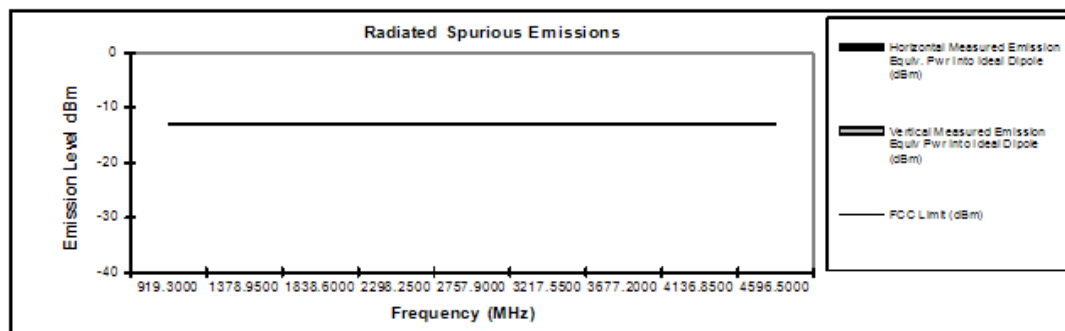
**Figure 6G-19, 20: 25 Watts, 429.9875 MHz & 469.9875 MHz, 25 kHz Channel Spacing
(Not for FCC Review)**

Motorola Solutions**FCC ID: ABZ99FT4093 / IC ID: 109AB-99FT4093****Transmit Radiated Spurious Emissions: PMUE4164A****Tx Power: 25 Watts****450.025 MHz****Channel Spacing 25kHz | S/N 776TPF0234**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0500	-13	*	*
1350.0750	-13	*	*
1800.1000	-13	*	*
2250.1250	-13	*	*
2700.1500	-13	*	*
3150.1750	-13	*	*
3600.2000	-13	*	*
4050.2250	-13	*	*
4500.2500	-13	*	*

**Transmit Radiated Spurious Emissions: PMUE4164A****Tx Power: 25 Watts****459.65 MHz****Channel Spacing 25kHz | S/N 776TPF0234**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
919.3000	-13	*	*
1378.9500	-13	*	*
1838.6000	-13	*	*
2298.2500	-13	*	*
2757.9000	-13	*	*
3217.5500	-13	*	*
3677.2000	-13	*	*
4136.8500	-13	*	*
4596.5000	-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**June 12, 2013****FCC Registration: 91932 / Industry Canada: IC109U-1****Figure 6G-21, 22: 25 Watts, 450.025 MHz (Part 74) & 459.650 MHz (Part 22),
25 kHz Channel Spacing**

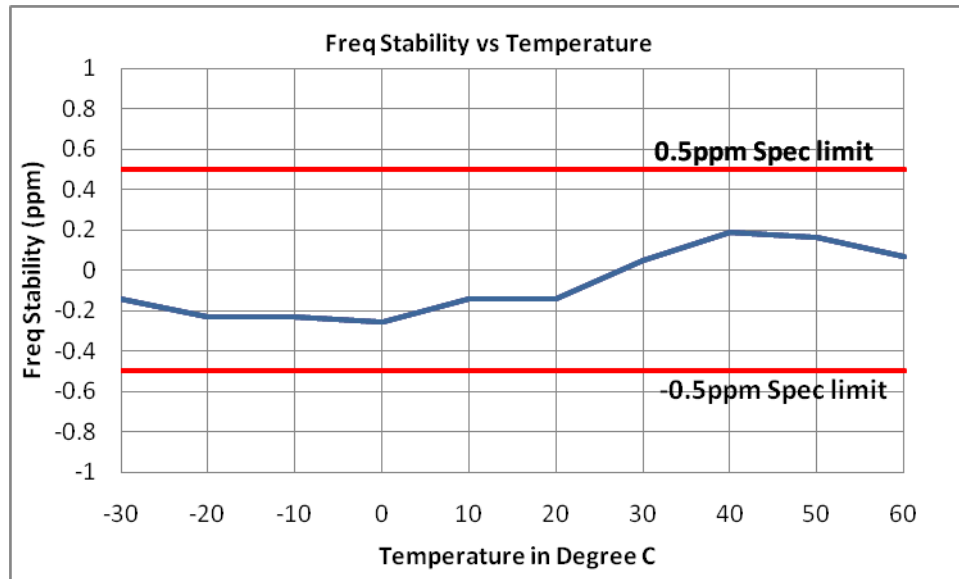
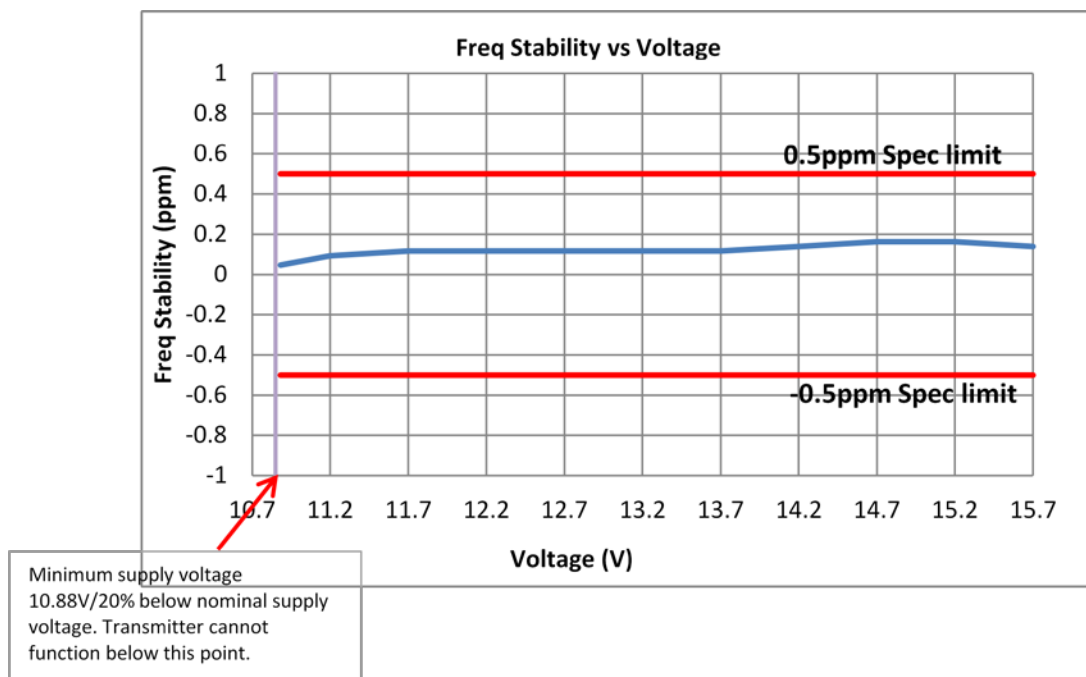
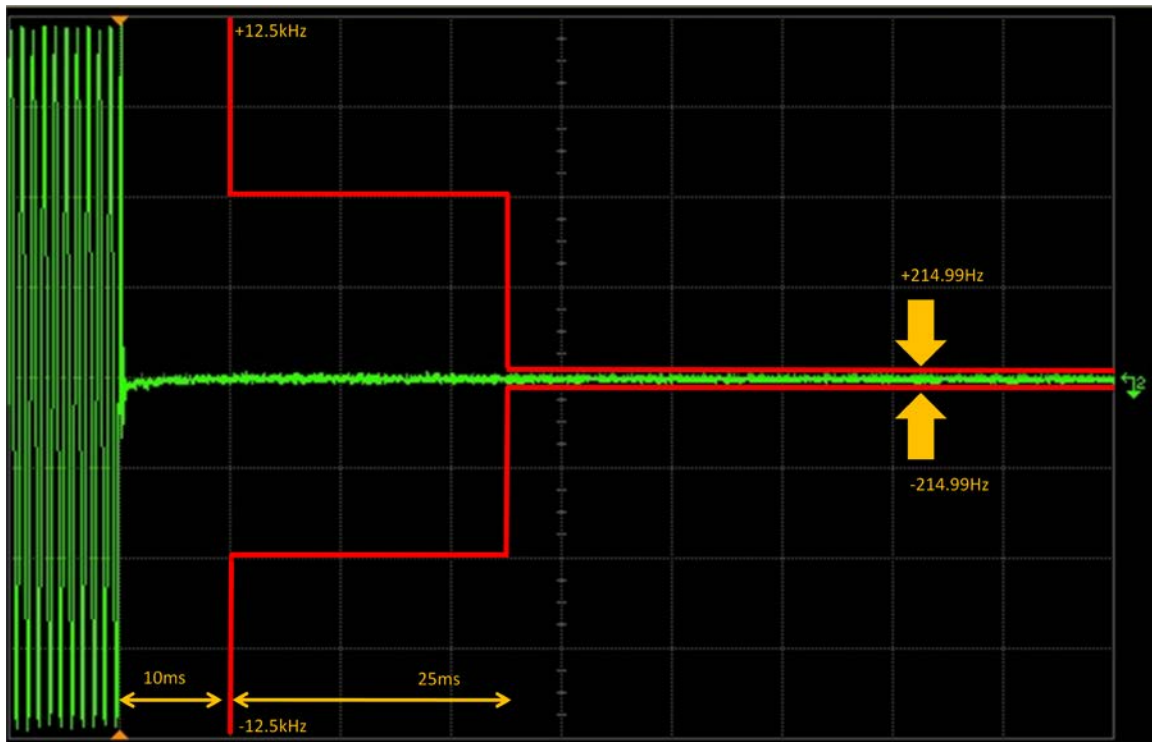
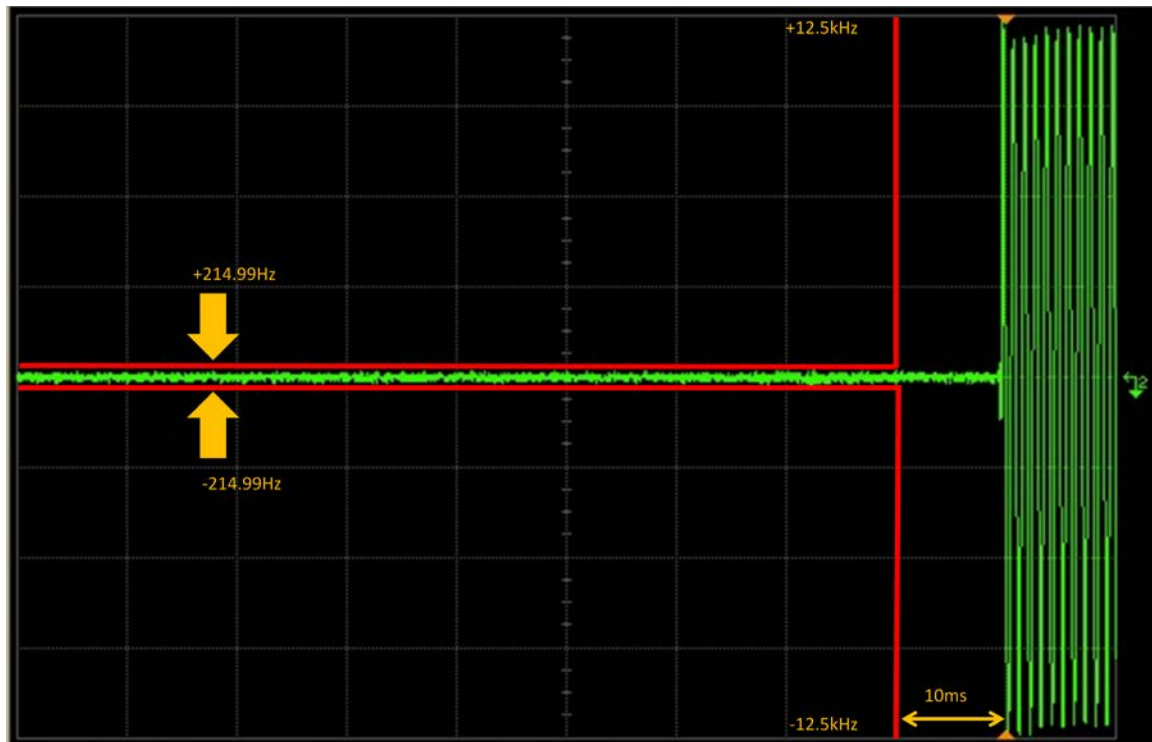
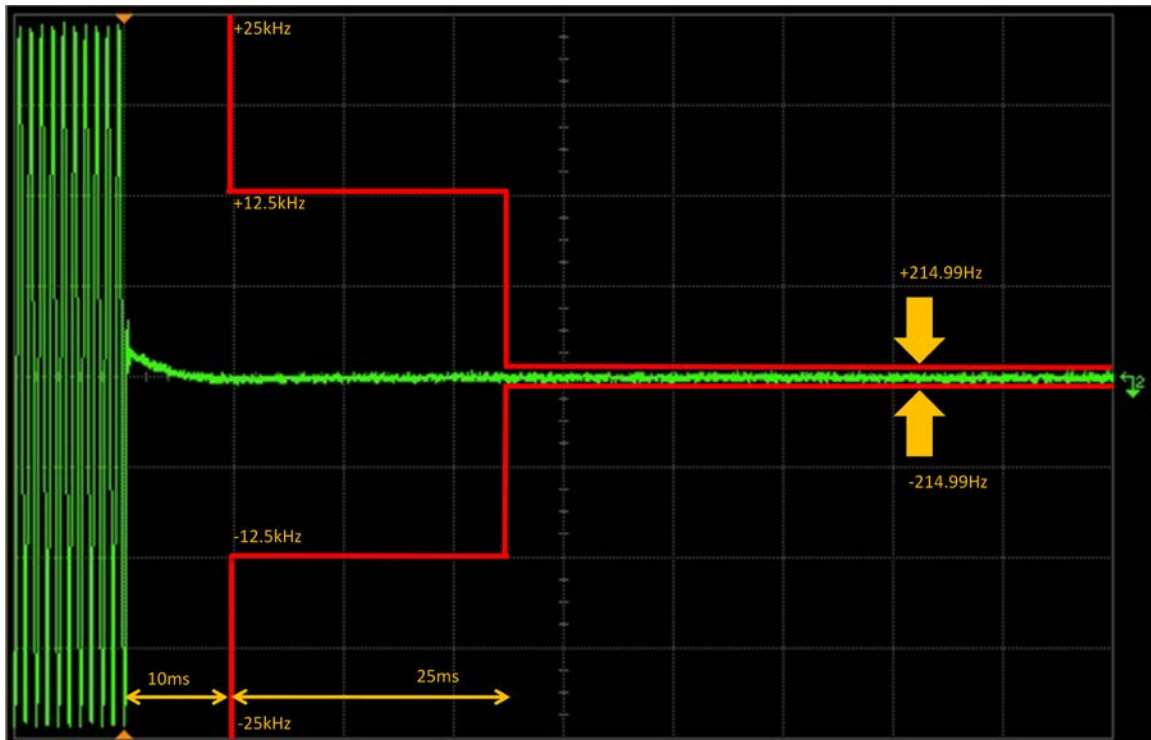
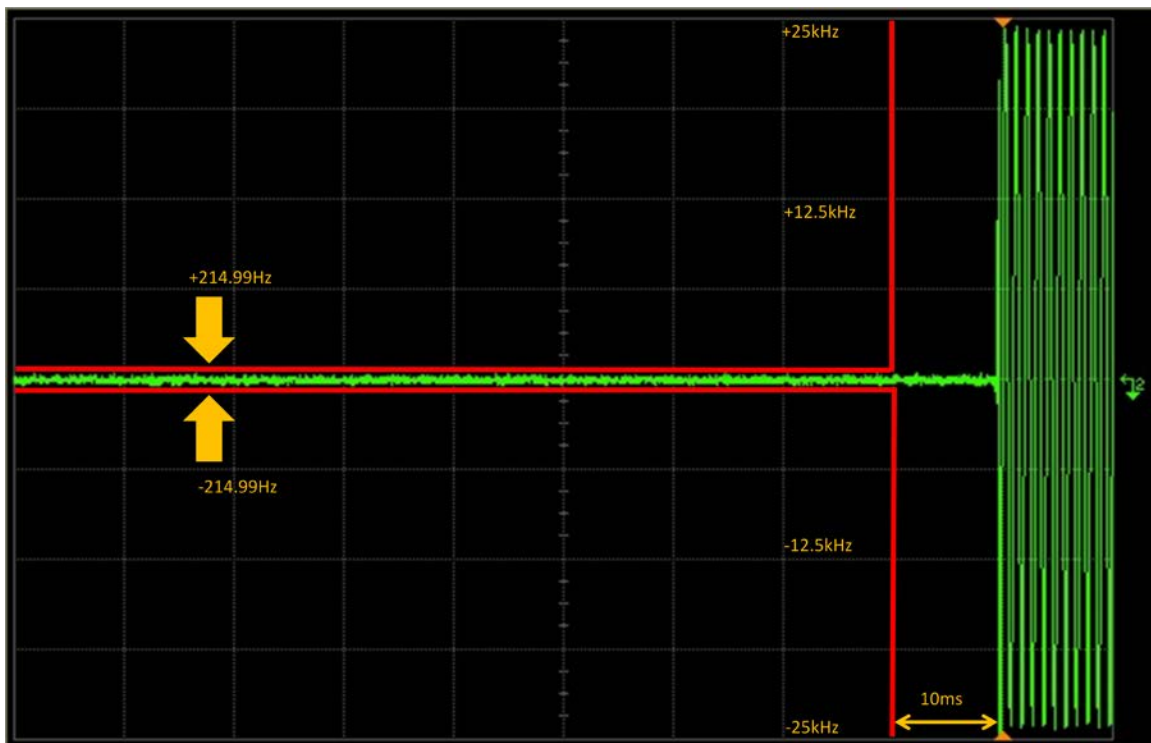
EXHIBIT 6H – Frequency Stability**6H-1 – Frequency Stability vs. Temperature****6H-2 – Frequency Stability vs. Supply Voltage**

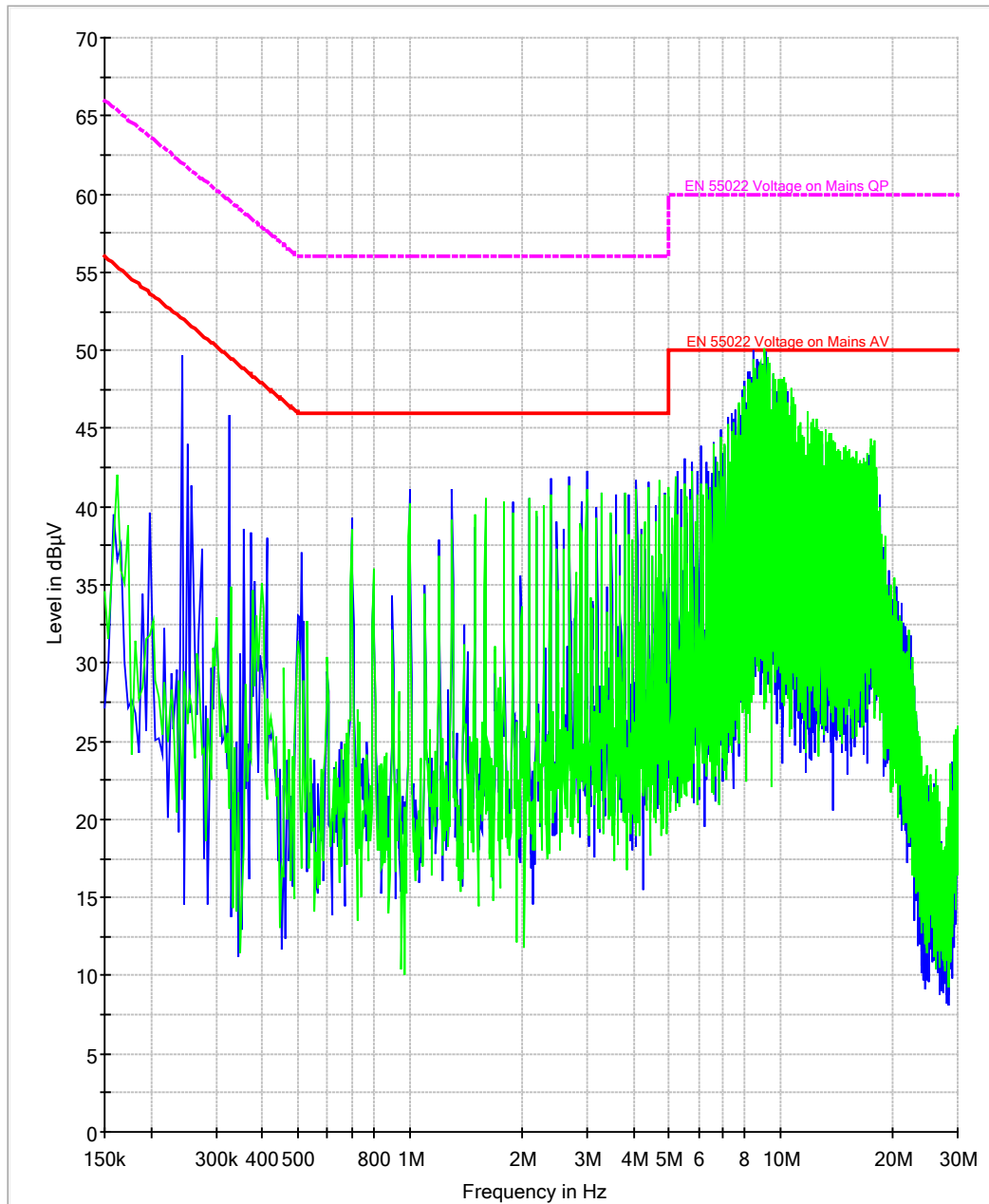
EXHIBIT 6I – Transient Frequency Behavior**6I-1** – 429.9875 MHz, 12.5 kHz Channel Spacing Key-Up Attack Time**6I-2** – 429.9875 MHz, 12.5 kHz Channel Spacing De-Key Decay Time



6I-3 – 429.9875 MHz, 25 kHz Channel Spacing Key-Up Attack Time



6I-4 – 429.9875 MHz, 25 kHz Channel Spacing De-Key Decay Time

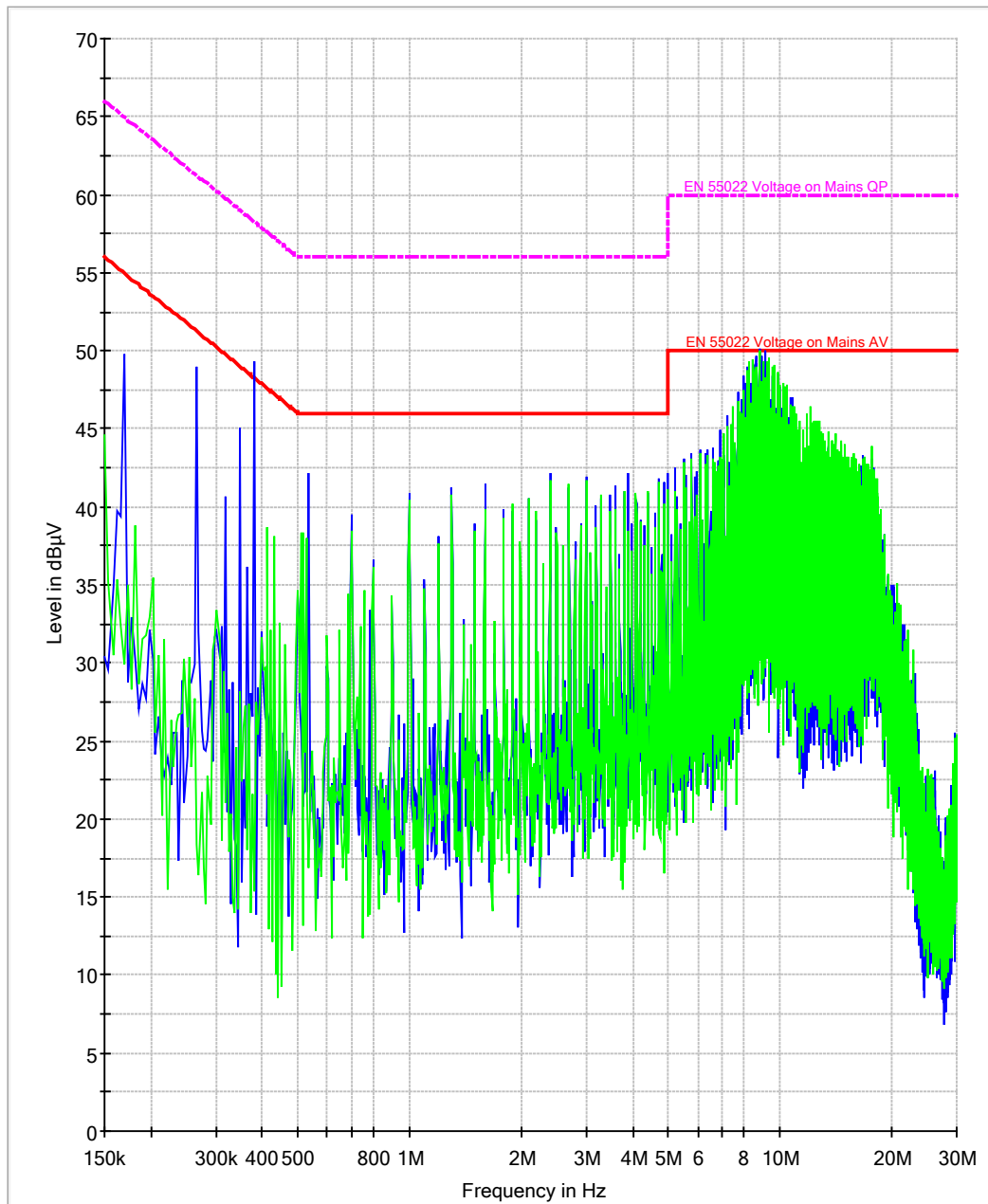
EXHIBIT 6L – Transmit Power Line Conducted Spurious Emissions**6L-1 – EMI Conducted Scan Tx at 403.0125MHz**

Result Table_Single TX – 403.0125 MHz

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Bandwidth (Hz)	PE	Line
0.242000	46.4	21.3	9000.000	FLO	L1
0.326000	45.2	10.7	9000.000	FLO	L1
2.694000	29.5	15.3	9000.000	FLO	L1
2.994000	30.6	16.3	9000.000	FLO	L1
8.478000	37.3	21.9	9000.000	FLO	L1
9.078000	34.8	20.9	9000.000	FLO	L1
0.242000	38.9	8.6	9000.000	FLO	N
0.326000	41.3	12.9	9000.000	FLO	N
2.694000	29.4	15.4	9000.000	FLO	N
2.994000	30.4	15.9	9000.000	FLO	N
8.478000	37.6	22.4	9000.000	FLO	N
9.078000	34.9	20.5	9000.000	FLO	N

Limits TX – 403.0125 MHz

Frequency							
<= 500kHz	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
242000	46.40	63.36	16.96	21.30	53.36	32.06	L1
326000	45.20	60.94	15.74	10.70	50.94	40.24	L1
242000	38.90	63.36	24.46	8.60	53.36	44.76	N
326000	41.30	60.94	19.64	12.90	50.94	38.04	N
500kHz - 5MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
2694000	29.50	56.00	26.50	15.30	46.00	30.70	L1
2994000	30.60	56.00	25.40	16.30	46.00	29.70	L1
2694000	29.40	56.00	26.60	15.40	46.00	30.60	N
2994000	30.40	56.00	25.60	15.90	46.00	30.10	N
5MHz - 30MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
8478000	37.3000	60.0000	22.7000	21.9000	50.0000	28.1000	L1
9078000	34.8000	60.0000	25.2000	20.9000	50.0000	29.1000	L1
8478000	37.6000	60.0000	22.4000	22.4000	50.0000	27.6000	N
9078000	34.9000	60.0000	25.1000	20.5000	50.0000	29.5000	N



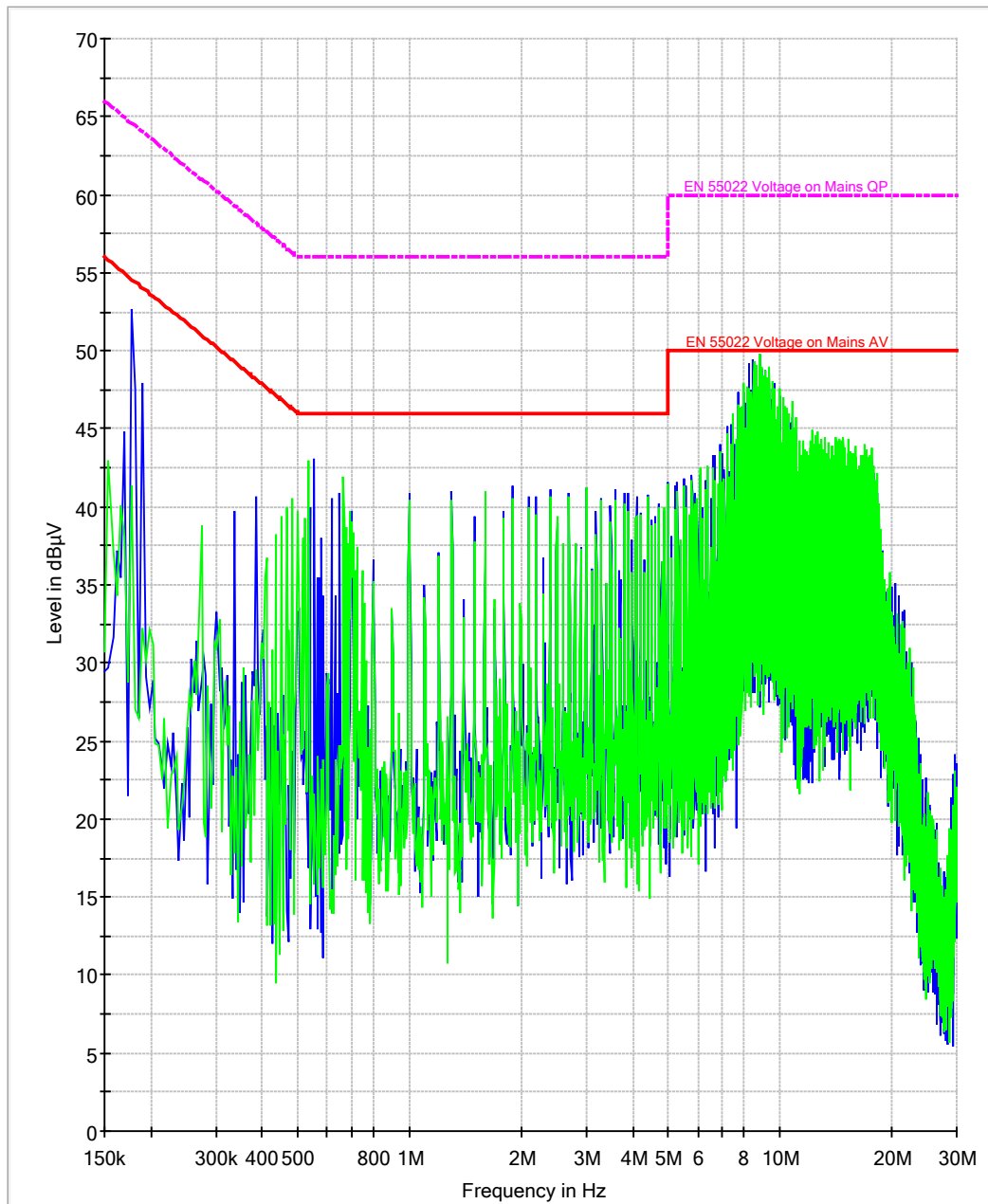
6L-2 – EMI Conducted Scan Tx at 406.1125MHz

Result Table_Single TX – 406.1125 MHz

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Bandwidth (Hz)	PE	Line
0.266000	46.1	15.8	9000.000	FLO	L1
0.382000	42.4	13.3	9000.000	FLO	L1
2.394000	30.5	15.7	9000.000	FLO	L1
3.894000	33.1	16.8	9000.000	FLO	L1
8.778000	36.8	21.9	9000.000	FLO	L1
9.082000	34.5	19.5	9000.000	FLO	L1
0.266000	40.4	12.5	9000.000	FLO	N
0.382000	36.4	9.2	9000.000	FLO	N
2.394000	30.3	15.4	9000.000	FLO	N
3.894000	30.5	16.0	9000.000	FLO	N
8.778000	36.7	22.6	9000.000	FLO	N
9.082000	35.2	19.4	9000.000	FLO	N

Limits TX – 406.1125 MHz

Frequency							
<= 500kHz	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
266000	46.10	62.67	16.57	15.80	52.67	36.87	L1
382000	42.40	59.33	16.93	13.30	49.33	36.03	L1
266000	40.40	62.67	22.27	12.50	52.67	40.17	N
382000	36.40	59.33	22.93	9.20	49.33	40.13	N
500kHz - 5MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
2394000	30.50	56.00	25.50	15.70	46.00	30.30	L1
3894000	33.10	56.00	22.90	16.80	46.00	29.20	L1
2394000	30.30	56.00	25.70	15.40	46.00	30.60	N
3894000	30.50	56.00	25.50	16.00	46.00	30.00	N
5MHz - 30MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
8778000	36.8000	60.0000	23.2000	21.9000	50.0000	28.1000	L1
9082000	34.5000	60.0000	25.5000	19.5000	50.0000	30.5000	L1
8778000	36.7000	60.0000	23.3000	22.6000	50.0000	27.4000	N
9082000	35.2000	60.0000	24.8000	19.4000	50.0000	30.6000	N



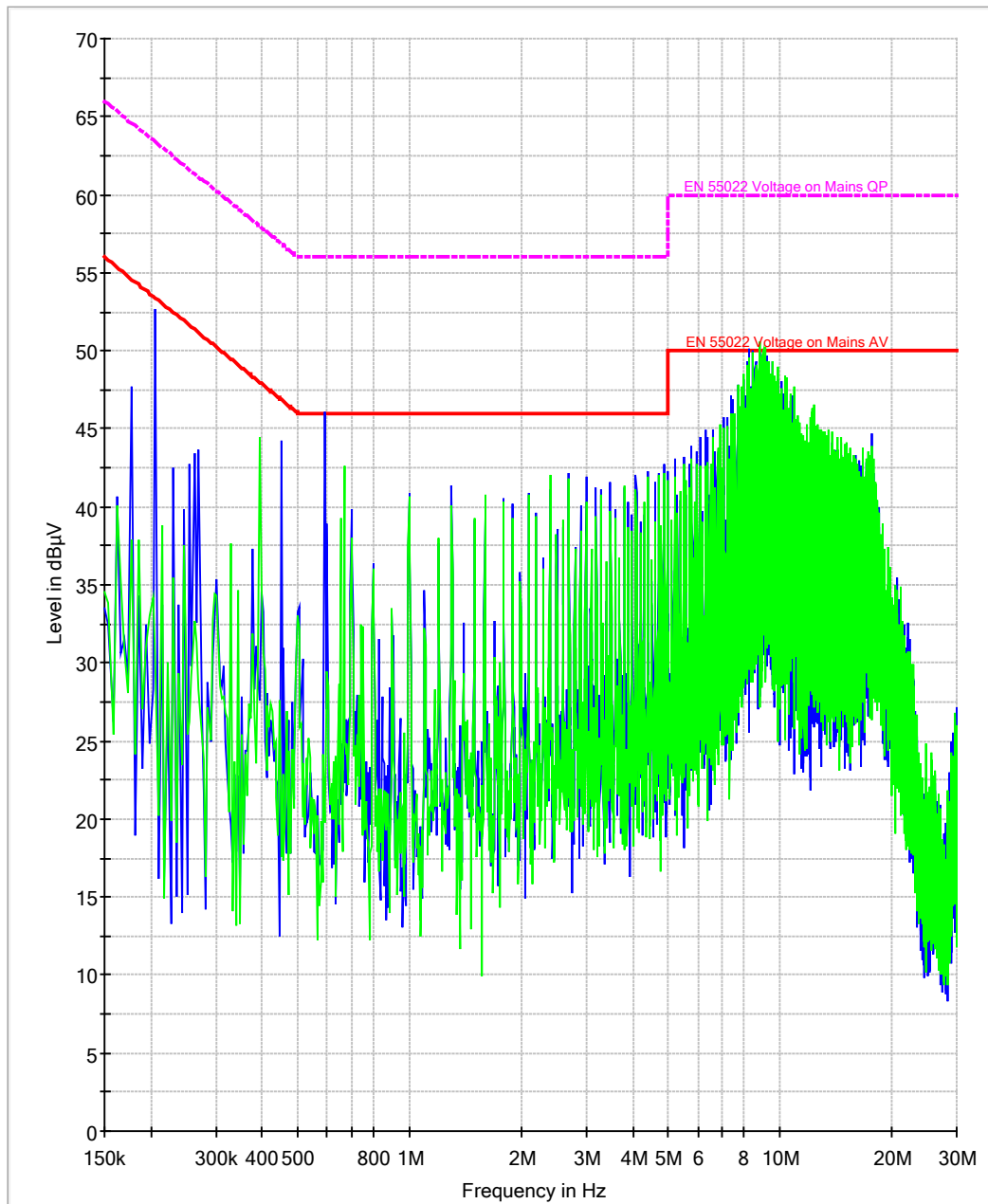
6L-3 – EMI Conducted Scan Tx at 429.9875MHz

Result Table_Single TX – 429.9875 MHz

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Bandwidth (Hz)	PE	Line
0.178000	48.5	22.8	9000.000	FLO	L1
0.534000	36.1	6.1	9000.000	FLO	L1
0.554000	35.0	9.2	9000.000	FLO	L1
0.662000	28.3	6.6	9000.000	FLO	L1
8.482000	38.0	22.9	9000.000	FLO	L1
8.786000	36.6	22.4	9000.000	FLO	L1
0.178000	36.7	19.5	9000.000	FLO	N
0.534000	33.3	7.3	9000.000	FLO	N
0.554000	32.9	10.9	9000.000	FLO	N
0.662000	25.1	7.0	9000.000	FLO	N
8.482000	38.3	22.9	9000.000	FLO	N
8.786000	36.5	21.9	9000.000	FLO	N

Limits TX – 429.9875 MHz

Frequency							
<= 500kHz	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
178000	48.50	65.20	16.70	22.80	55.20	32.40	L1
178000	36.70	65.20	28.50	19.50	55.20	35.70	N
500kHz - 5MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
534000	36.10	56.00	19.90	6.10	46.00	39.90	L1
554000	35.00	56.00	21.00	9.20	46.00	36.80	L1
662000	28.30	56.00	27.70	6.60	46.00	39.40	L1
534000	33.30	56.00	22.70	7.30	46.00	38.70	N
554000	32.90	56.00	23.10	10.90	46.00	35.10	N
662000	25.10	56.00	30.90	7.00	46.00	39.00	N
5MHz - 30MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
8482000	38.0000	60.0000	22.0000	22.9000	50.0000	27.1000	L1
8786000	36.6000	60.0000	23.4000	22.4000	50.0000	27.6000	L1
8482000	38.3000	60.0000	21.7000	22.9000	50.0000	27.1000	N
8786000	36.5000	60.0000	23.5000	21.9000	50.0000	28.1000	N

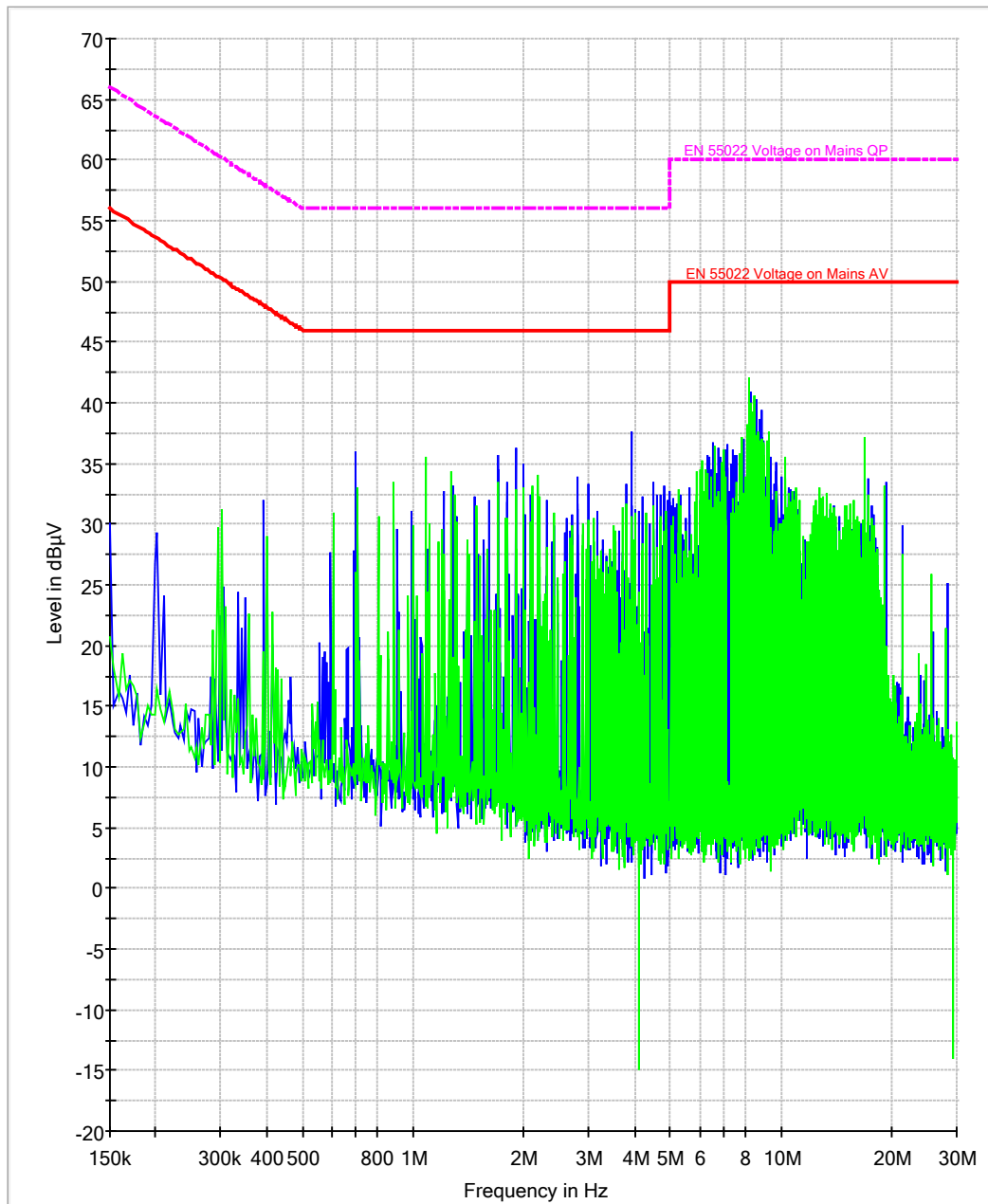
**6L-4** – EMI Conducted Scan Tx at 469.9875MHz

Result Table_Single TX – 469.9875 MHz

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Bandwidth (Hz)	PE	Line
0.206000	47.7	19.9	9000.000	FLO	L1
0.394000	38.9	21.4	9000.000	FLO	L1
0.450000	39.2	11.4	9000.000	FLO	L1
0.590000	33.1	13.9	9000.000	FLO	L1
8.282000	38.0	22.2	9000.000	FLO	L1
8.778000	37.4	22.0	9000.000	FLO	L1
0.206000	49.0	20.1	9000.000	FLO	N
0.394000	37.0	19.5	9000.000	FLO	N
0.450000	36.4	13.6	9000.000	FLO	N
0.590000	30.0	11.6	9000.000	FLO	N
8.282000	38.1	22.6	9000.000	FLO	N
8.778000	37.3	22.6	9000.000	FLO	N

Limits TX – 469.9875 MHz

Frequency							
<= 500kHz	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
206000	47.70	64.39	16.69	19.90	54.39	34.49	L1
394000	38.90	58.99	20.09	21.40	48.99	27.59	L1
450000	39.20	57.38	18.18	11.40	47.38	35.98	L1
206000	49.00	64.39	15.39	20.10	54.39	34.29	N
394000	37.00	58.99	21.99	19.50	48.99	29.49	N
450000	36.40	57.38	20.98	13.60	47.38	33.78	N
500kHz - 5MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
590000	33.10	56.00	22.90	13.90	46.00	32.10	L1
590000	30.00	56.00	26.00	11.60	46.00	34.40	N
5MHz - 30MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
8282000	38.0000	60.0000	22.0000	22.2000	50.0000	27.8000	L1
8778000	37.4000	60.0000	22.6000	22.0000	50.0000	28.0000	L1
8282000	38.1000	60.0000	21.9000	22.6000	50.0000	27.4000	N
8778000	37.3000	60.0000	22.7000	22.6000	50.0000	27.4000	N



6L-5 – EMI Conducted Scan Radio Off

Result Table_Single Radio Off

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Bandwidth (Hz)	PE	Line
0.698000	28.7	9.4	9000.000	FLO	L1
1.698000	28.1	6.5	9000.000	FLO	L1
1.898000	33.1	6.6	9000.000	FLO	L1
3.906000	24.2	2.9	9000.000	FLO	L1
8.206000	35.3	8.1	9000.000	FLO	L1
8.310000	27.8	6.4	9000.000	FLO	L1
0.698000	31.1	9.4	9000.000	FLO	N
1.698000	29.7	6.5	9000.000	FLO	N
1.898000	27.3	5.4	9000.000	FLO	N
3.906000	21.9	3.0	9000.000	FLO	N
8.206000	27.4	5.8	9000.000	FLO	N
8.310000	26.1	8.5	9000.000	FLO	N

Limits Radio Off

Frequency							
500kHz - 5MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
698000	28.70	56.00	27.30	9.40	46.00	36.60	L1
1698000	28.10	56.00	27.90	6.50	46.00	39.50	L1
1898000	33.10	56.00	22.90	6.60	46.00	39.40	L1
3906000	24.20	56.00	31.80	2.90	46.00	43.10	L1
698000	31.10	56.00	24.90	9.40	46.00	36.60	N
1698000	29.70	56.00	26.30	6.50	46.00	39.50	N
1898000	27.30	56.00	28.70	5.40	46.00	40.60	N
3906000	21.90	56.00	34.10	3.00	46.00	43.00	N
5MHz - 30MHz	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
8206000	35.3000	60.0000	24.8000	8.1000	50.0000	41.9000	L1
8310000	27.8000	60.0000	32.2000	6.4000	50.0000	43.6000	L1
8206000	27.4000	60.0000	32.6000	5.8000	50.0000	44.2000	N
8310000	26.1000	60.0000	33.9000	8.5000	50.0000	41.5000	N