

EXHIBIT 6

INDEX OF SUBMITTED MEASURED DATA

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

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- 6E-15: 901.5 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask 24.133 (Part 24)
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- 6F-1: 2.4W, Harmonic of Carrier 896.0125 MHz, 12.5 kHz Channel Spacing
- 6F-2: 2.4W, Harmonic of Carrier 900.9875 MHz, 12.5 kHz Channel Spacing
- 6F-3: 2.4W, Harmonic of Carrier 901.5000 MHz, 12.5 kHz Channel Spacing (Part 24)
- 6F-4: 2.4W, Harmonic of Carrier 935.0125 MHz, 12.5 kHz Channel Spacing
- 6F-5: 2.4W, Harmonic of Carrier 939.9875 MHz, 12.5 kHz Channel Spacing
- 6F-6: 2.4W, Harmonic of Carrier 940.5000 MHz, 12.5 kHz Channel Spacing (Part 24)

EXHIBIT 6G – Transmit Radiated Spurious Emissions

- 6G-1: 2.4W, Harmonic of Carrier 896.0125 MHz, 12.5 kHz Channel Spacing
- 6G-2: 2.4W, Harmonic of Carrier 900.9875 MHz, 12.5 kHz Channel Spacing
- 6G-3: 2.4W, Harmonic of Carrier 901.9875 MHz, 12.5 kHz Channel Spacing (Part 24)
- 6G-4: 2.4W, Harmonic of Carrier 935.0125 MHz, 12.5 kHz Channel Spacing
- 6G-5: 2.4W, Harmonic of Carrier 939.9875 MHz, 12.5 kHz Channel Spacing
- 6G-6: 2.4W, Harmonic of Carrier 940.9875 MHz, 12.5 kHz Channel Spacing (Part 24)

EXHIBIT 6H - Frequency Stability

6H-1 – 1.5 ppm Frequency Stability vs. Temperature (896.0125 MHz)

6H-2 – 1.5 ppm Frequency Stability vs. Temperature (940.5 MHz) (Part 24)

6H-3 – 1.5 ppm Frequency Stability vs. Supply Voltage (896.0125 MHz)

6H-4 – 1.5 ppm Frequency Stability vs. Supply Voltage (940.5 MHz) (Part 24)

EXHIBIT 6I – Effective Radiated Power

** Please note that the above data were taken following the procedures and limits outlined in TIA 603-D and RSS 119 and 134 during the month of November 2015. See Table 2 in Ex07_test procedures

Radio model tested: AAH81WCN9TB2AN

Important Note: The data in this test report meets or exceeds the technical requirements of FCC Rule Parts 24 and 90

EXHIBIT 6A

RF Conducted Output Power:

Frequency= 896.0125 MHz:

Output RF power	2.22 Watts
DC Voltage	3.70 Volts
DC Current	2.07 Amps

Output RF power	1.04 Watts
DC Voltage	3.70 Volts
DC Current	1.31 Amps

Frequency= 900.9875 MHz:

Output RF power	2.28 Watts
DC Voltage	3.70 Volts
DC Current	2.10 Amps

Output RF power	1.05 Watts
DC Voltage	3.70 Volts
DC Current	1.29 Amps

Frequency = 901.5 MHz (Part 24):

Output RF power	2.29 Watts
DC Voltage	3.70 Volts
DC Current	2.11 Amps

Output RF power	1.07 Watts
DC Voltage	3.70 Volts
DC Current	1.29 Amps

Frequency = 935.0125 MHz:

Output RF power	2.28 Watts
DC Voltage	3.70 Volts
DC Current	2.12 Amps

Output RF power	1.11 Watts
DC Voltage	3.70 Volts
DC Current	1.26 Amps

Frequency = 939.9875 MHz:

Output RF power	2.26 Watts
DC Voltage	3.70 Volts
DC Current	2.07 Amps

Output RF power	1.08 Watts
DC Voltage	3.70 Volts
DC Current	1.21 Amps

Frequency = 940.5 MHz (Part 24):

Output RF power	2.25 Watts
DC Voltage	3.70 Volts
DC Current	2.07 Amps
Output RF power	1.09 Watts
DC Voltage	3.70 Volts
DC Current	1.20 Amps

EXHIBIT 6B

Transmit Audio Frequency Response

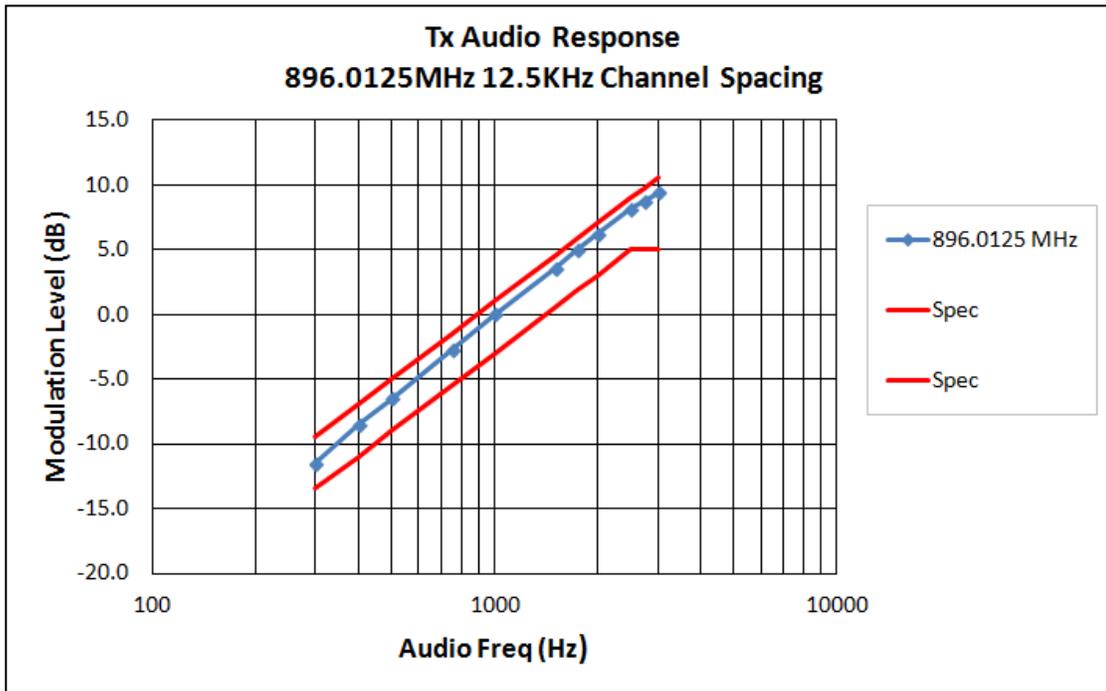


Figure 6B-1: 12.5 kHz Channel Spacing, 896.0125 MHz, Transmit Audio Frequency Response

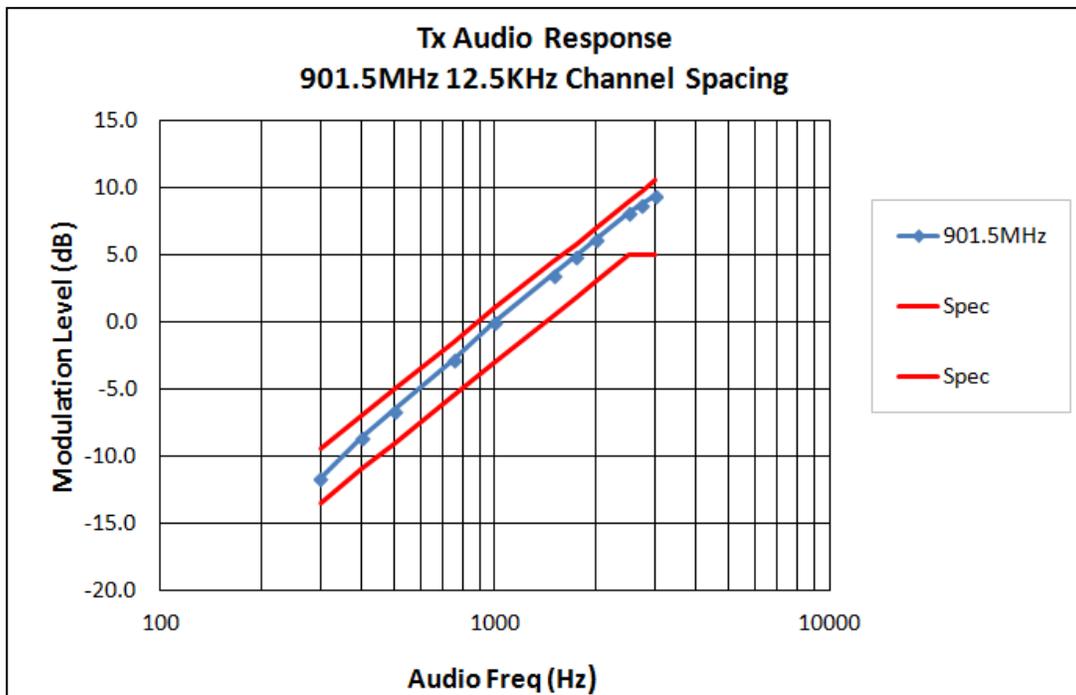


Figure 6B-2: 12.5 kHz Channel Spacing, 901.5 MHz, Transmit Audio Frequency Response (Part 24)

EXHIBIT 6C

Transmit Audio Low Pass Filter Response

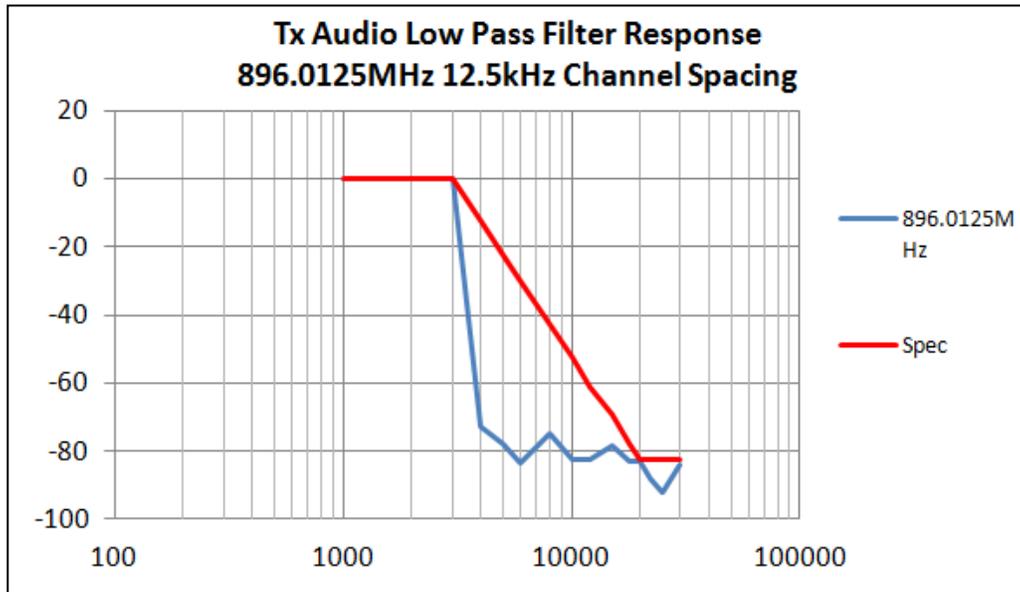


Figure 6C-1: 12.5 kHz Channel Spacing, 896.0125 MHz, Transmit Audio Low Pass Filter Response

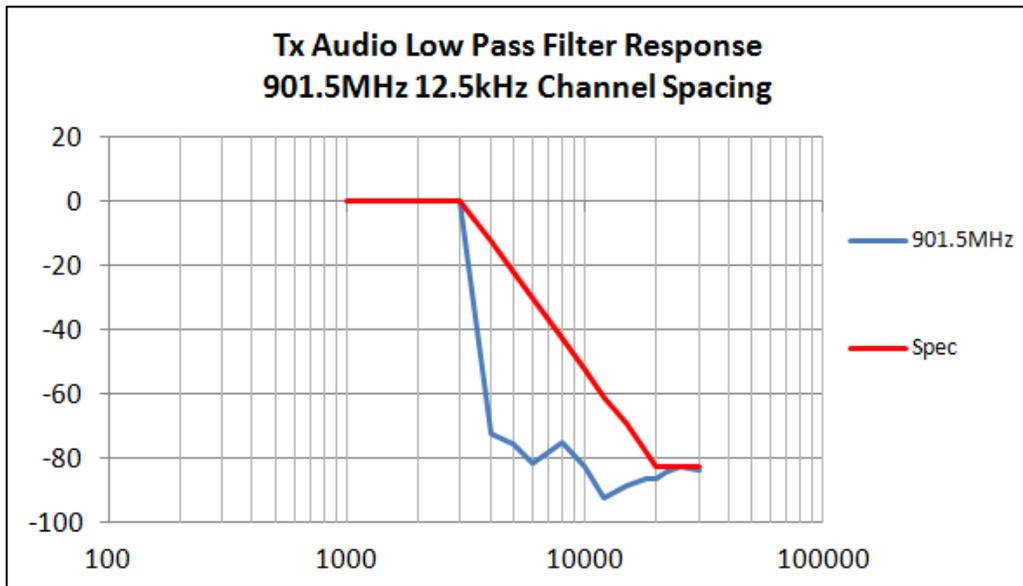


Figure 6C-2: 12.5 kHz Channel Spacing, 901.5 MHz, Transmit Audio Low Pass Filter Response (Part 24)

EXHIBIT 6D

Modulation Limiting

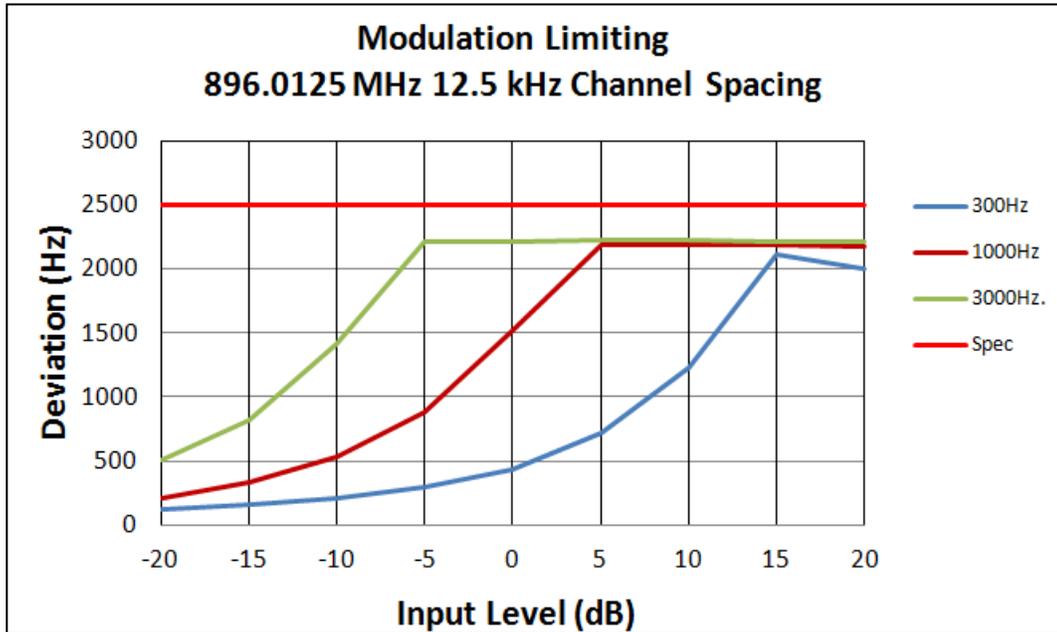


Figure 6D-1: 12.5 kHz Channel Spacing, 896.0125 MHz, Modulation Limiting

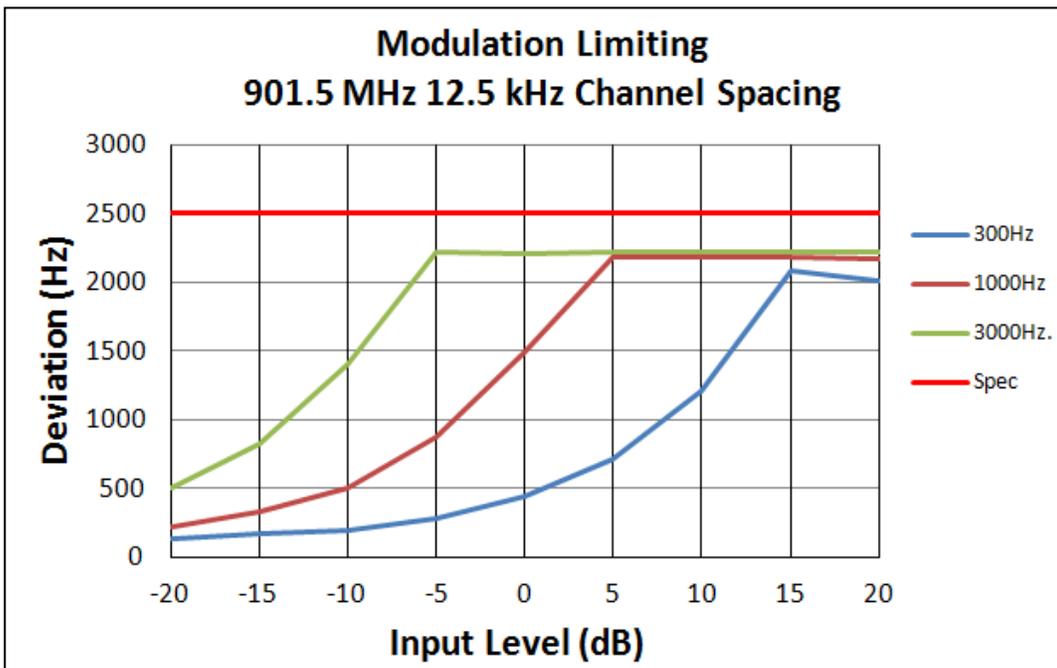


Figure 6D-2: 12.5 kHz Channel Spacing, 901.5 MHz, Modulation Limiting (Part 24)

BANDWIDTH CALCULATIONS:

Carson's Rule for FM modulation is utilized to compute the bandwidth shown in the FCC emission designator. Carson's Rule is: $BW = 2 * (M + D)$ where: BW = Bandwidth
M= Maximum modulating frequency
D = Deviation

a) 4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Data)
Emission Designator **7K60F1D**

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**

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

b) 4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Voice)
Emission Designator **7K60F1E**

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**

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

c) 4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Data)
Emission Designator **7K60FXD**

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**

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

d) 4 Level FSK Digital Modulation (12.5 kHz Channelization, Digital Voice)
Emission Designator **7K60FXE**

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**

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

e) Digital (12.5 kHz Channelization, Digital Voice and Data)
Emission Designator **7K60F1W**

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**

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

EXHIBIT 6E

Occupied Bandwidth Data

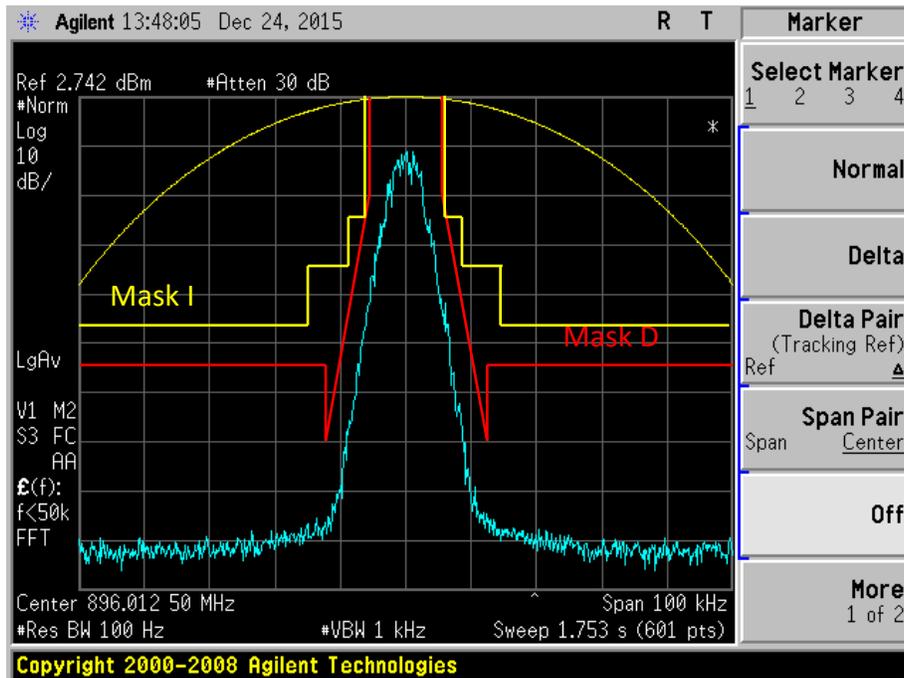


Figure 6E-1: 896.0125 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D, I

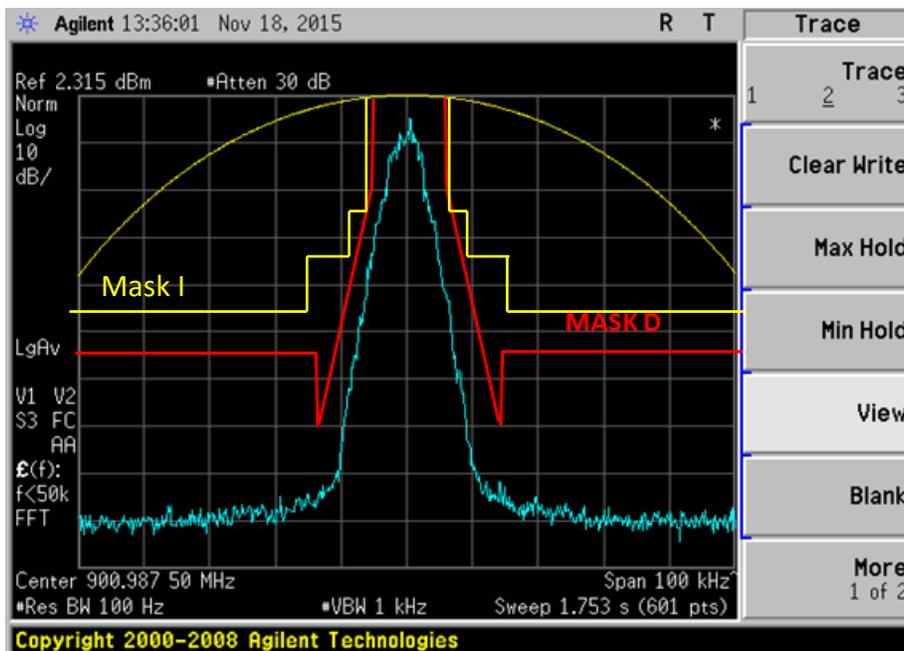


Figure 6E-2: 900.9875 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D, I

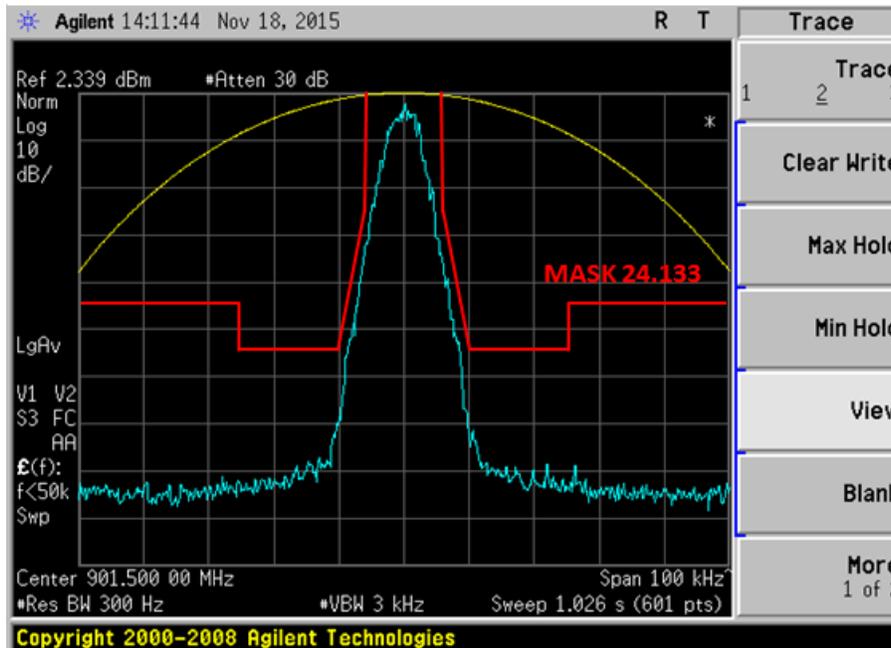


Figure 6E-3: 901.5 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask 24.133 (Part 24)

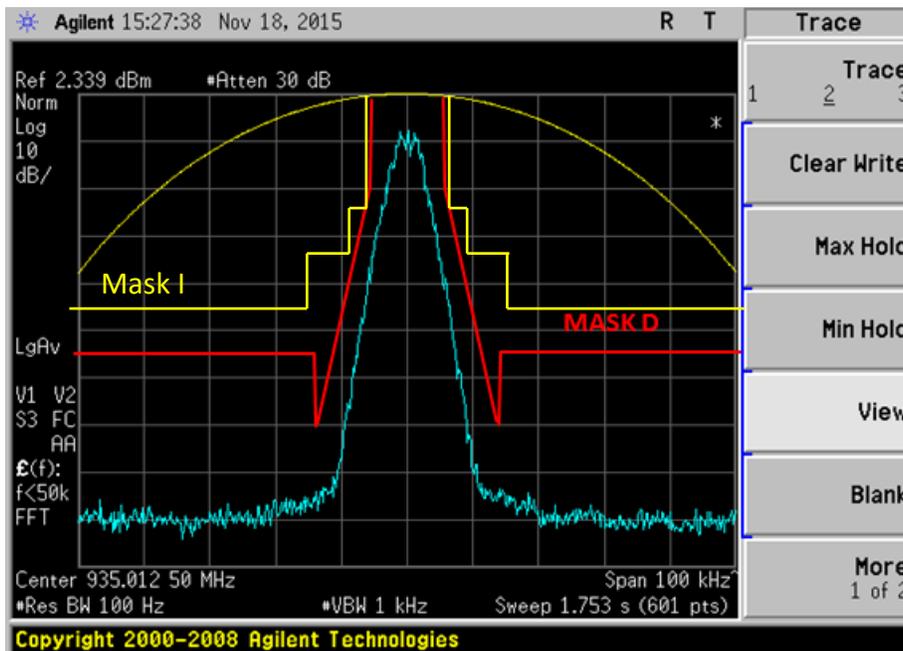


Figure 6E-4: 935.0125 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D, I

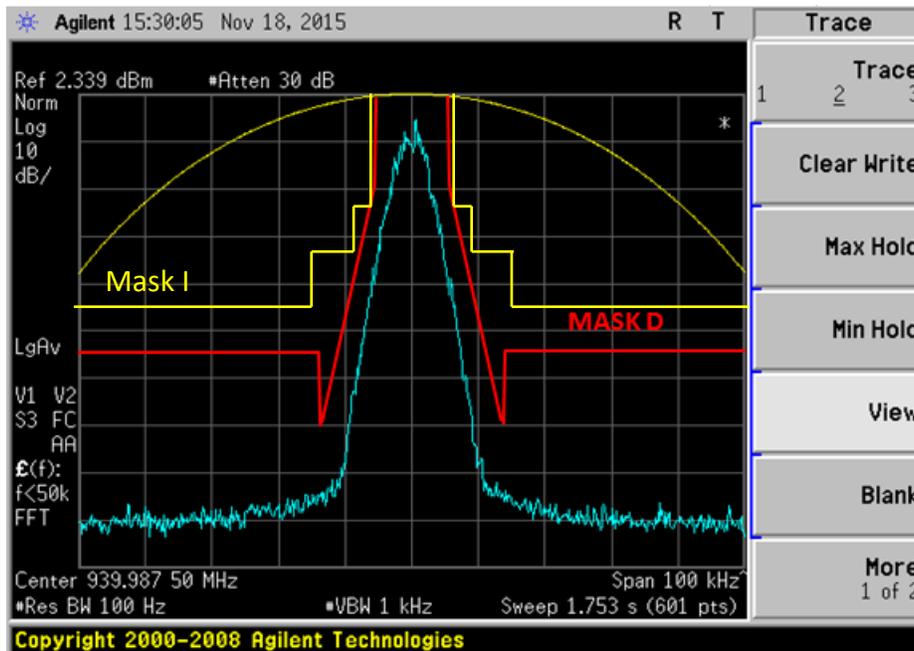


Figure 6E-5: 939.9875 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask D, I

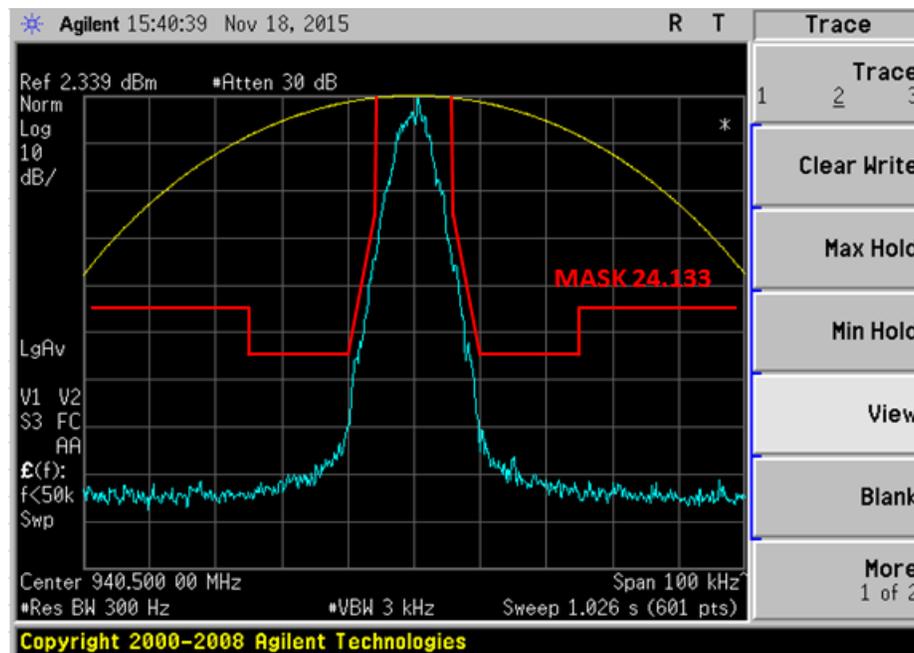


Figure 6E-6: 940.5 MHz, O.153 Test Pattern 4FSK Voice Modulation Only, 7K60F1E Mask 24.133 (Part 24)

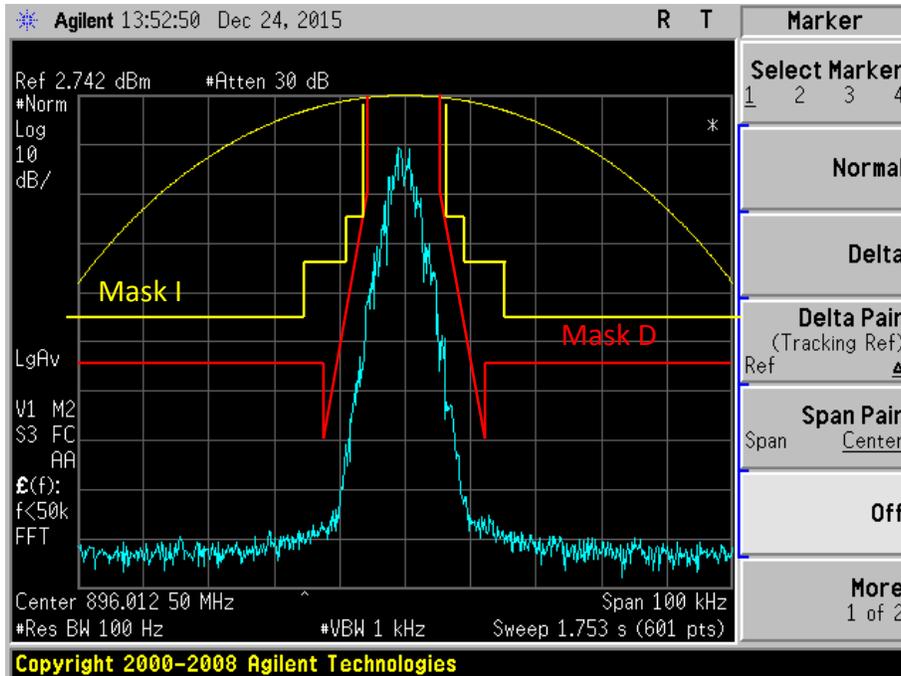


Figure 6E-7: 896.0125 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D, I

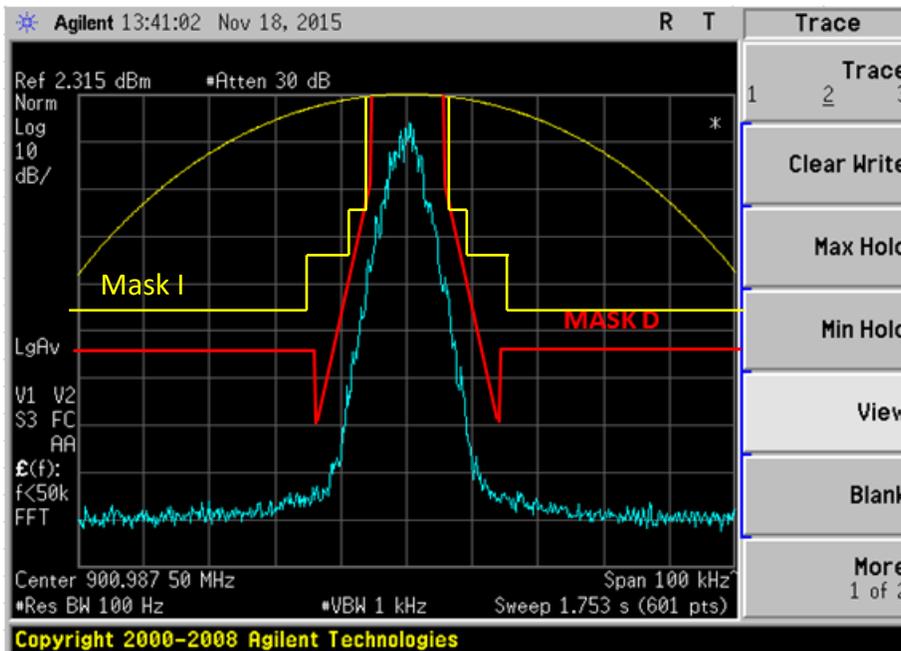


Figure 6E-8: 900.9875 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D, I

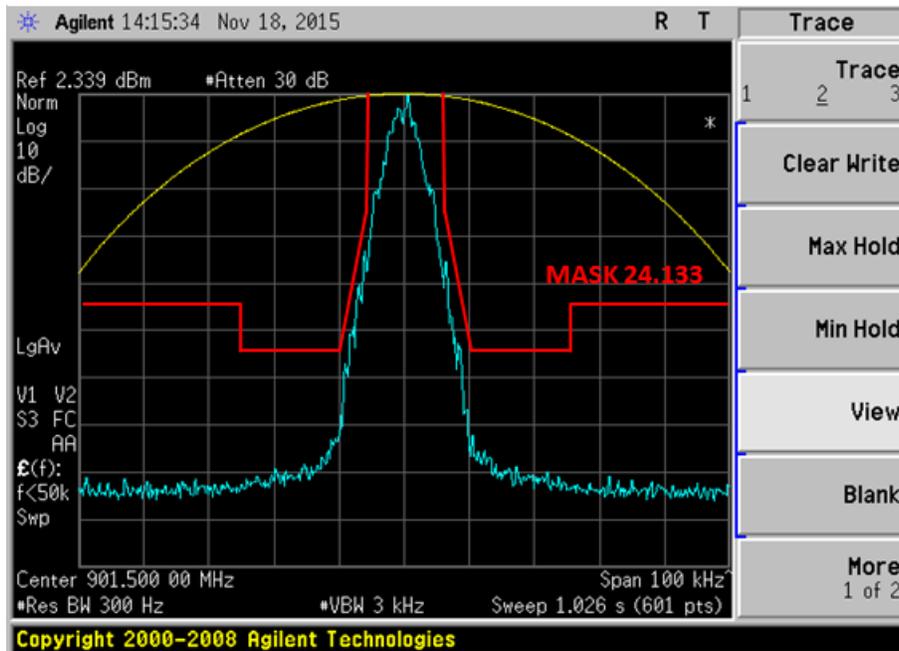


Figure 6E-9: 901.5 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask 24.133 (Part 24)

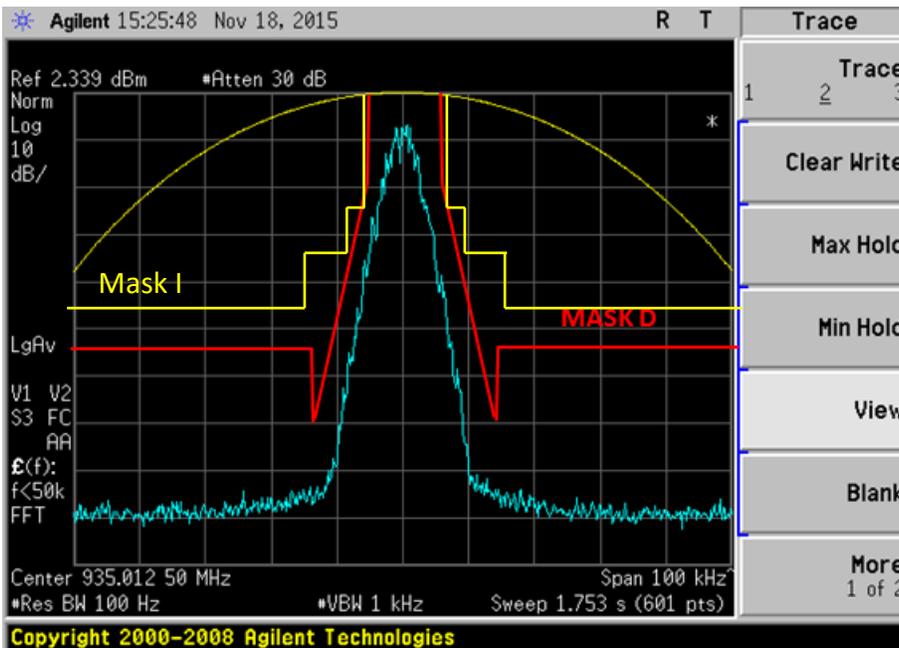


Figure 6E-10: 935.0125 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D, I

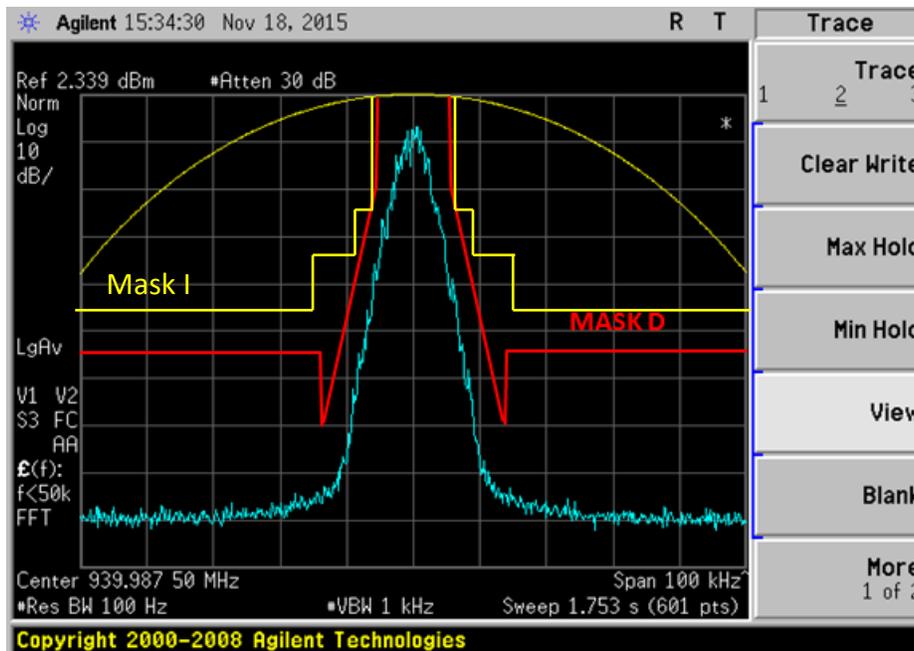


Figure 6E-11: 939.9875 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask D, I

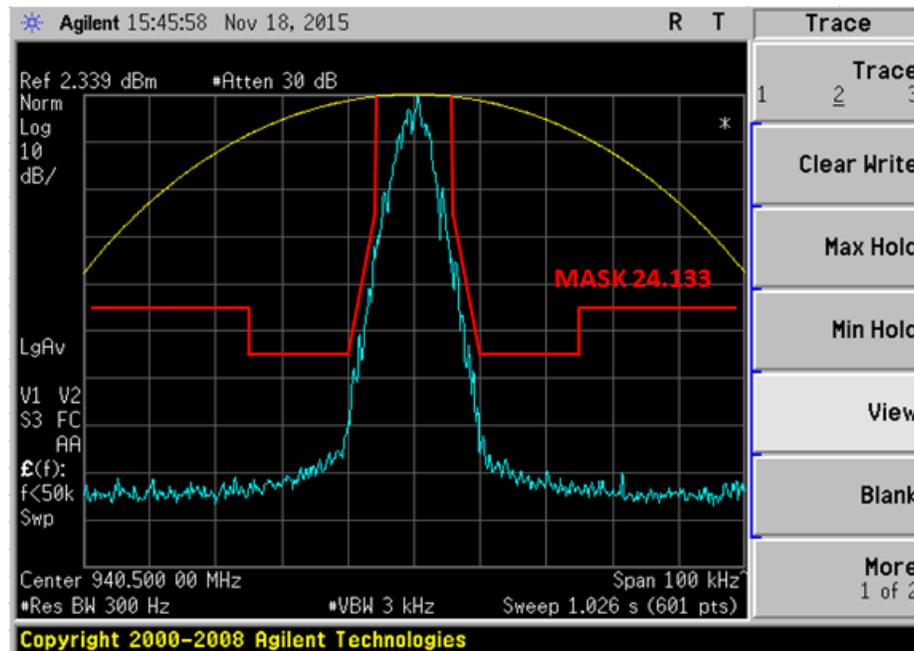


Figure 6E-12: 940.5 MHz, O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D Mask 24.133 (Part 24)

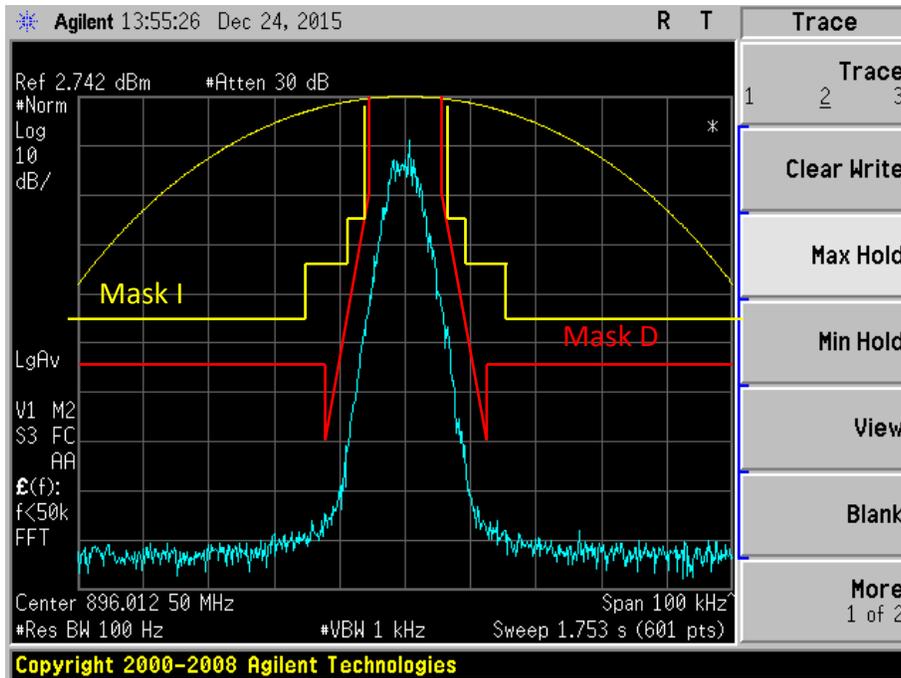


Figure 6E-13: 896.0125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D, I

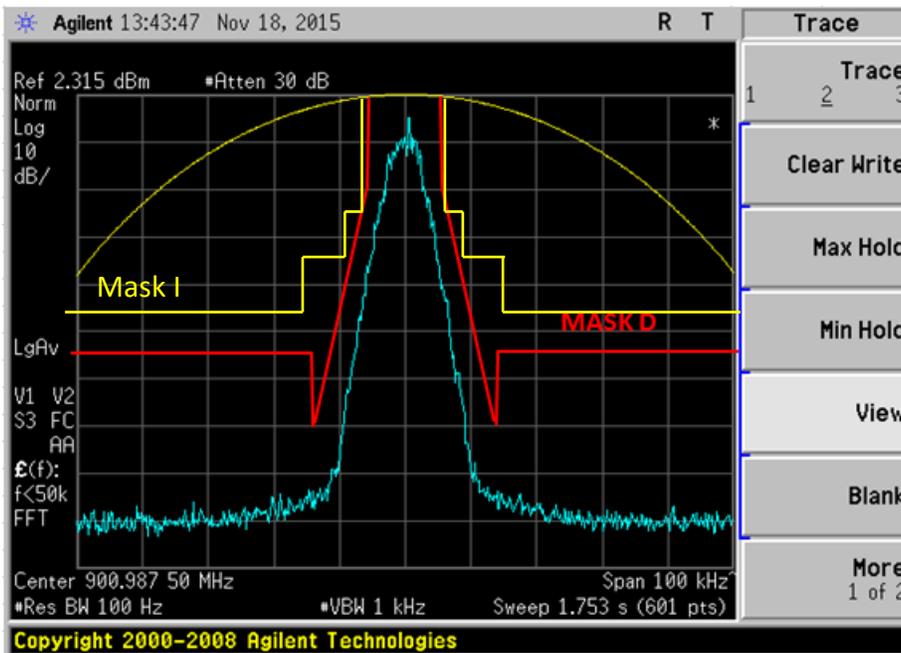


Figure 6E-14 900.9875 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D

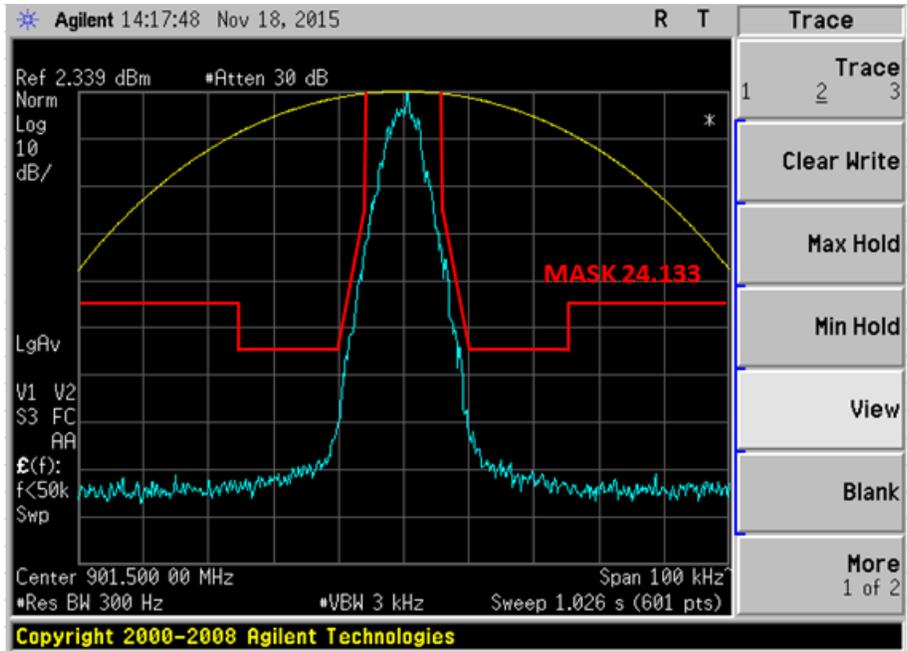


Figure 6E-15: 901.5 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask 24.133 (Part 24)

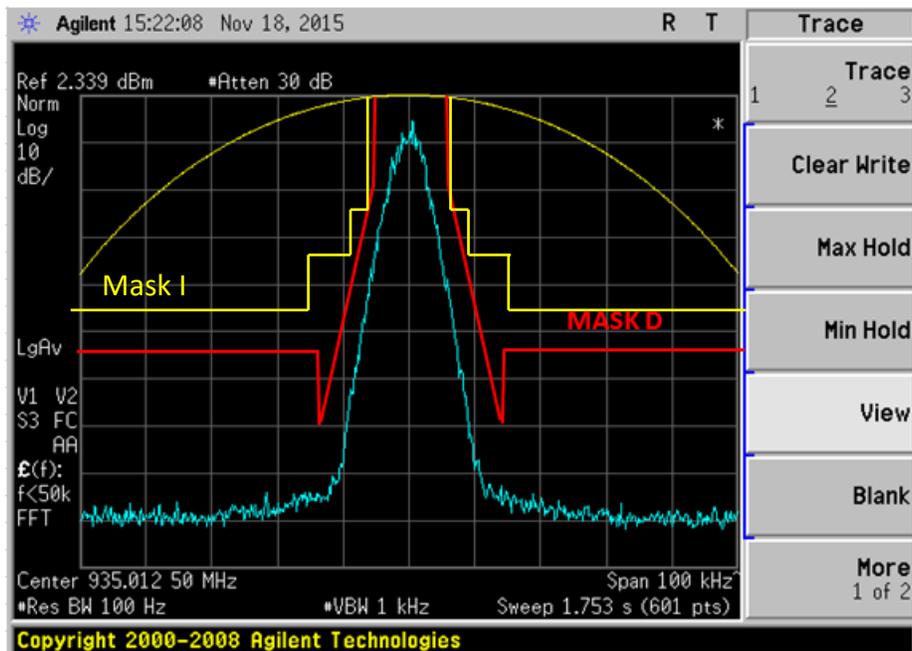


Figure 6E-16 935.0125 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D, I

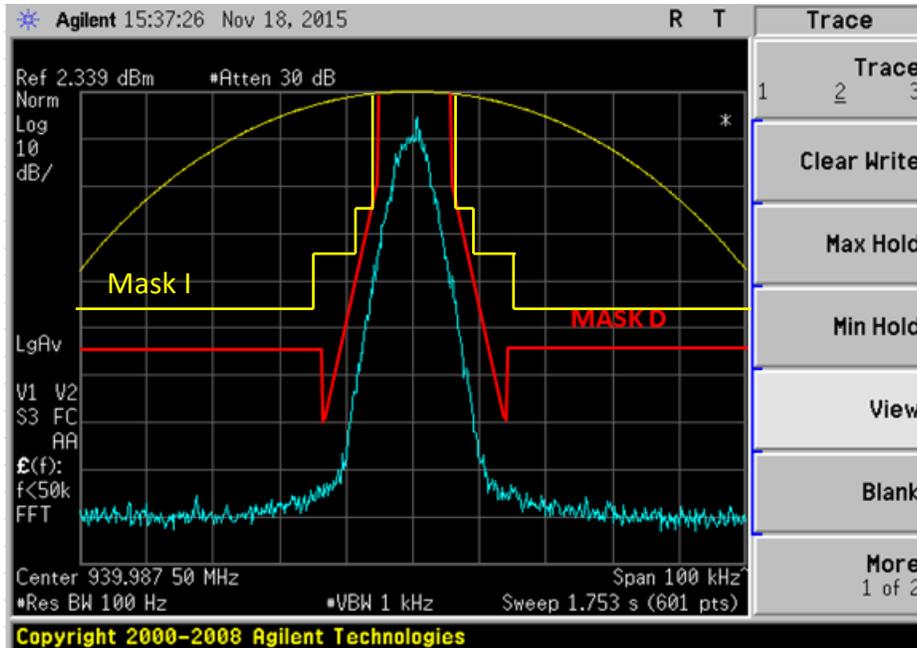


Figure 6E-17: 939.9875 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask D, I

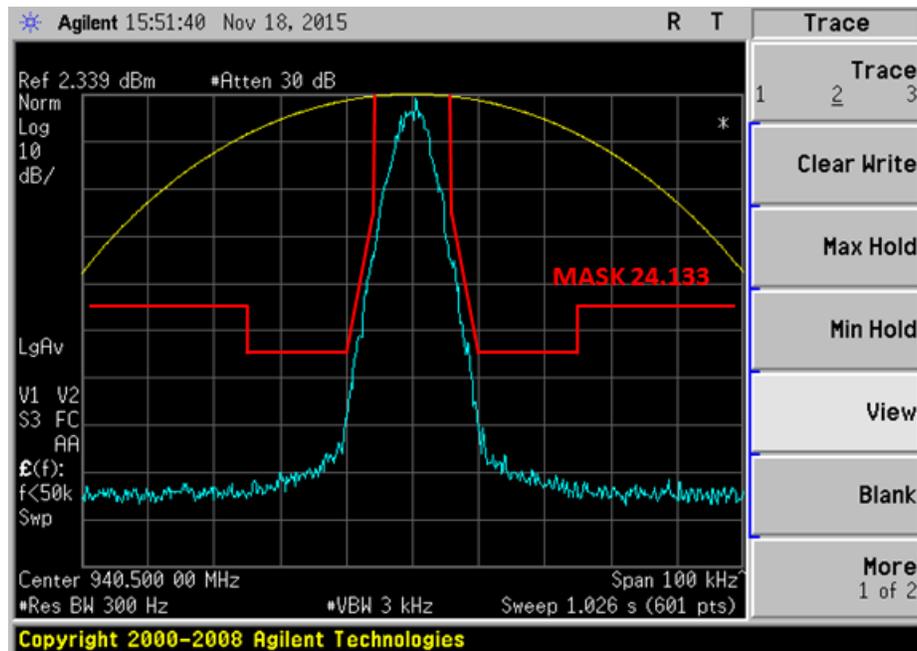


Figure 6E-18: 940.5 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1W Mask 24.133 (Part 24)

****NOTE:-**

- For 4FSK Digital Modulation, 12.5kHz Data 7K60F1D & 7K60FXD would be the same. Therefore only measurements with 7K60F1D shown above.
- For 4FSK Digital Modulation, 12.5kHz 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 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
- All OBW plots were tested at max power

99% Bandwidth Power

*Spectrum Analyzer setting as below:
RBW = 150 Hz, VBW = 15 kHz, Span = 40 kHz*

Description	Bandwidth Power (99%)
Carrier, 4FSK data, O.153 test pattern, 7K60F1D, 7K60F1E, 7K60F1W, 7K60FXD, 7K60FXE	7.1054 kHz

EXHIBIT 6F

Transmitter Conducted Spurious Emissions

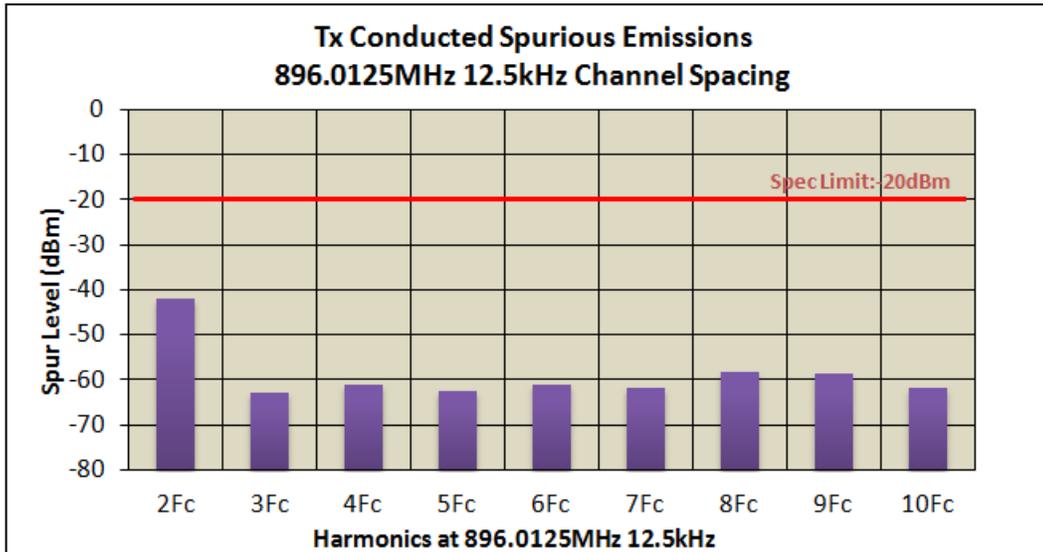


Figure 6F-1: 2.4W Harmonic of Carrier 896.0125 MHz, 12.5 kHz Channel Spacing

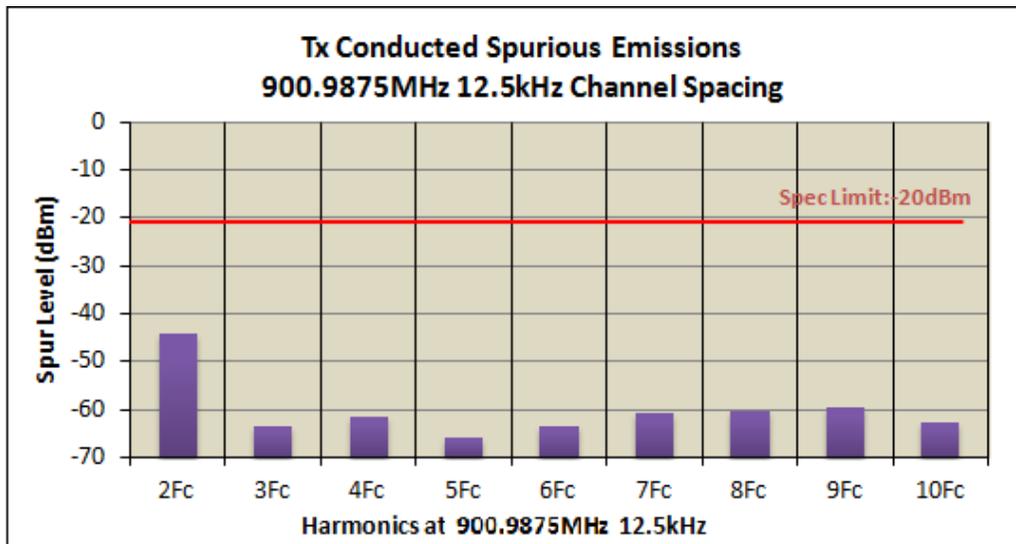


Figure 6F-2: 2.4W Harmonic of Carrier 900.9875 MHz, 12.5 kHz Channel Spacing

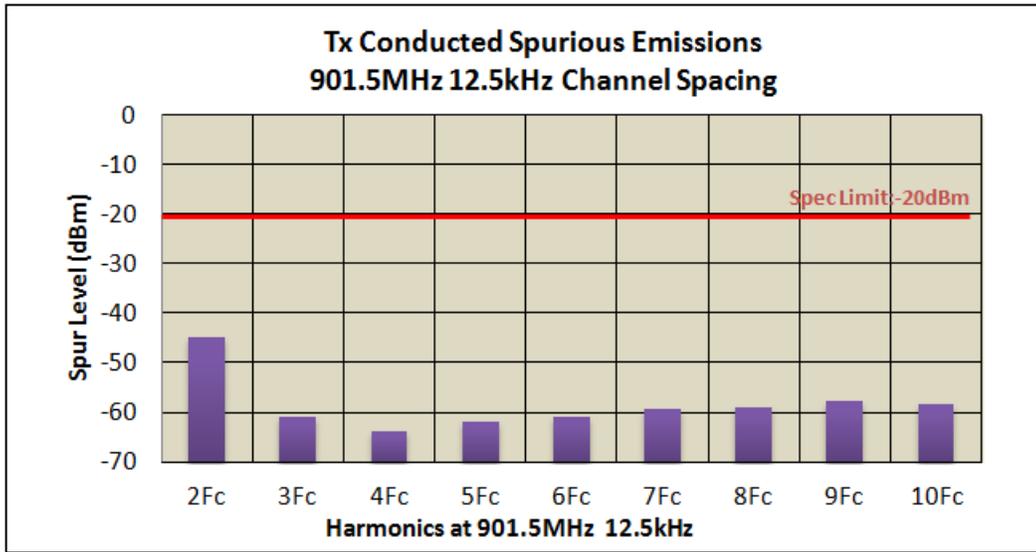


Figure 6F-3: 2.4W Harmonic of Carrier 901.5 MHz, 12.5 kHz Channel Spacing (Part 24)

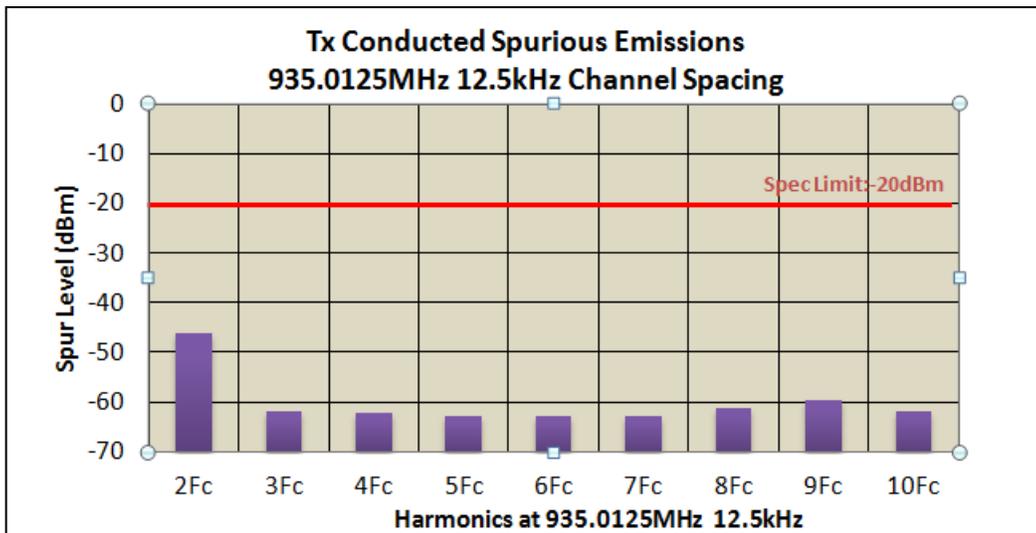


Figure 6F-4: 2.4W Harmonic of Carrier 935.0125 MHz, 12.5 kHz Channel Spacing

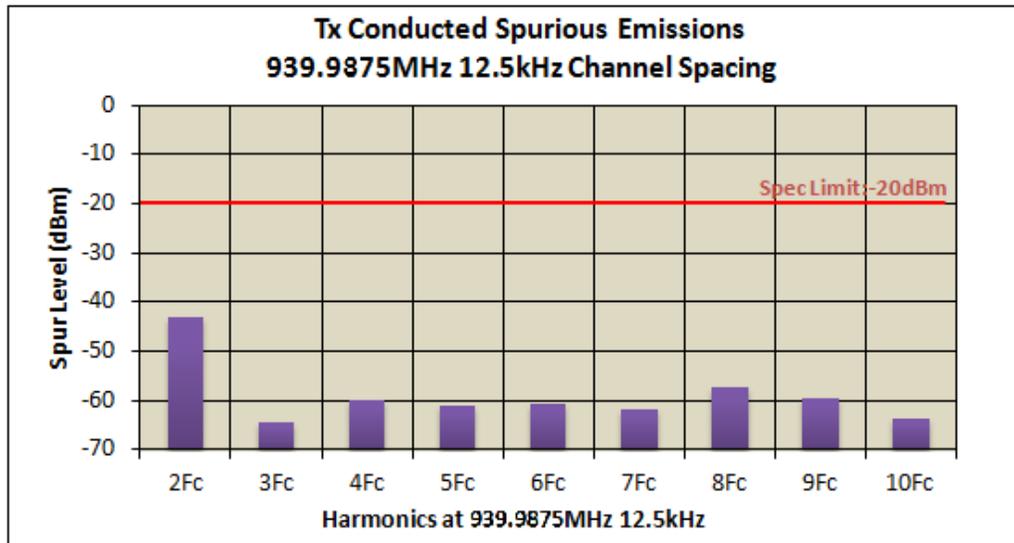


Figure 6F-5: 2.4W Harmonic of Carrier 939.9875 MHz, 12.5 kHz Channel Spacing

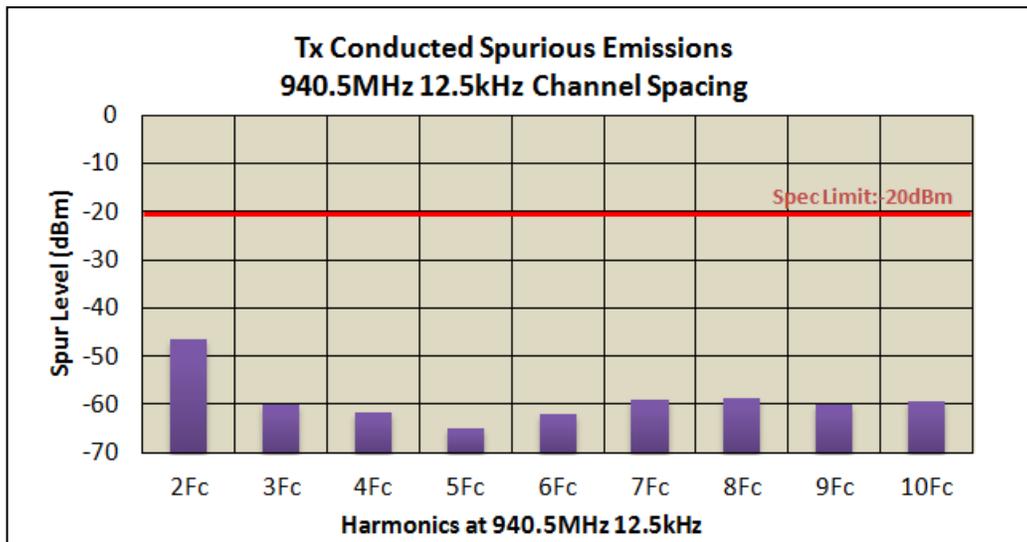


Figure 6F-6: 2.4W Harmonic of Carrier 940.5 MHz, 12.5 kHz Channel Spacing (Part 24)

EXHIBIT 6H

Frequency Stability

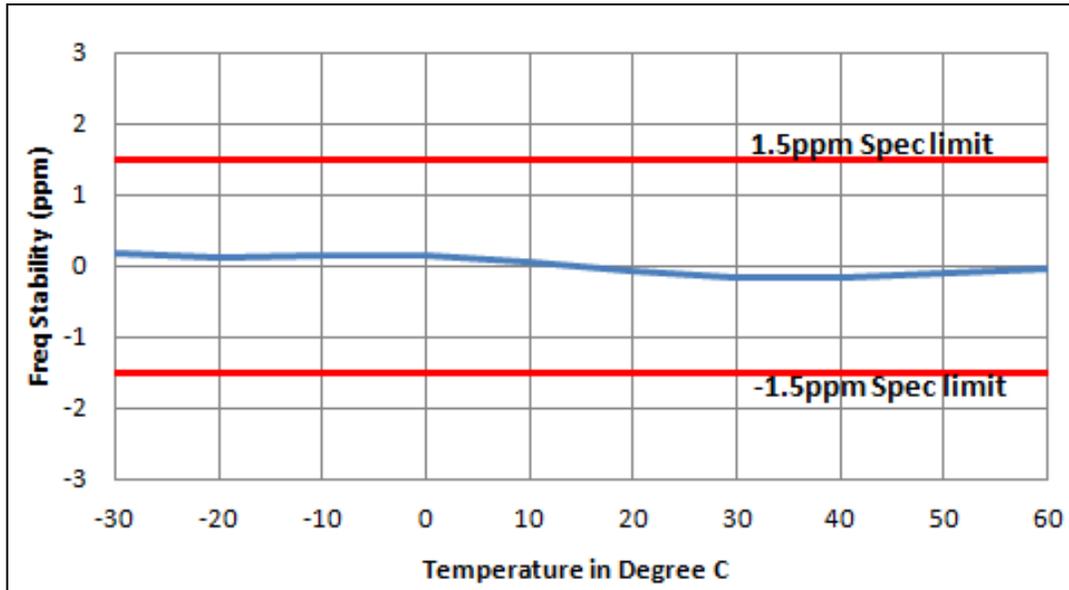


Figure 6H-1: 896.0125 MHz, 1.5 ppm Frequency Stability vs. Temperature

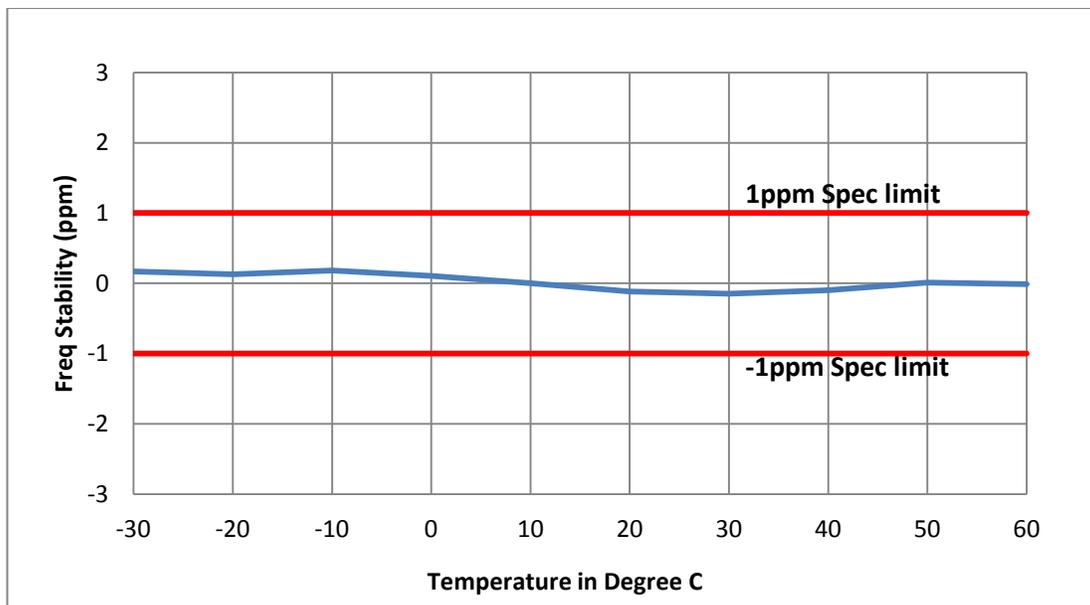


Figure 6H-2: 940.5 MHz, 1.0 ppm Frequency Stability vs. Temperature (Part 24)

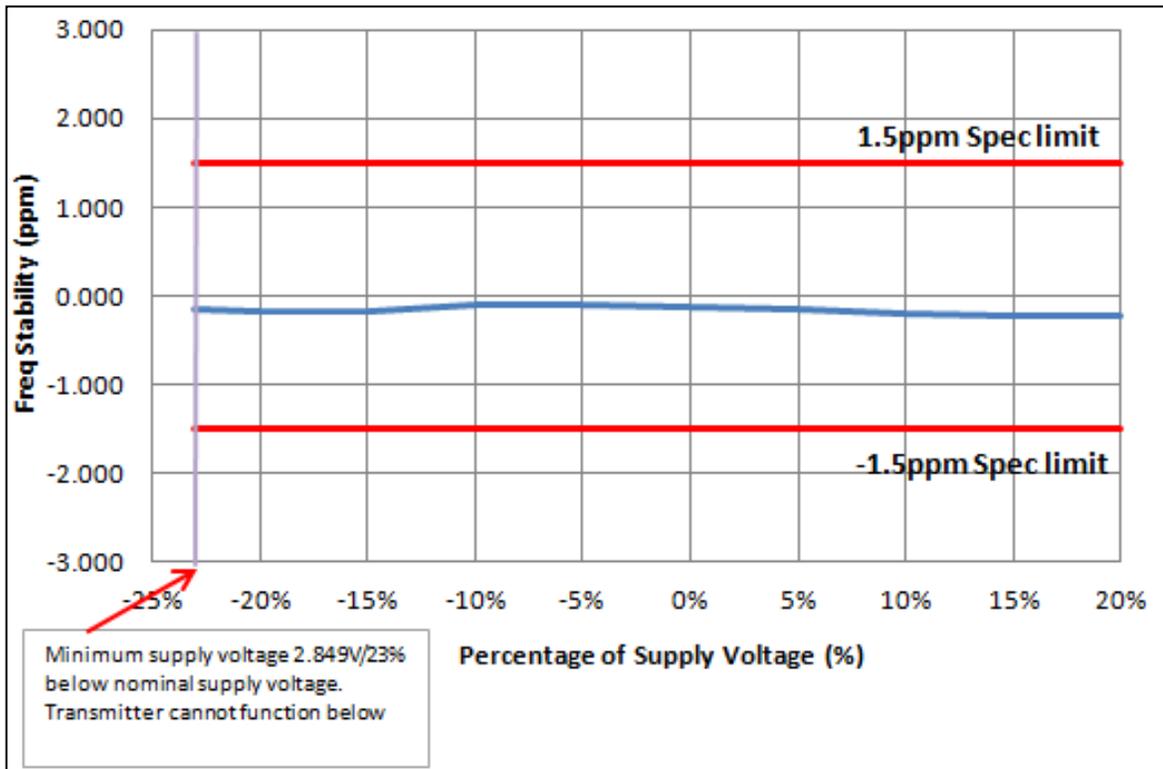


Figure 6H-3: 896.0125 MHz, 1.5 ppm Frequency Stability vs. Supply Voltage

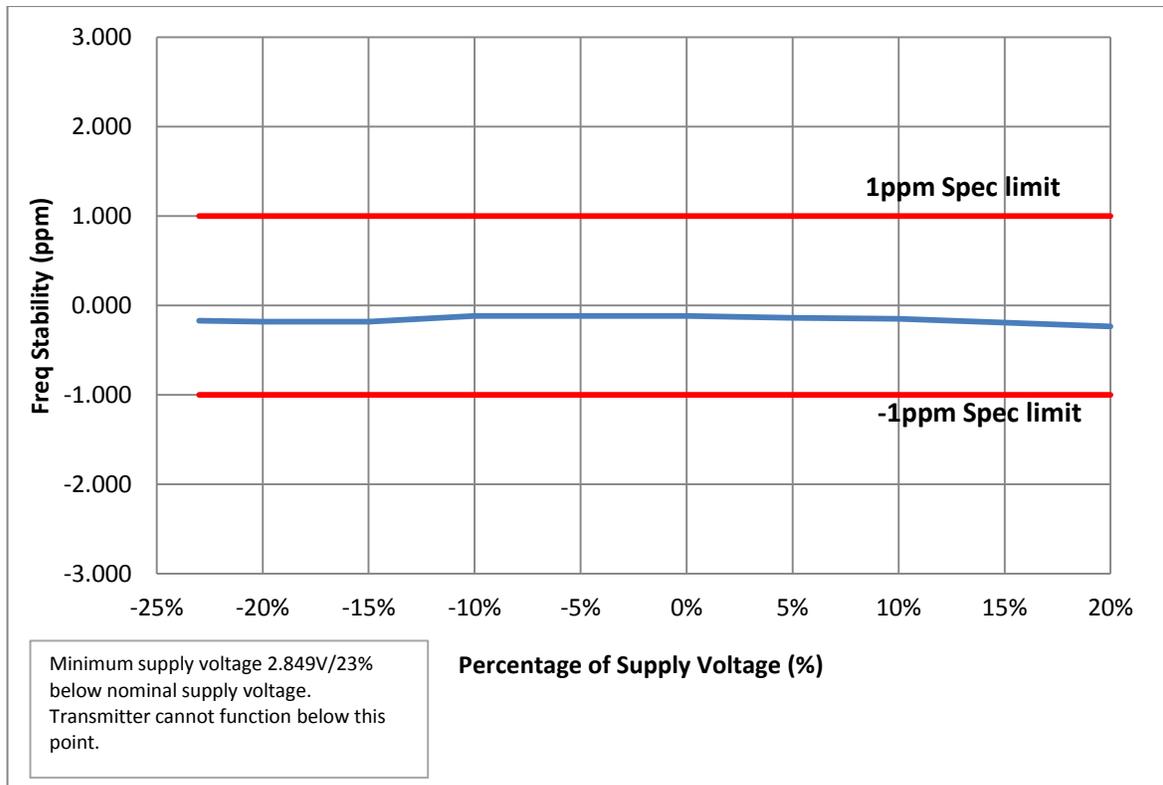


Figure 6H-4: 940.5 MHz, 1.0 ppm Frequency Stability vs. Supply Voltage (Part 24)

EXHIBIT 6I

Effective Radiated Power (ERP)

The highest gain antenna on offer for this product is +0.5dBi (-1.65dBd).
The total antenna system gain for this device at 900MHz band is -1.65dBd.

The ERP is calculated below as follows.

ERP = Power (dBm) + Gain (antenna, dBd) – Loss (cable, if any)

ERP = 33.80dBm (2.4W) + (-1.65) = 32.15dBm (1.64W)

Therefore, the calculated ERP is 1.64W which demonstrates compliance to the Part 24 7W ERP limit.