EXHIBIT 6

INDEX OF SUBMITTED MEASURED DATA

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

EXHIBIT 6A - RF Power Output

EXHIBIT 6B - Transmit Audio Response
6B-1 – 158.55 MHz, 12.5 kHz Channel Spacing
6B-2 – 158.55 MHz, 25 kHz Channel Spacing (Part 22, 80)

EXHIBIT 6C - Transmit Audio Low pass Filter Response
6C-1 – 158.55 MHz,12.5 kHz Transmit Audio LPF Response
6C-2 – 158.55 MHz, 25 kHz Transmit Audio LPF Response (Part 22, 80)

EXHIBIT 6D - Modulation Limiting Characteristics
6D-1 – 158.55 MHz,12.5 kHz Carrier Squelch Mode
6D-2 – 158.55 MHz, 25 kHz Carrier Squelch Mode (Part 22, 80)

EXHIBIT 6E – Modulation Techniques and Occupied Bandwidth
6E-1: 138.0125 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D (Not for FCC Review)
6E-2: 138.0125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D (Not for FCC Review)
6E-3: 138.0125 MHz, O.153 Test Pattern 4FSK Data Modulation only, 7K60F1D Mask D (Not for FCC Review)
6E-4: 138.0125 MHz, O.153 Test Pattern 4FSK Voice Modulation only, 7K60F1E Mask D (Not for FCC Review)
6E-5: 158.55 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D
6E-6: 158.55 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D
6E-7: 158.55 MHz, O.153 Test Pattern 4FSK Data Modulation only, 7K60F1D Mask D
6E-8: 158.55 MHz, O.153 Test Pattern 4FSK Voice Modulation only, 7K60F1E Mask D
6E-9: 173.3875 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, 11K0F3E Mask D
6E-10: 173.3875 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D
6E-11: 173.3875 MHz, O.153 Test Pattern 4FSK Data Modulation only, 7K60F1D Mask D
6E-12: 173.3875 MHz, O.153 Test Pattern 4FSK Voice Modulation only, 7K60F1E Mask D
6E-13: 138.0125 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Not for FCC Review)
6E-14: 158.55 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Part 22)
6E-15: 161.7 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Part 74)
6E-16: 173.3875 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask B (Not for FCC Review)
6E-17: 158.55 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask 80.211 (c) (Part 80)

EXHIBIT 6F - Conducted Spurious Emissions
6F-1 – 30 Watts, 138.0125 MHz, Analog 25 kHz Channel Spacing (Not for FCC Review)
6F-2 – 30 Watts, 158.55 MHz, Analog 25 kHz Channel Spacing (Part 22, 80)
6F-3 – 30 Watts, 161.7 MHz, Analog 25 kHz Channel Spacing (Part 74)
6F-4 – 30 Watts, 173.3875 MHz, Analog 25 kHz Channel Spacing (Not for FCC Review)
6F-5 – 1 Watts, 158.55 MHz, Analog 25 kHz Channel Spacing (Part 22, 80)
6F-6 – 1 Watts, 161.7 MHz, Analog 25 kHz Channel Spacing (Part 74)

6F-7 – 30 Watts, 138.0125 MHz Digital 12.5 kHz Channel Spacing (Not for FCC Review)
6F-8 – 30 Watts, 158.55 MHz, Digital 12.5 kHz Channel Spacing
6F-9 – 30 Watts, 161.7 MHz, Digital 12.5 kHz Channel Spacing
6F-10 – 30 Watts, 173.3875 MHz, Digital 12.5 kHz Channel Spacing
6F-11 – 1 Watts, 158.55 MHz, Digital 12.5 kHz Channel Spacing
6F-12 – 1 Watts, 161.7 MHz, Digital 12.5 kHz Channel Spacing

EXHIBIT 6G – Radiated Spurious Emissions

6G-1 – 30 Watts, 138.0125 MHz, Analog 25 kHz Channel Spacing (Not for FCC Review)
6G-2 – 30 Watts, 158.55 MHz, Analog 25 kHz Channel Spacing (Part 22, 80)
6G-3 – 30 Watts, 161.7 MHz, Analog 25 kHz Channel Spacing (Part 74)
6G-4 – 30 Watts, 173.3875 MHz, Analog 25 kHz Channel Spacing (Not for FCC Review)
6G-5 – 1 Watts, 158.55 MHz, Analog 25 kHz Channel Spacing (Part 74)
6G-6 – 1 Watts, 161.7 MHz, Analog 25 kHz Channel Spacing

6G-7 – 30 Watts, 138.0125 MHz Digital 12.5 kHz Channel Spacing (Not for FCC Review)
6G-8 – 30 Watts, 158.55 MHz, Digital 12.5 kHz Channel Spacing (Part 22, 80)
6G-9 – 30 Watts, 161.7 MHz, Digital 12.5 kHz Channel Spacing
6G-10 – 30 Watts, 173.3875 MHz, Digital 12.5 kHz Channel Spacing
6G-11 – 1 Watts, 158.55 MHz, Digital 12.5 kHz Channel Spacing
6G-12 – 1 Watts, 161.7 MHz, Digital 12.5 kHz Channel Spacing

EXHIBIT 6H – Frequency Stability

6H-1 – 158.55 MHz Frequency Stability vs. Temperature
6H-2 – 158.55 MHz Frequency Stability vs. Voltage

EXHIBIT 6I – Transient Frequency Behavior

6I-1 – 158.55 MHz, 12.5 kHz Channel Spacing Key-Up Attack Time
6I-2 – 158.55 MHz, 12.5 kHz Channel Spacing De-Key Decay Time
6I-3 – 158.55 MHz, 25 kHz Channel Spacing Key-Up Attack Time (Part 22, 80)
6I-4 – 158.55 MHz, 25 kHz Channel Spacing De-Key Decay Time (Part 22, 80)

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

Radio model tested: AAM28JNN9RA1AN

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 138.0125 MHz

Measured RF Output Power:	29.7	Watts
Measured DC Voltage:	13.2	Volts
Measured DC Input Current:	4.61	Amperes

LOW POWER SETTING, FREQUENCY 138.0125 MHz

Measured RF Output Power:	0.97	Watts
Measured DC Voltage:	13.2	Volts
Measured DC Input Current:	1.35	Amperes

HIGH POWER SETTING, FREQUENCY 158.55 MHz

Measured RF Output Power:	30.0	Watts
Measured DC Voltage:	13.2	Volts
Measured DC Input Current:	5.39	Amperes

LOW POWER SETTING, FREQUENCY 158.55 MHz

Measured RF Output Power:	0.96	Watts
Measured DC Voltage:	13.2	Volts
Measured DC Input Current:	1.49	Amperes

HIGH POWER SETTING, FREQUENCY 161.7 MHz

Measured RF Output Power:	29.9	Watts
Measured DC Voltage:	13.2	Volts
Measured DC Input Current:	5.36	Amperes

LOW POWER SETTING, FREQUENCY 161.7 MHz

Measured RF Output Power:	0.97	Watts
Measured DC Voltage:	13.2	Volts
Measured DC Input Current:	1.49	Amperes

HIGH POWER SETTING, FREQUENCY 173.3875 MHz

Measured RF Output Power:	30	Watts
Measured DC Voltage:	13.2	Volts
Measured DC Input Current:	5.39	Amperes

LOW POWER SETTING, FREQUENCY 173.3875 MHz

Measured RF Output Power:	0.97	Watts
Measured DC Voltage:	13.2	Volts
Measured DC Input Current:	1.49	Amperes

EXHIBIT 6B – Transmit Audio Response

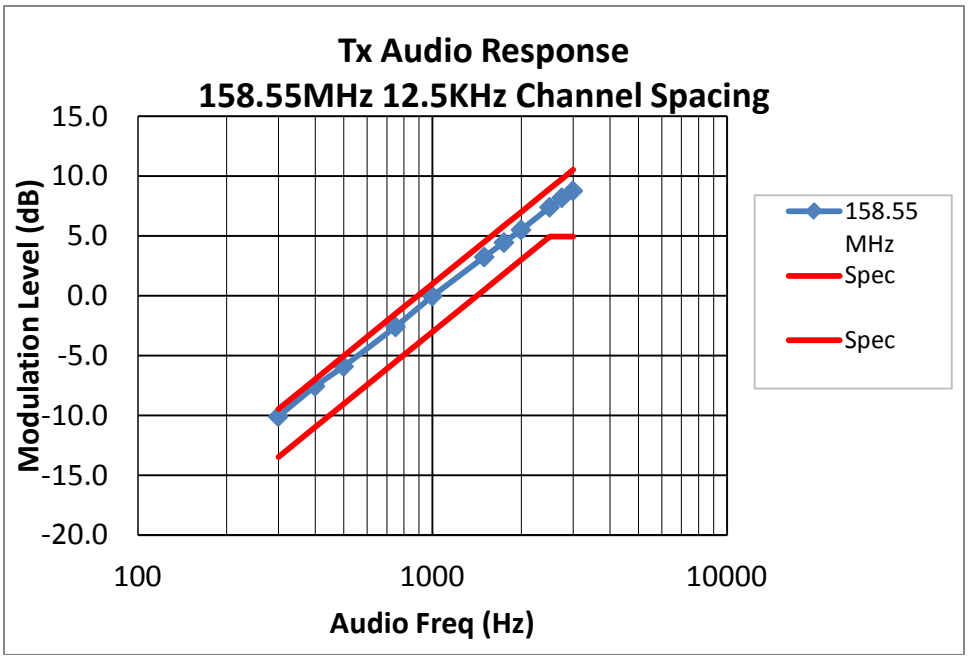


Figure 6B-1: 158.55 MHz, 12.5 kHz Channel Spacing, Transmit Audio Frequency Response

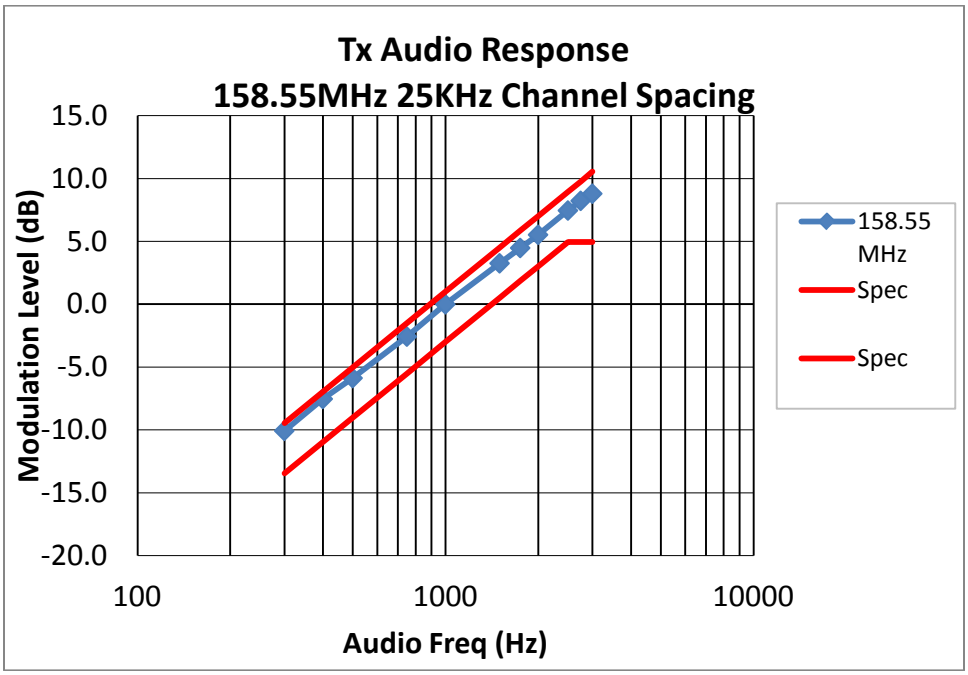


Figure 6B-2: 158.55 MHz, 25 kHz Channel Spacing, Transmit Audio Frequency Response (Part 22, 80)

EXHIBIT 6C – Transmit Audio Post Limiter Low Pass Filter Response

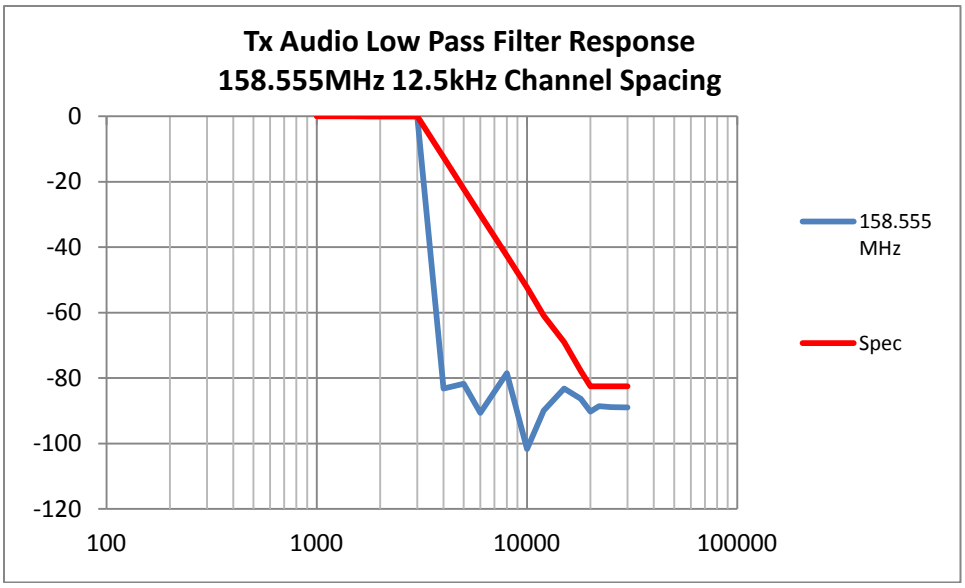


Figure 6C-1: 158.55 MHz, 12.5 kHz Channel Spacing, Transmit Audio Low Pass Filter Response

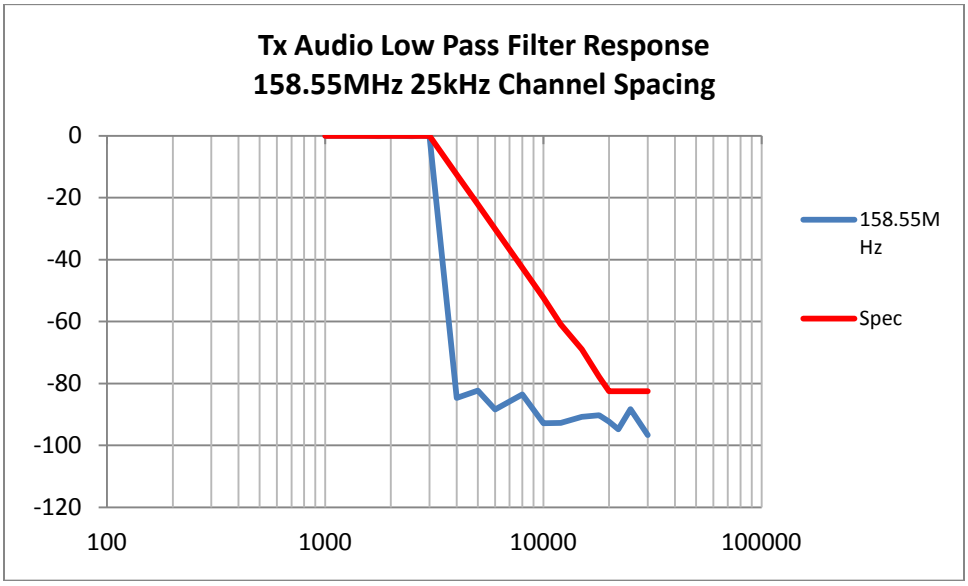


Figure 6C-2: 158.55 MHz, 25 kHz Channel Spacing, Transmit Audio Low Pass Filter Response (Part 22, 80)

EXHIBIT 6D – Modulation Limiting Characteristic

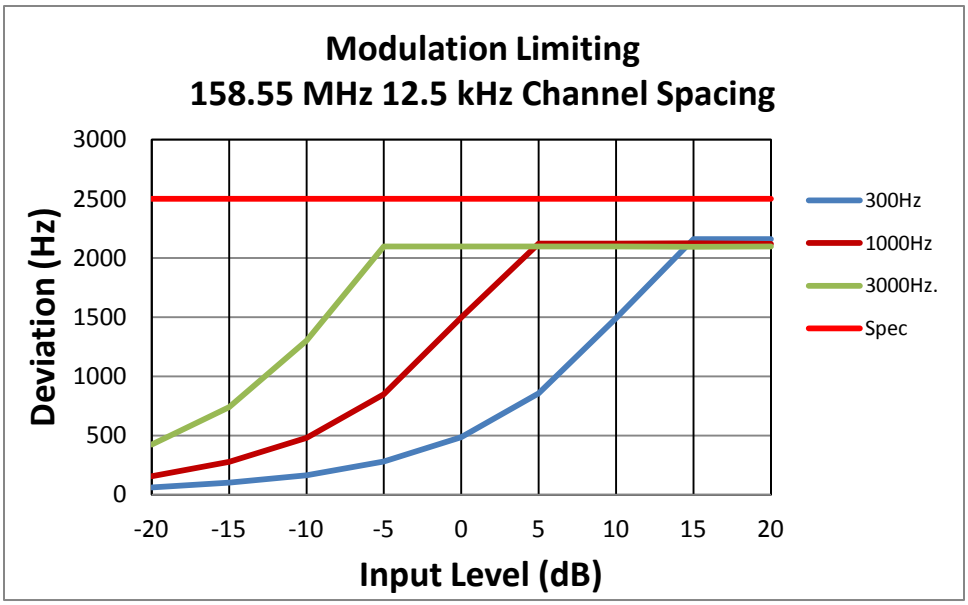


Figure 6D-1: 158.55 MHz, 12.5 KHz Channel Spacing, Modulation Limiting

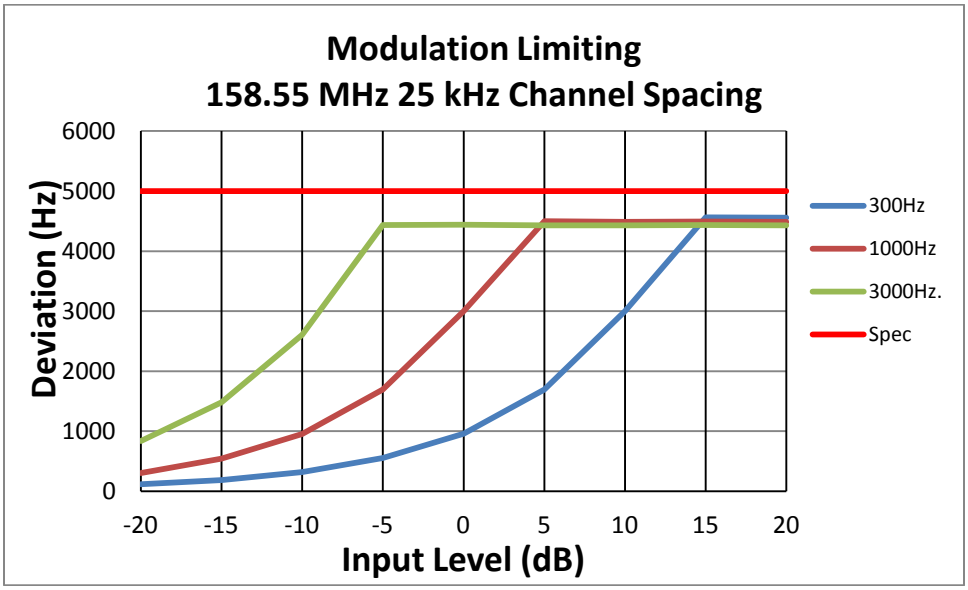


Figure 6D-2: 158.55 MHz, 25 KHz Channel Spacing, Modulation Limiting (Part 22, 80)

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 kHz + 5.0 kHz) = 16 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 kHz + 2.5 kHz) = 11 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:

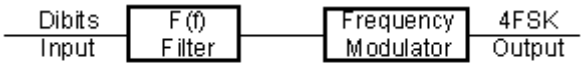
Information Bits		Symbol	4FSK Deviation
Bit 1	Bit 0		
0	1	+3	+1.944 kHz
0	0	+1	+0.648 kHz
1	0	-1	-0.648 kHz
1	1	-3	-1.944 kHz

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
$|F(f)| = |\cos(\pi \Delta f / 1920)|$ for 1920 Hz < |f| 2880 Hz
$|F(f)| = 0$ for $|f| > 2880$ Hz
where f = frequency in hertz.

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



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

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

Per CFR Title 47, Part 2, Section 2.201:

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

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

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

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

Measurement's per Rule Part 2.202(c)(4) where employed because Part 2.202(g) Table III A formulation produces an excessive result using the value of K recommended in the Table. Therefore the 99% energy rule

(title 47CFR2.989) was used for digital mode and is more accurate than Carson's rule. It states that 99% of the modulation energy falls within X kHz, which in this case is 7.6 kHz (**7K60** designator).

Per CFR Title 47, Part 2, Section 2.201:

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

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

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

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**
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

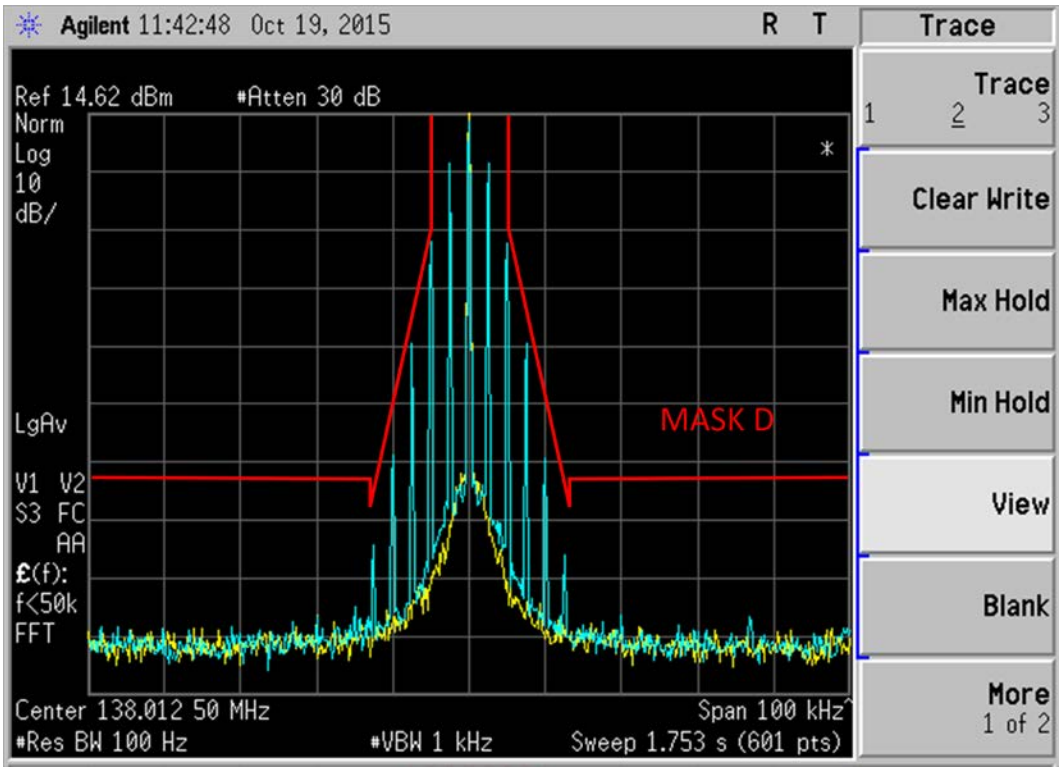


Figure 6E-1: 138.0125 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, **11K0F3E Mask D** (Not for FCC Review)

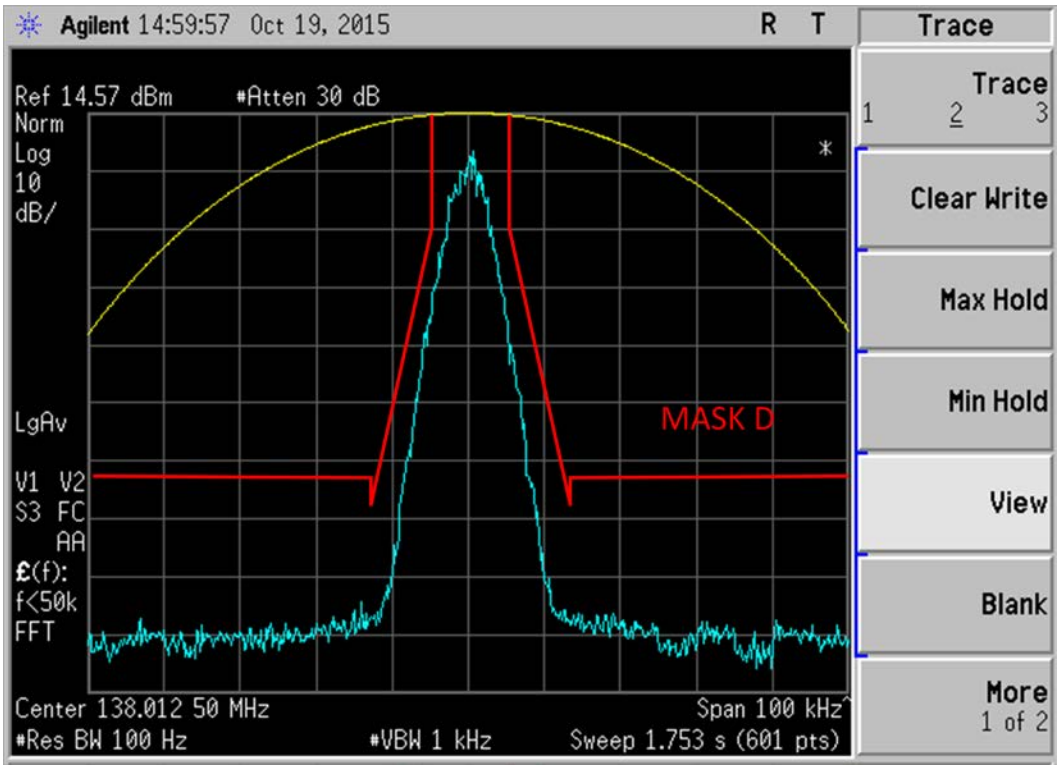


Figure 6E-2: 138.0125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, **7K60F1W Mask D** (Not for FCC Review)

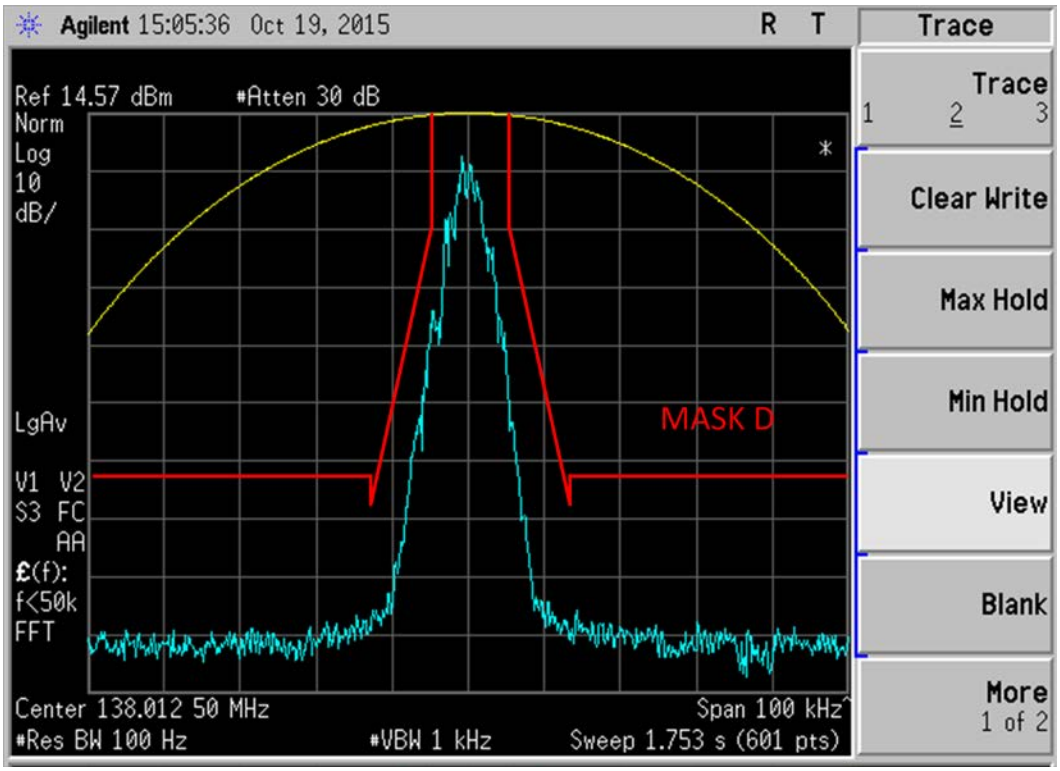


Figure 6E-3: 138.0125 MHz, O.153 Test Pattern 4FSK Data Modulation only, **7K60F1D Mask D** (Not for FCC Review)

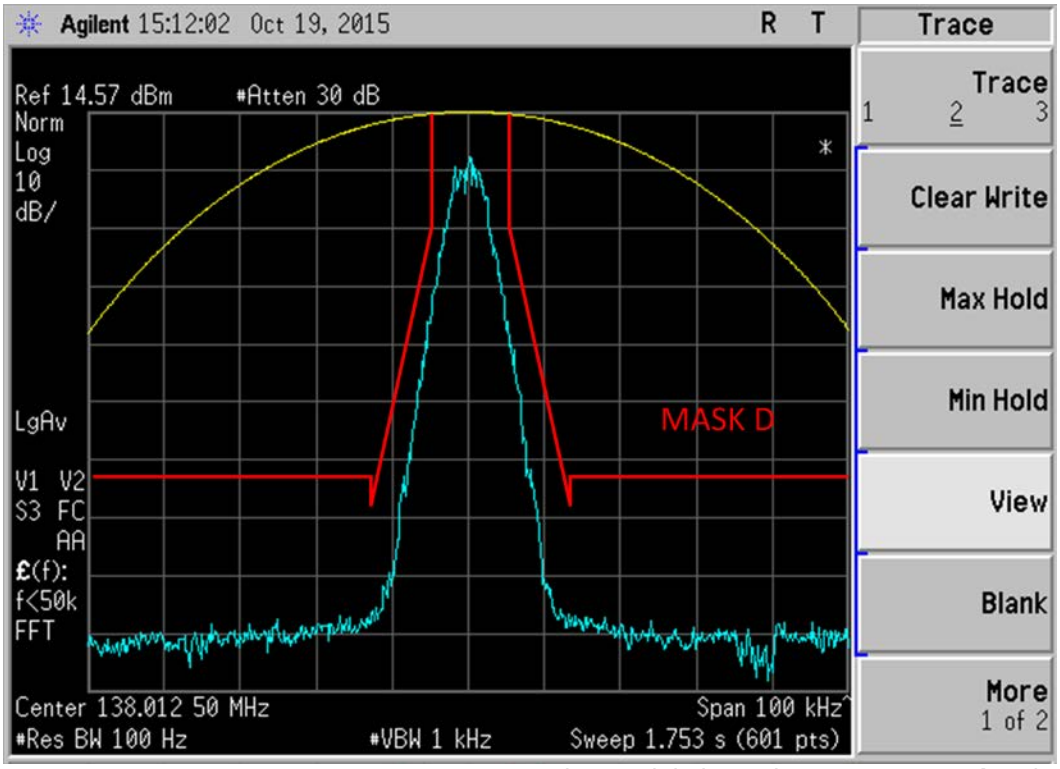


Figure 6E-4: 138.0125 MHz, O.153 Test Pattern 4FSK Voice Modulation only, **7K60F1E Mask D** (Not for FCC Review)

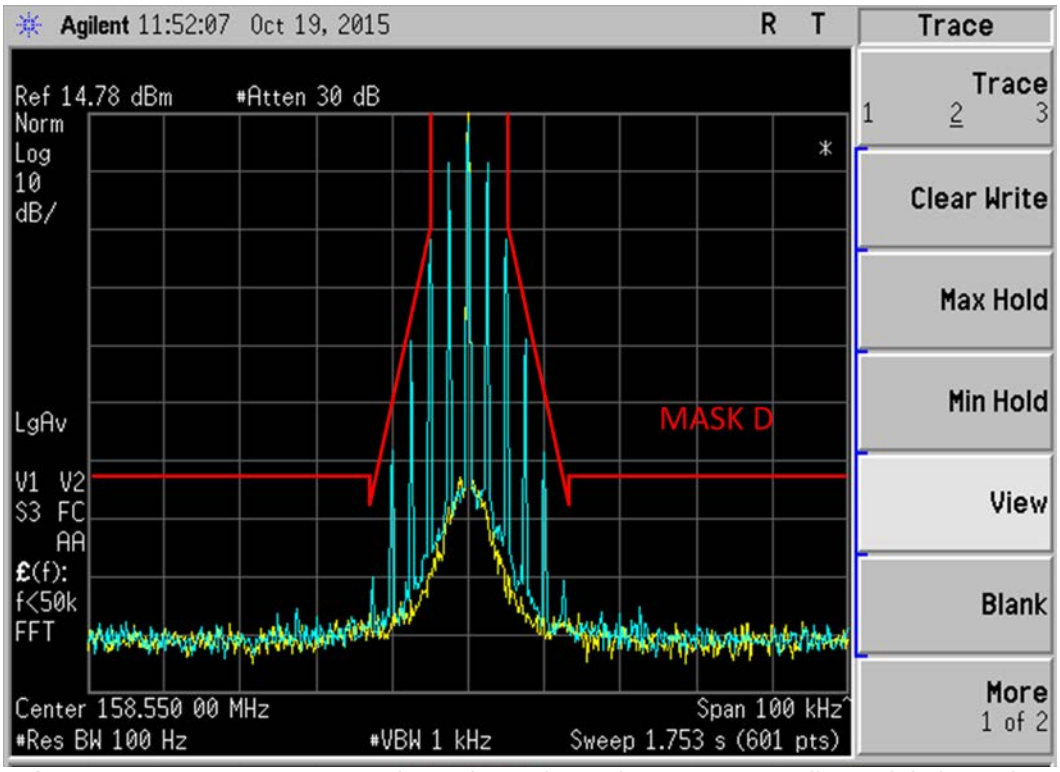


Figure 6E-5: 158.55 MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, **11K0F3E Mask D**

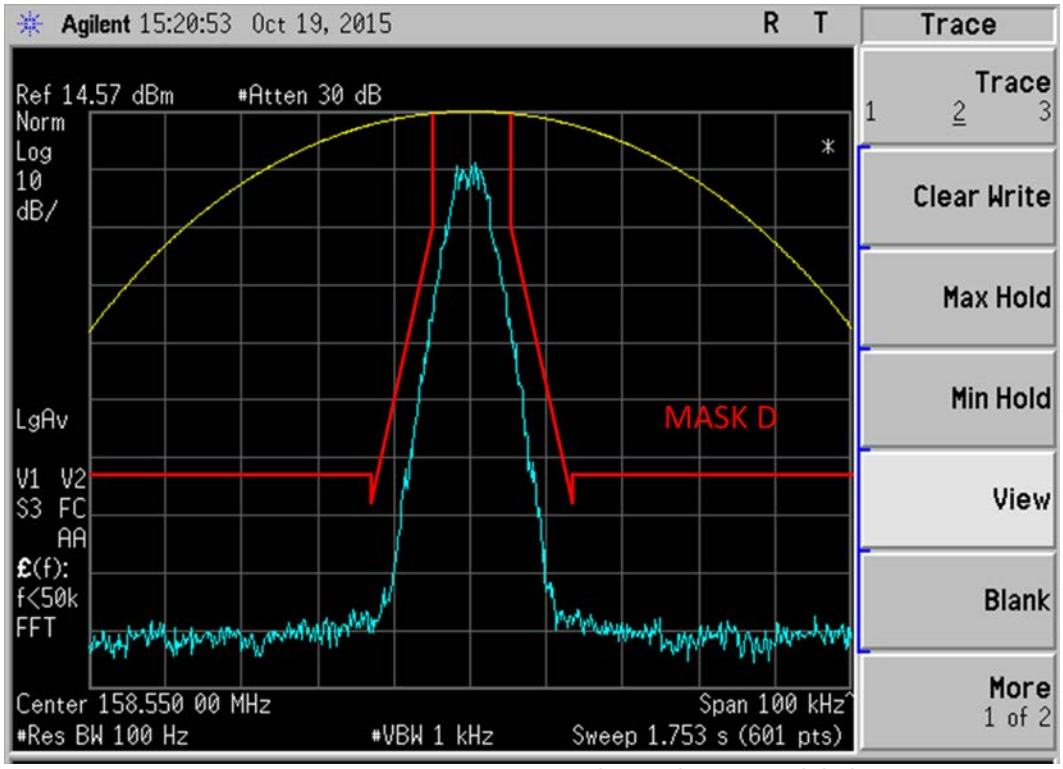


Figure 6E-6: 158.55 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, **7K60F1W Mask D**

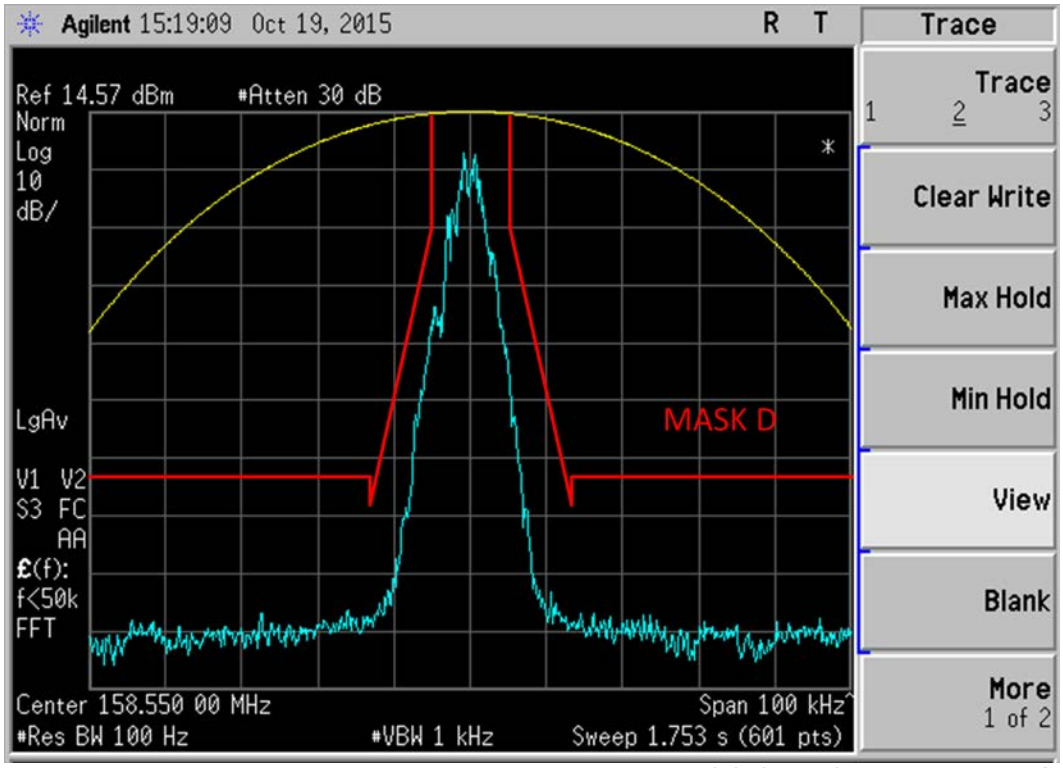


Figure 6E-7: 158.55 MHz, O.153 Test Pattern 4FSK Data Modulation only, **7K60F1D Mask D**

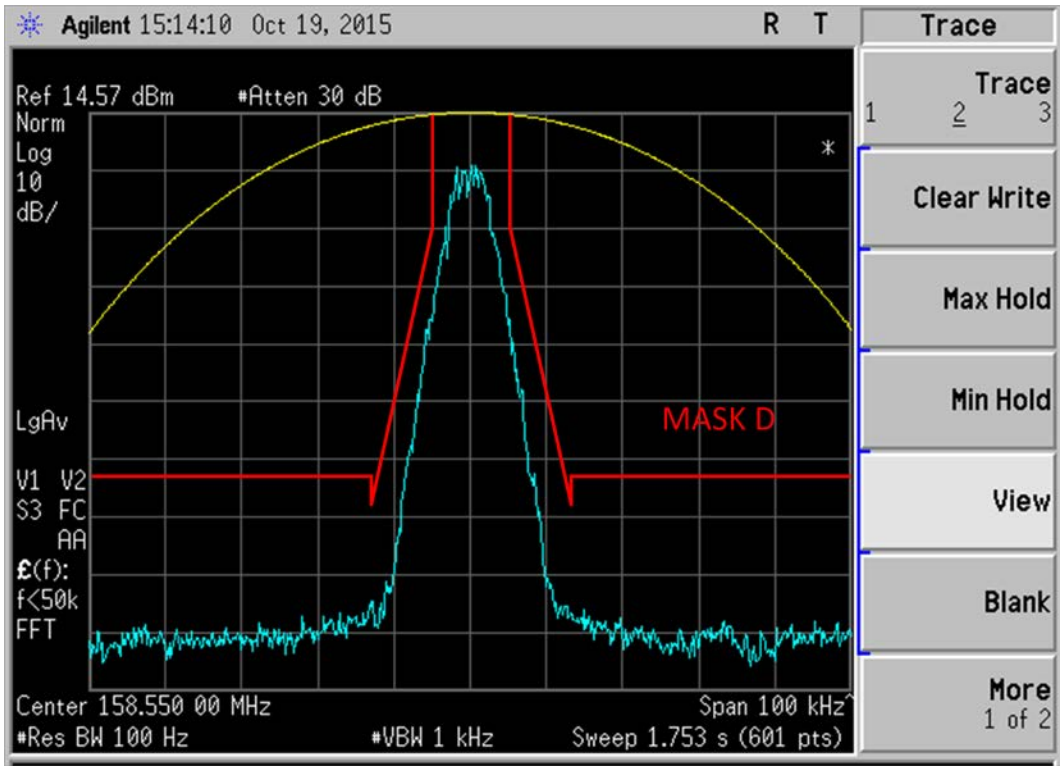


Figure 6E-8: 158.55 MHz, O.153 Test Pattern 4FSK Voice Modulation only, **7K60F1E Mask D**

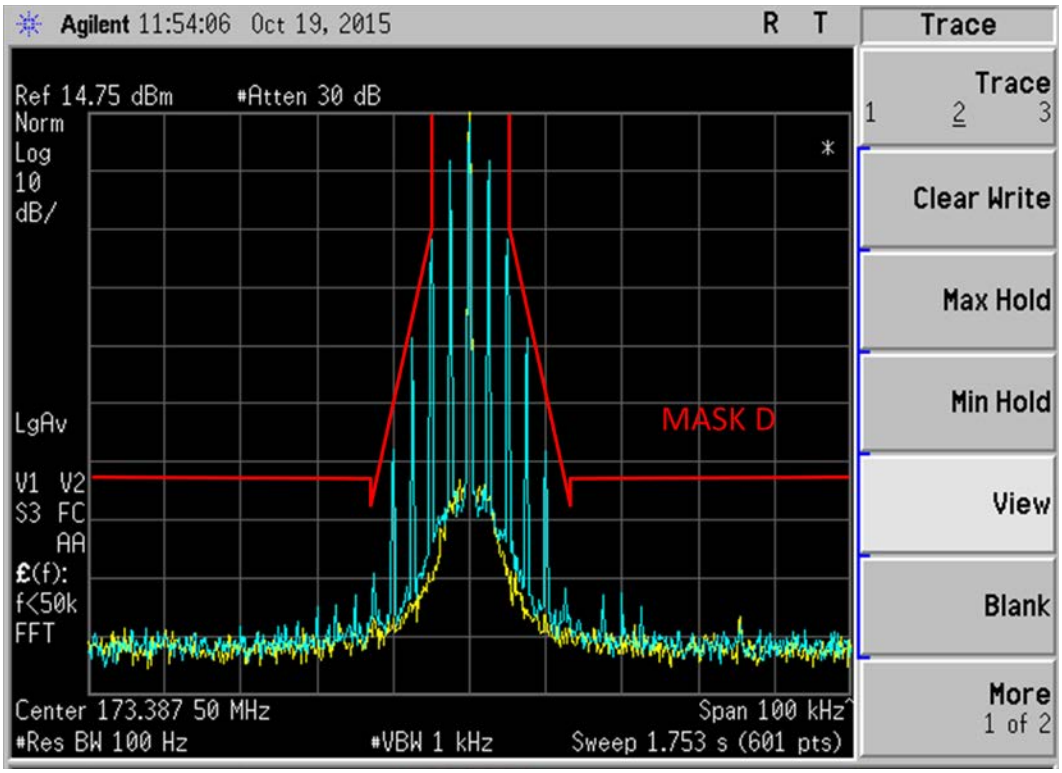


Figure 6E-9: 173.3875MHz, 12.5 kHz Channel Spacing, 2500Hz Audio Modulation only, **11K0F3E Mask D**

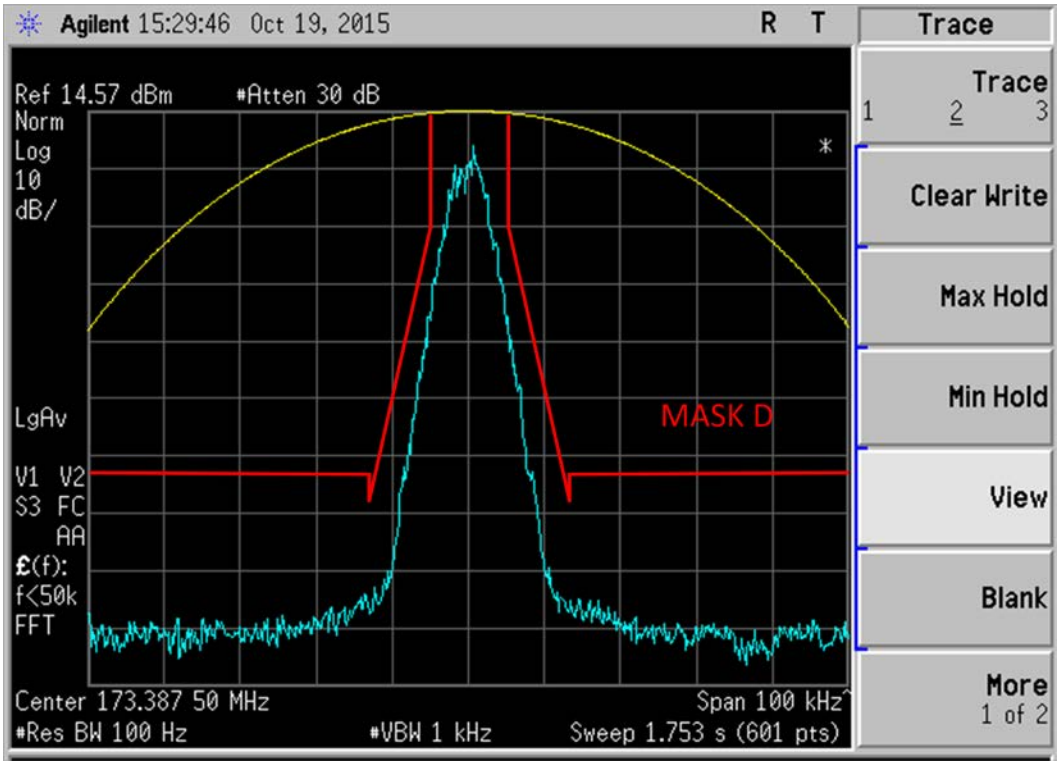


Figure 6E-10: 173.3875MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, **7K60F1W Mask D**

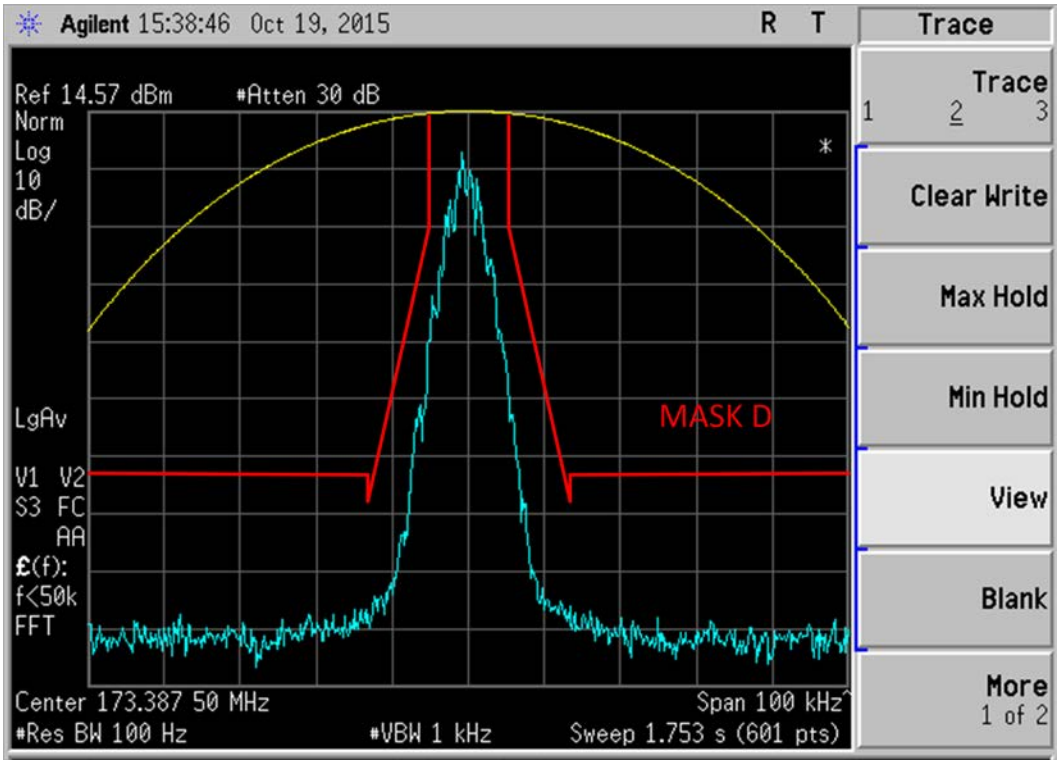


Figure 6E-11: 173.3875MHz, O.153 Test Pattern 4FSK Data Modulation only, **7K60F1D Mask D**

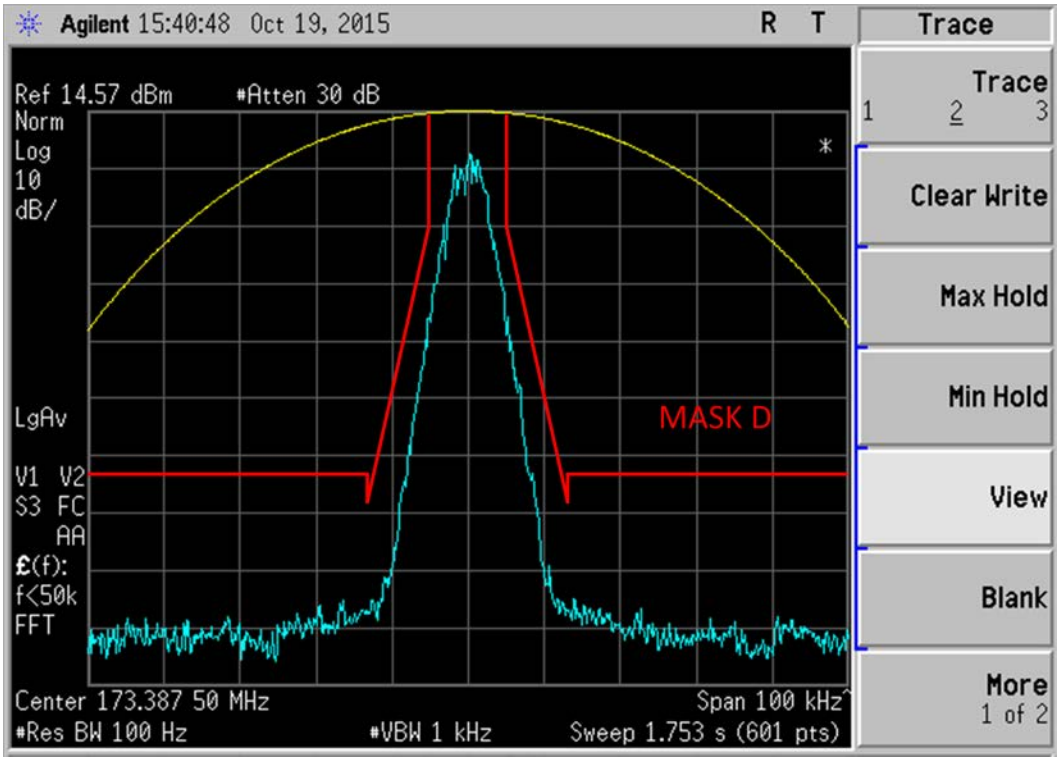


Figure 6E-12: 173.3875MHz, O.153 Test Pattern 4FSK Voice Modulation only, **7K60F1E Mask D**

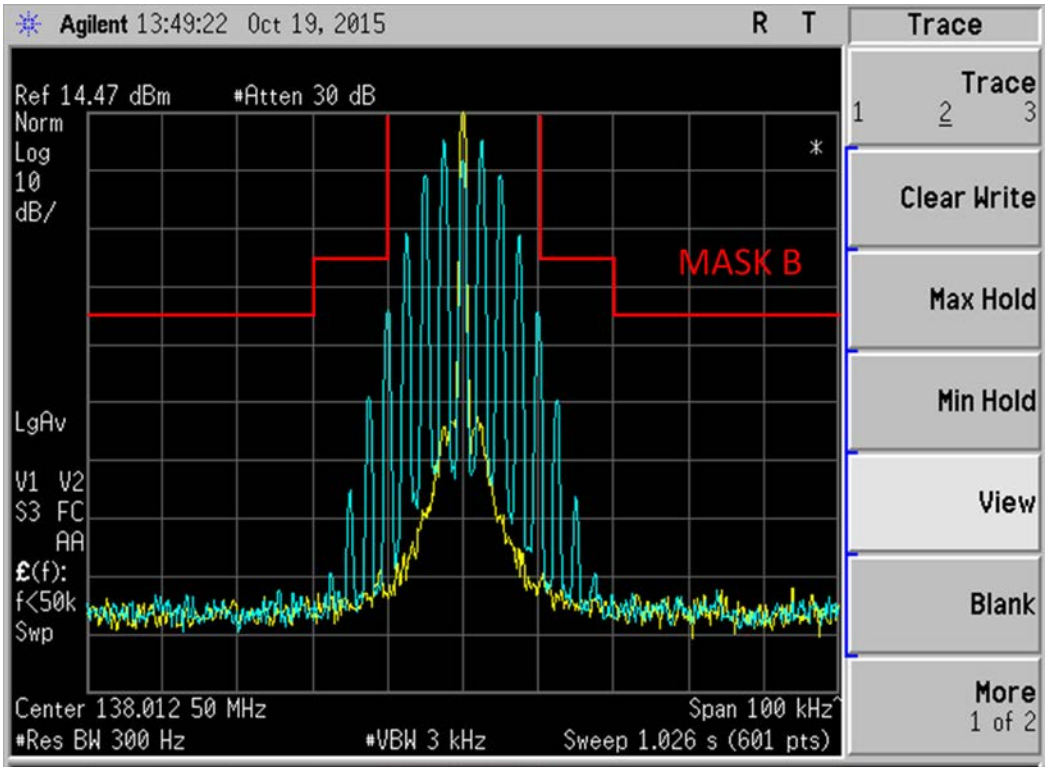


Figure 6E-13: 138.0125 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, **16K0F3E Mask B** (Not for FCC Review)

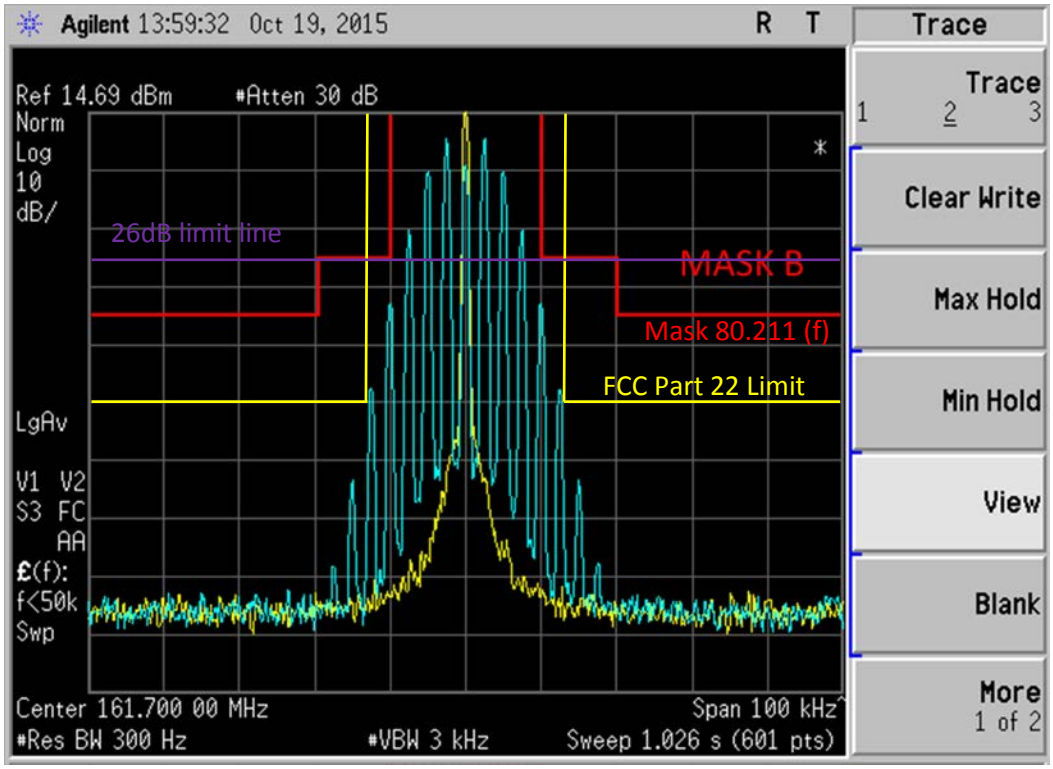


Figure 6E-14: 158.55 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, **16K0F3E Mask B, Part 22 limit, Mask 80.211(f)** (Part 22, 80)

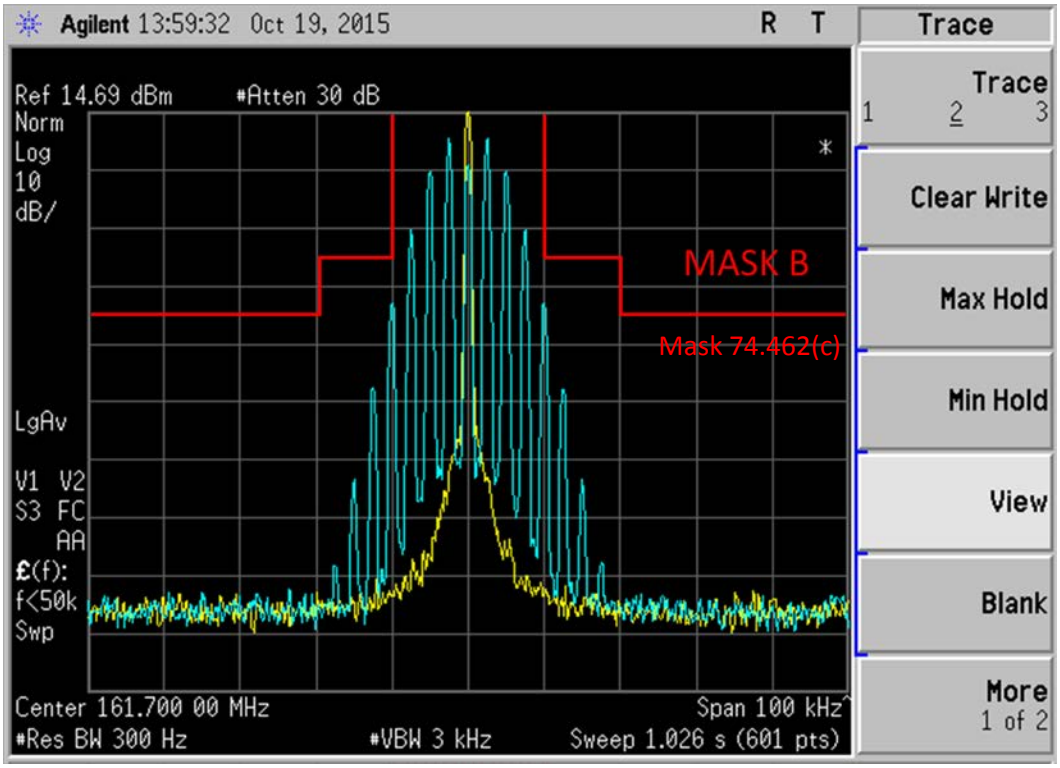


Figure 6E-15: 161.7 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, **16K0F3E Mask B, Mask 74.462 (c)** (Part 74)

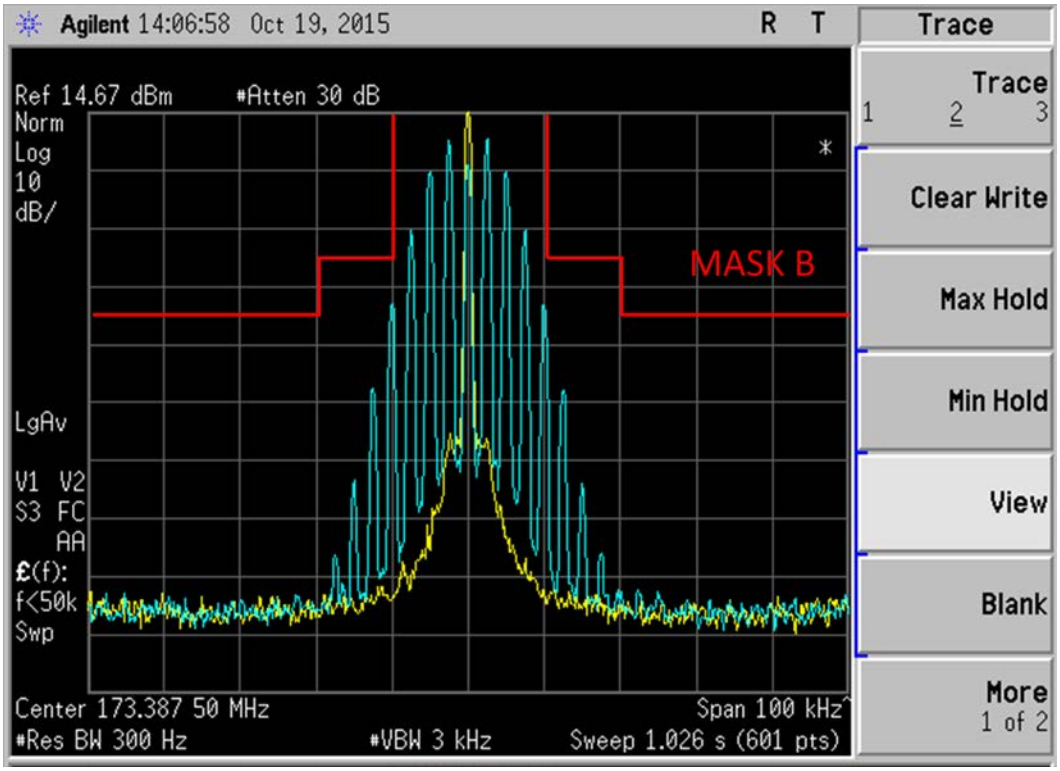


Figure 6E-16: 173.3875 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, **16K0F3E Mask B** (Not for FCC Review)

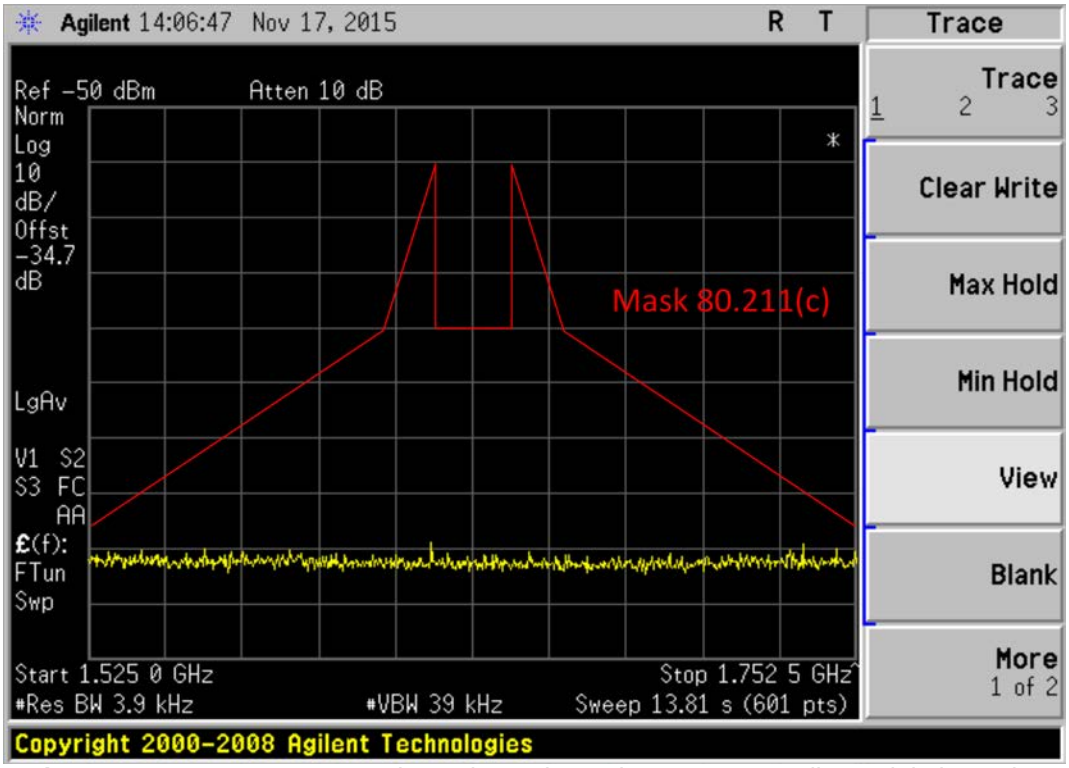


Figure 6E-17: 158.55 MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, 16K0F3E Mask 80.211 (c) (Part 80)

****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).

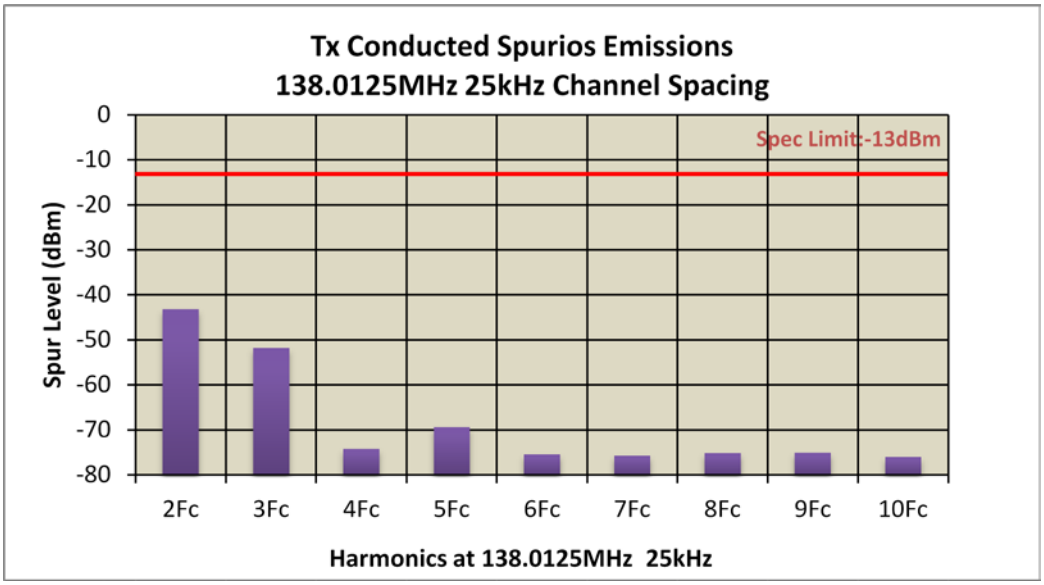


Figure 6F-1: 30 W Harmonic of Carrier 138.0125 MHz, 25 kHz Channel Spacing
(Not for FCC Review)

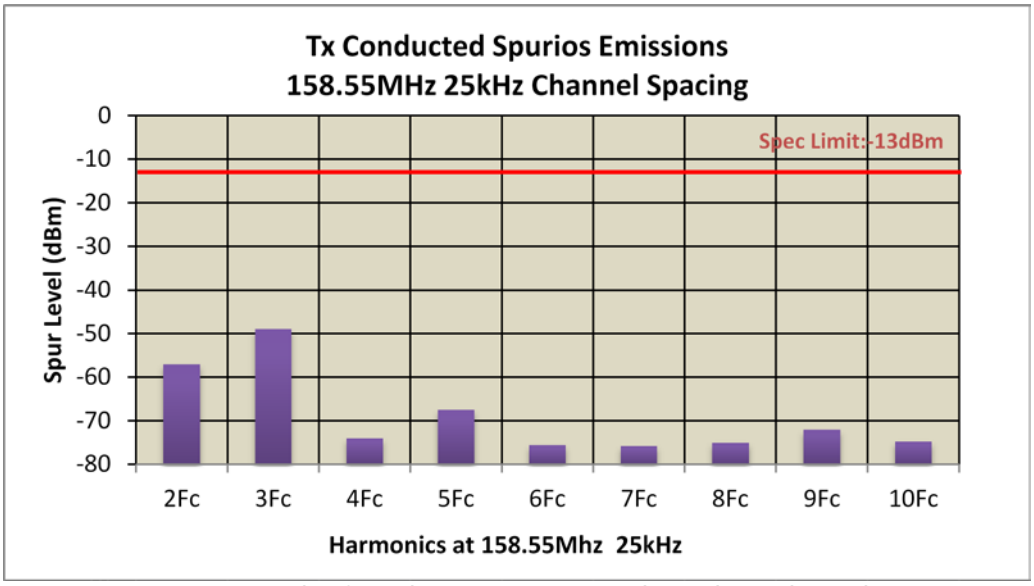


Figure 6F-2: 30 W Harmonic of Carrier 158.55 MHz, 25 kHz Channel Spacing (Part 22, 80)

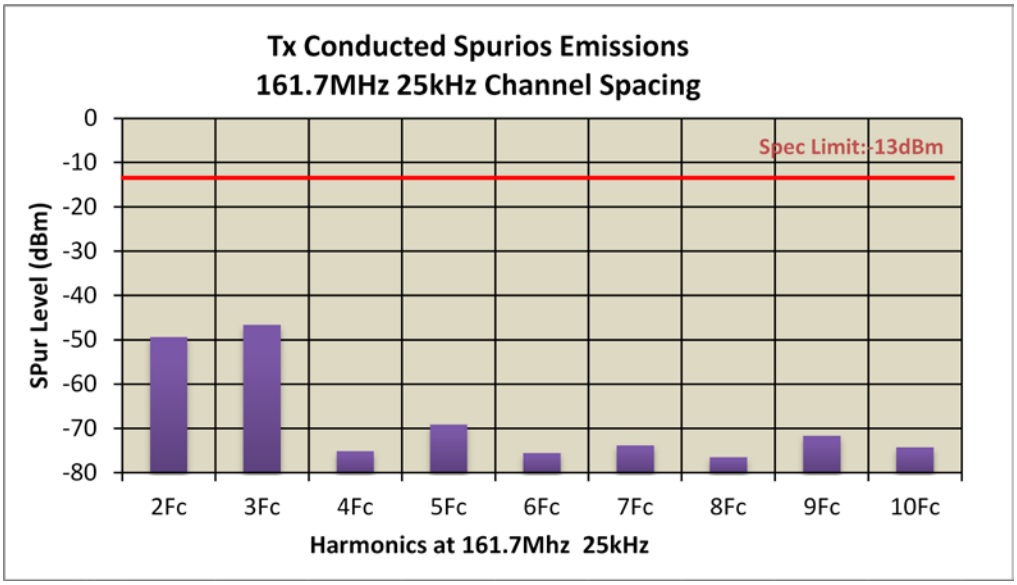


Figure 6F-3: 30 W Harmonic of Carrier 161.7 MHz, 25 kHz Channel Spacing (Part 74)

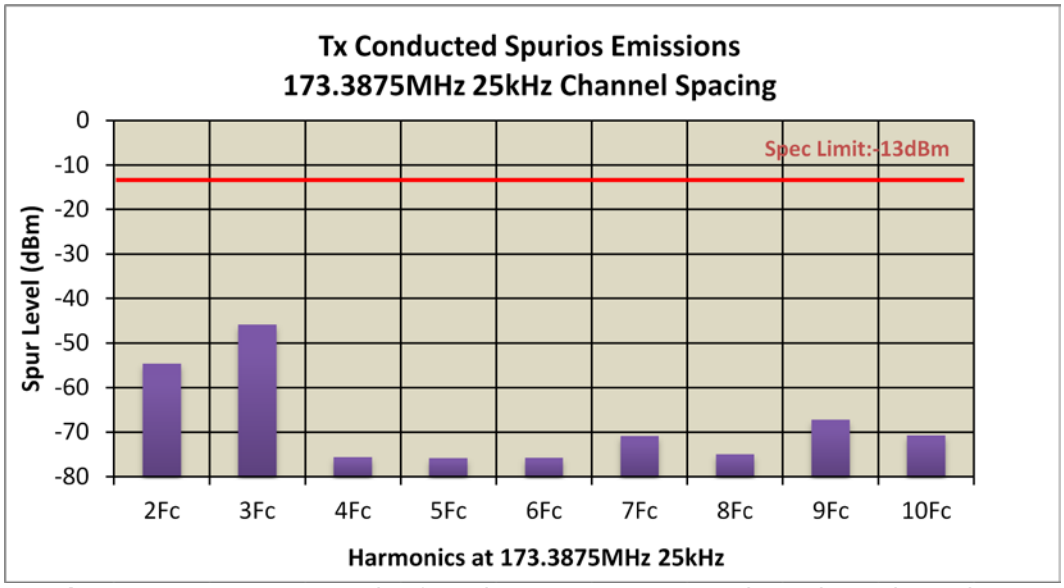


Figure 6F-4: 30 W Harmonic of Carrier 173.3875 MHz, 25 kHz Channel Spacing
(Not for FCC Review)

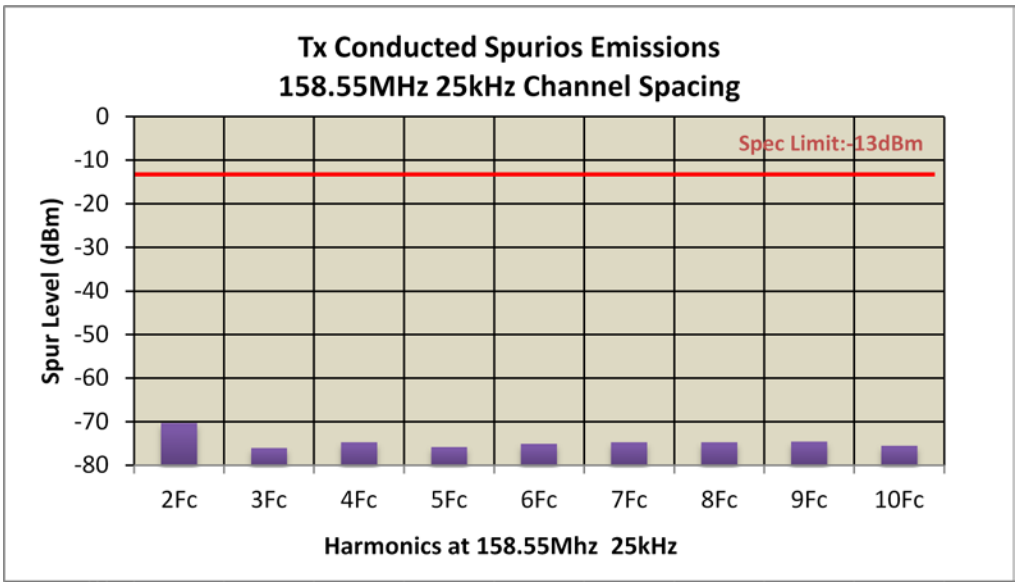


Figure 6F-5: 1W Harmonic of Carrier 158.55 MHz, 25 kHz Channel Spacing (Part 22, 80)

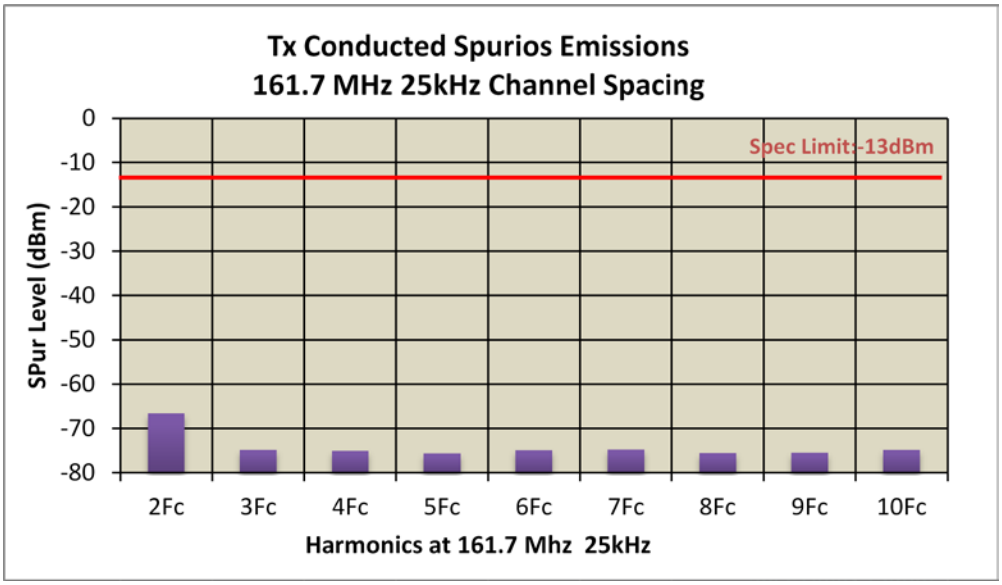


Figure 6F-6: 1W Harmonic of Carrier 161.7 MHz, 25 kHz Channel Spacing (Part 74)

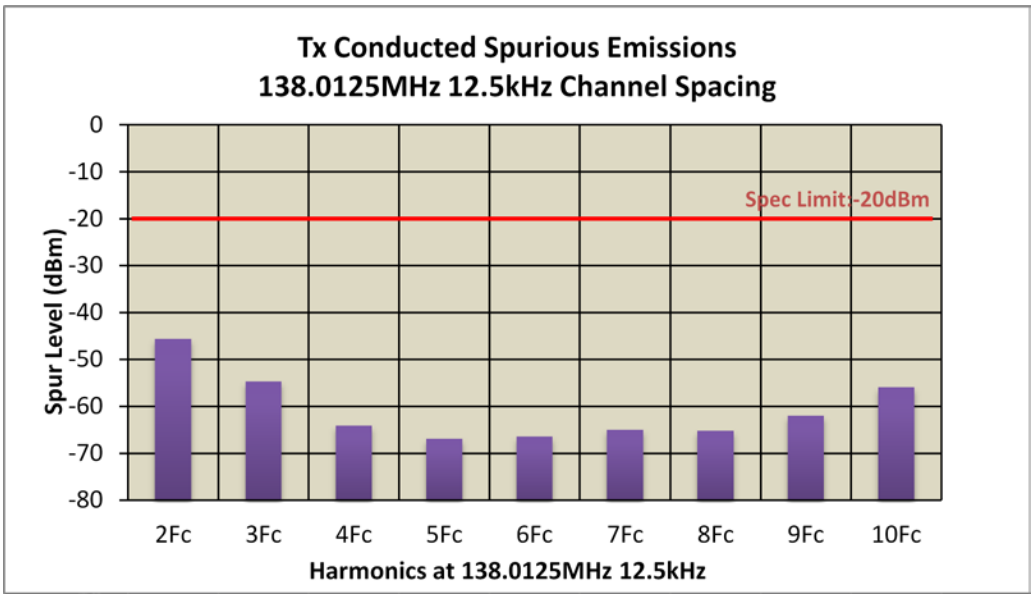


Figure 6F-7: 30 W Harmonic of Carrier 138.0125 MHz, Digital 12.5 kHz Channel Spacing (Not for FCC Review)

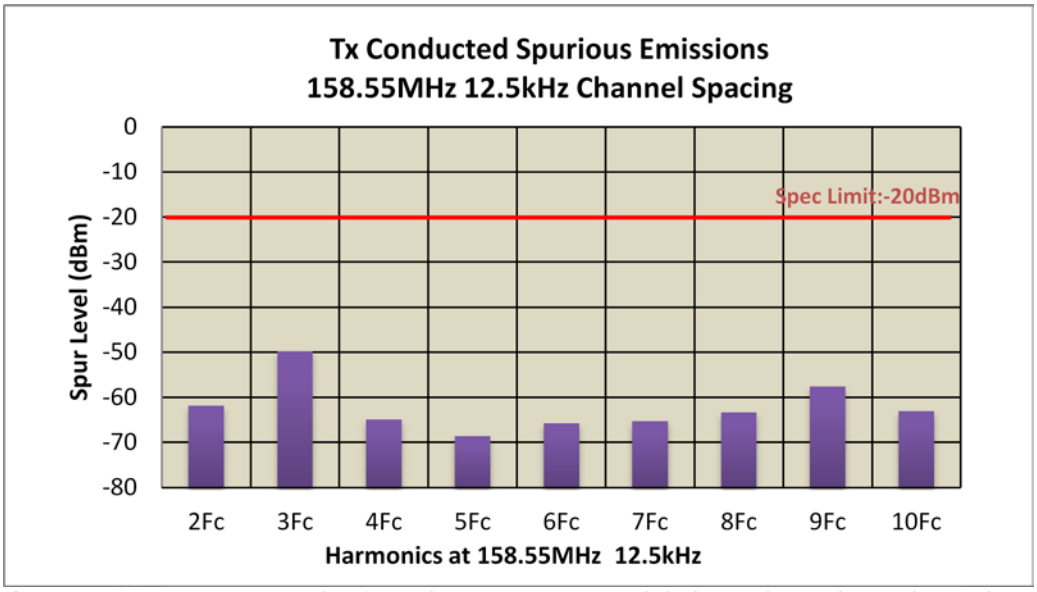


Figure 6F-8: 30 W Harmonic of Carrier 158.55 MHz, Digital 12.5 kHz Channel Spacing

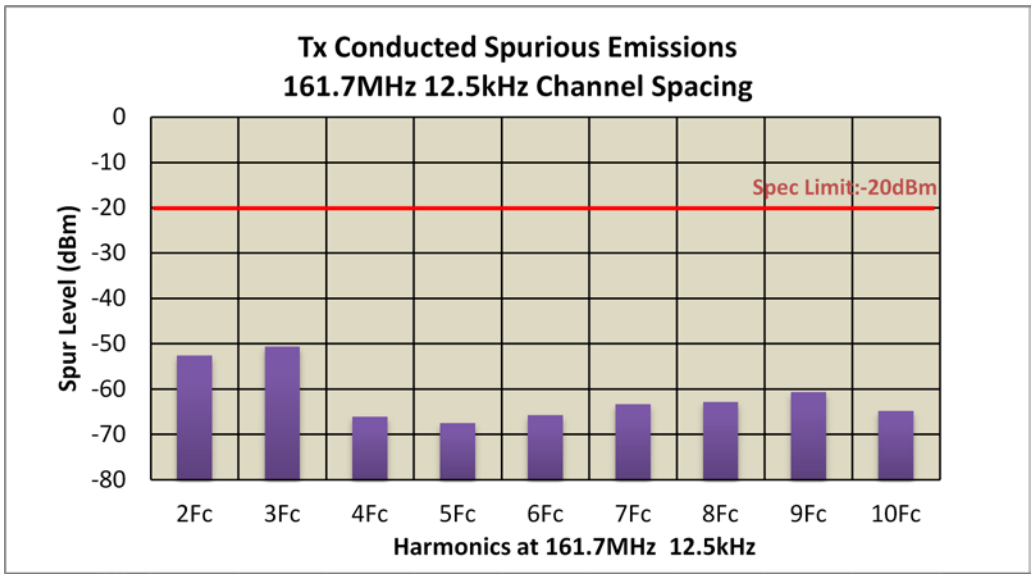


Figure 6F-9: 30 W Harmonic of Carrier 161.7 MHz, Digital 12.5 kHz Channel Spacing

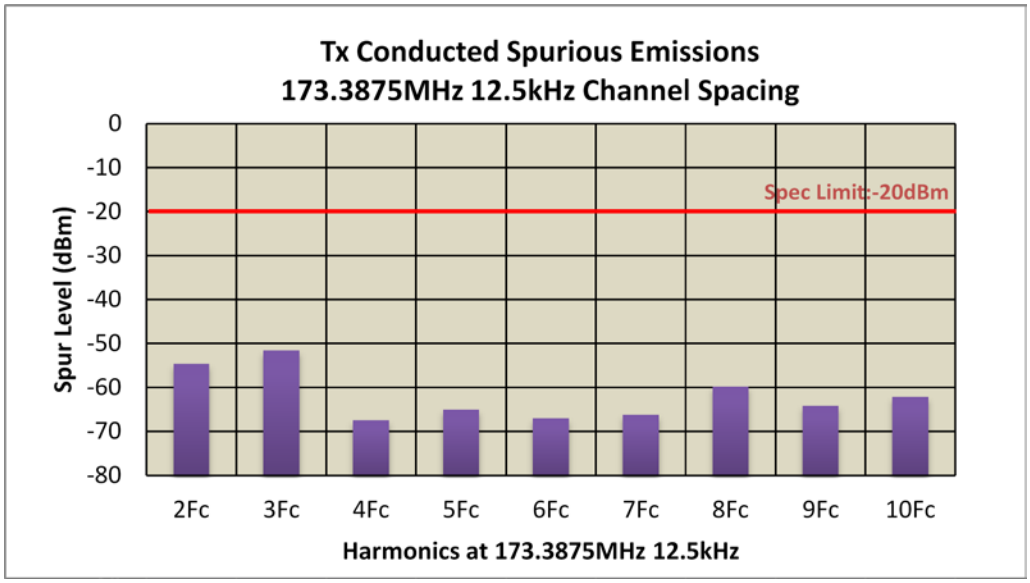


Figure 6F-10: 30 W Harmonic of Carrier 173.3875 MHz, Digital 12.5 kHz Channel Spacing

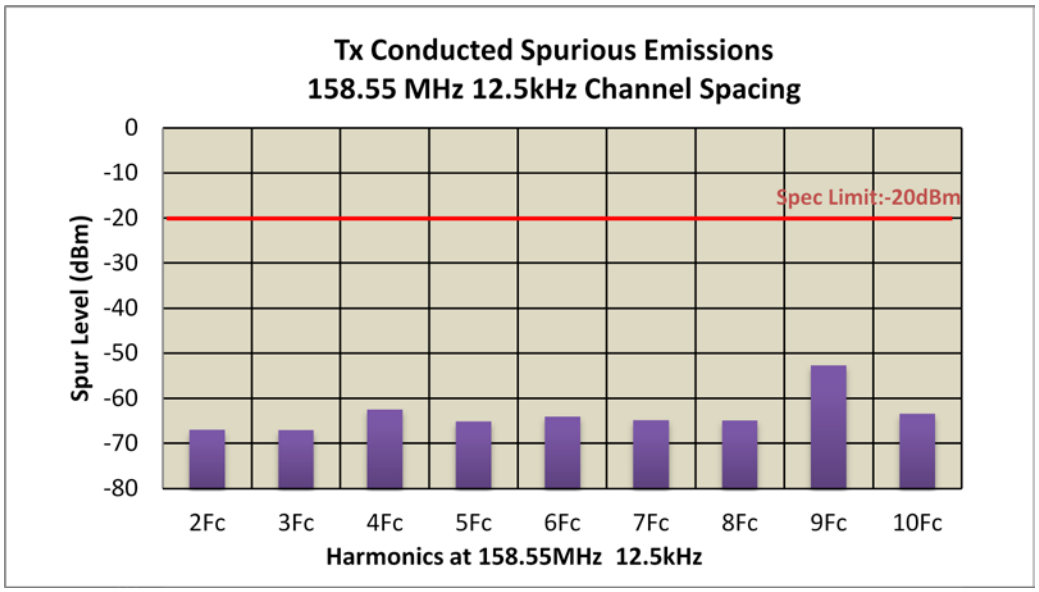


Figure 6F-11: 1W Harmonic of Carrier 158.55 MHz, Digital 12.5 kHz Channel Spacing

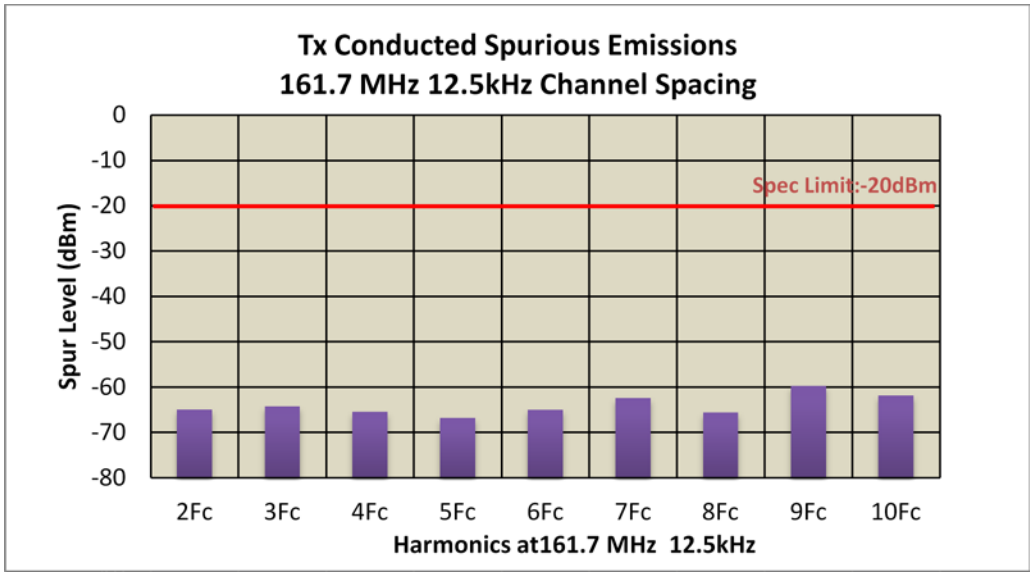


Figure 6F-12: 1W Harmonic of Carrier 161.7 MHz, Digital 12.5 kHz Channel Spacing

EXHIBIT 6G - Transmitter Radiated Spurious Emissions

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

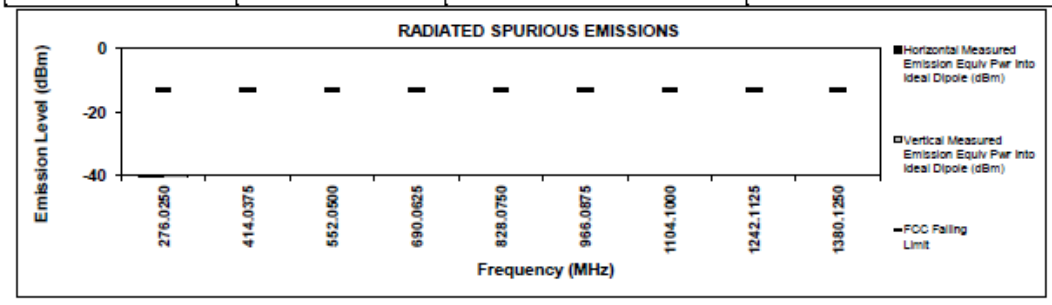
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX ANALOG Audio Accy (PPT) - RMN5127C

02808-EMC-00001

138.0125 MHz 25 kHz 30 Watt(s)/Max Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
276.0250	-13	**	**
414.0375	-13	**	**
552.0500	-13	**	**
690.0625	-13	**	**
828.0750	-13	**	**
966.0875	-13	**	**
1104.1000	-13	**	**
1242.1125	-13	**	**
1380.1250	-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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-1 – 30 Watts, 138.0125 MHz, Analog 25 kHz Channel Spacing (Not for FCC Review)

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

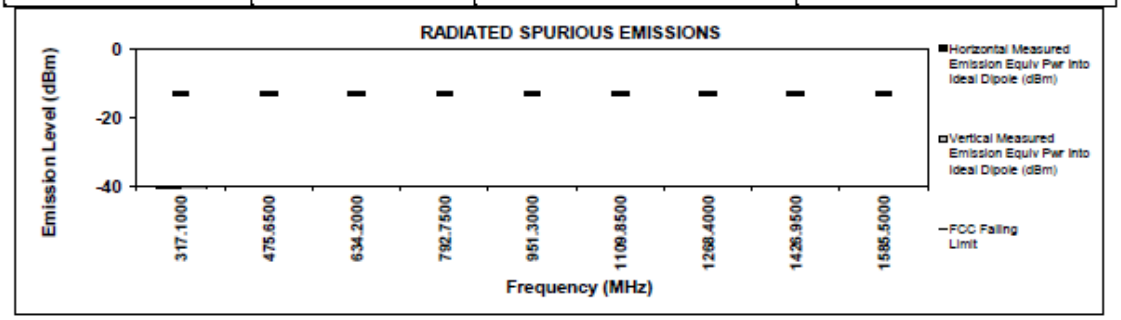
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX ANALOG Audio Accy (PPT) - RMN5127C

02808-EMC-00001

158.55 MHz 25 kHz 30 Watt(s)/Max Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
317.1000	-13	**	**
475.6500	-13	**	**
634.2000	-13	**	**
792.7500	-13	**	**
951.3000	-13	**	**
1109.8500	-13	**	**
1268.4000	-13	**	**
1426.9500	-13	**	**
1585.5000	-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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-2 – 30 Watts, 158.55 MHz, Analog 25 kHz Channel Spacing (Part 22, 80)

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

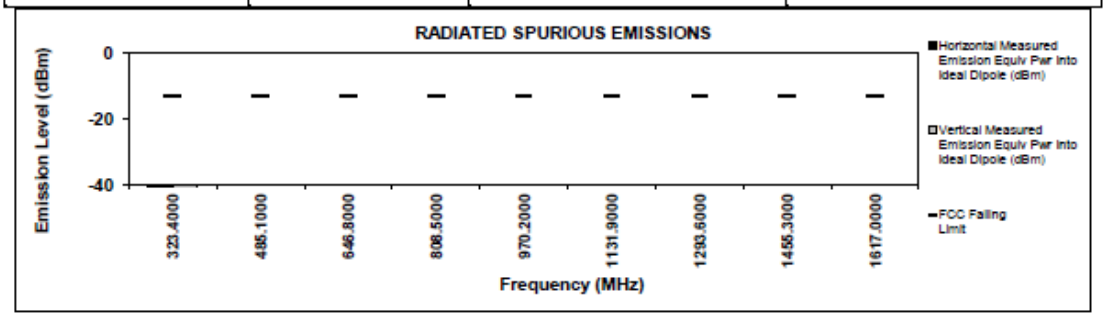
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX ANALOG Audio Accy (PPT) - RMN5127C

02808-EMC-00001

161.7 MHz 25 kHz 30 Watt(s)/Max Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.4000	-13	**	**
485.1000	-13	**	**
646.8000	-13	**	**
808.5000	-13	**	**
970.2000	-13	**	**
1131.9000	-13	**	**
1293.6000	-13	**	**
1455.3000	-13	**	**
1617.0000	-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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-3 – 30 Watts, 161.7 MHz, Analog 25 kHz Channel Spacing (Part 74)

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

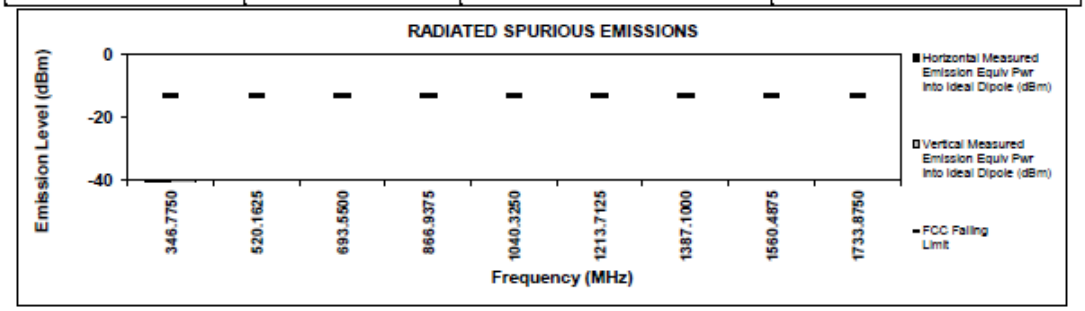
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX ANALOG Audio Accy (PPT) - RMN5127C

02808-EMC-00001

173.3875 MHz 25 kHz 30 Watt(s)/Max Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
346.7750	-13	**	**
520.1625	-13	**	**
693.5500	-13	**	**
866.9375	-13	**	**
1040.3250	-13	**	**
1213.7125	-13	**	**
1387.1000	-13	**	**
1560.4875	-13	**	**
1733.8750	-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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks: Passed Results | Marginal Results | Failed Results

Figure 6G-4 – 30 Watts, 173.3875 MHz, Analog 25 kHz Channel Spacing (Not for FCC Review)

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

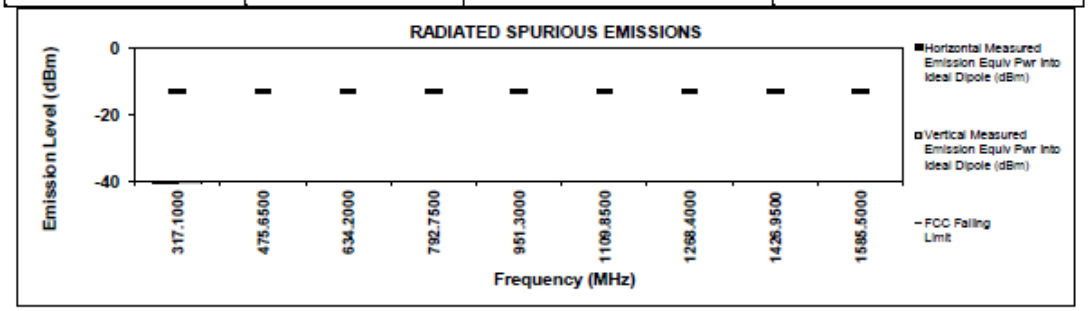
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX ANALOG Audio Accy (PPT) - RMN5127C

02808-EMC-00001

158.55 MHz 25 kHz 1 Watt(s)/Low Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
317.1000	-13	**	**
475.6500	-13	**	**
634.2000	-13	**	**
792.7500	-13	**	**
951.3000	-13	**	**
1109.8500	-13	**	**
1268.4000	-13	**	**
1426.9500	-13	**	**
1585.5000	-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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-5 – 1 Watts, 158.55 MHz, Analog 25 kHz Channel Spacing (Part 22, 80)

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

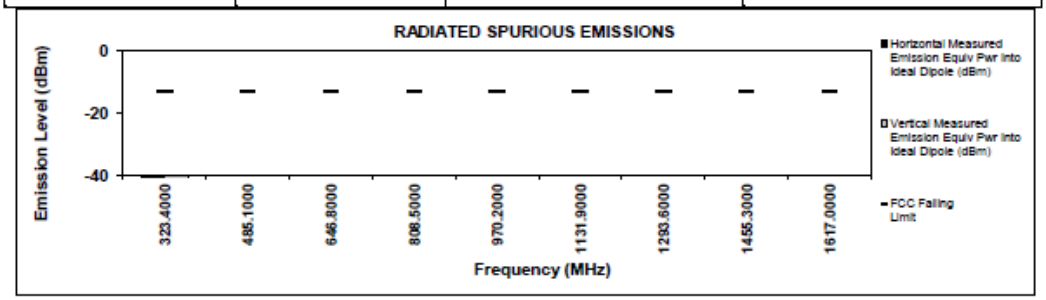
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX ANALOG Audio Accy (PPT) - RMN5127C

02808-EMC-00001

161.7 MHz 25 kHz 1 Watt(s)/Low Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.4000	-13	**	**
485.1000	-13	**	**
646.8000	-13	**	**
808.5000	-13	**	**
970.2000	-13	**	**
1131.9000	-13	**	**
1293.6000	-13	**	**
1455.3000	-13	**	**
1617.0000	-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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-6 – 1 Watts, 161.7 MHz, Analog 25 kHz Channel Spacing (Part 74)

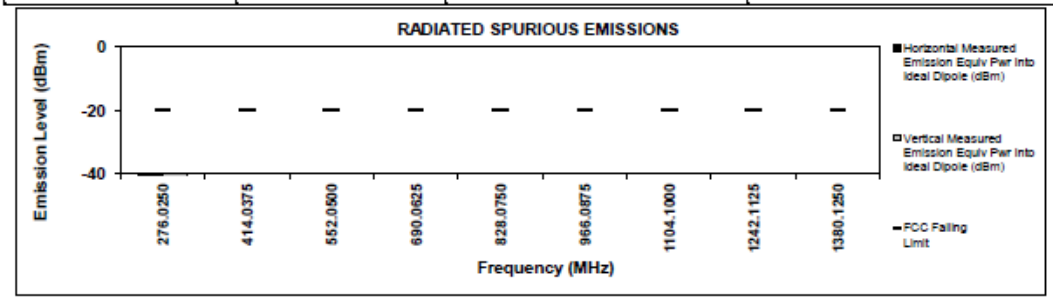
FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX DIGITAL Audio Accy (PPT) - RMN5127C
02808-EMC-00001
138.0125 MHz 12.5 kHz 30 Watt(s)/Max Power S/N: 511TRP5865

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



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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks: Passed Results | Marginal Results | Failed Results

Figure 6G-7 – 30 Watts, 138.0125 MHz Digital 12.5 kHz Channel Spacing (Not for FCC Review)

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

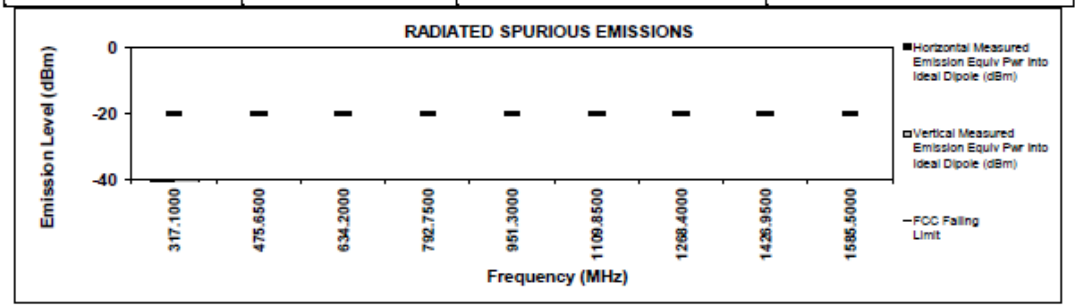
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX DIGITAL Audio Accy (PPT) - RMN5127C

02808-EMC-00001

158.55 MHz 12.5 kHz 30 Watt(s)/Max Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
317.1000	-20	**	**
475.6500	-20	**	**
634.2000	-20	**	**
792.7500	-20	**	**
951.3000	-20	**	**
1109.8500	-20	**	**
1268.4000	-20	**	**
1426.9500	-20	**	**
1585.5000	-20	**	**



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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-8 – 30 Watts, 158.55 MHz, Digital 12.5 kHz Channel Spacing

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

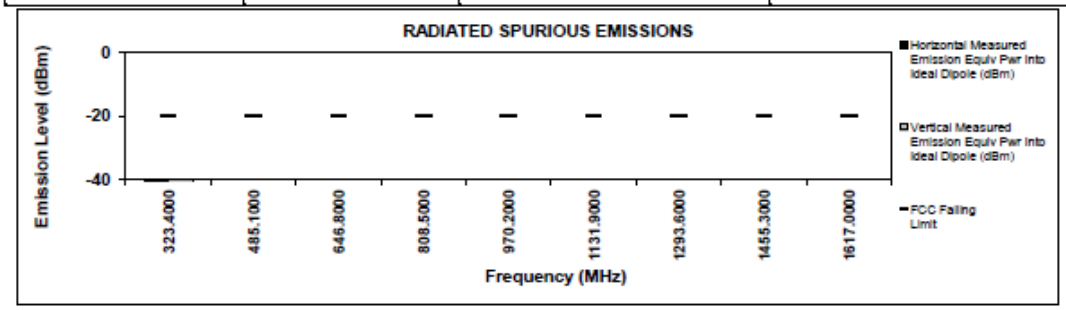
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX DIGITAL Audio Accy (PPT) - RMN5127C

02808-EMC-00001

161.7 MHz 12.5 kHz 30 Watt(s)/Max Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.4000	-20	**	**
485.1000	-20	**	**
646.8000	-20	**	**
808.5000	-20	**	**
970.2000	-20	**	**
1131.9000	-20	**	**
1293.6000	-20	**	**
1455.3000	-20	**	**
1617.0000	-20	**	**



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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-9 – 30 Watts, 161.7 MHz, Digital 12.5 kHz Channel Spacing

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

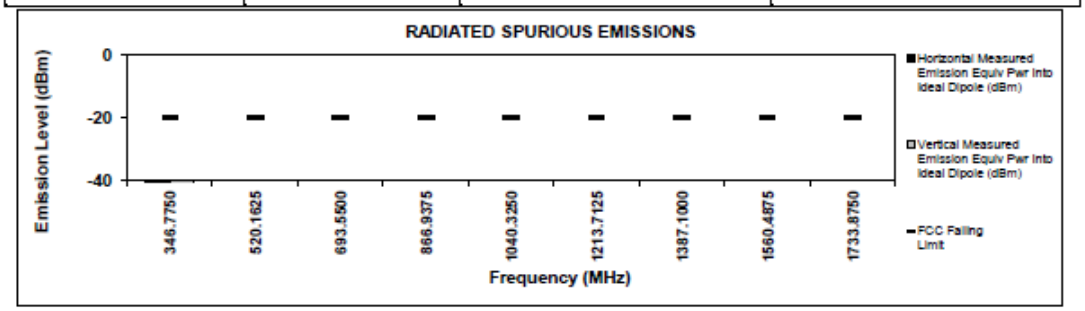
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX DIGITAL Audio Accy (PPT) - RMN5127C

02808-EMC-00001

173.3875 MHz 12.5 kHz 30 Watt(s)/Max Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
346.7750	-20	**	**
520.1625	-20	**	**
693.5500	-20	**	**
866.9375	-20	**	**
1040.3250	-20	**	**
1213.7125	-20	**	**
1387.1000	-20	**	**
1560.4875	-20	**	**
1733.8750	-20	**	**



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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-10 – 30 Watts, 173.3875 MHz, Digital 12.5 kHz Channel Spacing

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

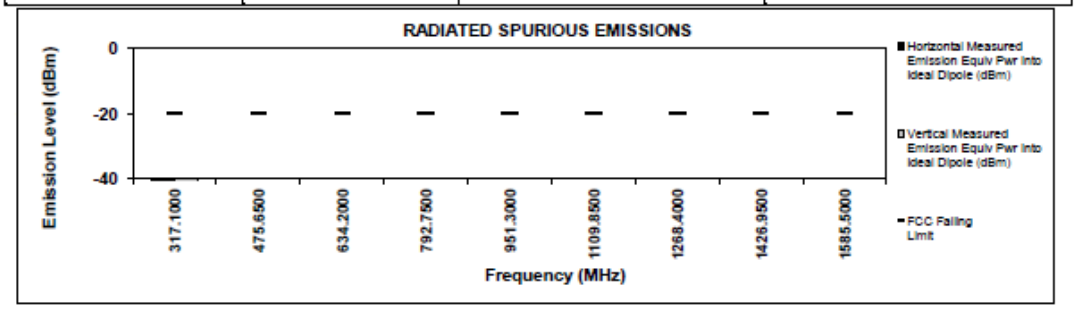
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX DIGITAL Audio Accy (PPT) - RMN5127C

02808-EMC-00001

158.55 MHz 12.5 kHz 1 Watt(s)/Low Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
317.1000	-20	**	**
475.6500	-20	**	**
634.2000	-20	**	**
792.7500	-20	**	**
951.3000	-20	**	**
1109.8500	-20	**	**
1268.4000	-20	**	**
1426.9500	-20	**	**
1585.5000	-20	**	**



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 September 3, 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): 24.6 Hum(%RH): 70.5

Remarks:

Passed Results	Marginal Results	Failed Results

Figure 6G-11 – 1 Watts, 158.55 MHz, Digital 12.5 kHz Channel Spacing

FCC ID: AZ492FT7082
IC ID: 109U-92FT7082

Motorola Solutions.

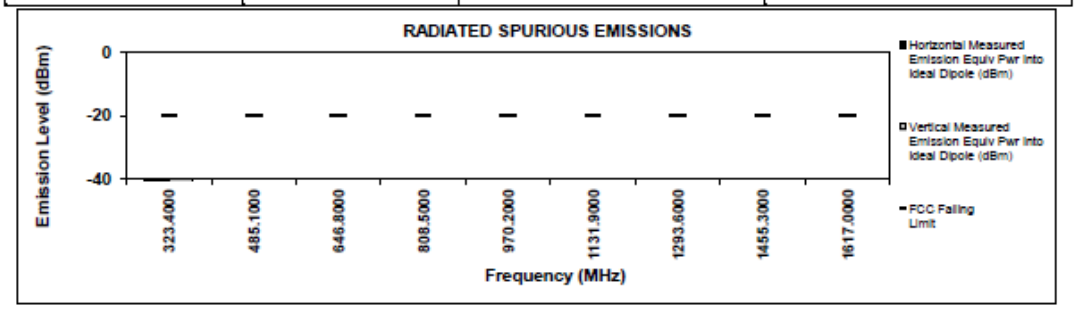
TRANSMITTER RADIATED SPURIOUS EMISSIONS: BALI REFRESH MOBILE 136-174MHZ 1-25W

MODEL #: XPR 5550e TX DIGITAL Audio Accy (PPT) - RMN5127C

02808-EMC-00001

161.7 MHz 12.5 kHz 1 Watt(s)/Low Power S/N: 511TRP5865

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.4000	-20	**	**
485.1000	-20	**	**
646.8000	-20	**	**
808.5000	-20	**	**
970.2000	-20	**	**
1131.9000	-20	**	**
1293.6000	-20	**	**
1455.3000	-20	**	**
1617.0000	-20	**	**



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 September 3, 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

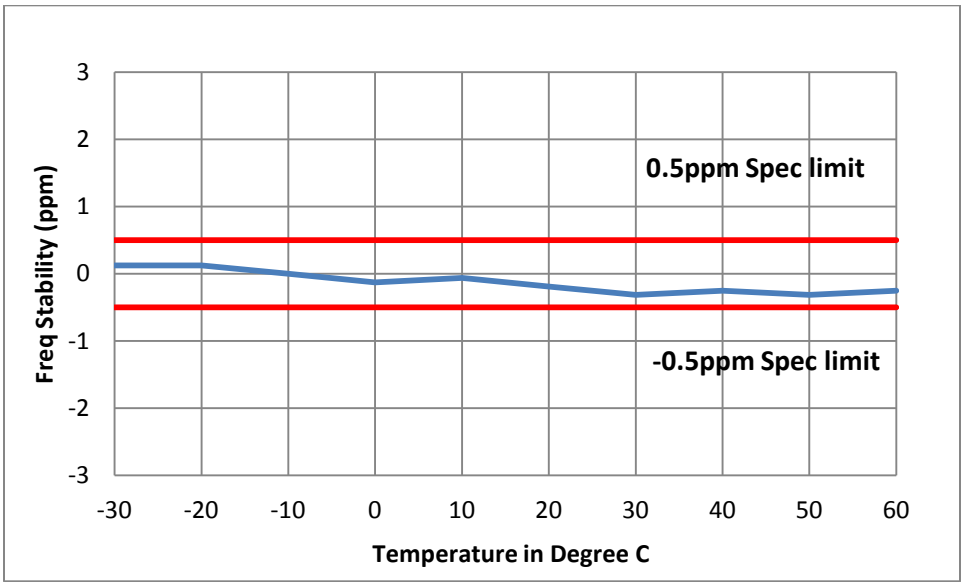
Temp(Deg): 24.6 Hum(%RH): 70.5

Remarks:

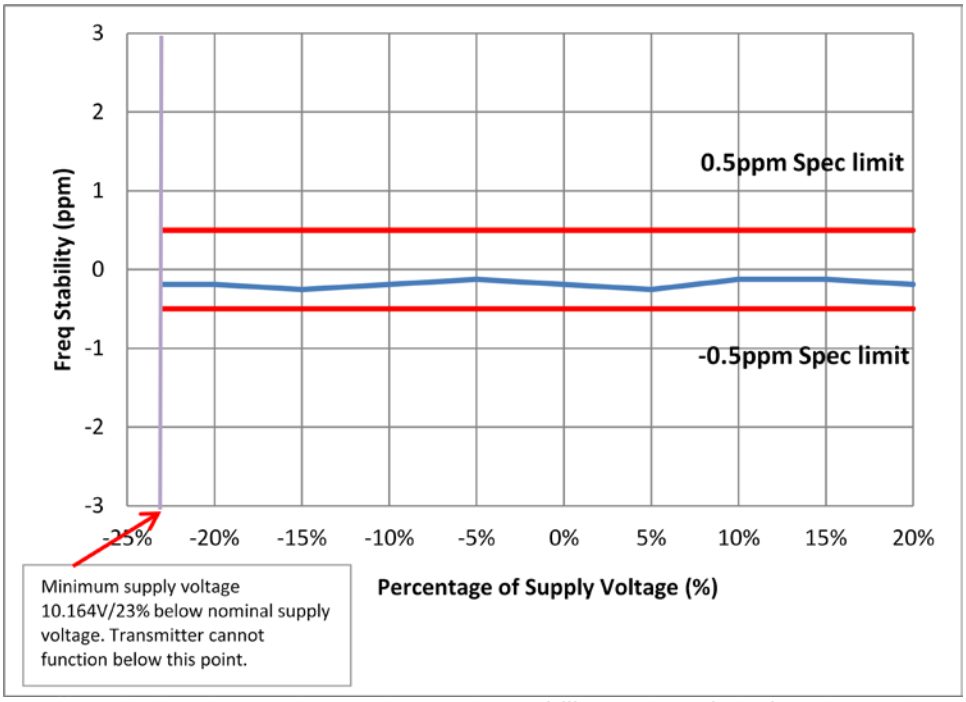
Passed Results	Marginal Results	Failed Results

Figure 6G-12 – 1 Watts, 161.7 MHz, Digital 12.5 kHz Channel Spacing

EXHIBIT 6H – Frequency Stability

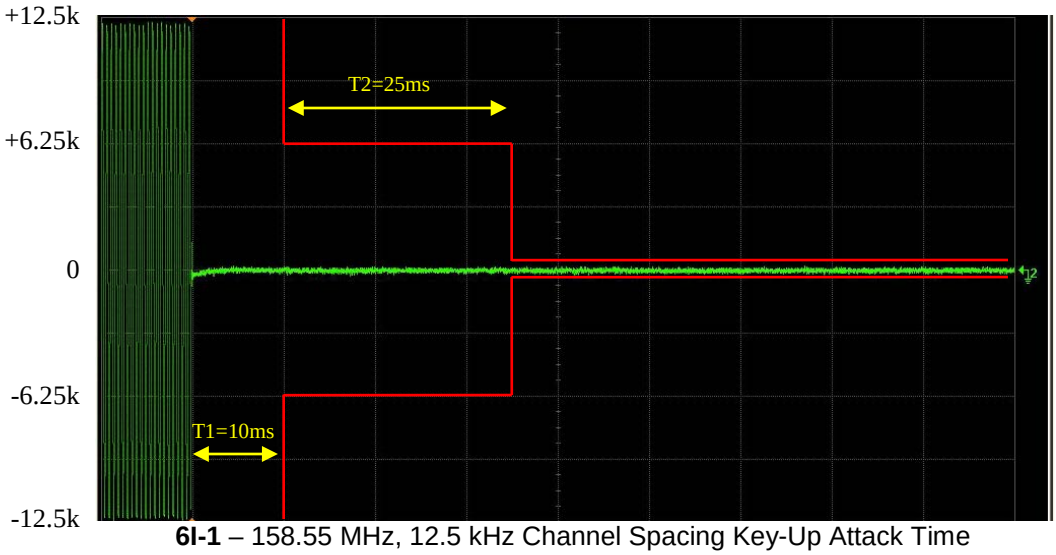


6H-1 – 158.55 MHz Frequency Stability vs. Temperature

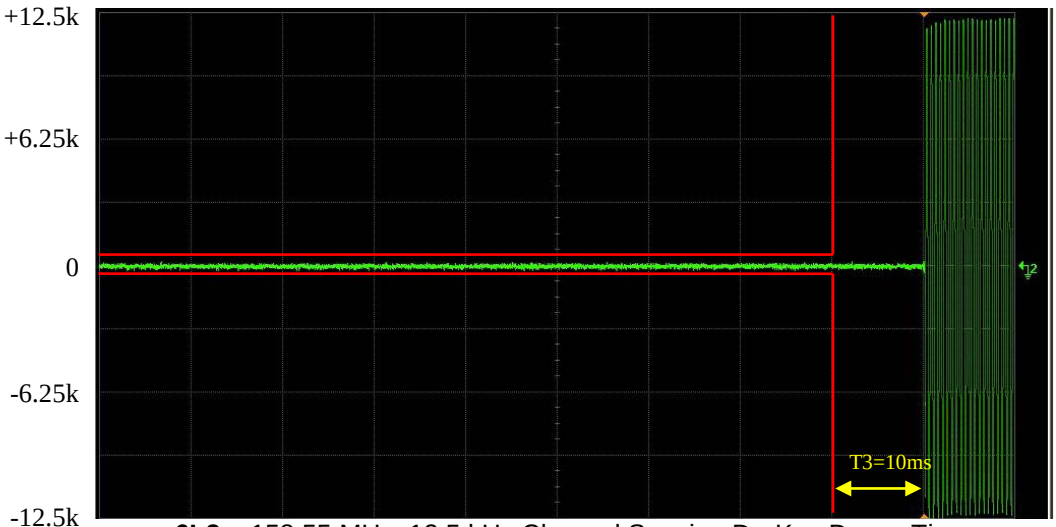


6H-2 – 158.55 MHz Frequency Stability vs. Supply Voltage

EXHIBIT 6I – Transient Frequency Behavior

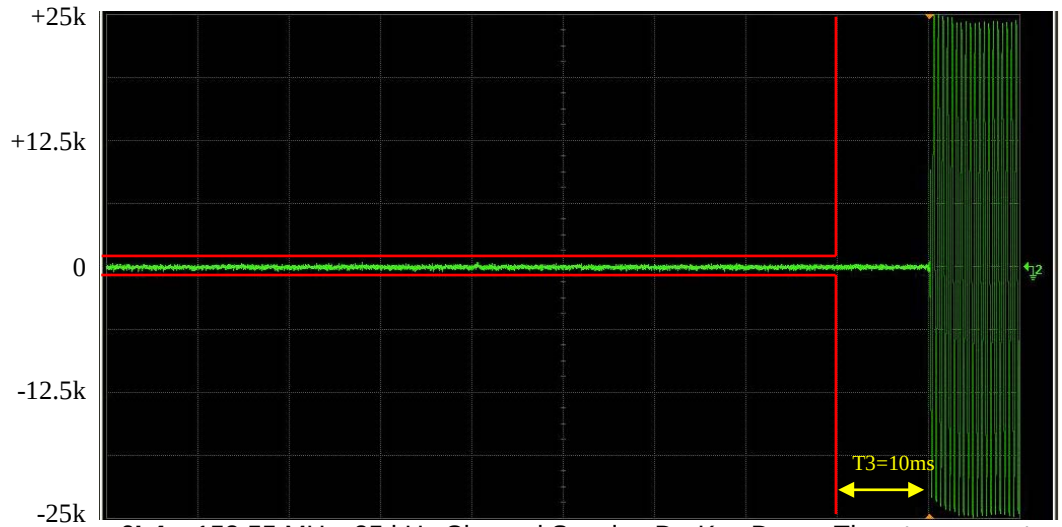


6I-1 – 158.55 MHz, 12.5 kHz Channel Spacing Key-Up Attack Time



6I-2 – 158.55 MHz, 12.5 kHz Channel Spacing De-Key Decay Time

6I-3 – 158.55 MHz, 25 kHz Channel Spacing Key-Up Attack Time (Part 22, 80)



6I-4 – 158.55 MHz, 25 kHz Channel Spacing De-Key Decay Time (Part 22, 80)