

EXHIBIT 6**INDEX OF SUBMITTED MEASURED DATA**

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

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- 6B-2 – 467.775 MHz, 25 kHz Channel Spacing

EXHIBIT 6C - Transmit Audio Low pass Filter Response

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EXHIBIT 6D - Modulation Limiting Characteristics

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- 6E-12: 469.9875 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D
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- 6E-16: 450.65 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, Mask 74.462(c)
- 6E-17: 459.125 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, FCC Part 22 Limit
- 6E-18: 467.775 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, Mask 80.211(f)
- 6E-19: 469.9875 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Not for FCC Review)
- 6E-20: 467.775 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask 80.211(c)

EXHIBIT 6F - Conducted Spurious Emissions

- 6F-1 – 30 Watts, 406.2 MHz, 25 kHz Channel Spacing (Not for FCC Review)
- 6F-2 – 30 Watts, 450.025 MHz, 25 kHz Channel Spacing
- 6F-3 – 30 Watts, 459.125 MHz, 25 kHz Channel Spacing
- 6F-4 – 30 Watts, 467.775 MHz, 25 kHz Channel Spacing
- 6F-5 – 1 Watts, 450.025 MHz, 25 kHz Channel Spacing
- 6F-6 – 1 Watts, 467.775 MHz, 25 kHz Channel Spacing
- 6F-7 – 30 Watts, 406.2 MHz, Digital 12.5 kHz Channel Spacing
- 6F-8 – 30 Watts, 450.025 MHz, Digital 12.5 kHz Channel Spacing
- 6F-9 – 30 Watts, 459.125 MHz, Digital 12.5 kHz Channel Spacing
- 6F-10 – 30 Watts, 467.775 MHz, Digital 12.5 kHz Channel Spacing
- 6F-11 – 1 Watts, 450.025 MHz, Digital 12.5 kHz Channel Spacing
- 6F-12 – 1 Watts, 467.775 MHz, Digital 12.5 kHz Channel Spacing

EXHIBIT 6G – Radiated Spurious Emissions

- 6G-1 – 30 Watts, 406.2 MHz, 12.5 kHz Channel Spacing
- 6G-2 – 30 Watts, 450.65 MHz, 12.5 kHz Channel Spacing
- 6G-3 – 30 Watts, 459.125 MHz, 12.5 kHz Channel Spacing
- 6G-4 – 30 Watts, 467.775 MHz, 12.5 kHz Channel Spacing
- 6G-5 – 1 Watts, 450.65 MHz, 12.5 kHz Channel Spacing
- 6G-6 – 1 Watts, 467.775 MHz, 12.5 kHz Channel Spacing
- 6G-7 – 30 Watts, 406.2 MHz, 25 kHz Channel Spacing (Not for FCC Review)
- 6G-8 – 30 Watts, 450.65 MHz, 25 kHz Channel Spacing
- 6G-9 – 30 Watts, 459.125 MHz, 25 kHz Channel Spacing
- 6G-10 – 30 Watts, 467.775 MHz, 25 kHz Channel Spacing
- 6G-11 – 1 Watts, 450.65 MHz, 25 kHz Channel Spacing
- 6G-12 – 1 Watts, 467.775 MHz, 25 kHz Channel Spacing

EXHIBIT 6H – Frequency Stability

- 6H-1 – 467.775 MHz Frequency Stability vs. Temperature
- 6H-2 – 467.775 MHz Frequency Stability vs. Voltage

EXHIBIT 6I – Transient Frequency Behavior

- 6I-1 – 467.775 MHz, 12.5 kHz Channel Spacing Key-Up Attack Time
- 6I-2 – 467.775 MHz, 12.5 kHz Channel Spacing De-Key Decay Time
- 6I-3 – 467.775MHz, 25 kHz Channel Spacing Key-Up Attack Time
- 6I-4 – 467.775MHz, 25 kHz Channel Spacing De-Key Decay Time

**** 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 October 2015. See Table 2 in Ex07_test_procedures**

Radio model tested: AAM28QNN9RA1AN

Important Note: The data in this test report meets or exceeds the technical requirements of FCC Rule Parts 22, 74, 80 and 90.

EXHIBIT 6A – RF POWER OUTPUT**HIGH POWER SETTING, FREQUENCY 406.2 MHz**

Measured RF Output Power:	29.5 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	5.03 Amperes

LOW POWER SETTING, FREQUENCY 406.2 MHz

Measured RF Output Power:	0.96 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	1.53 Amperes

HIGH POWER SETTING, FREQUENCY 450.65 MHz

Measured RF Output Power:	29.9 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	5.0 Amperes

LOW POWER SETTING, FREQUENCY 450.65 MHz

Measured RF Output Power:	0.97 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	1.61 Amperes

HIGH POWER SETTING, FREQUENCY 459.125 MHz

Measured RF Output Power:	29.8 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	5.57 Amperes

LOW POWER SETTING, FREQUENCY 459.65 MHz

Measured RF Output Power:	0.97 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	1.63 Amperes

HIGH POWER SETTING, FREQUENCY 467.775 MHz

Measured RF Output Power:	29.9 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	5.4 Amperes

LOW POWER SETTING, FREQUENCY 467.775 MHz

Measured RF Output Power:	0.97 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	1.62 Amperes

HIGH POWER SETTING, FREQUENCY 469.9875 MHz

Measured RF Output Power:	29.6 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	5.32 Amperes

LOW POWER SETTING, FREQUENCY 469.9875 MHz

Measured RF Output Power:	0.98 Watts
Measured DC Voltage:	13.2 Volts
Measured DC Input Current:	1.61 Amperes

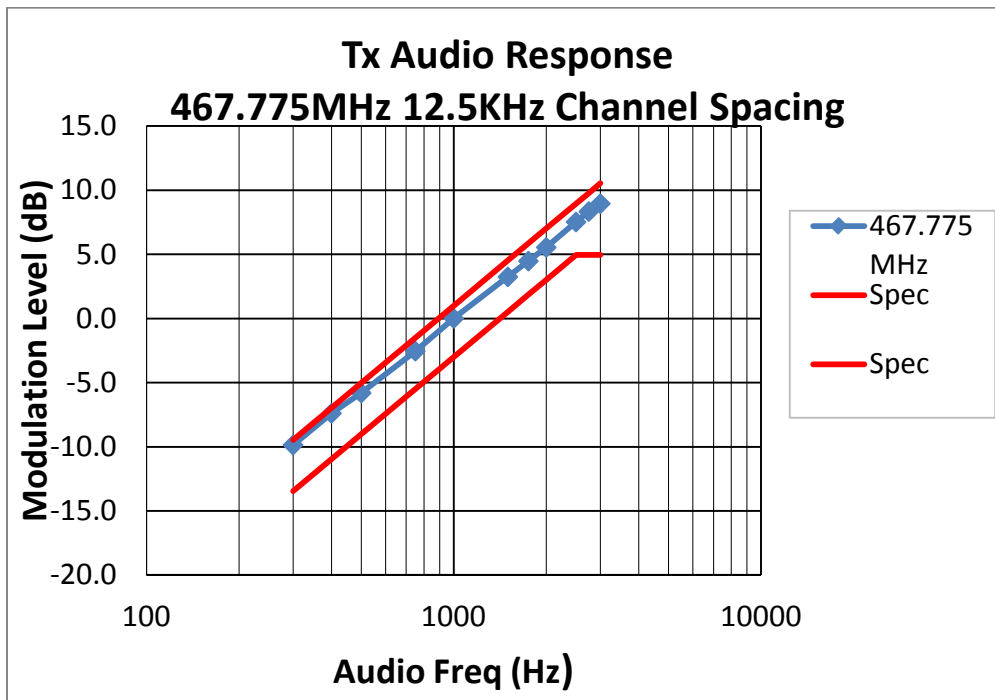
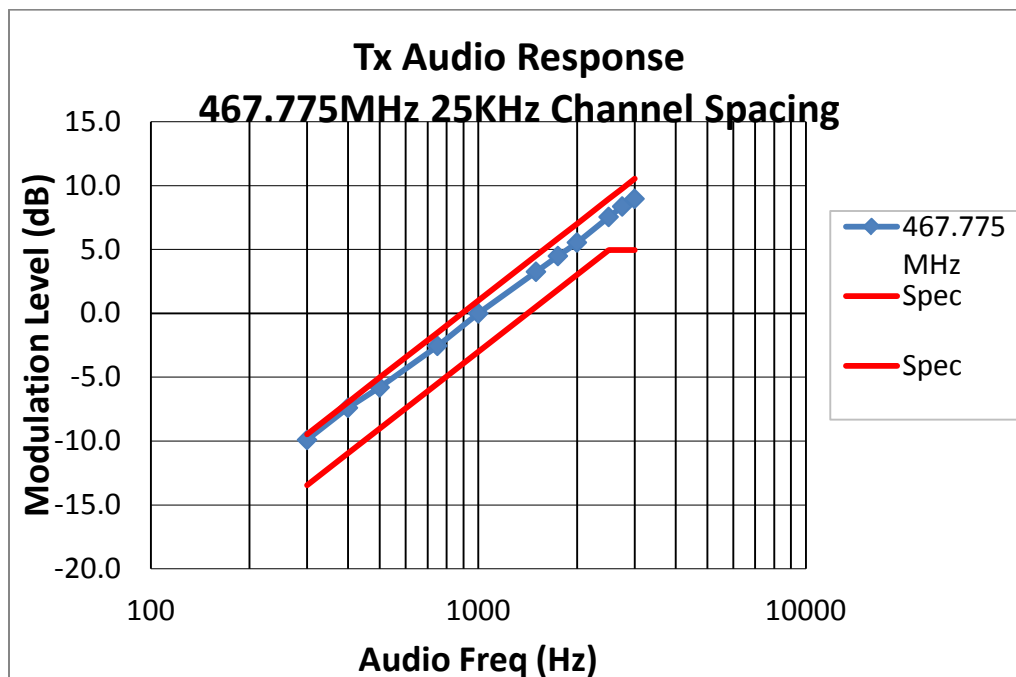
EXHIBIT 6B – Transmit Audio Response**Figure 6B-1:** 467.775 MHz, 12.5 kHz Channel Spacing, Transmit Audio Frequency Response**Figure 6B-2:** 467.775 MHz, 25 kHz Channel Spacing, Transmit Audio Frequency Response

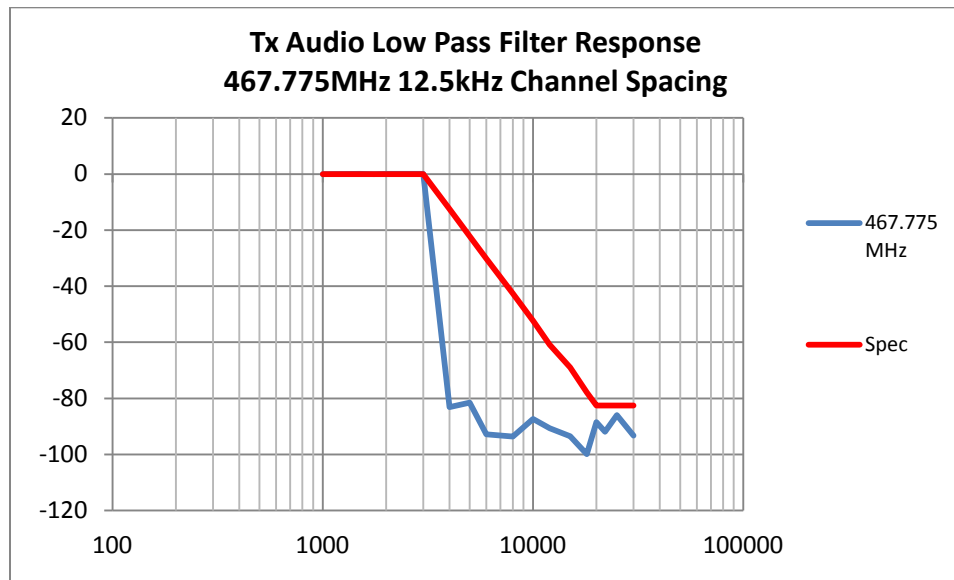
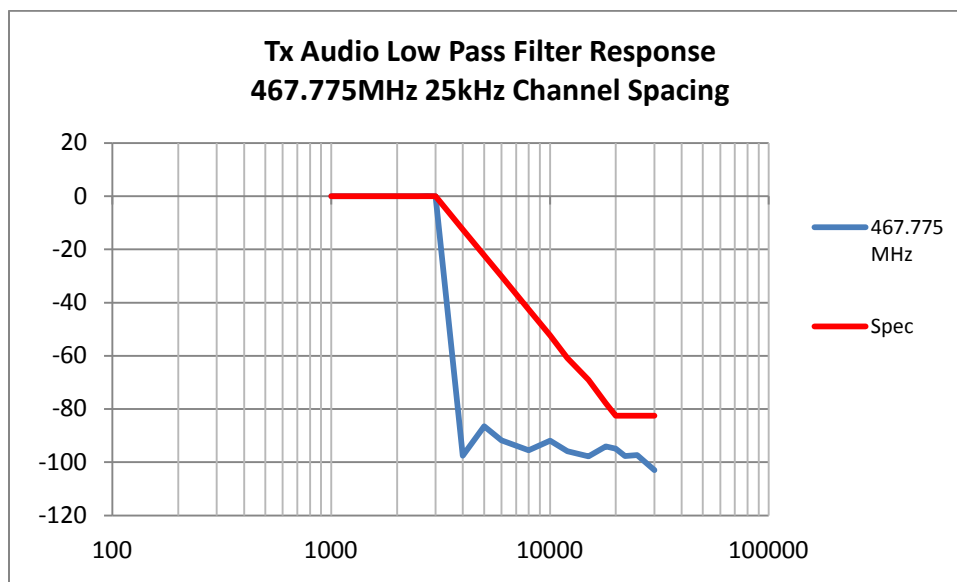
EXHIBIT 6C – Transmit Audio Post Limiter Low Pass Filter Response**Figure 6C-1:** 467.775 MHz, 12.5 kHz Channel Spacing, Transmit Audio Low Pass Filter Response**Figure 6C-2:** 467.775 MHz, 25 kHz Channel Spacing, Transmit Audio Low Pass Filter Response

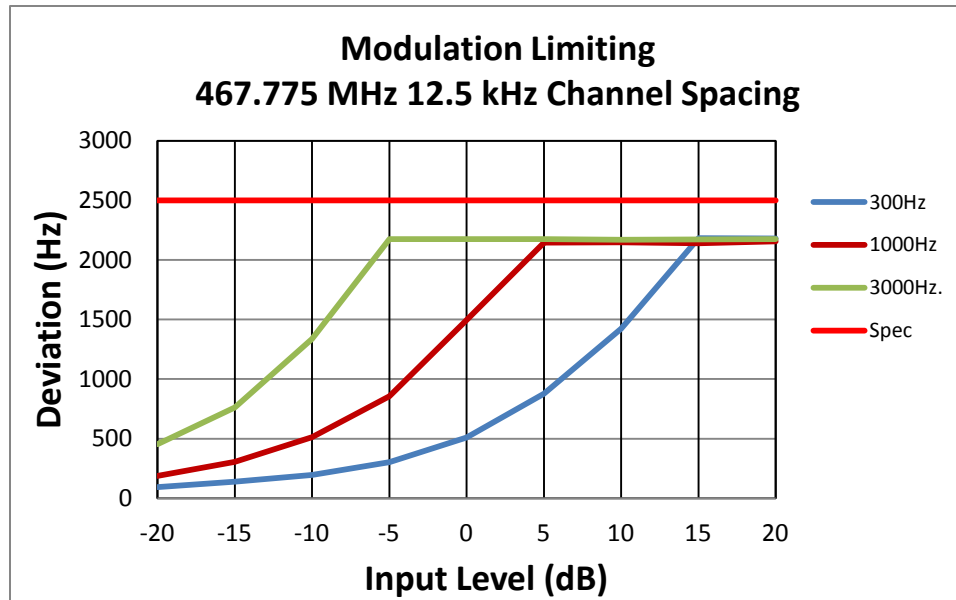
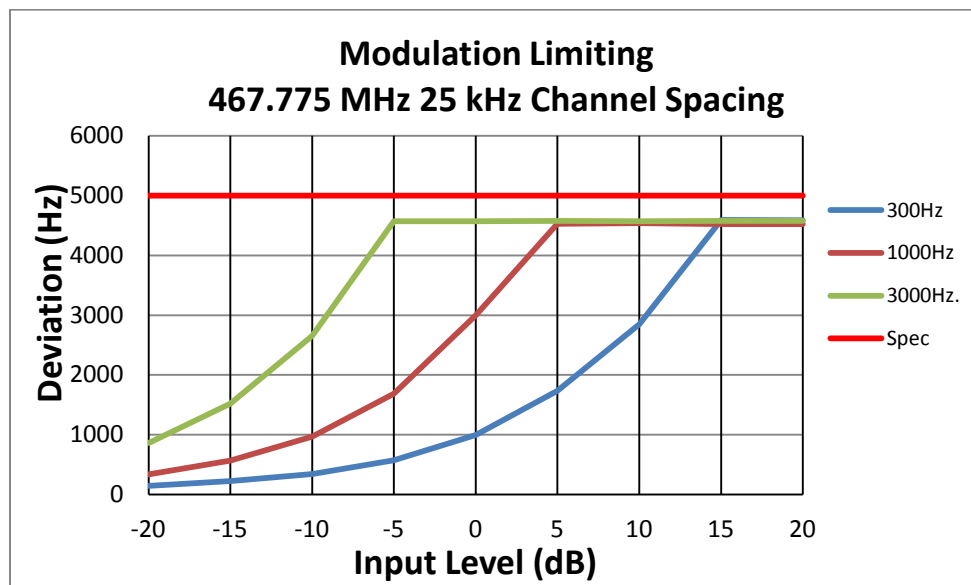
EXHIBIT 6D – Modulation Limiting Characteristic**Figure 6D-1:** 467.775 MHz, 12.5 KHz Channel Spacing, Modulation Limiting**Figure 6D-2:** 467.775 MHz, 25 KHz Channel Spacing, Modulation Limiting

EXHIBIT 6E – 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:

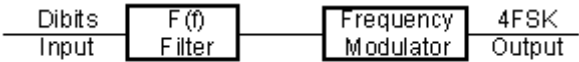
Information Bits		Symbol	4FSK Deviation
Bit 1	Bit 0		
0	1	+3	+1.944 kHz
0	0	+1	+0.648 kHz
1	0	-1	-0.648 kHz
1	1	-3	-1.944 kHz

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
 $|F(f)| = |\cos(\pi f / 1920)|$ 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)

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**.

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**.

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**.

OCCUPIED BANDWIDTH MEASUREMENT

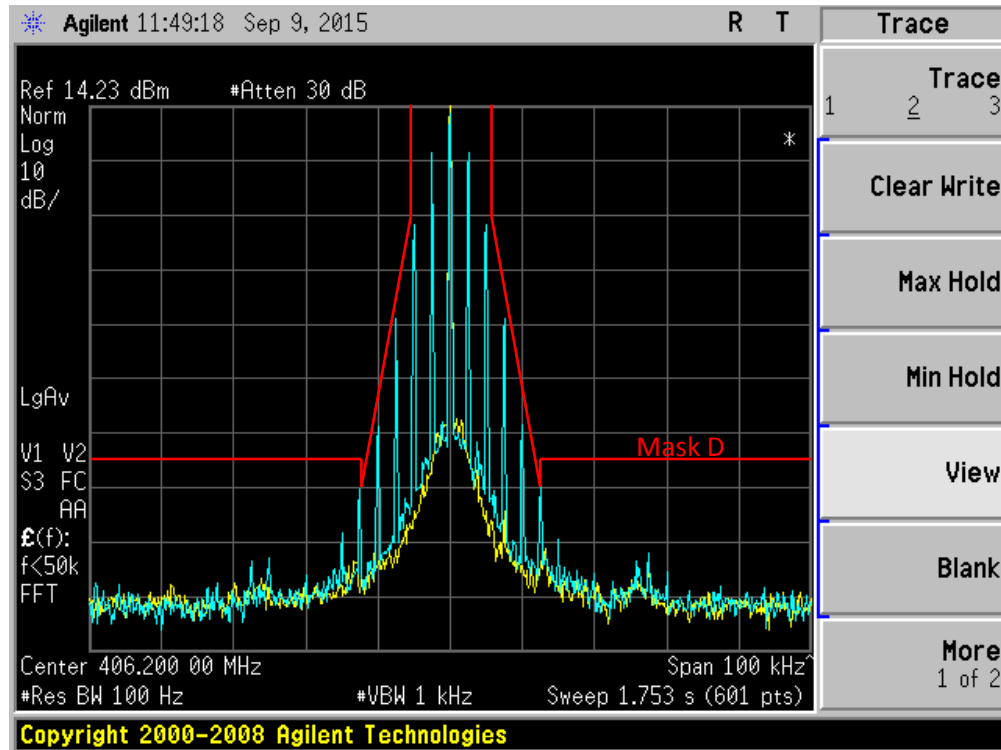


Figure 6E-1: 406.2 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D

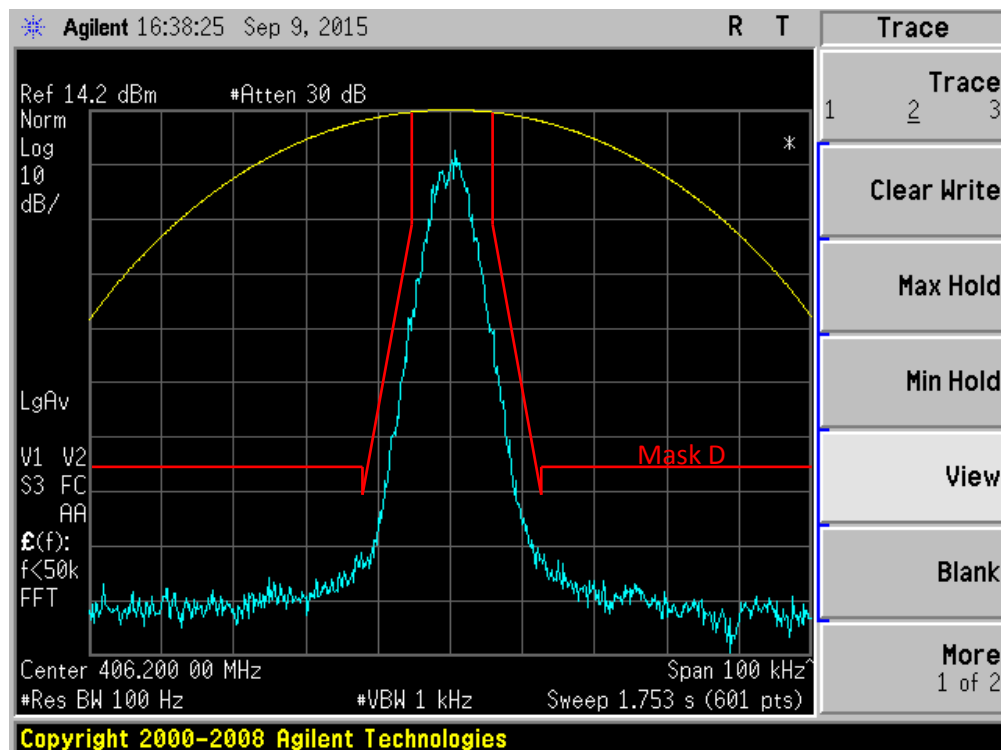


Figure 6E-2: 406.2 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D

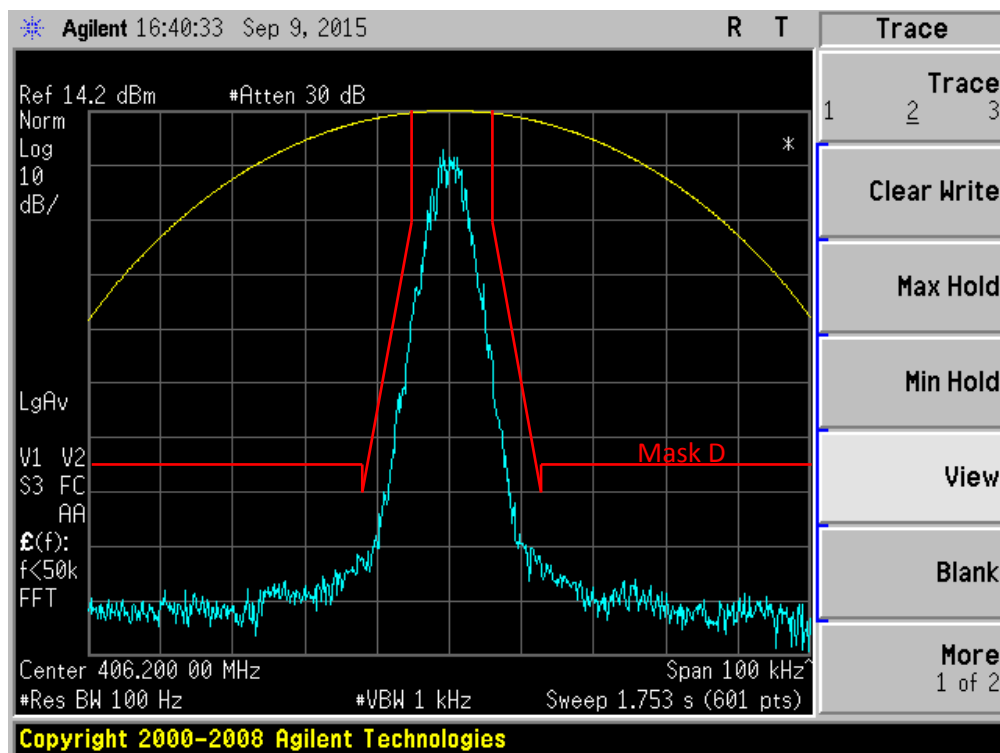


Figure 6E-3: 406.2 MHz, O.153 Test Pattern 4FSK Data Modulation only, 7K60F1D Mask D

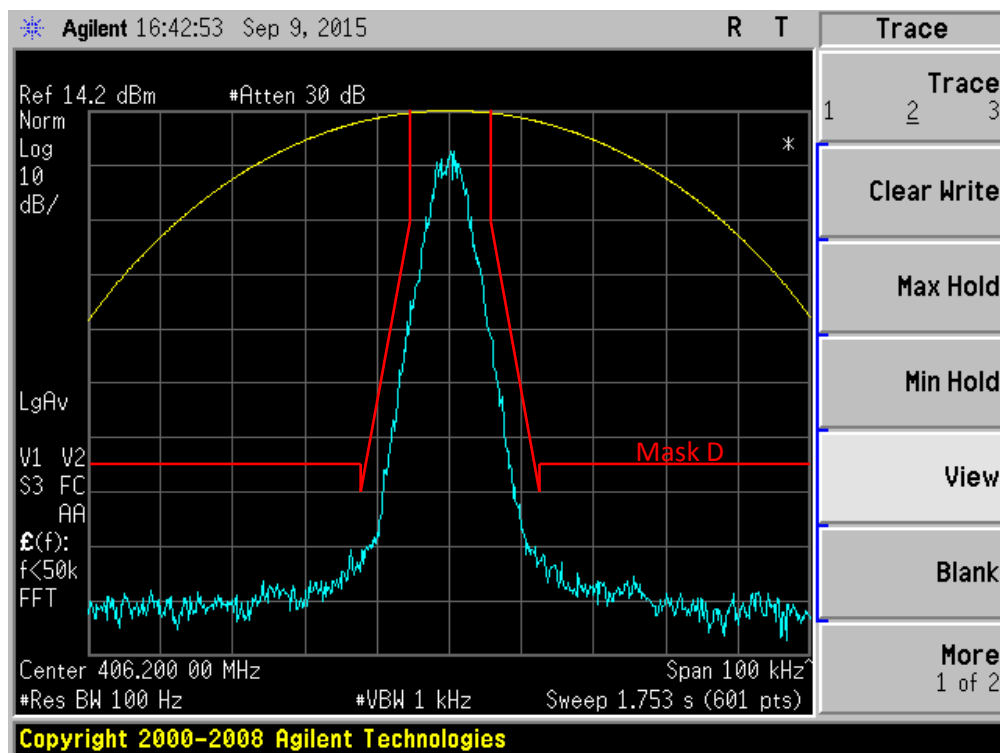


Figure 6E-4: 406.2 MHz, O.153 Test Pattern 4FSK Voice Modulation only, 7K60F1E Mask D

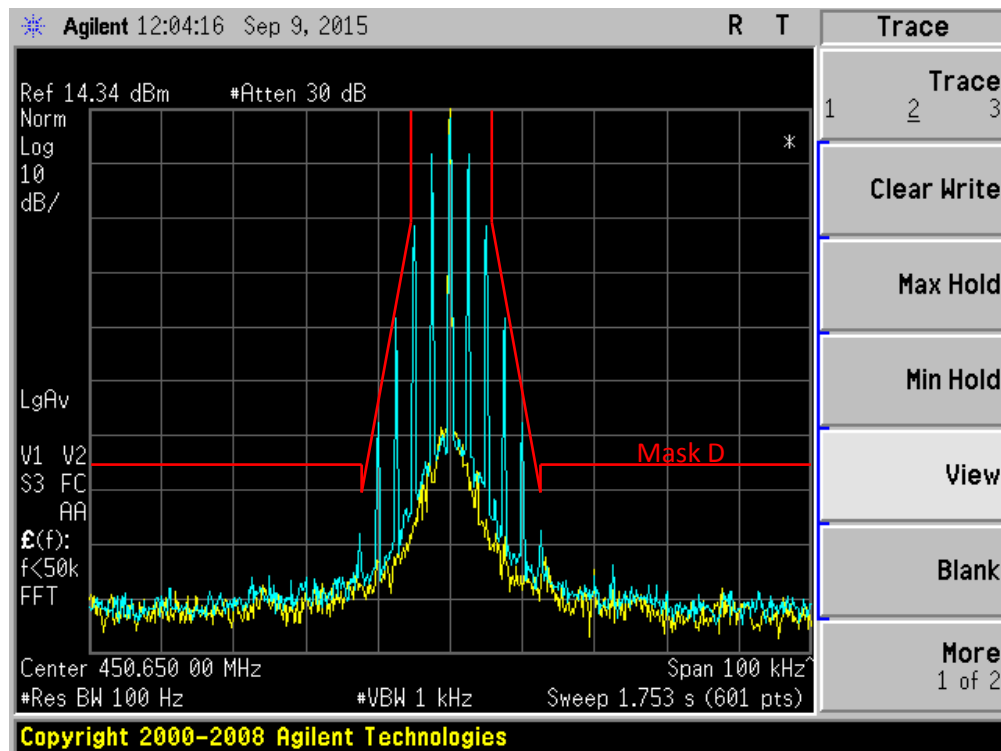


Figure 6E-5: 450.65 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D

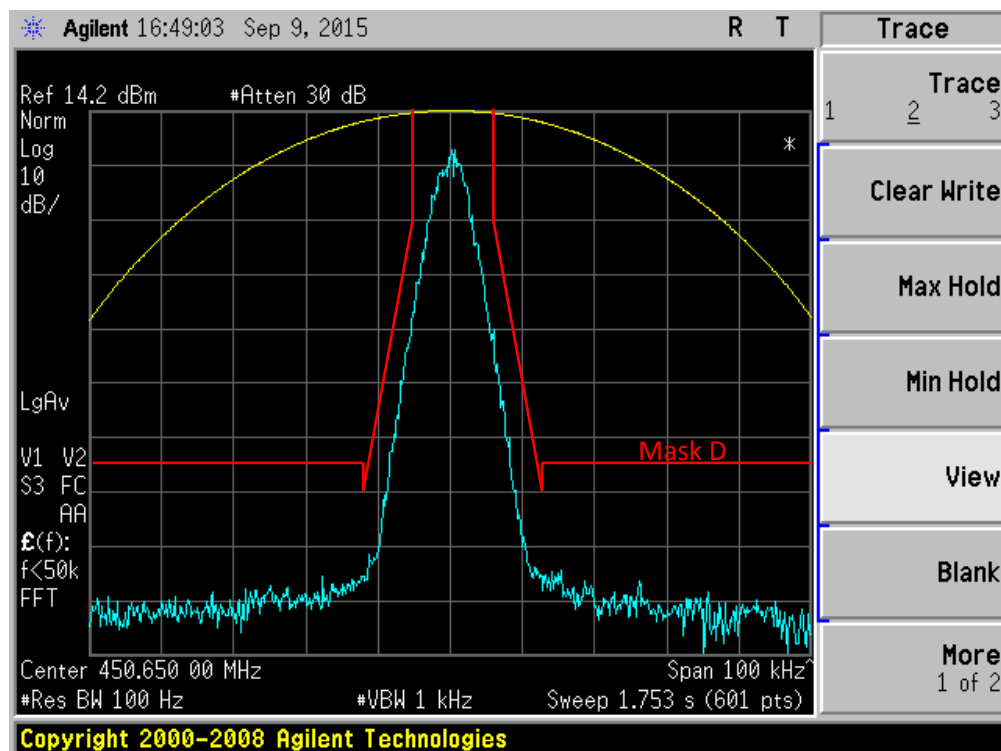


Figure 6E-6: 450.65 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D

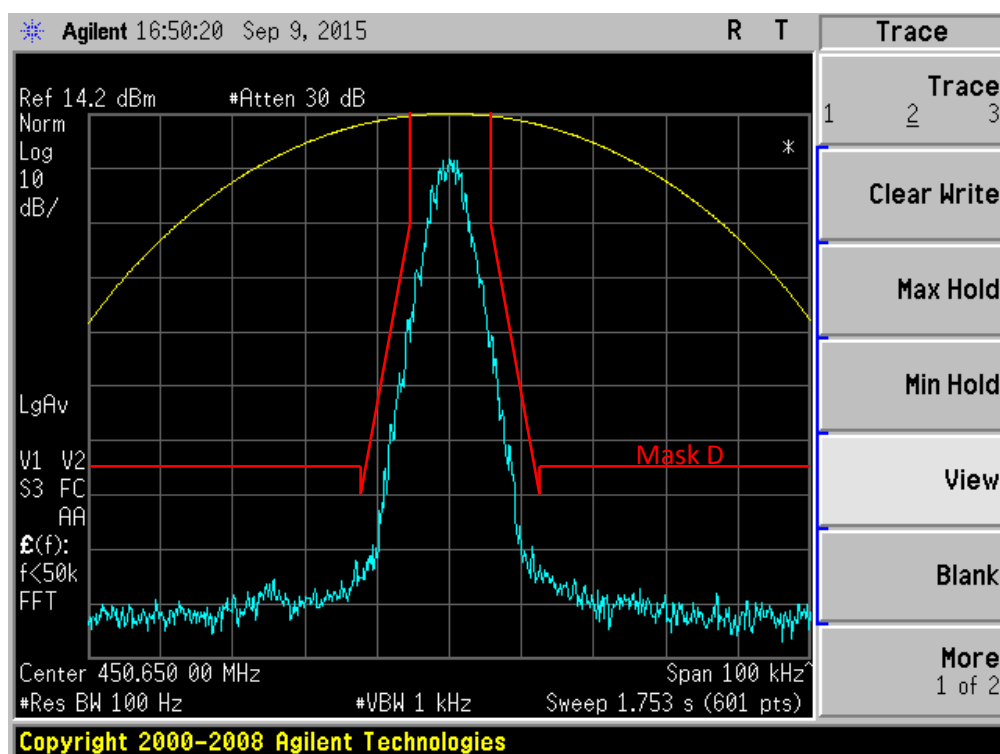


Figure 6E-7: 450.65 MHz, O.153 Test Pattern 4FSK Data Modulation only, 7K60F1D Mask D

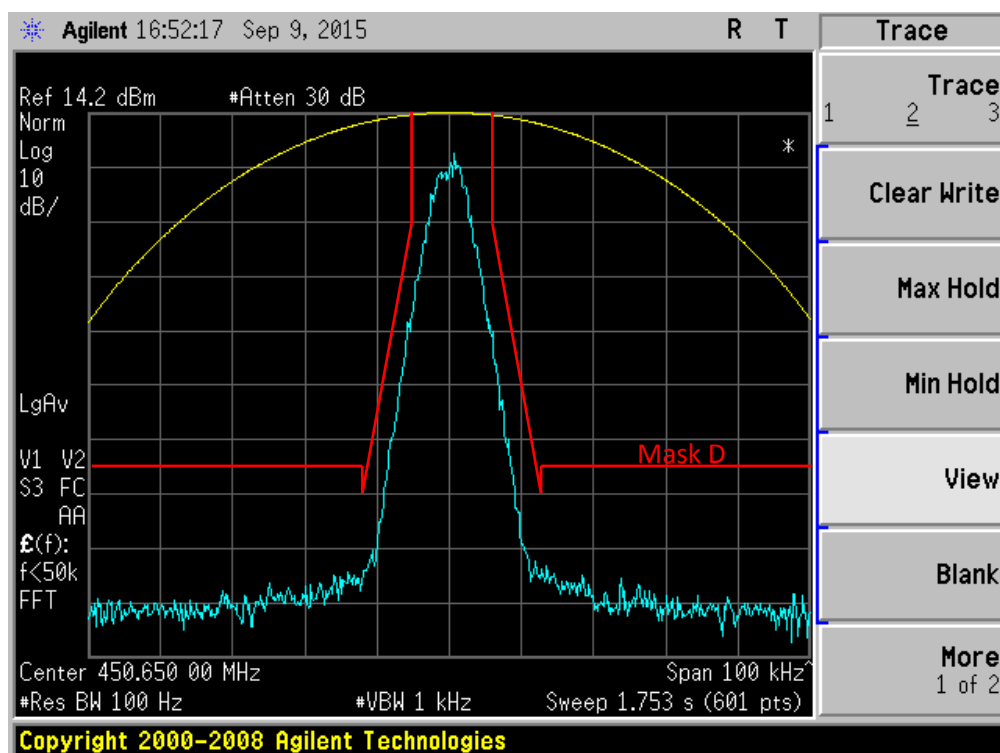


Figure 6E-8: 450.65 MHz, O.153 Test Pattern 4FSK Voice Modulation only, 7K60F1E Mask D

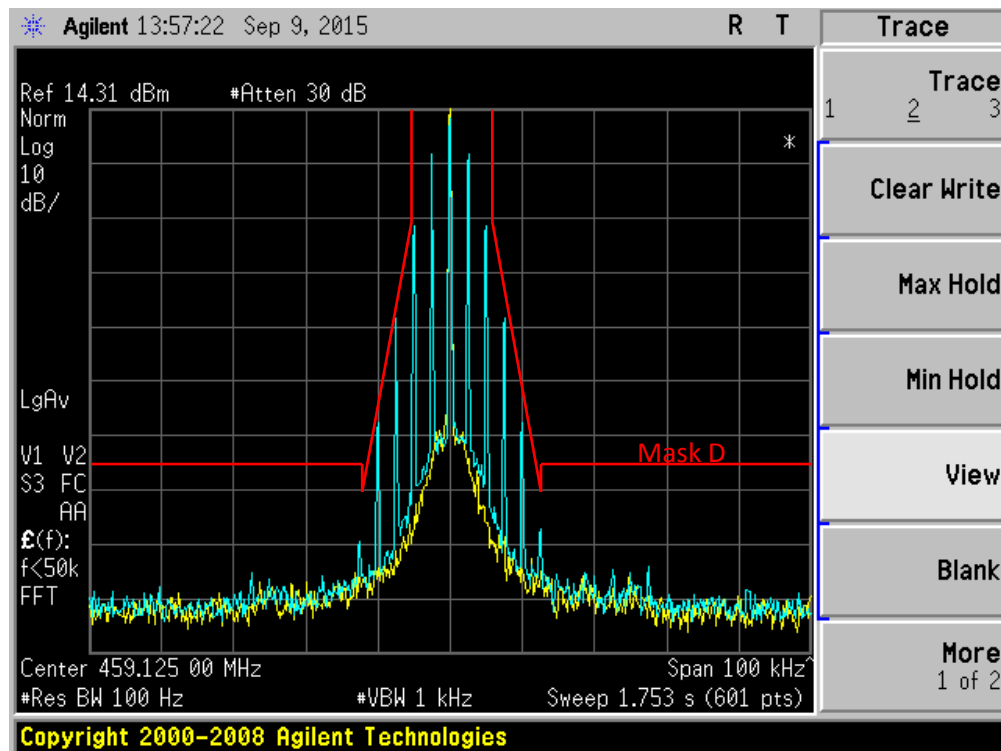


Figure 6E-9: 459.125 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D

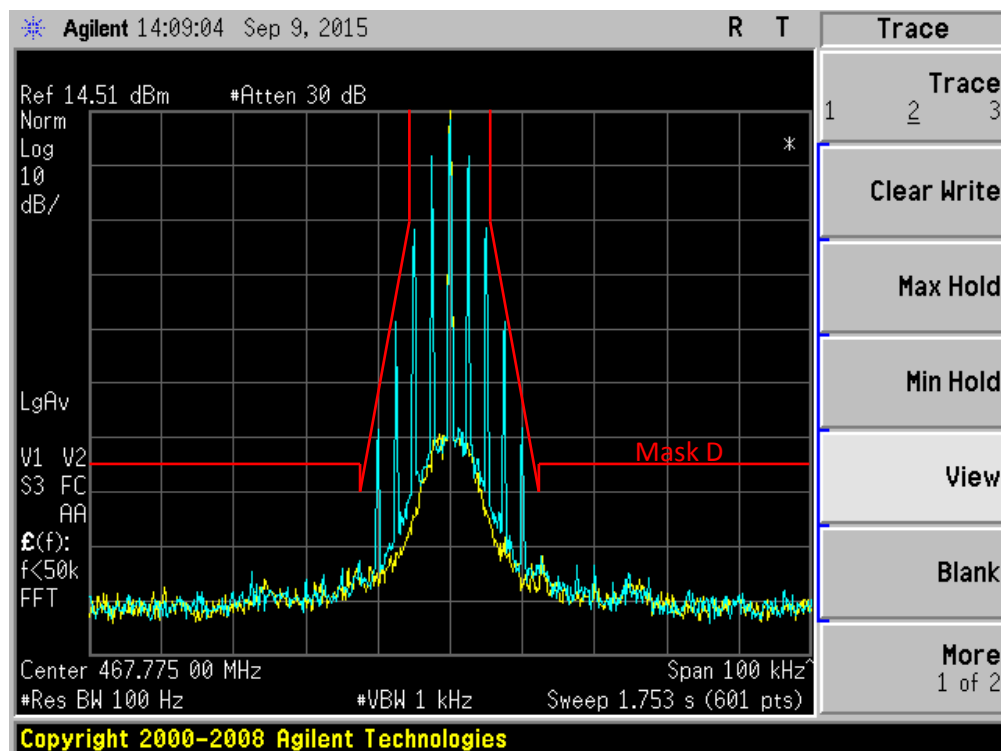


Figure 6E-10: 467.775 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D

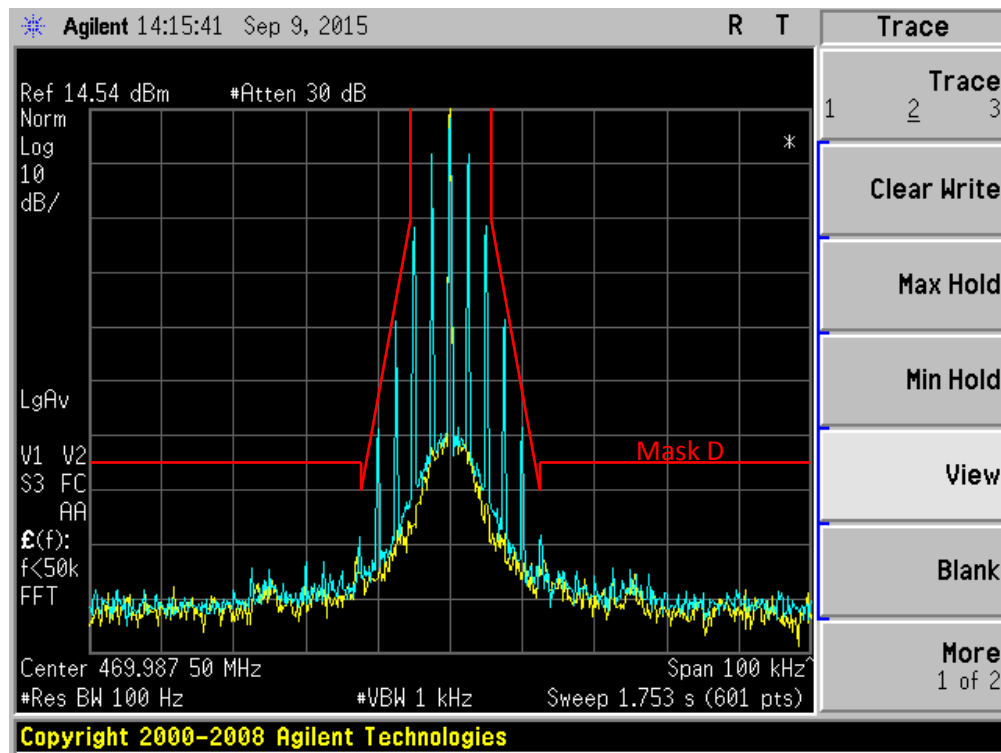


Figure 6E-11: 469.9875 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D

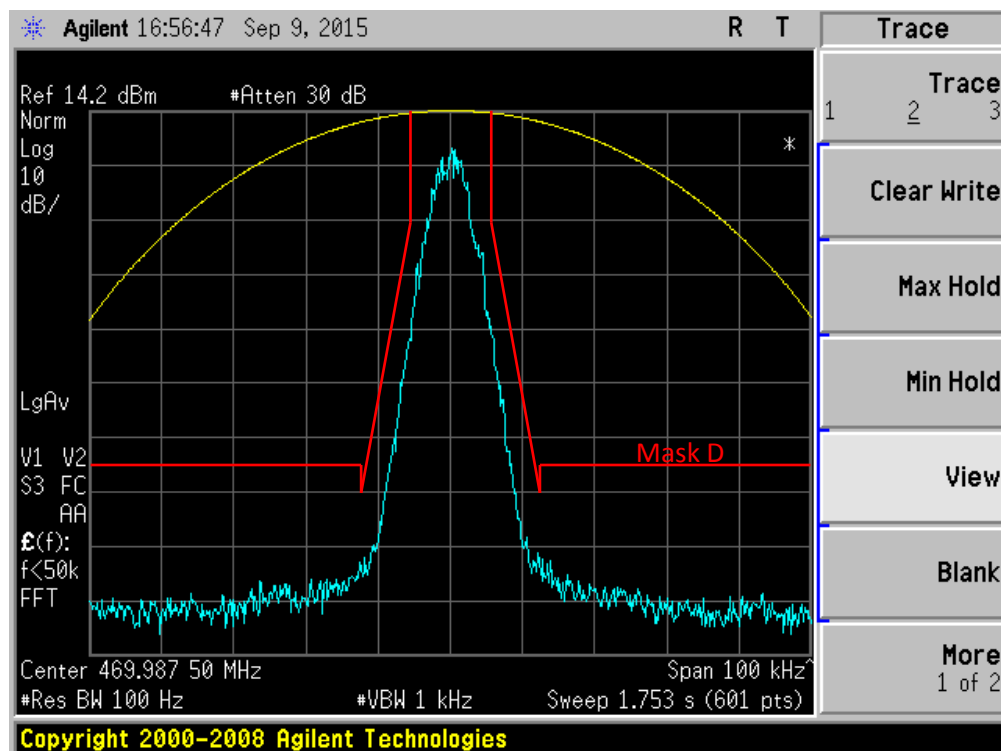


Figure 6E-12: 469.9875 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D

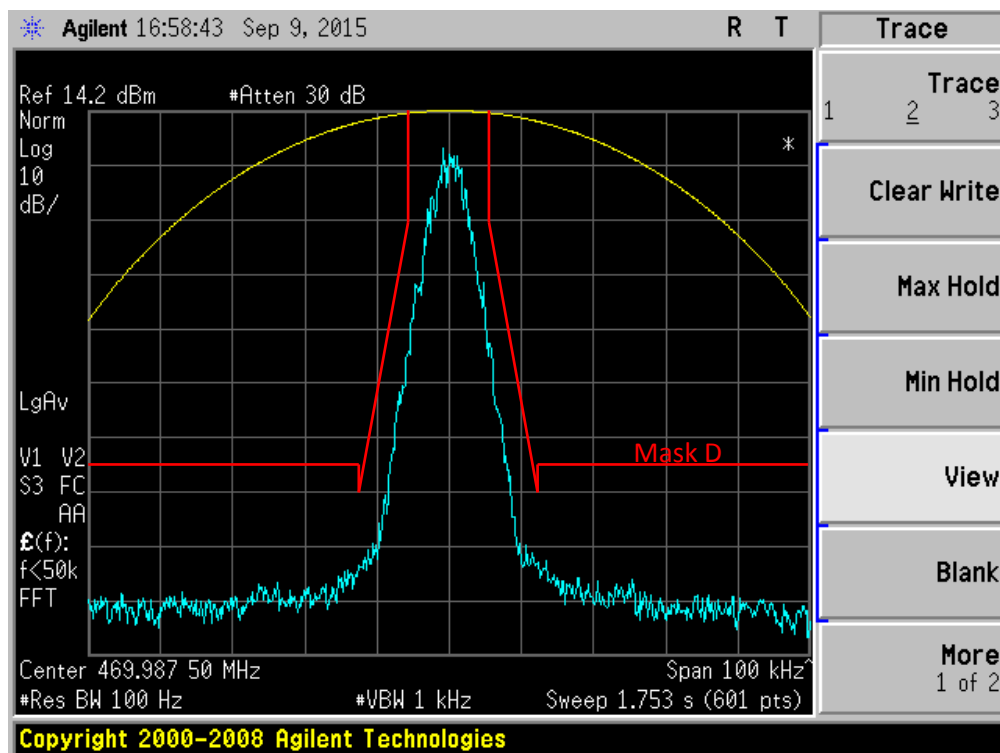


Figure 6E-13: 469.9875 MHz, O.153 Test Pattern 4FSK Data Modulation only, 7K60F1D Mask D

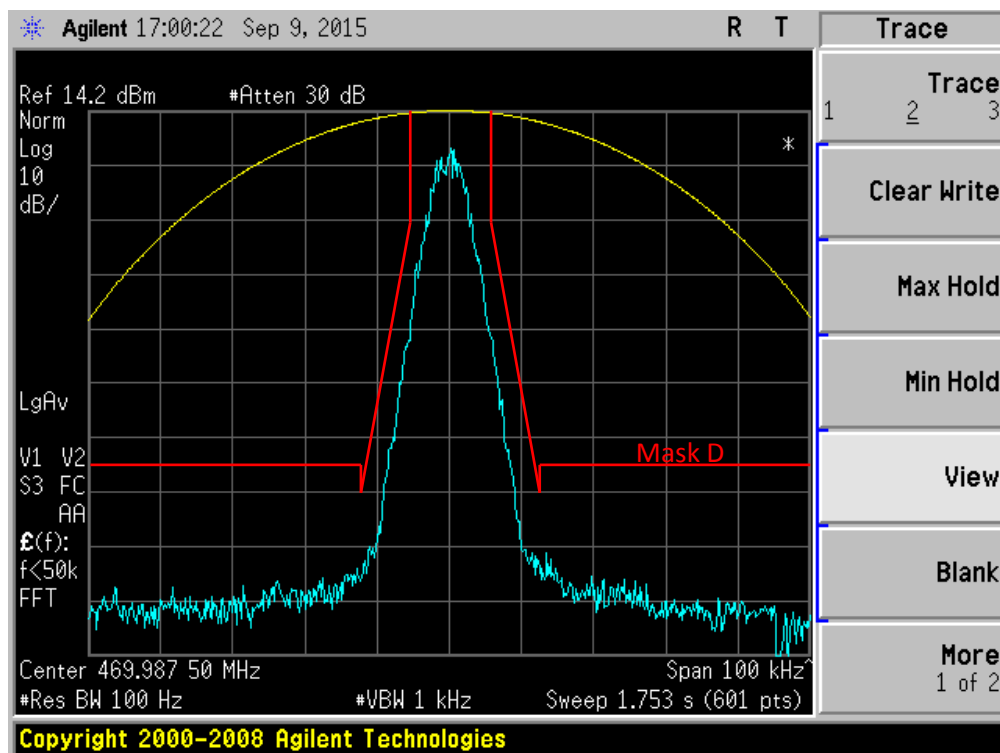


Figure 6E-14: 469.9875 MHz, O.153 Test Pattern 4FSK Voice Modulation only, 7K60F1E Mask D

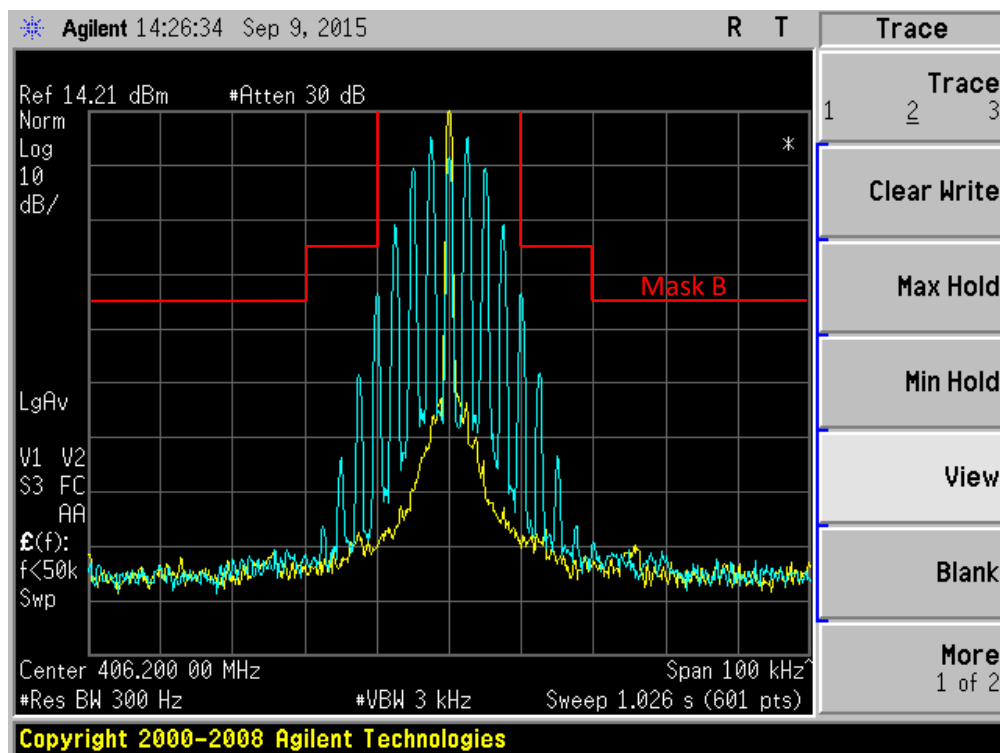


Figure 6E-15: 406.2 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Not for FCC Review)

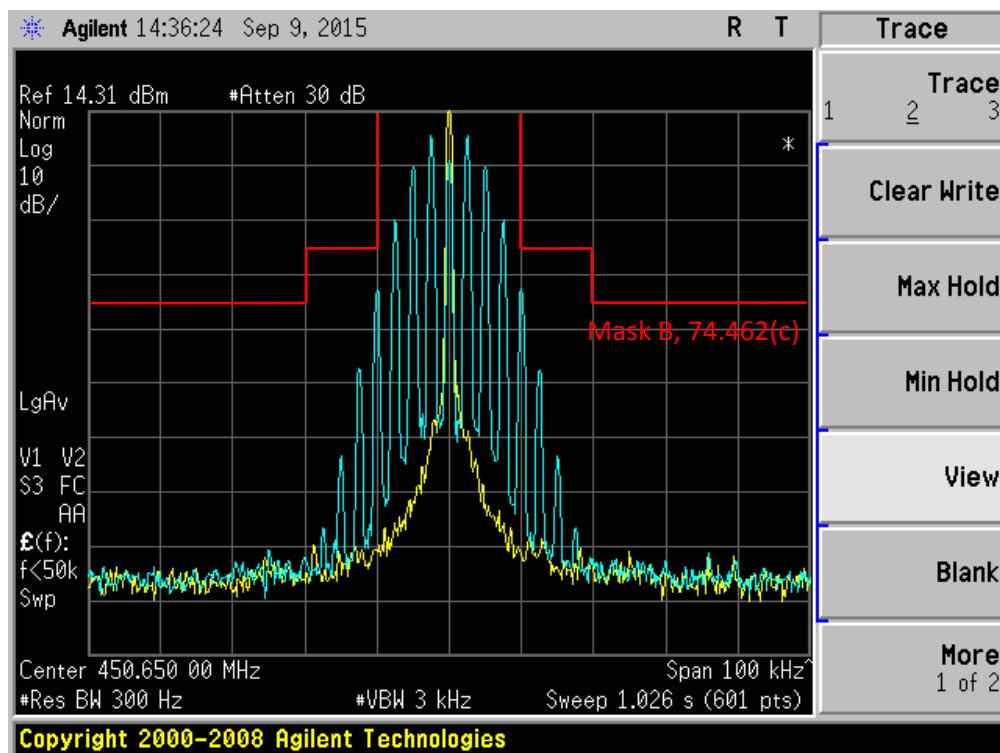


Figure 6E-16: 450.65 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, Mask 74.462(c)

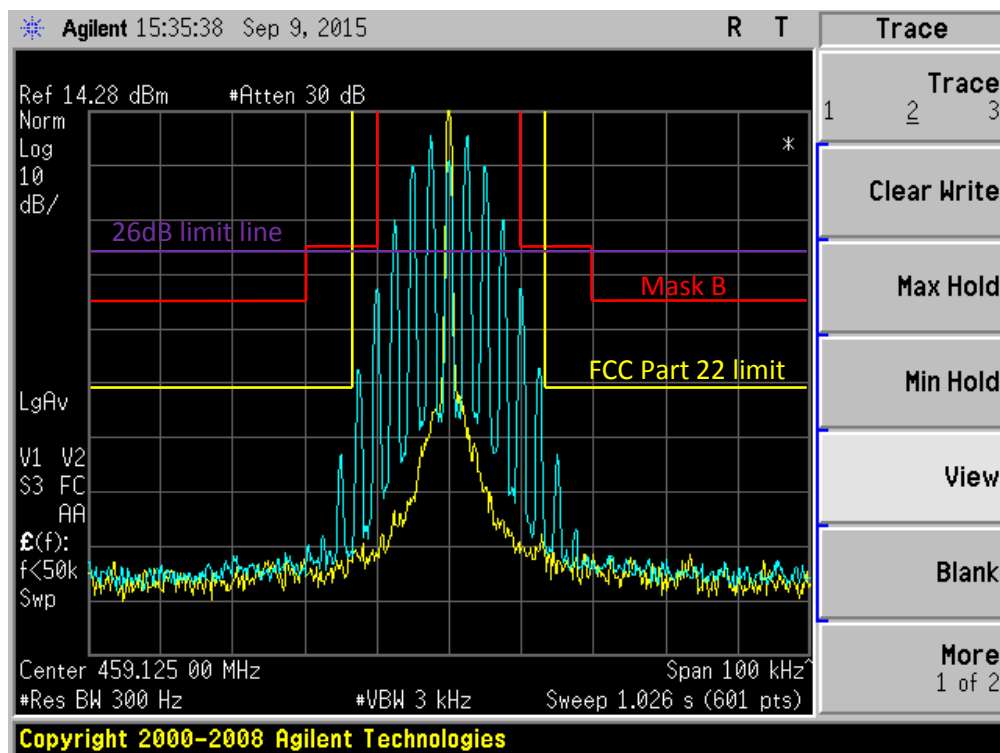


Figure 6E-17: 459.125 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, FCC Part 22 Limit

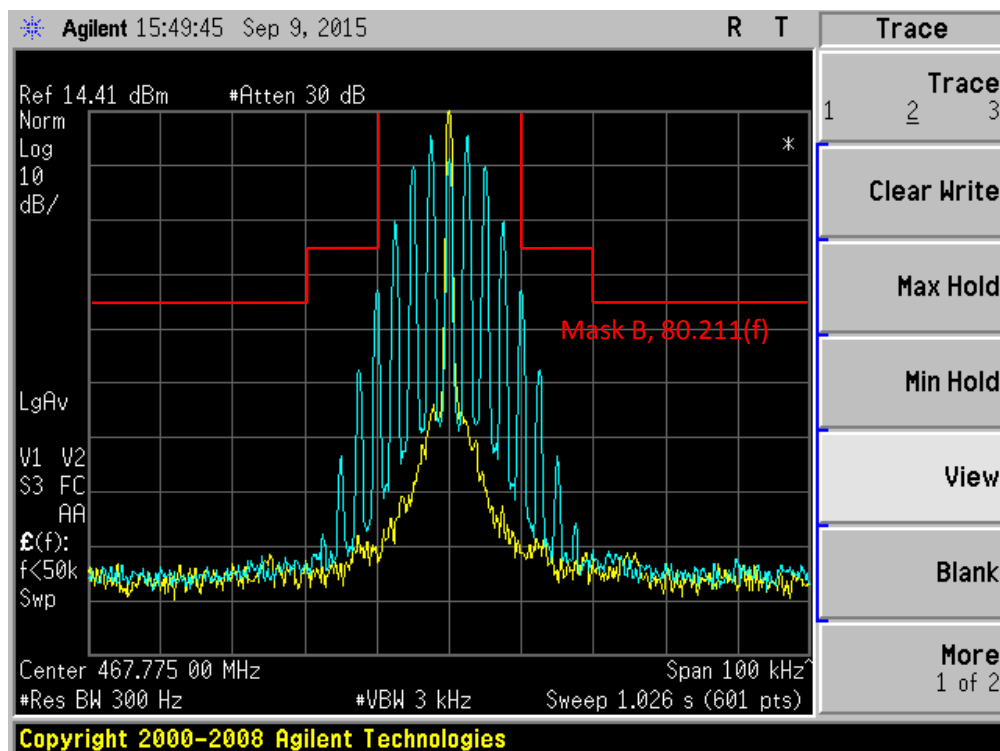


Figure 6E-18: 467.775 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B, Mask 80.211(f)

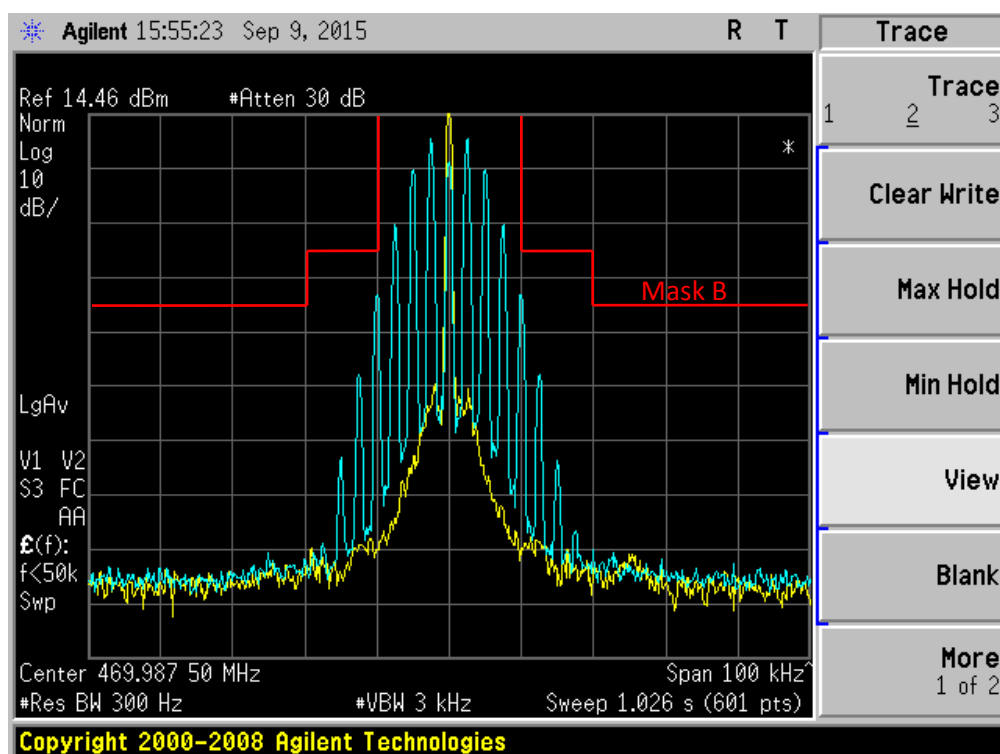


Figure 6E-19: 469.9875 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Not for FCC Review)

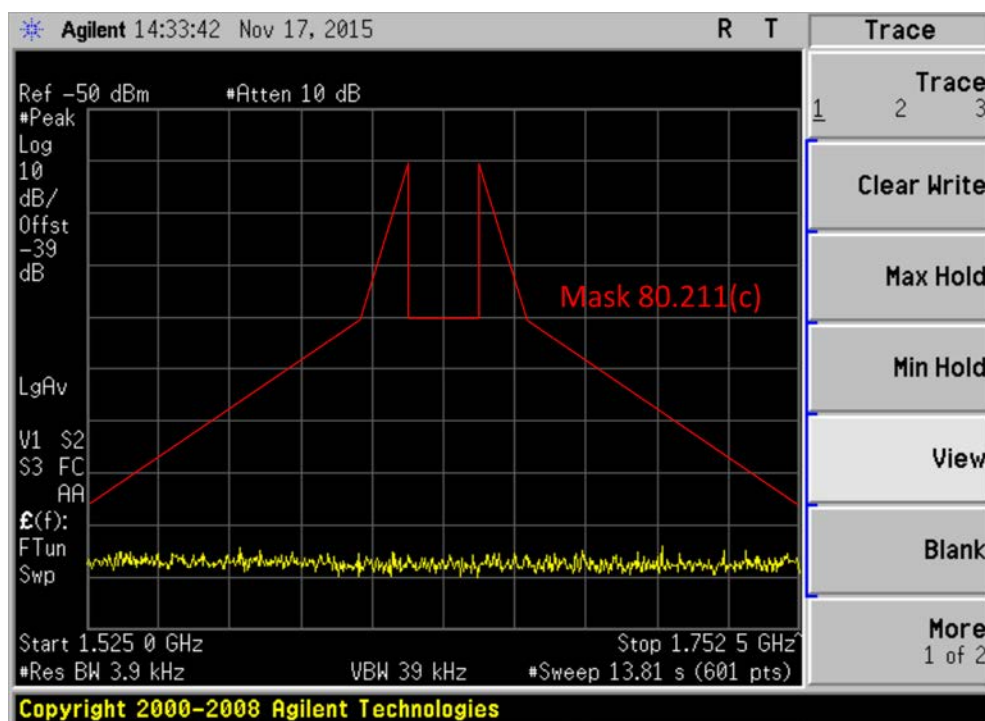


Figure 6E-20: 467.775 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask 80.211(c)

****NOTE:-**

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

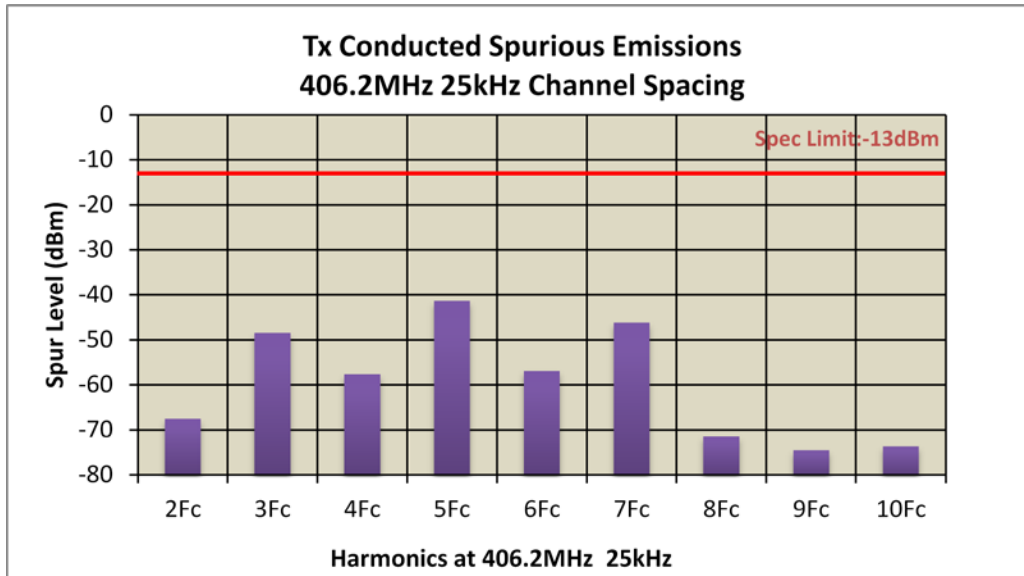


Figure 6F-1: 30 W Harmonic of Carrier 406.2 MHz, 25 kHz Channel Spacing
(Not for FCC Review)

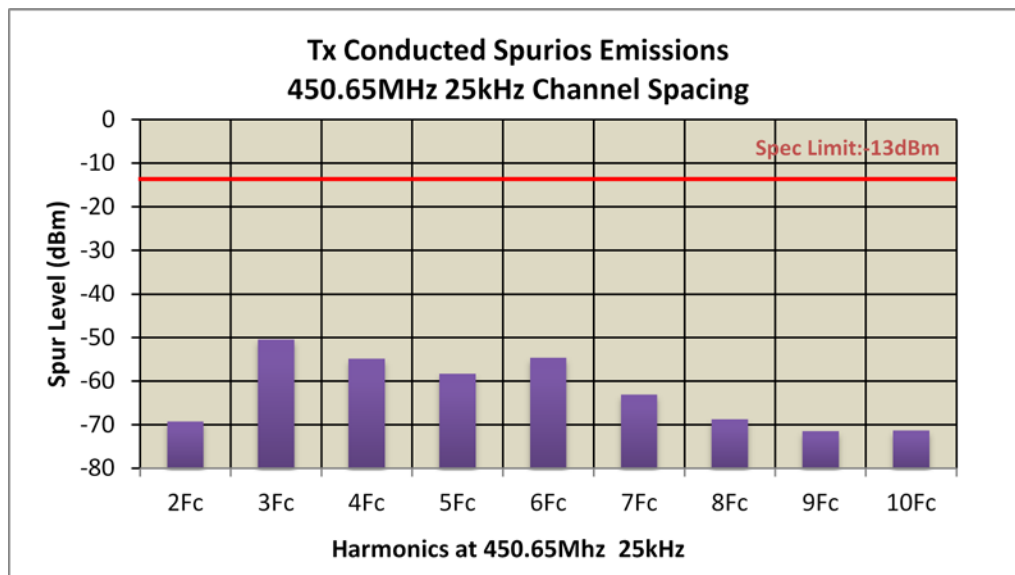


Figure 6F-2: 30 W Harmonic of Carrier 450.65 MHz, 25 kHz Channel Spacing

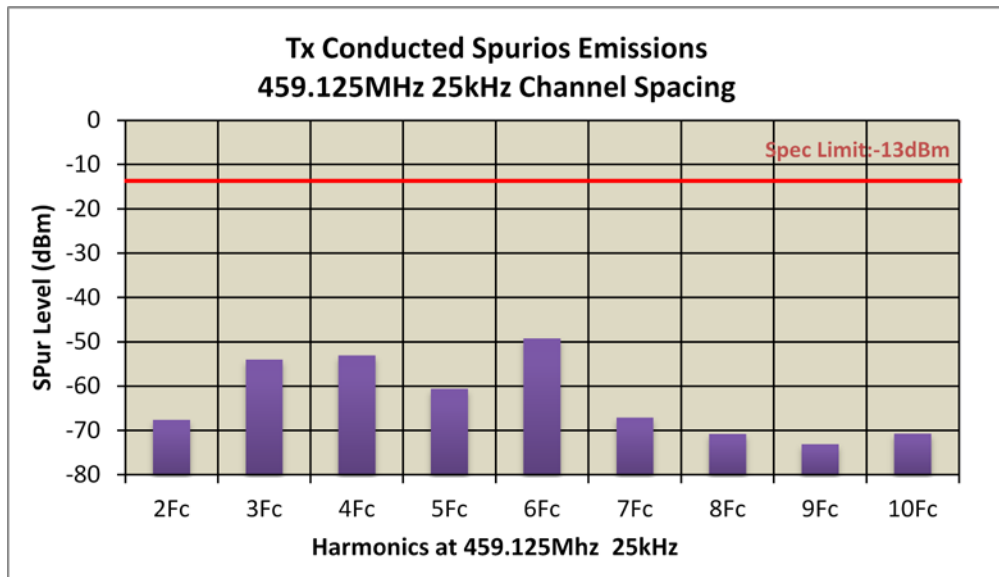


Figure 6F-3: 30 W Harmonic of Carrier 459.125 MHz, 25 kHz Channel Spacing

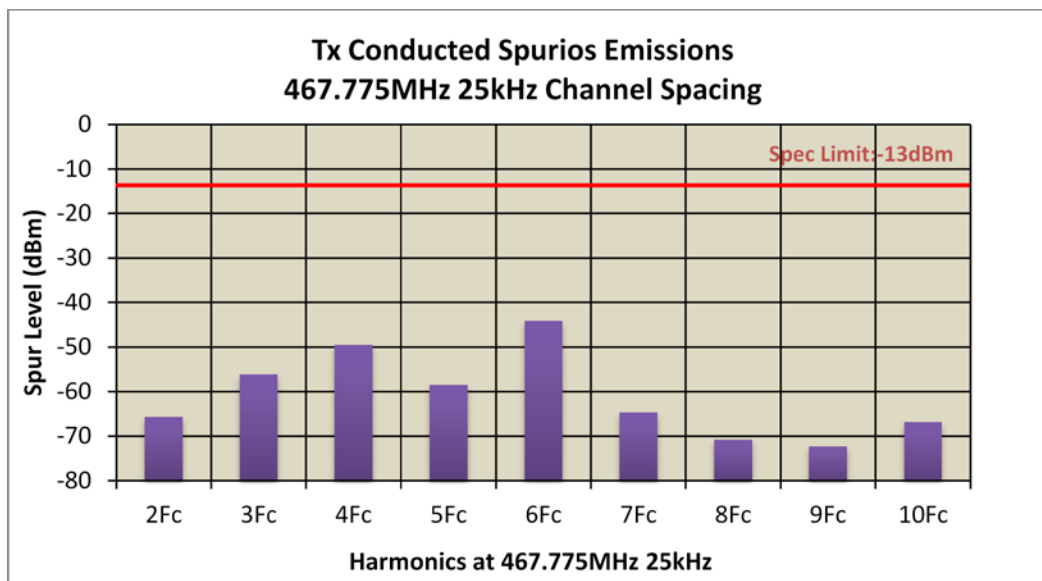


Figure 6F-4: 30 W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing

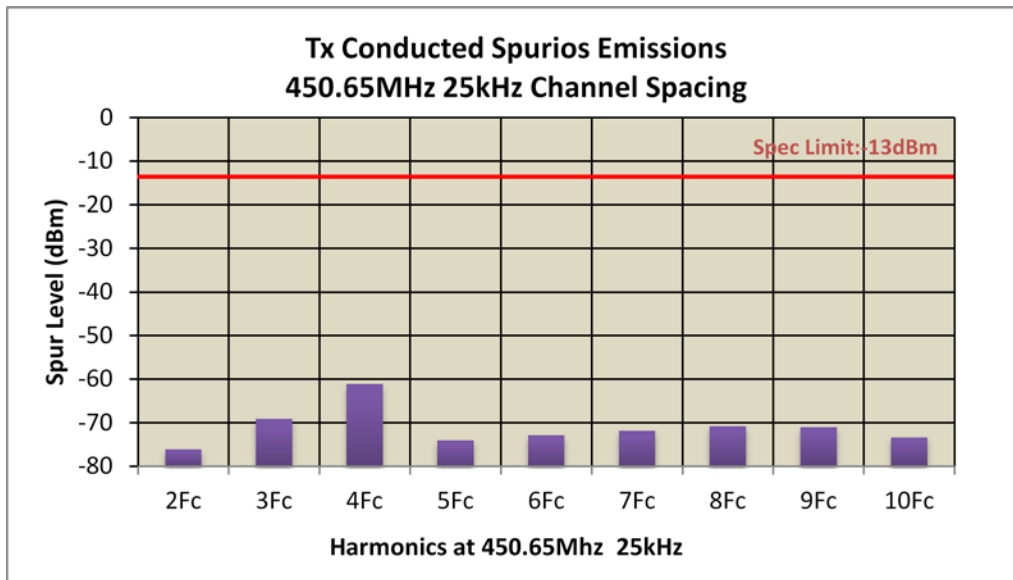


Figure 6F-5: 1W Harmonic of Carrier 450.65 MHz, 25 kHz Channel Spacing

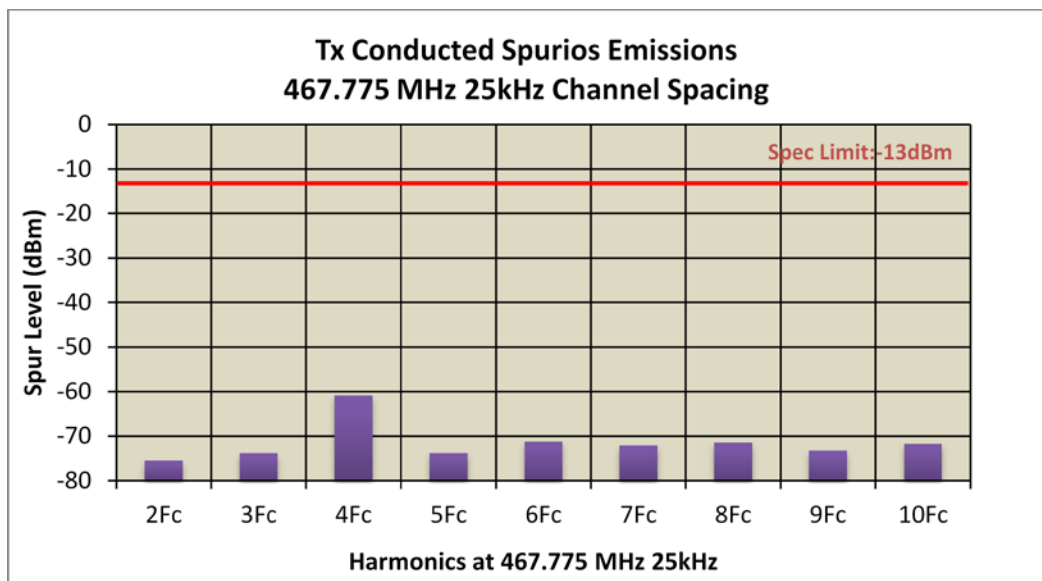


Figure 6F-6: 1W Harmonic of Carrier 467.775 MHz, 25 kHz Channel Spacing

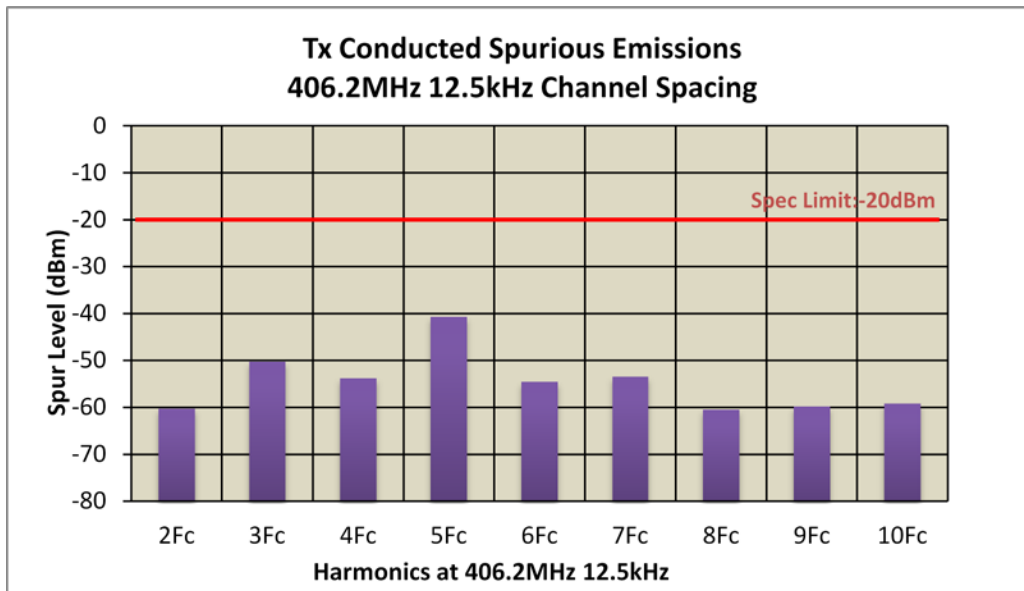


Figure 6F-7: 30 W Harmonic of Carrier 406.2 MHz, Digital 12.5 kHz Channel Spacing

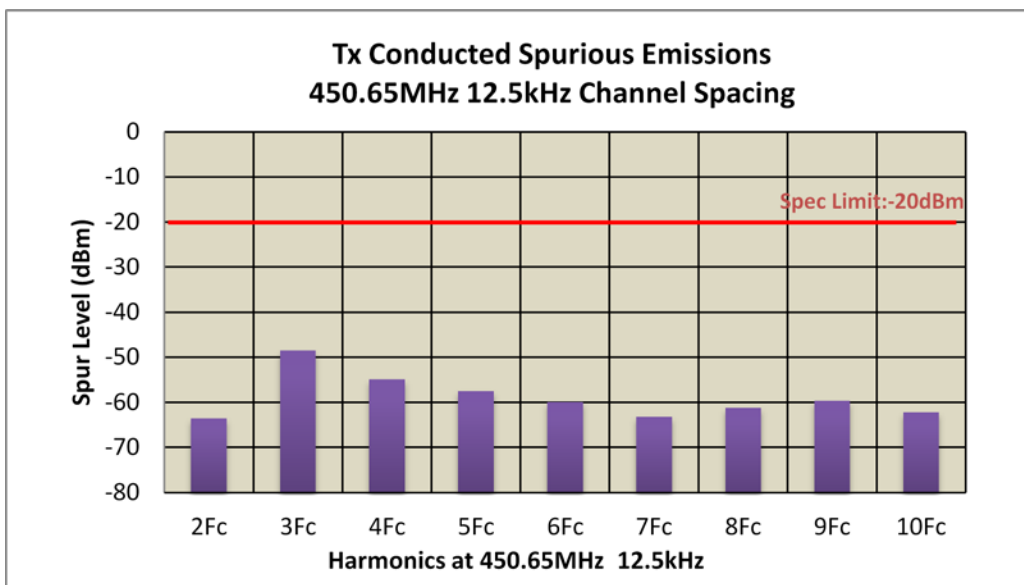


Figure 6F-8: 30 W Harmonic of Carrier 450.65 MHz, Digital 12.5 kHz Channel Spacing

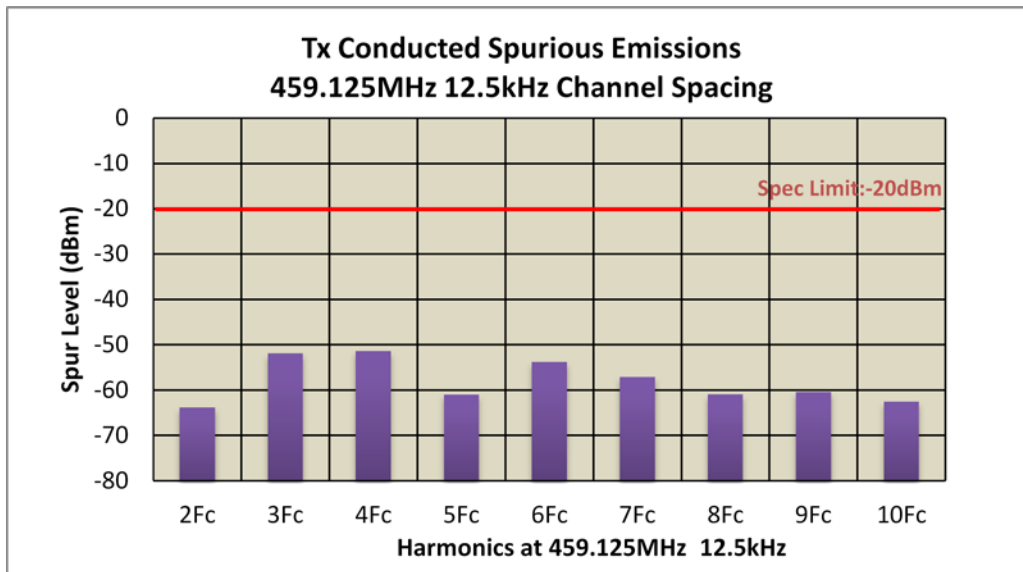


Figure 6F-9: 30 W Harmonic of Carrier 459.125 MHz, Digital 12.5 kHz Channel Spacing

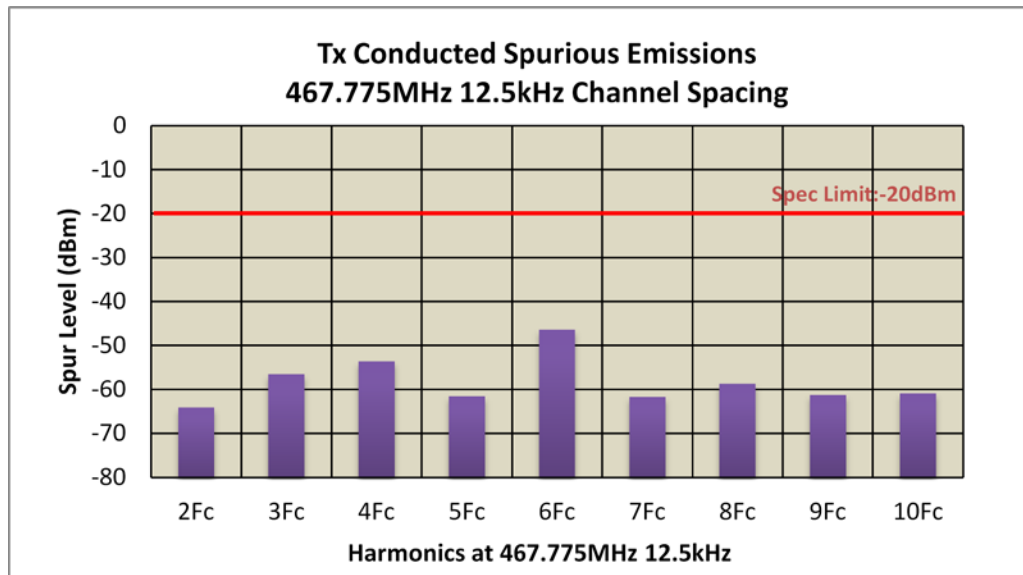


Figure 6F-10: 30 W Harmonic of Carrier 467.775 MHz, Digital 12.5 kHz Channel Spacing

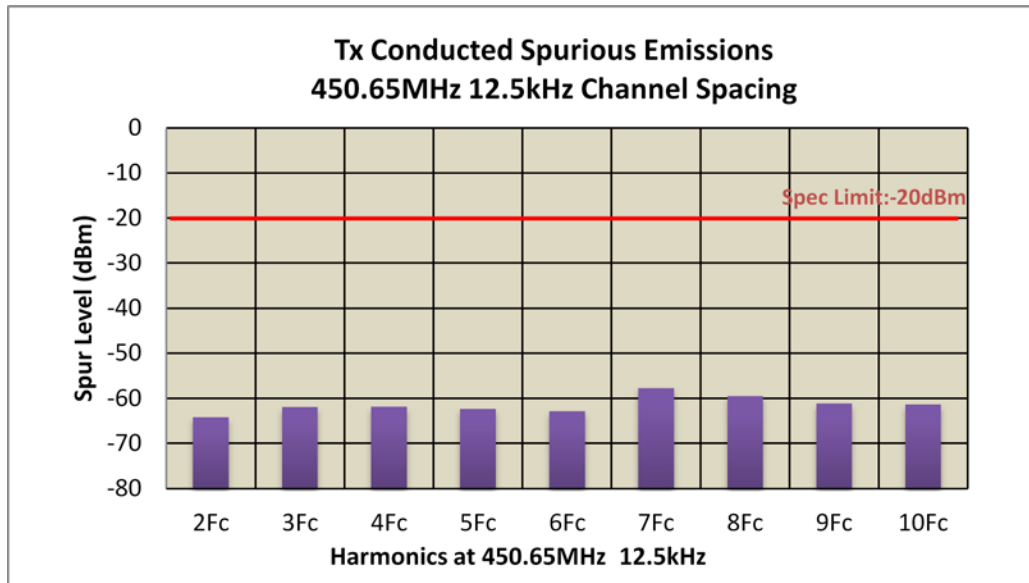


Figure 6F-11: 1W Harmonic of Carrier 450.65 MHz, Digital 12.5 kHz Channel Spacing

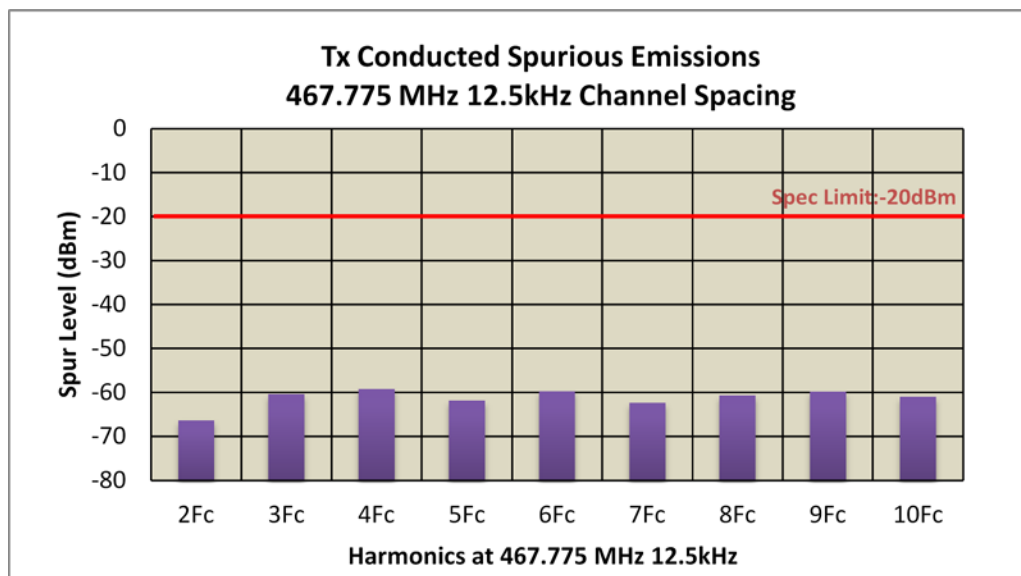


Figure 6F-12: 1W Harmonic of Carrier 467.775 MHz, Digital 12.5 kHz Channel Spacing

FCC ID: AZ492FT7080
IC ID: 109U-92FT7080

Audio Accy (PPT) - RMN5127C

RADIATED SPURIOUS EMISSIONS

Y-axis: Emission Level (dBm)

X-axis: Frequency (MHz)

Legend:

- Horizontal Measured Emission Equiv. Per Into Ideal Dipole (dBm)
- Vertical Measured Emission Equiv. Per Into Ideal Dipole (dBm)
- FCC Falling Limit

Frequency (MHz)	Horizontal Measured Emission (dBm)	Vertical Measured Emission (dBm)	FCC Falling Limit (dBm)
812.4000	-20	-20	-40
1218.0000	-20	-20	-40
1624.8000	-20	-20	-40
2031.0000	-20	-20	-40
2437.2000	-20	-20	-40
2843.4000	-20	-20	-40
3249.6000	-20	-20	-40
3655.8000	-20	-20	-40
4062.0000	-20	-20	-40

Failed Results

EXHIBIT 6
SHEET 29 OF 43

IC ID: 109U-92FT7080

Audio Accy (PPT) - RMN5127C

S/N: 511TRMB909

RADIATED SPURIOUS EMISSIONS

Y-axis: Emission Level (dBm)

X-axis: Frequency (MHz)

Legend:

- Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
- Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
- FCC Paving Limit

Frequency (MHz)	Horizontal Measured Emission (dBm)	Vertical Measured Emission (dBm)
918.2500	-20	-40
1377.3750	-20	-40
1836.5000	-20	-40
2295.6250	-20	-40
2754.7500	-20	-40
3213.8750	-20	-40
3673.0000	-20	-40
4132.1250	-20	-40
4591.2500	-20	-40

Temp(Deg): 23.4 Hum(%RH): 71.2

Failed Results

EXHIBIT 6
SHEET 31 OF 43

IC ID: 109U-92FT7080

Audio Accy (PPT) - RMN5127C

S/N: 511TRMB909

RADIATED SPURIOUS EMISSIONS

Y-axis: Emission Level (dBm)

X-axis: Frequency (MHz)

Legend:

- Horizontal Measured Emission Equip Pair Into Ideal Dipole (dBm)
- Vertical Measured Emission Equip Pair Into Ideal Dipole (dBm)
- FCC Failing Limit

Frequency (MHz)	Horizontal Measured Emission Level (dBm)	Vertical Measured Emission Level (dBm)
93.55500	-20	-40
140.33250	-20	-40
187.11000	-20	-40
233.88750	-20	-40
280.66500	-20	-40
327.44250	-20	-40
374.22000	-20	-40
420.99750	-20	-40
467.77500	-20	-40

Failed Results
1. The results of the tests conducted on the system were not consistent with the expected outcomes. 2. The system failed to meet the required performance standards. 3. The system was unable to handle the expected load. 4. The system was unable to maintain the required level of security. 5. The system was unable to maintain the required level of availability. 6. The system was unable to maintain the required level of reliability. 7. The system was unable to maintain the required level of scalability. 8. The system was unable to maintain the required level of flexibility. 9. The system was unable to maintain the required level of interoperability. 10. The system was unable to maintain the required level of compatibility.

EXHIBIT 6
SHEET 32 OF 43

IC ID: 109U-92FT7080

Audio Accy (PPT) - RMN5127C

450.65 MHz

12.5 kHz

1 Watt(s)/Low Power

S/N: 511TRMB909

RADIATED SPURIOUS EMISSIONS

Y-axis: Emission Level (dBm)

X-axis: Frequency (MHz)

Legend:

- Horizontal Measured Emission Equivalent into Ideal Dipole (dBm)
- Vertical Measured Emission Equivalent into Ideal Dipole (dBm)
- FCC Limit

Frequency (MHz)	Horizontal Measured Emission Equivalent (dBm)	Vertical Measured Emission Equivalent (dBm)	FCC Limit (dBm)
901.3000	-20	-45	-45
1351.9500	-20	-45	-45
1802.0000	-20	-45	-45
2253.2500	-20	-45	-45
2703.9000	-20	-45	-45
3154.5500	-20	-45	-45
3605.2000	-20	-45	-45
4055.8500	-20	-45	-45
4506.5000	-20	-45	-45

August 28, 2015

Industry Canada: 109AK

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

Temp(Deg): 23.4 Hum(%RH): 71.2

Passed Results

Marginal Results

Failed Results

EXHIBIT 6
SHEET 33 OF 43

Motorola Solutions.

FCC ID: AZ492FT7080

IC ID: 109U-92FT7080

TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 403-470MHZ 1-25W

MODEL #: XPR 5550e
02806-EMC-00002

TX DIGITAL

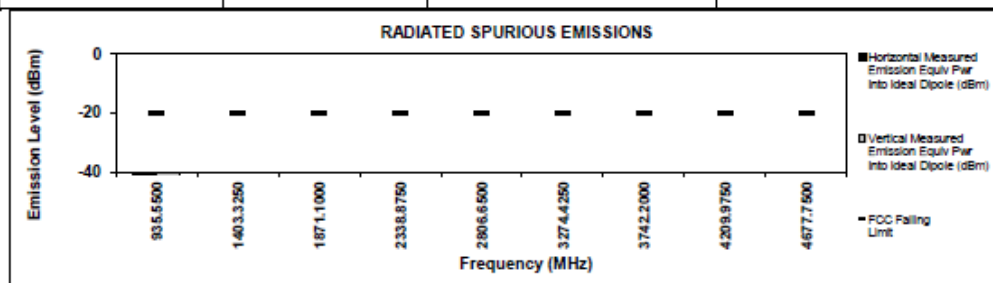
Audio Accy (PPT) - RMN5127C

467.775 MHz

12.5 kHz

1 Watt(s)/Low Power

S/N: 511TRMB909

[illegible]

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

Motorola Penang EMC Lab - Test Performed by: Qawiman/Nazrin

August 28, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:** 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

Temp(Deg): 23.4 Hum(%RH): 71.2

Remarks:

Passed Results

Marginal Results

Failed Results

Figure 6G-6 – 1 Watts, 467.775 MHz, 12.5 kHz Channel Spacing

IC ID: 109U-92FT7080

Audio Accy (PPT) - RMN5127C

459.125 MHz

459.125 MHz

459.125 MHz

RADIATED SPURIOUS EMISSIONS

Frequency (MHz)	Horizontal Measured Emission Equiv Per Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Per Into Ideal Dipole (dBm)	FCC Failing Limit (dBm)
918, 2500	-15	-45	-45
1377, 3750	-15	-45	-45
1836, 5000	-15	-45	-45
2295, 6250	-15	-45	-45
2754, 7500	-15	-45	-45
3213, 8750	-15	-45	-45
3673, 10000	-15	-45	-45
4132, 12500	-15	-45	-45
4591, 25000	-15	-45	-45

Temp(Deg): 23.4 Hum(%RH): 71.2

Failed Results

EXHIBIT 6
SHEET 37 OF 43

TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 403-470MHZ 1-25W
MODEL #: XPR 5550e TX ANALOG Audio Accy (PPT) - RMN5127C
02806-EMC-00002
450.65 MHz 25 kHz 1 Watt(s)/Low Power S/N: 511TRMB90

RADIATED SPURIOUS EMISSIONS

Y-axis: Emission Level (dBm)

X-axis: Frequency (MHz)

Legend:

- Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
- Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
- FCC Failing Limit

Frequency (MHz)	Horizontal Measured Emission Level (dBm)	Vertical Measured Emission Level (dBm)
901.3000	-13	-13
1351.9500	-13	-13
1802.6000	-13	-13
2253.2500	-13	-13
2703.9000	-13	-13
3154.5500	-13	-13
3605.2000	-13	-13
4055.8500	-13	-13
4506.5000	-13	-13

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.
 Motorola Penang EMC Lab - Test Performed by: Qawiman/Nazrin
 FCC Registration: 772092 Industry Canada: 109AK
 Remarks:** 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
 Temp(Deg): 23.4 Hum(%RH): 71.2

Remarks:	Passed Results	Marginal Results	Failed Results
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EXHIBIT 6
SHEET 39 OF 43

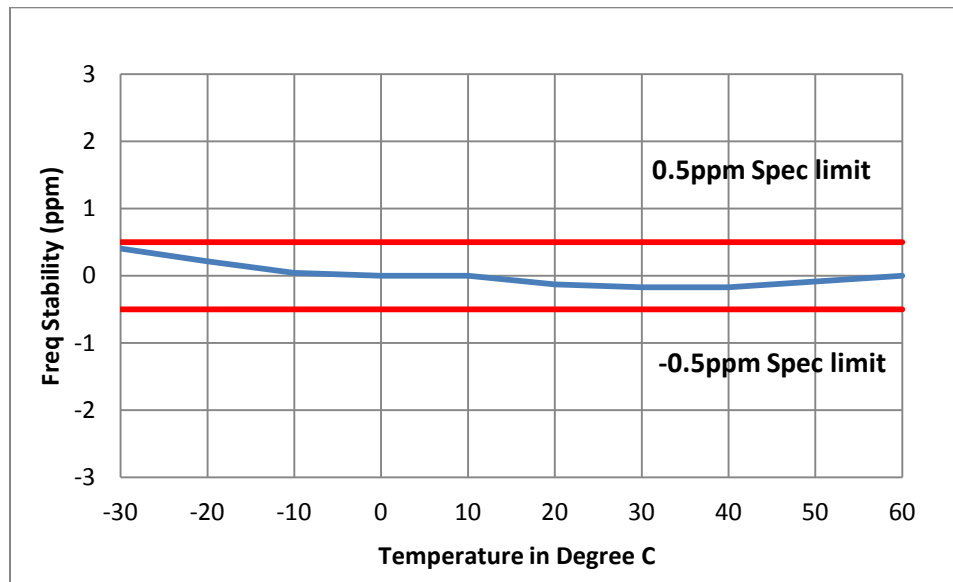
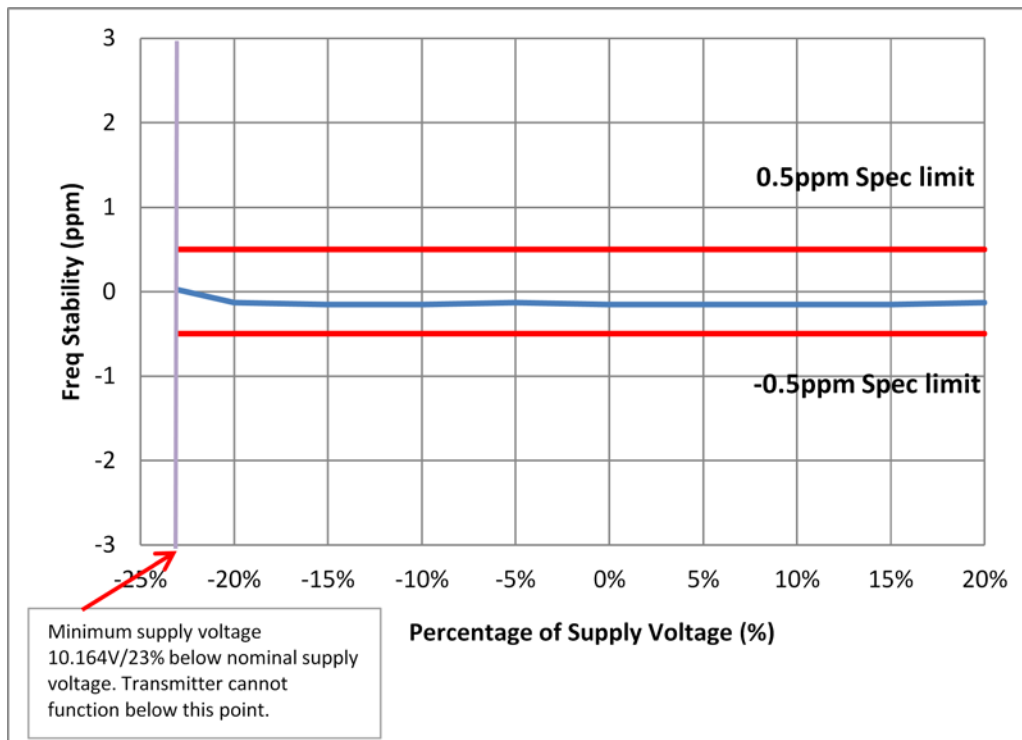
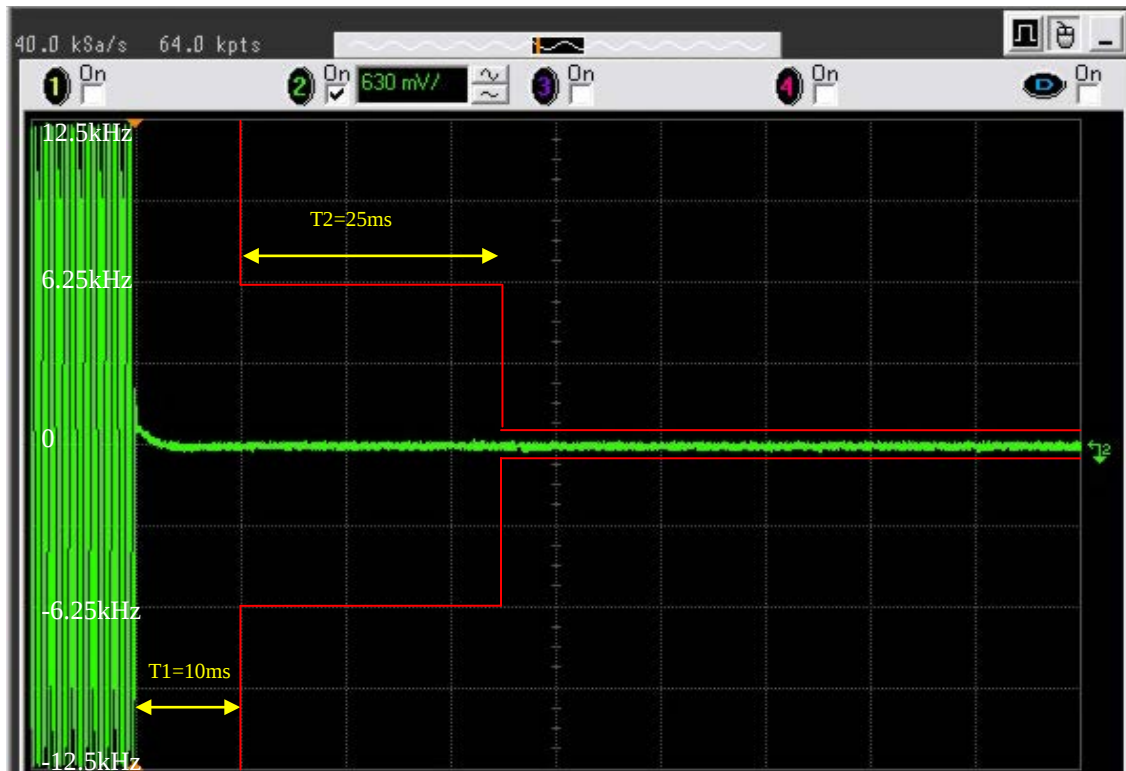
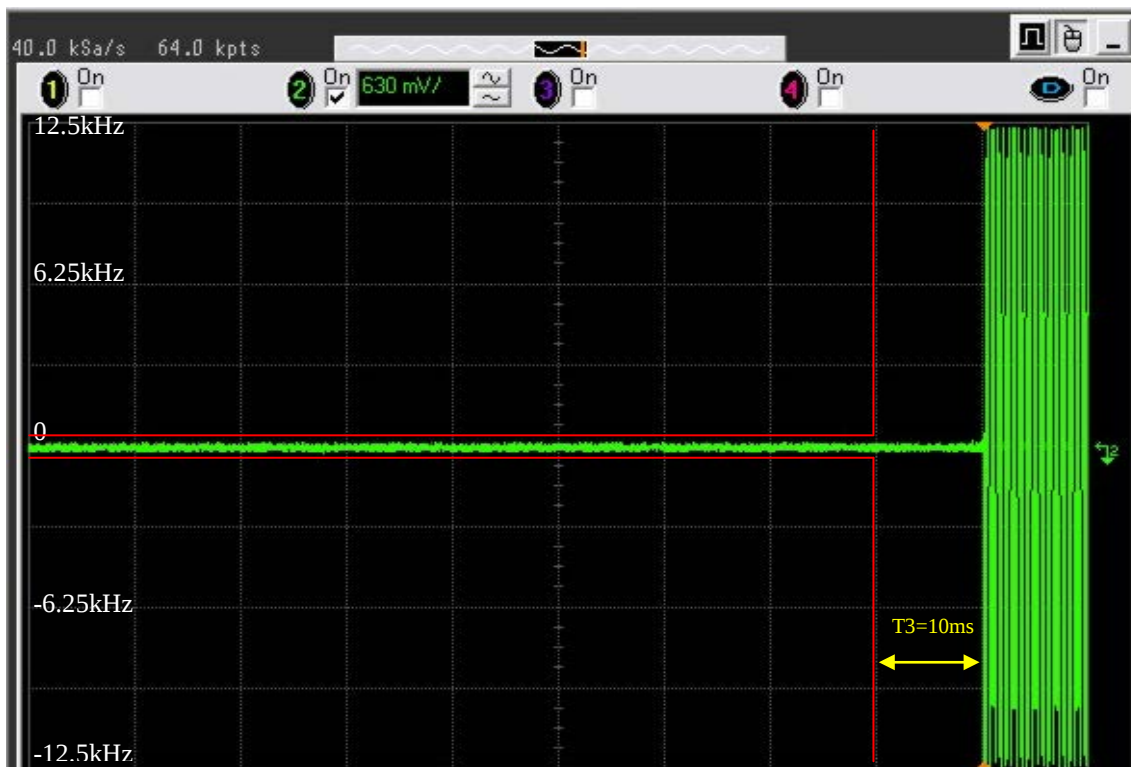
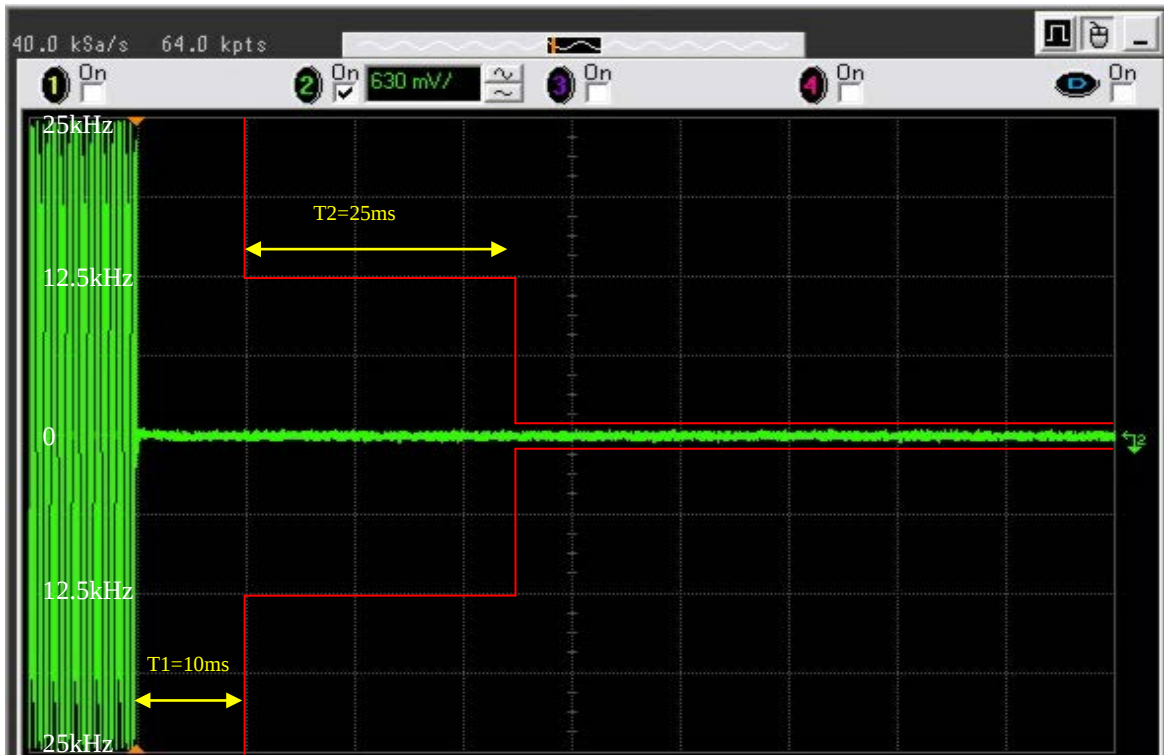
EXHIBIT 6H – Frequency Stability**6H-1 – 467.775 MHz Frequency Stability vs. Temperature****6H-2 – 467.775 MHz Frequency Stability vs. Supply Voltage**

EXHIBIT 6I – Transient Frequency Behavior**6I-1 – 467.775 MHz, 12.5 kHz Channel Spacing Key-Up Attack Time****6I-2 – 467.775 MHz, 12.5 kHz Channel Spacing De-Key Decay Time**

**6I-3** – 467.775 MHz, 25 kHz Channel Spacing Key-Up Attack Time**6I-4** – 467.775 MHz, 25 kHz Channel Spacing De-Key Decay Time