SUBMITTED MEASURED DATA

MEASUREMENT	EXHIBIT	NUMBER OF PAGES
I. RF Power Output Data	6A	1
II. Audio Frequency Response	6B	1
III. Low Pass Filter Response	6C	1
IV. Modulation Limiting	6D	1
V. Occupied Bandwidth	6E	12
VI. Conducted Spurious Emissions	6F	24
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VIII. Frequency Stability		
A. Temperature	6H-1	1
B. Supply Voltage	6H-2	1
IX. Transient Frequency Behavior	6I	4

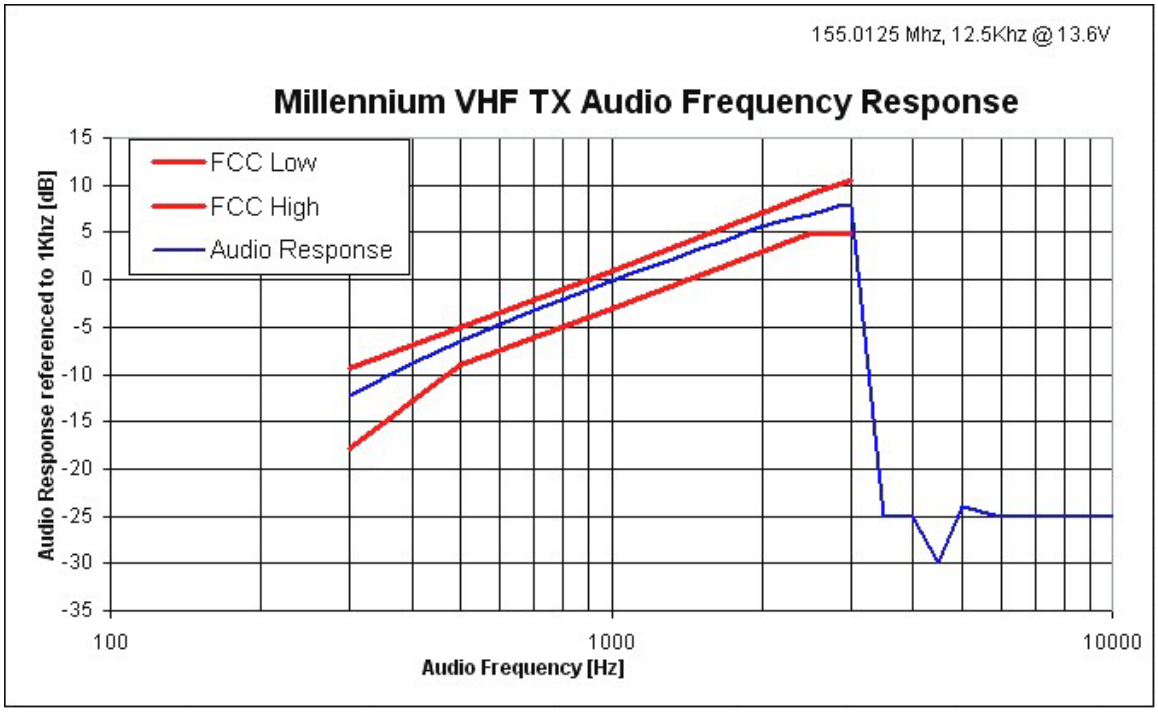
EXHIBIT 6A: RF POWER OUTPUT DATA

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device.

The RF power output was measured with the indicated voltage applied to and Current into the final RF amplifying device.

Power Level	Frequency [MHz]	Channel Spacing [KHz]	RF Output Power [W]	Nominal DC Voltage [V]	Nominal DC Current [A]
57 Watt	136.0125	25	56.7	13.6	7.29
	155.0125	25	56.6	13.6	6.39
	173.9875	25	56.7	13.6	7.67
27 Watt	136.0125	25	27	13.6	5.06
	155.0125	25	27.2	13.6	4.424
	173.9875	25	27.6	13.6	5.41
5 Watt	136.0125	25	5.18	13.6	2.598
	155.0125	25	5.15	13.6	2.217
	173.9875	25	5.02	13.6	2.632

EXHIBIT 6B: AUDIO FREQUENCY RESPONSE



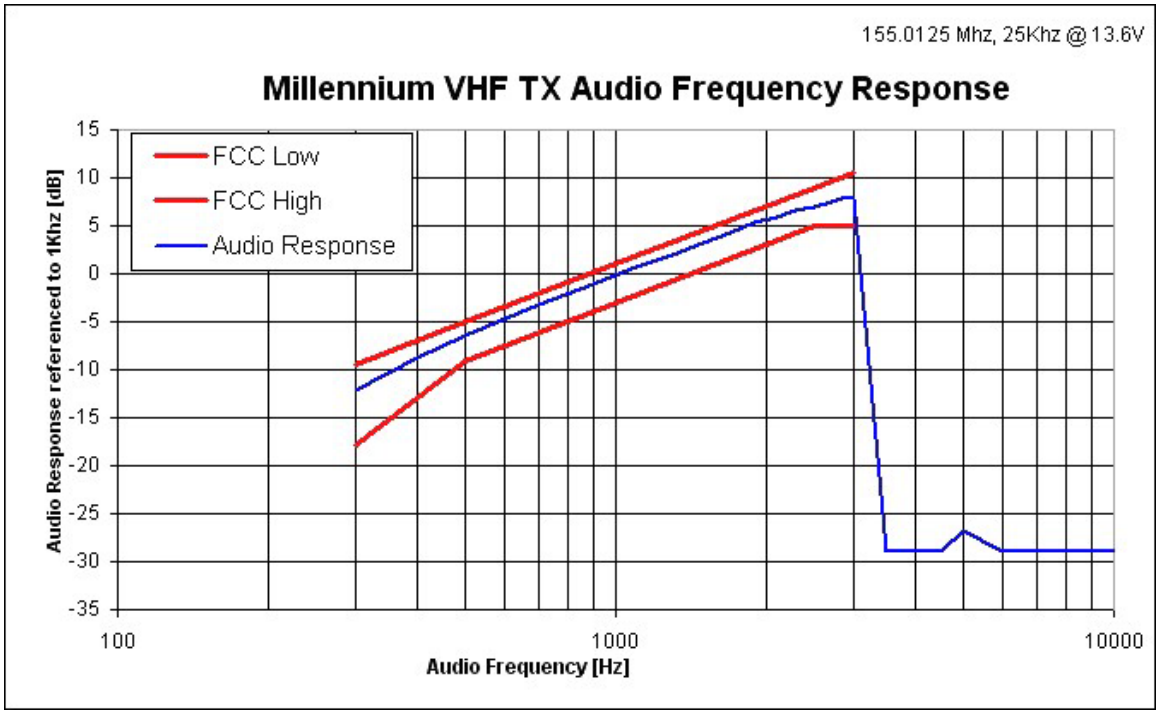
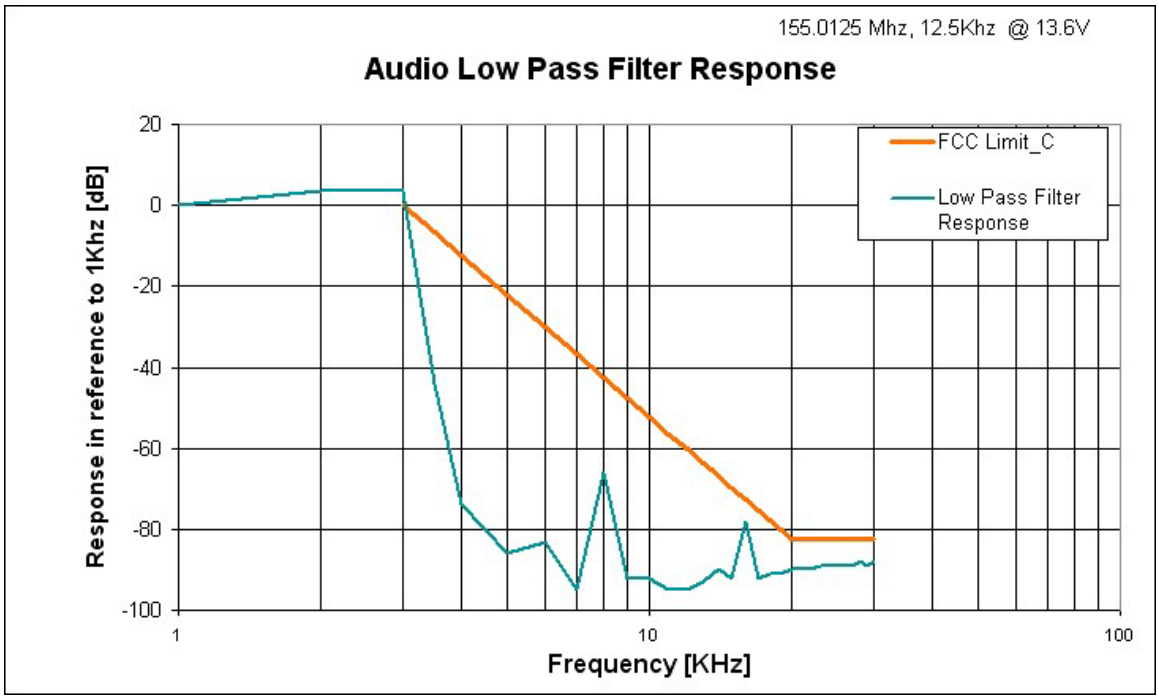
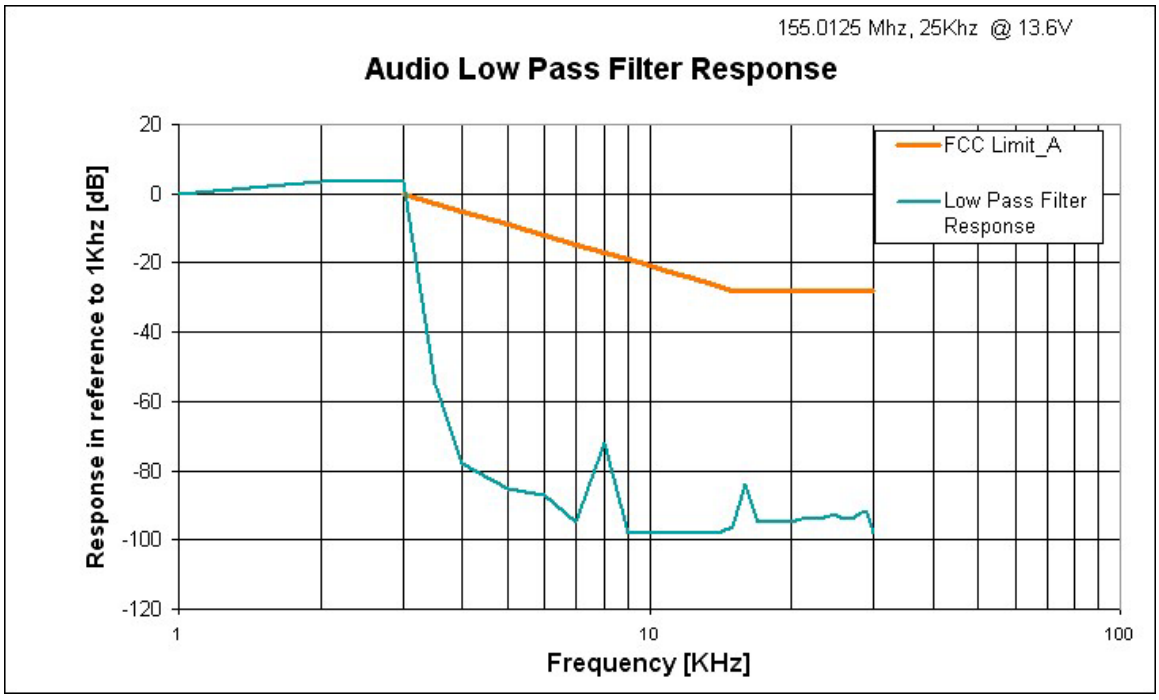
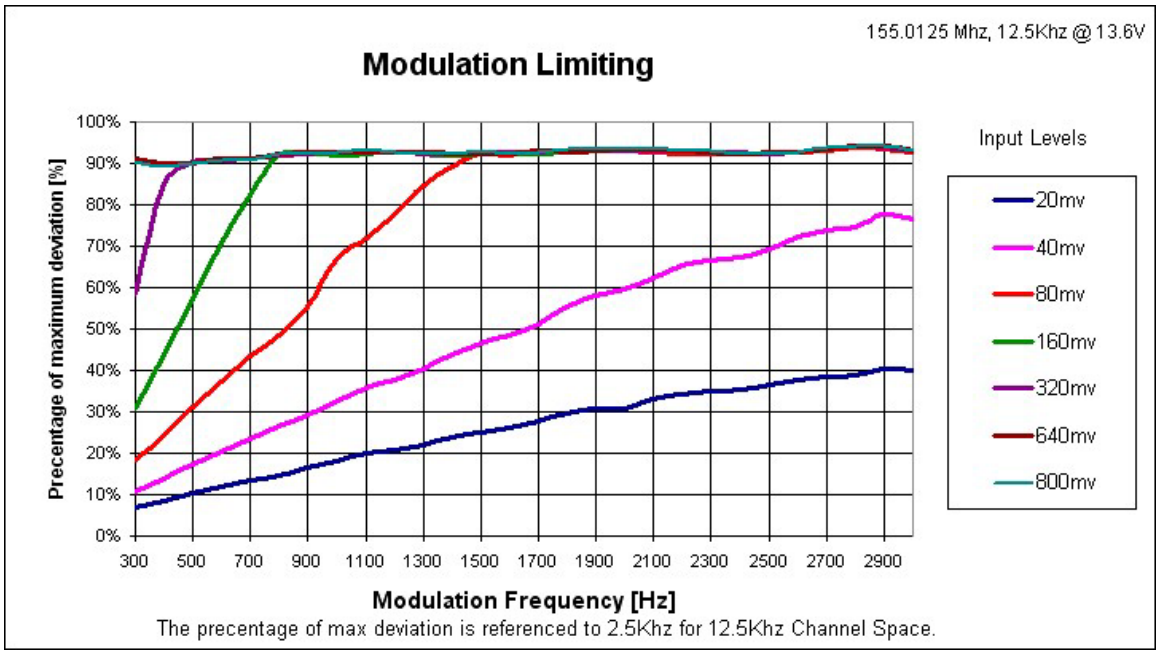


EXHIBIT 6C: LOW PASS FILTER RESPONSE

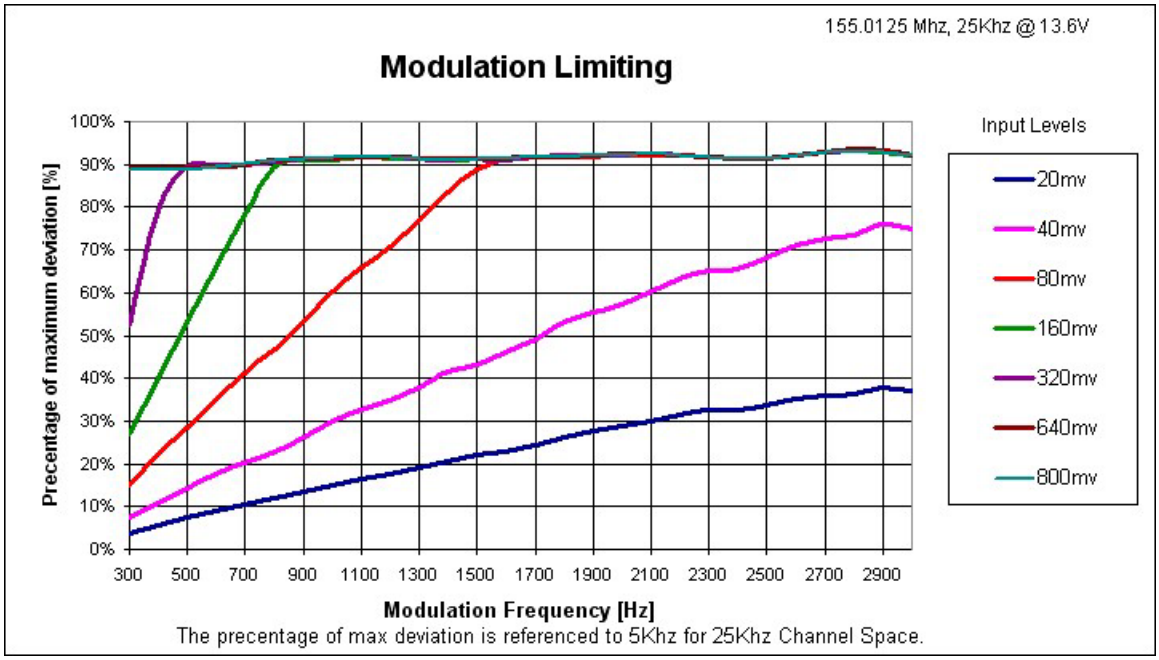




EXHIBT 6D: MODULATION LIMITING



The precentage of max deviation is referenced to 2.5Khz for 12.5Khz Channel Space.



The precentage of max deviation is referenced to 5Khz for 25Khz Channel Space.

EXHIBIT 6E: OCCUPIED BANDWIDTH

OCCUPIED BANDWIDTH DATA

BANDWIDTH CALCULATIONS**:**

Carson's Rule for FM modulation is utilized to compute the bandwidth shown in the FCC emission designator. Carson's Rule is:

BW = 2 * (M + D) where: BW = Bandwidth
M= Maximum modulating frequency
D = Deviation

Shown below are the calculations required for FCC ID: **AZ492FT3806**

EXHIBIT 6E-1
Standard Audio Modulation (25 kHz Channelization, Analog Voice):
Emission Designator 16K0F3E

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

BW = 2(M+D) = 2*(3 kHz + 5 kHz) = 16 kHz ===> 16K0
F3E portion of the designator indicates voice.

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

EXHIBIT 6E-2
Standard Audio Modulation (12.5 kHz Channelization, Analog Voice):
Emission Designator 11K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

BW = 2(M+D) = 2*(3.0 kHz + 2.5 kHz) = 11 kHz ===> 11K0
F3E portion of the designator indicates voice.

Therefore, the entire designator for 12.5 kHz channelization analog voice is 11K0F3E.

EXHIBIT 6E-3
Digital (12.5 kHz Channelization, Digital Data):
Emission Designator 8K10F1D

Measurements per Rule Part 2.202 Section C (4) were done because Part 2.202 Section g Table III A, 1 formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X KHz, in this case, 8.10 kHz Measurements were performed in accordance with TIA/EIA 102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1D portion of the designator indicates digital data.

Therefore, the entire designator for 12.5 kHz channelization digital data is 8K10F1D.

EXHIBIT 6E-4
Digital (12.5 kHz Channelization, Digital Voice):
Emission Designator 8K10F1E

Measurements per Rule Part 2.202 Section C (4) were done because Part 2.202 Section g Table III A, 1 formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X KHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA 102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1E portion of the designator indicates digital voice.
Therefore, the entire designator for 12.5 kHz channelization digital voice is 8K10F1E.

EXHIBIT 6E-5
Digital (12.5 kHz Channelization, Digital Voice Encryption):
Emission Designator 8K10F1E (Per 47CFR 90.212(b))

Measurements per Rule Part 2.202 Section C (4) were done because Part 2.202 Section g Table III A, 1 formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X KHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA 102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 12.5 kHz channelization digital voice (with encryption) is 8K10F1E.

EXHIBIT 6E-6
Secure Mode (20.0 kHz Channelization, Digital Voice Encryption):
Emission Designator 20K0F1E

In this case, the maximum modulating frequency is 6.0 kHz with a 4.0 kHz deviation.

BW = 2(M+D) = 2*(6.0 kHz + 4.0 kHz) = 20 kHz ===> 20K0
F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 20.0 kHz channelization secure mode (digital voice encryption) is 20K0F1E.

Note: The 90.203(j) efficiency standard for "F1D" emission is met by sending 2 bits at a time, at a rate of 4800 symbols/second. This yields 9600 bits/second, which is achieved using the modulation technique described in the note below. Modulation results from one of the digital 4-level standard symbol patterns applied to the modulation at a rate of 9600 bits/second. The modulation technique is 4-level FM. The information bits are commonly represented by a symbol that corresponds to one of 4 levels of FM deviation according to the following table.

Information Bits	Symbol	C4FM Deviation
01	+3	+1.8 kHz
00	+1	+0.6 kHz
10	-1	-0.6 kHz
11	-3	-1.8 kHz

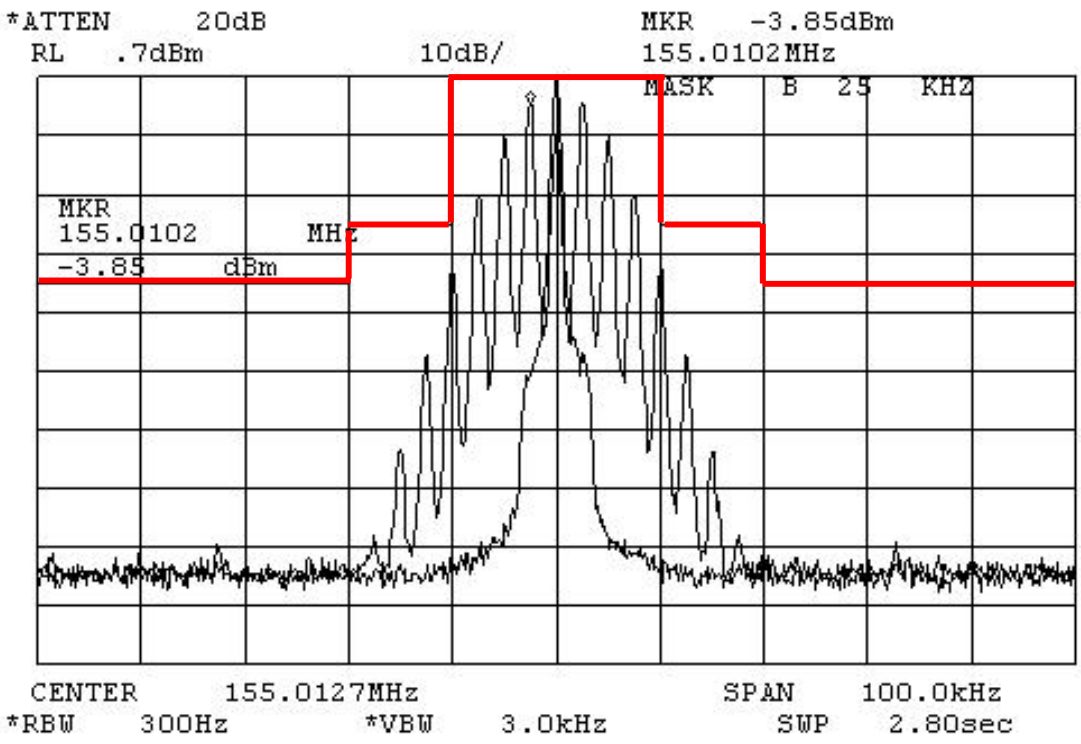
For example, an 8-bit binary pattern of 0010 1101 would be sent as symbols +1, -1, -3, +3, which would cause a modulation signal (Frequency-Shift-Keyed) of +1.8 kHz, -600 Hz, -1.8 kHz, and +1.8 kHz. This results in 9600 bits/second of information being sent on a 12.5 kHz channel, which is the equivalent of 4800 bits/second per 6.25 kHz.

Note: The "F1D" and "F1E" signal parameters are described as follows: The modulation is 4-level FSK with +/-600 Hz and +/-1.8 kHz shifting (+/-600 Hz and +/-1.8 kHz are the 4 distinct levels of signals). The digital voice test pattern is created by a 2500 Hz sine wave modulated at a level that is 16 dB above that required producing 50% deviation at the radio output. The digital data test signal is generated by an internally generated pseudo random test pattern based on ITU-T 0.153 (formally CCITT V.52).

EXHIBIT 6E-1

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 16K0F3E)

FREQ = 155.0125 MHz **MAX POWER SETTING** **ANALOG VOICE**
MASK B **CHANNEL SPACING = 25.0 kHz**



OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 16K0F3E)

FREQ = 155.0125 MHz **MIN POWER SETTING** **ANALOG VOICE**
MASK B **CHANNEL SPACING = 25.0 kHz**

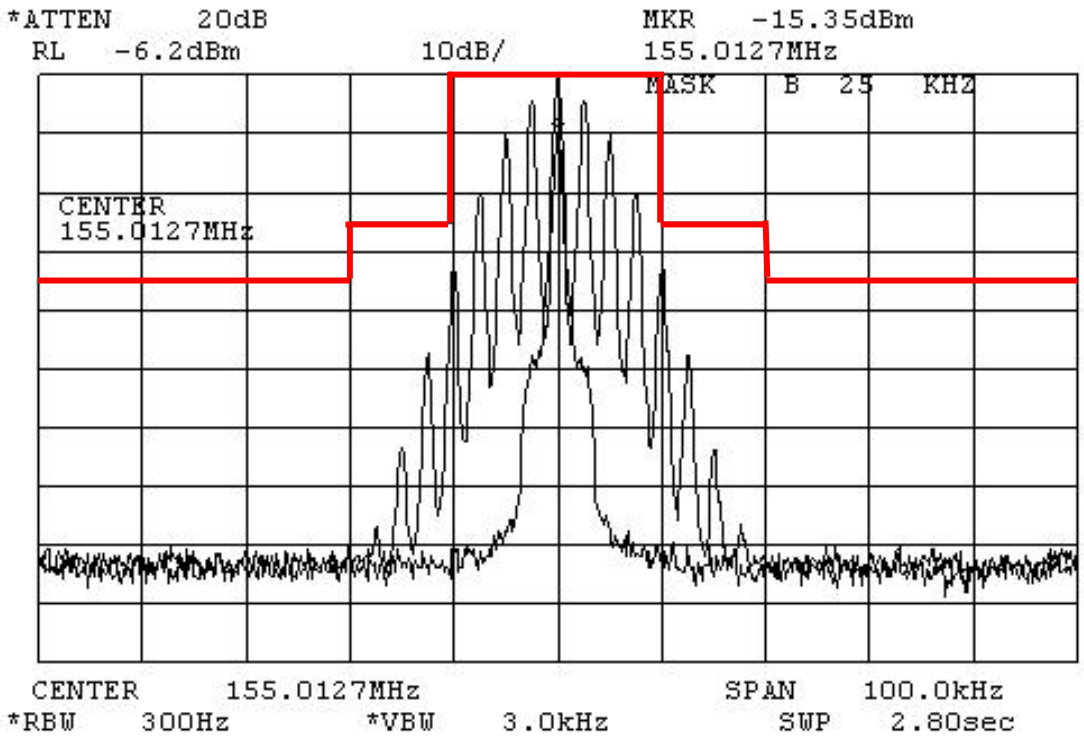
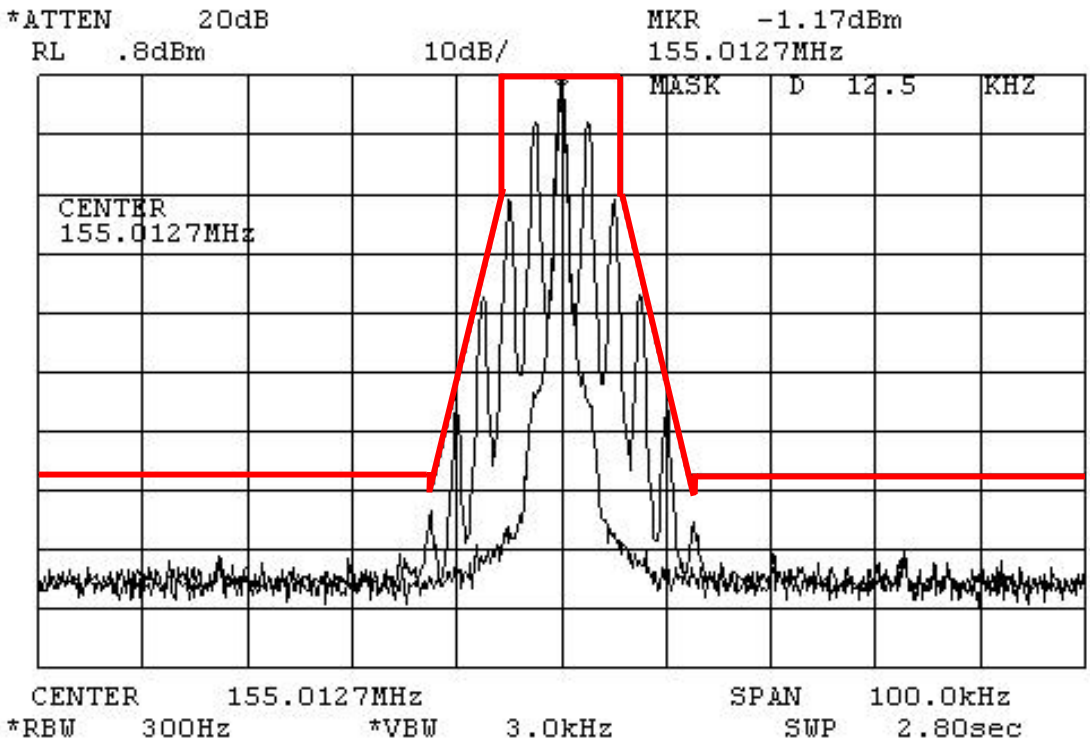


EXHIBIT 6E-2

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 11K0F3E)

FREQ = 155.0125 MHz **MAX POWER SETTING** **ANALOG VOICE**
MASK D **CHANNEL SPACING = 12.5 kHz**



OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 11K0F3E)

FREQ = 155.0125 MHz **MIN POWER SETTING** **ANALOG VOICE**
MASK D **CHANNEL SPACING = 12.5 kHz**

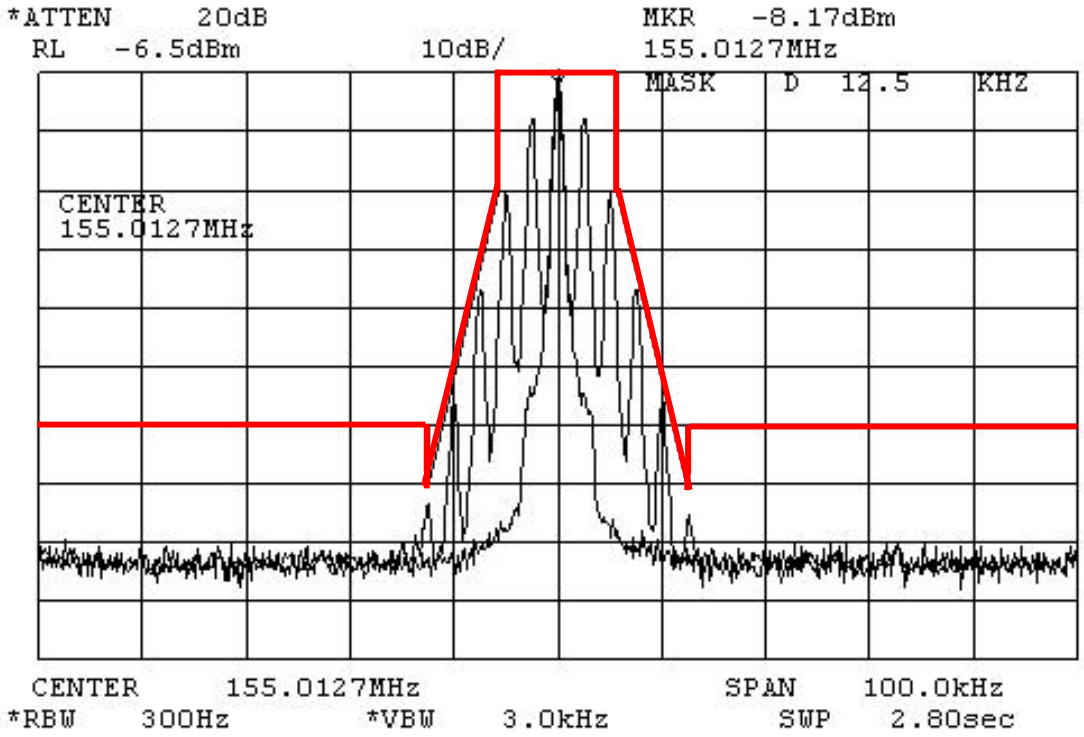
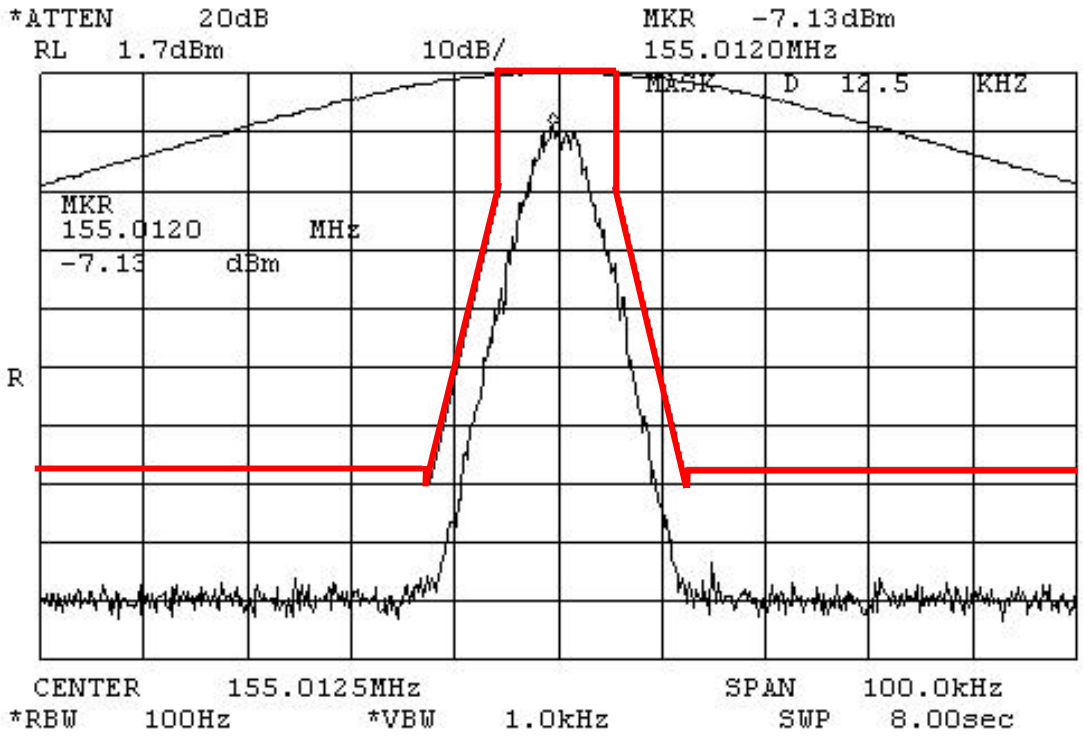


EXHIBIT 6E-3

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 8K10F1D)

FREQ = 155.0125 MHz **MAX POWER SETTING** **DIGITAL DATA**
MASK D **CHANNEL SPACING = 12.5 kHz**



OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 8K10F1D)

FREQ = 155.0125 MHz **MIN POWER SETTING** **DIGITAL DATA**
MASK D **CHANNEL SPACING = 12.5 kHz**

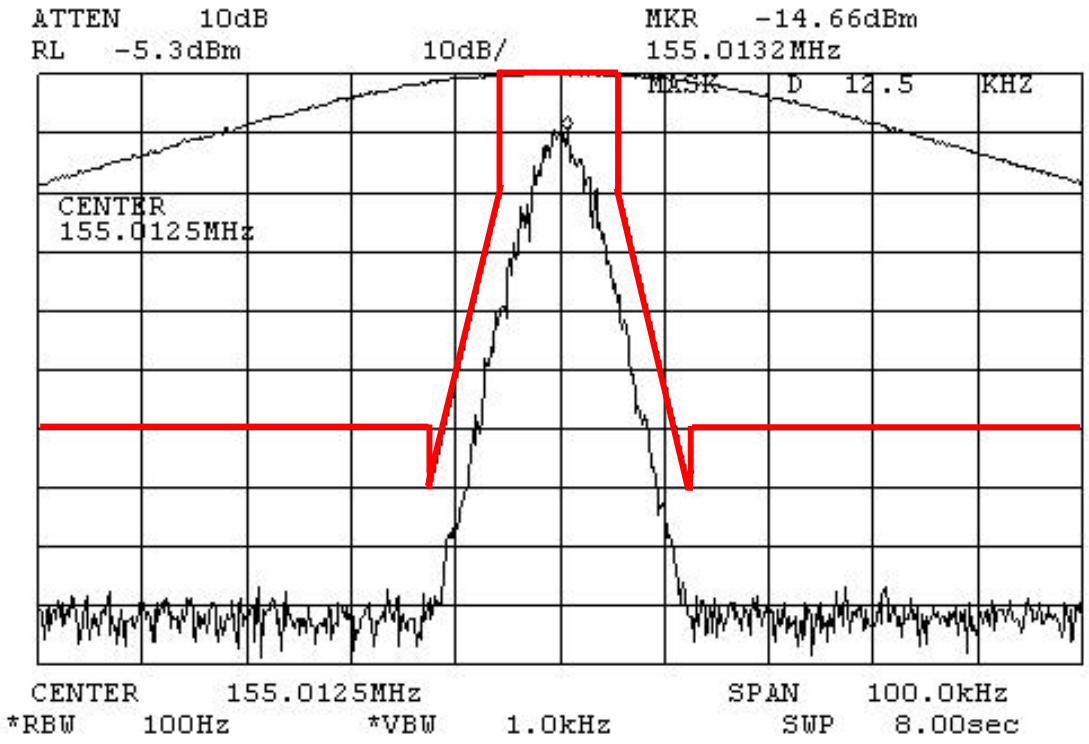
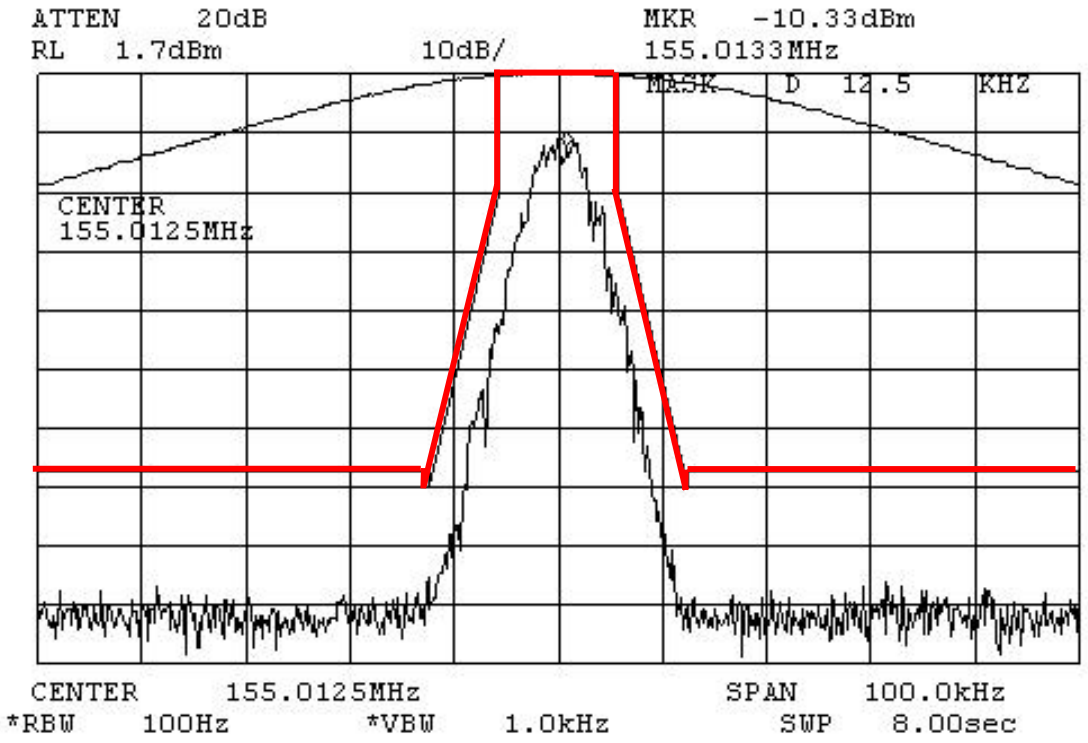


EXHIBIT 6E-4

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 8K10F1E)

FREQ = 155.0125 MHz **MAX POWER SETTING** **DIGITAL VOICE**
MASK D **CHANNEL SPACING = 12.5 kHz**



OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 8K10F1E)

FREQ = 155.0125 MHz **MIN POWER SETTING** **DIGITAL VOICE**
MASK D **CHANNEL SPACING = 12.5 kHz**

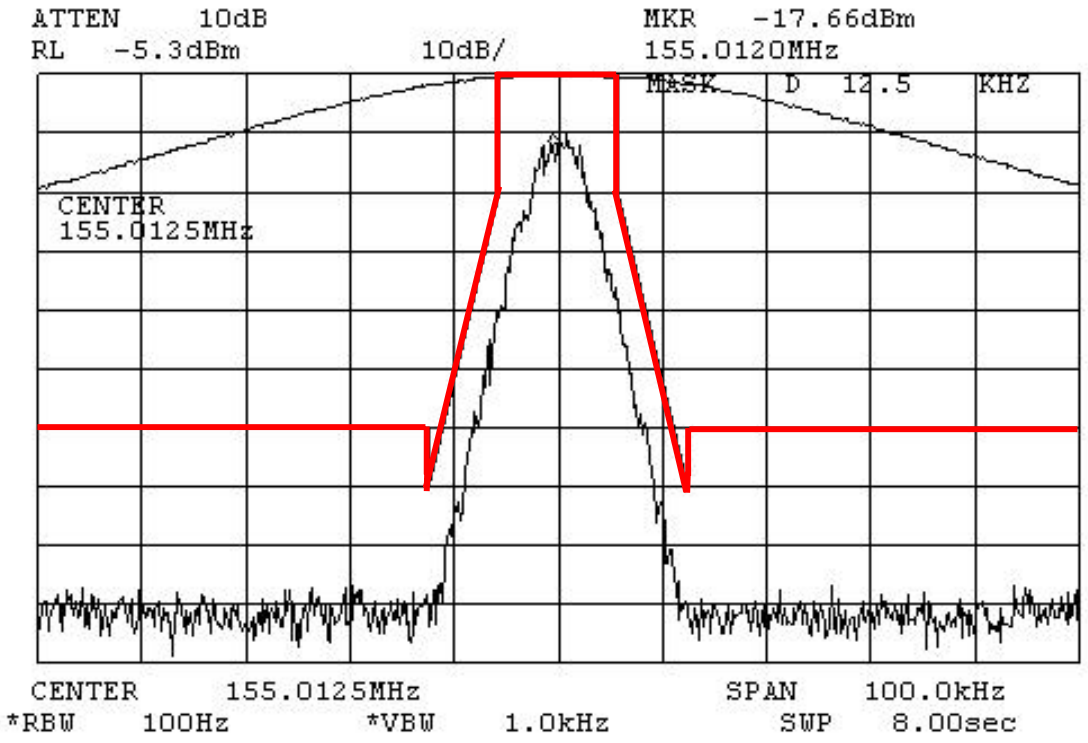


EXHIBIT 6E-5

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 8K10F1E)

FREQ = 155.0125 MHz **MAX POWER SETTING** **DIGITAL VOICE ENCRYPTION**
MASK D **CHANNEL SPACING = 12.5 kHz**

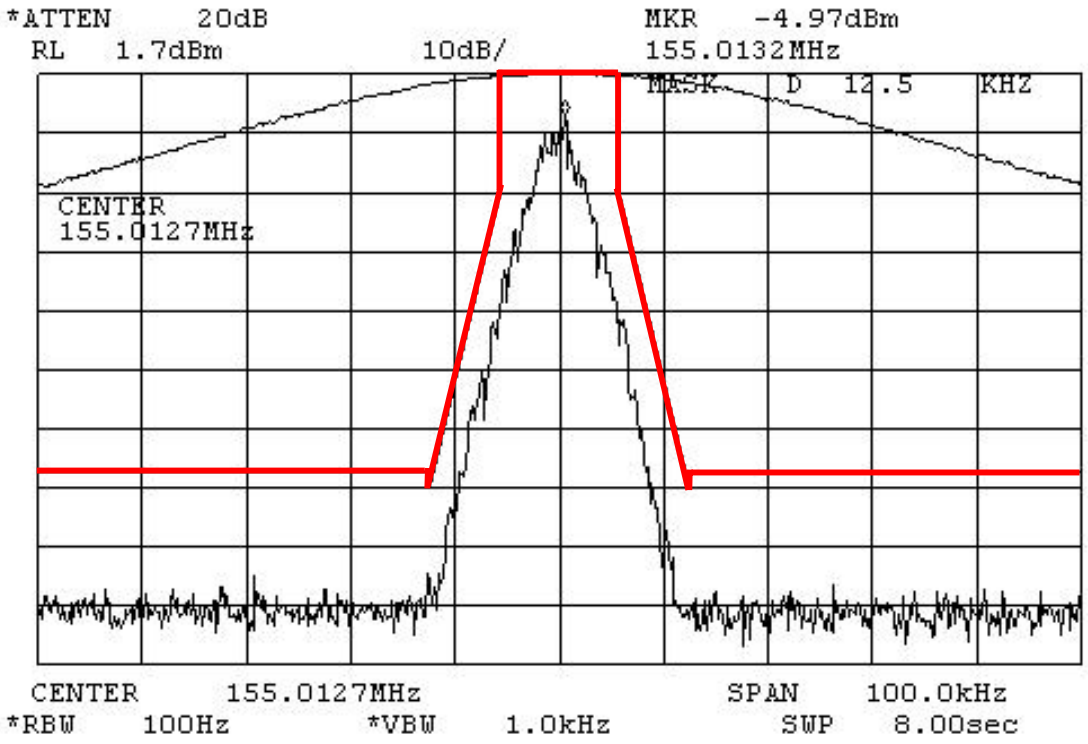


EXHIBIT 6E-5

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 8K10F1E)

FREQ = 155.0125 MHz MIN POWER SETTING DIGITAL VOICE ENCRYPTION
MASK D CHANNEL SPACING = 12.5 kHz

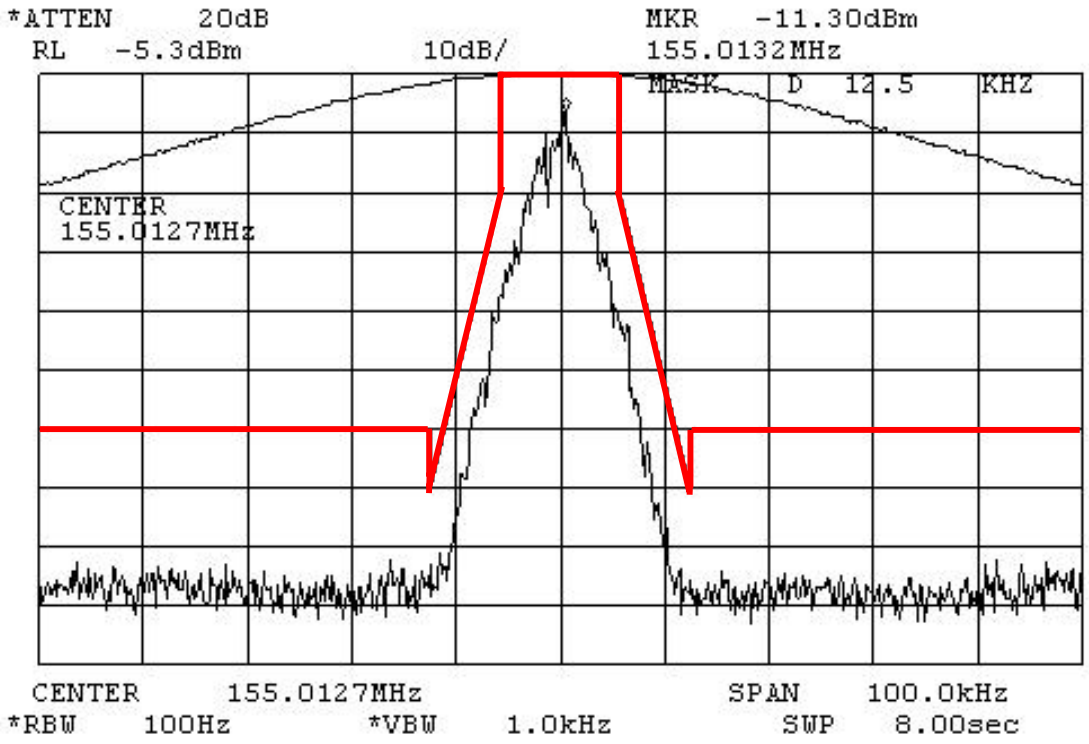
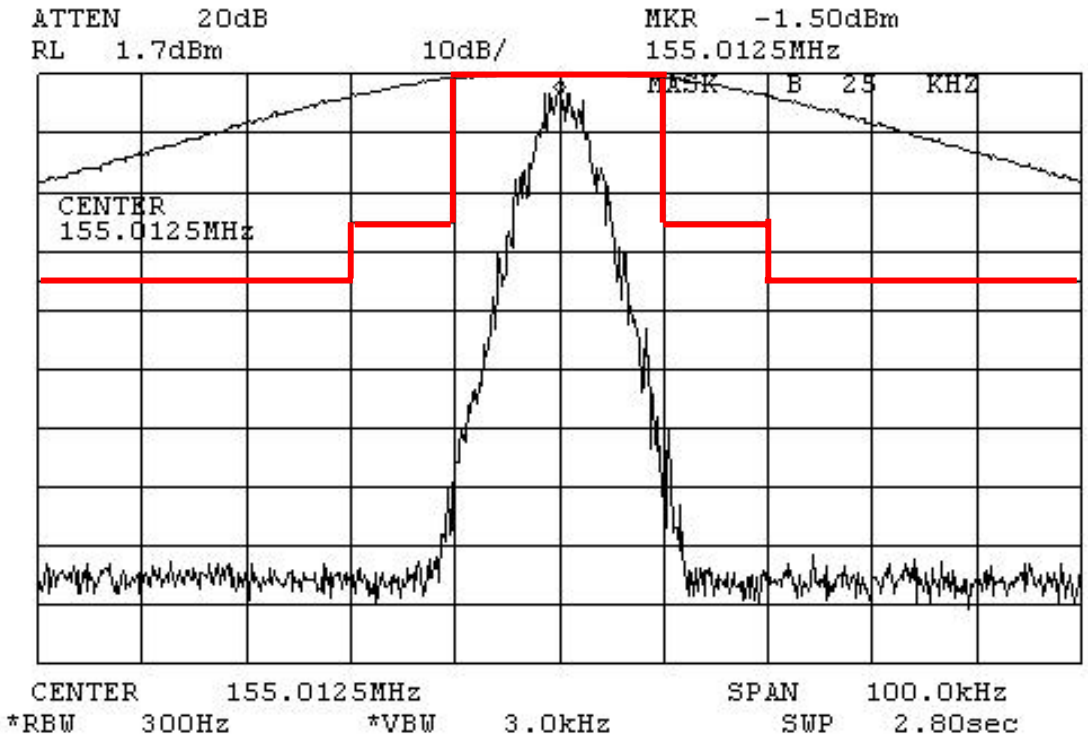


EXHIBIT 6E-6

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 20K0F1E)

FREQ = 155.0125 MHz **MAX POWER SETTING** **DIGITAL VOICE ENCRYPTION**
MASK B **CHANNEL SPACING = 20 kHz**



OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 20K0F1E)

FREQ = 155.0125 MHz **MIN POWER SETTING** **DIGITAL VOICE ENCRYPTION**
MASK B **CHANNEL SPACING = 20 kHz**

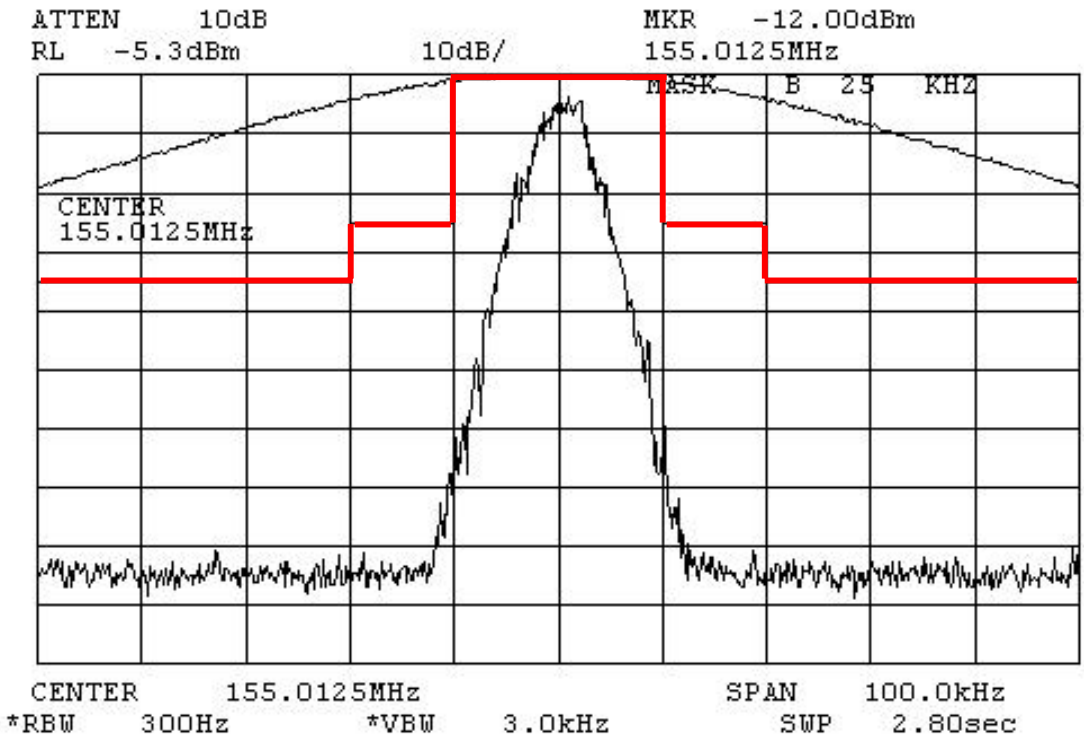
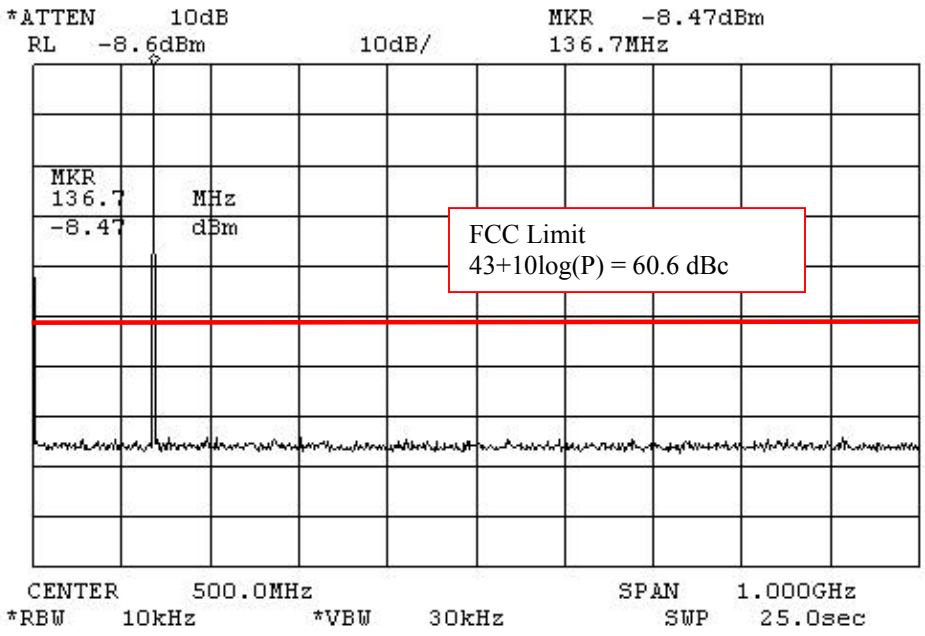


EXHIBIT 6F: CONDUCTED SPURIOUS EMISSIONS

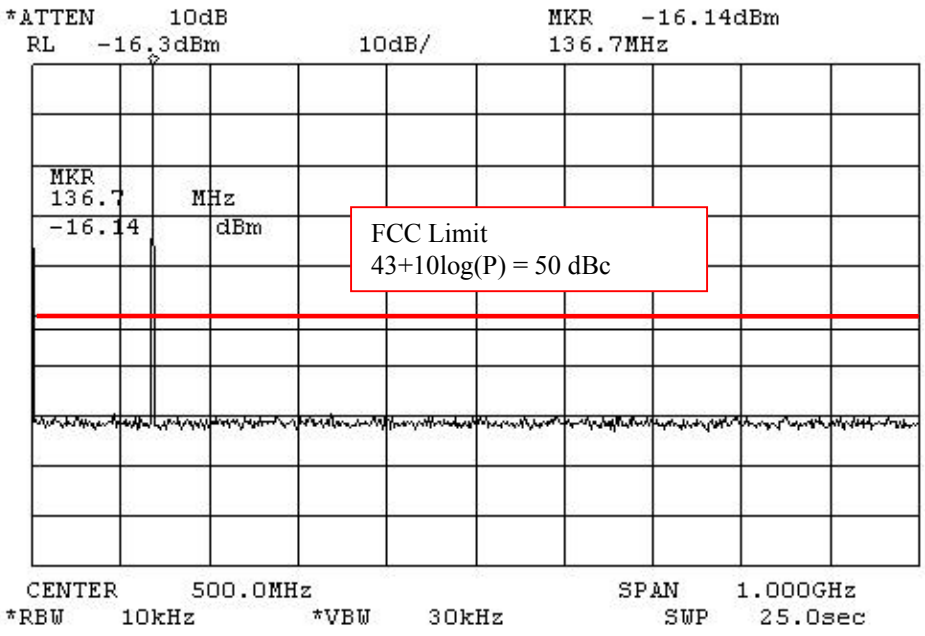
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 136.0125 MHz **MAX POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



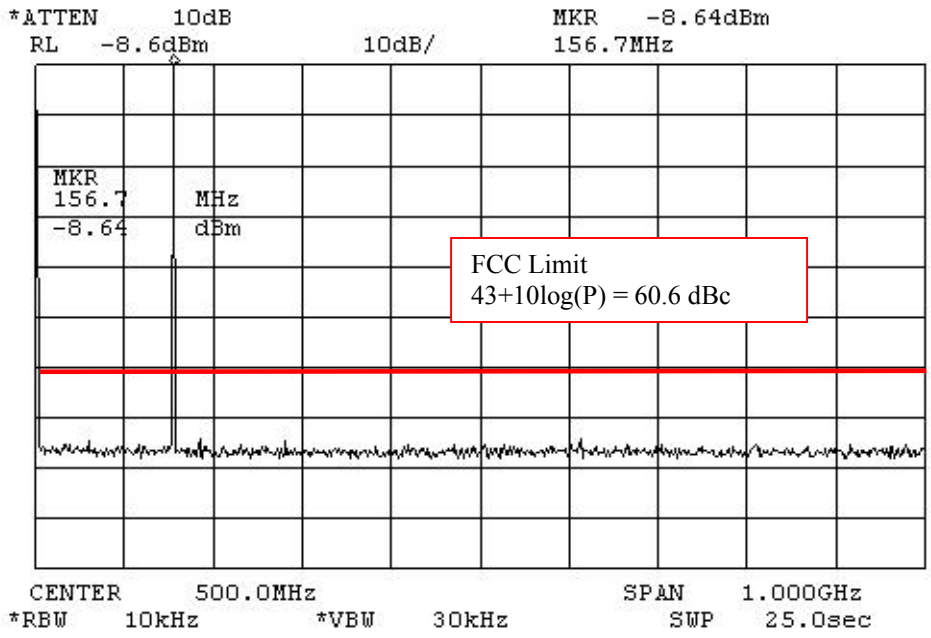
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 136.0125 MHz **MIN POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



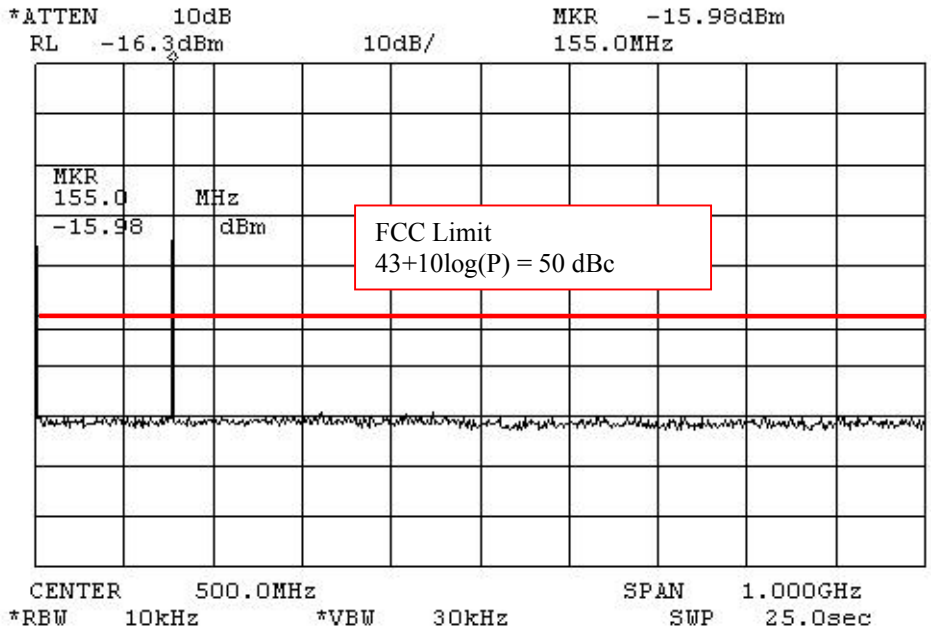
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 155.025 MHz **MAX POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



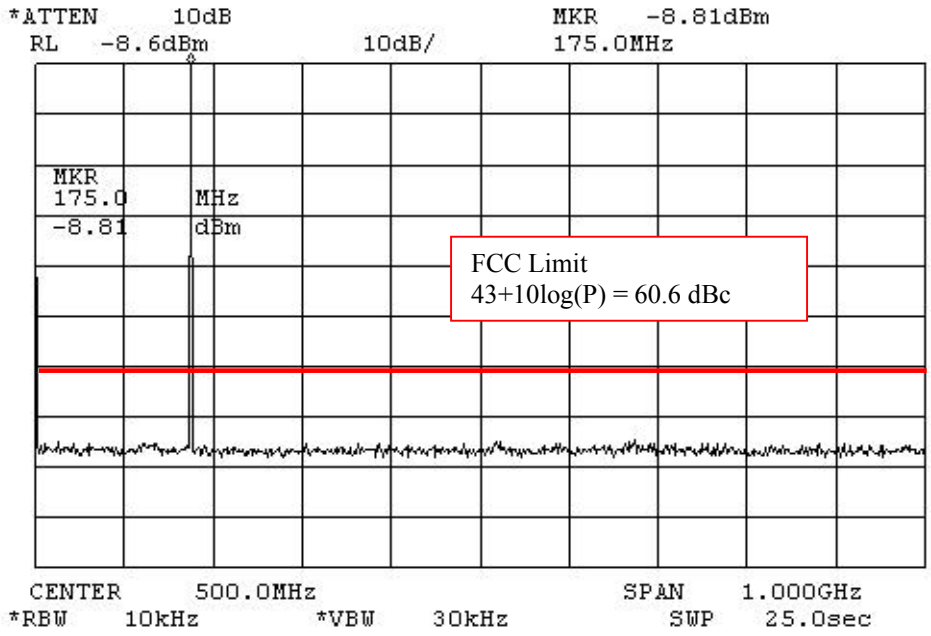
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 155.025 MHz **MIN POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



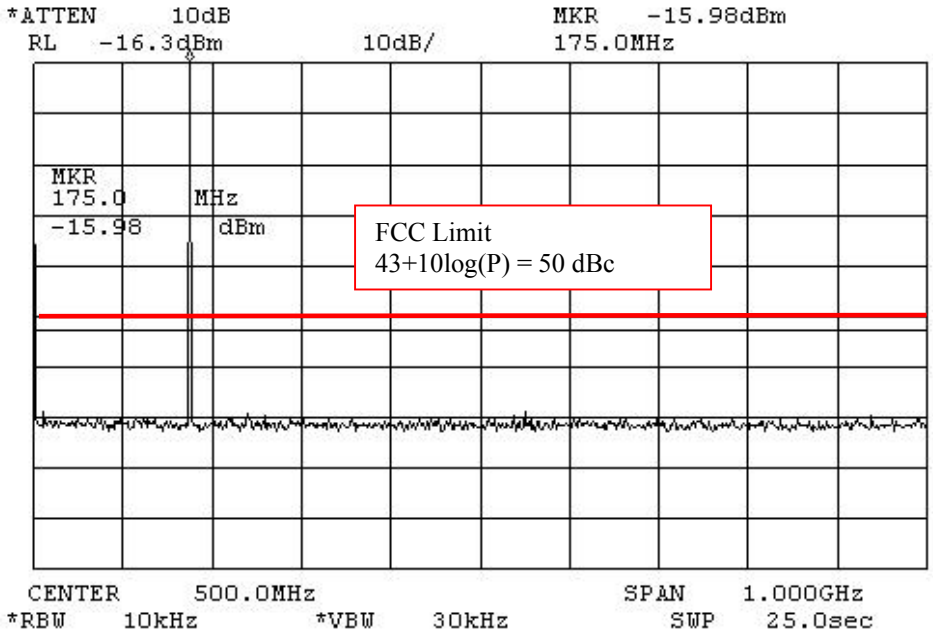
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 173.925 MHz **MAX POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



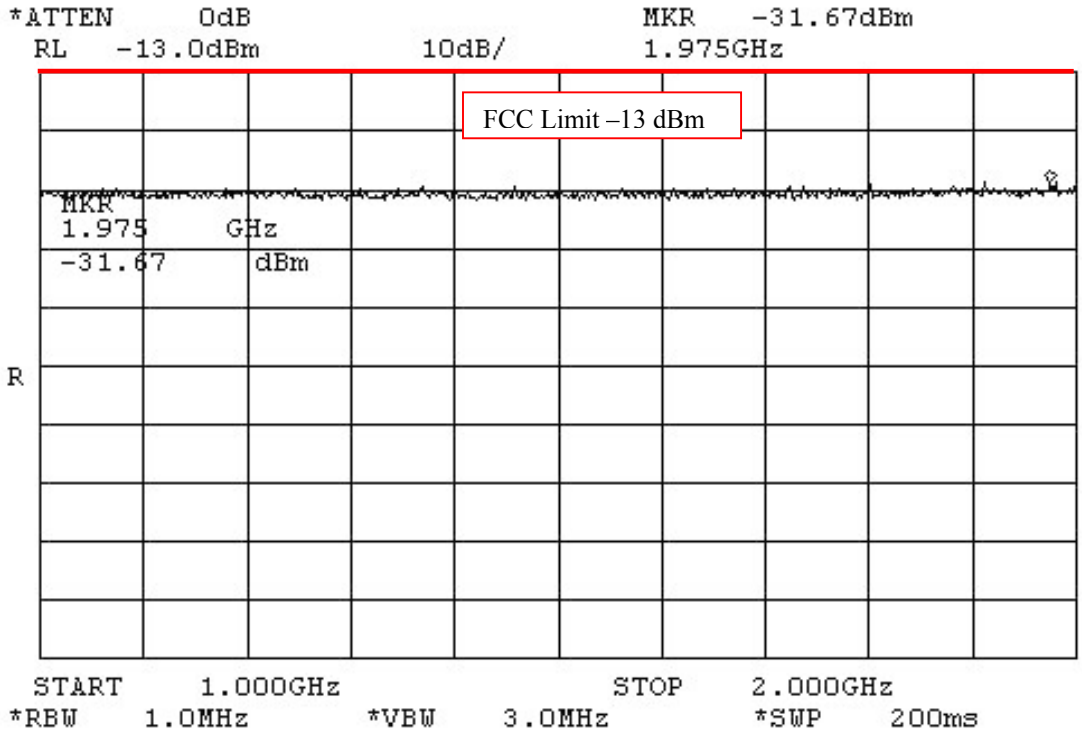
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 173.925 MHz **MIN POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



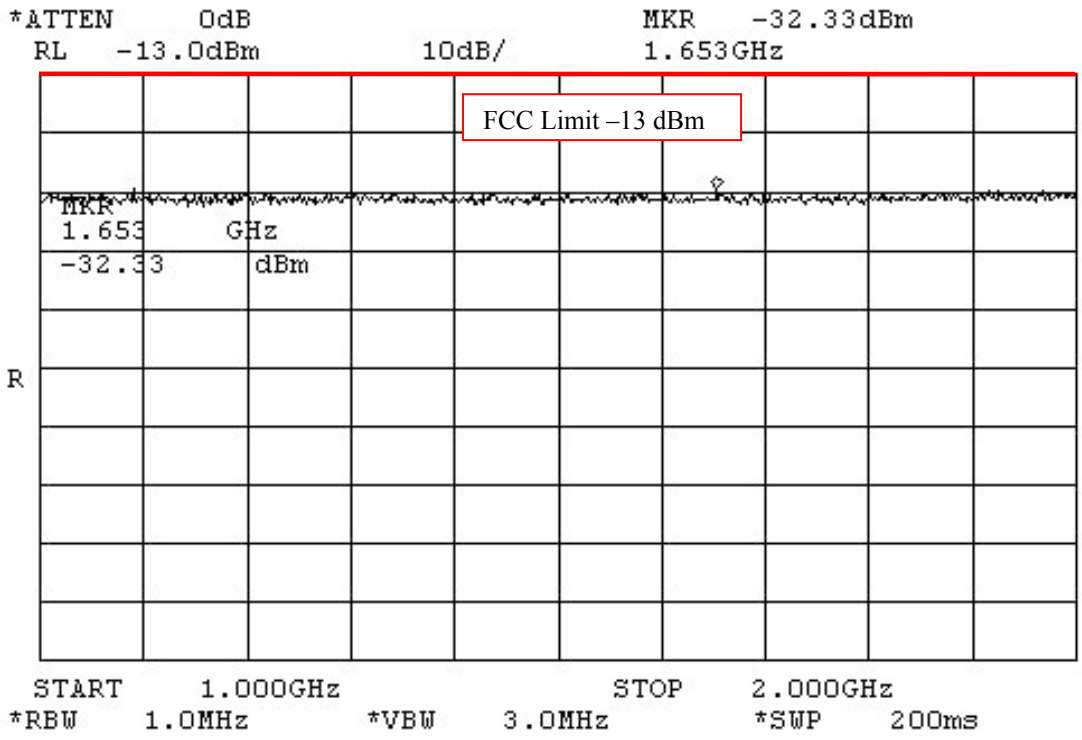
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 136.0125 MHz **MAX POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



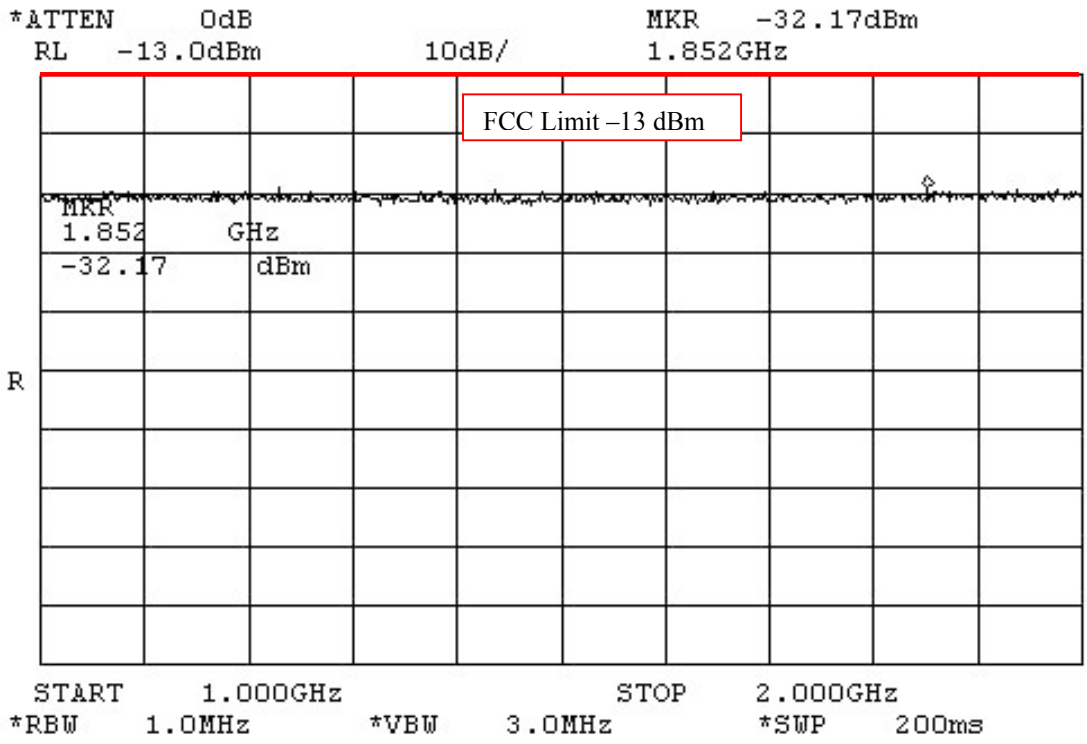
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 136.0125 MHz **MIN POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



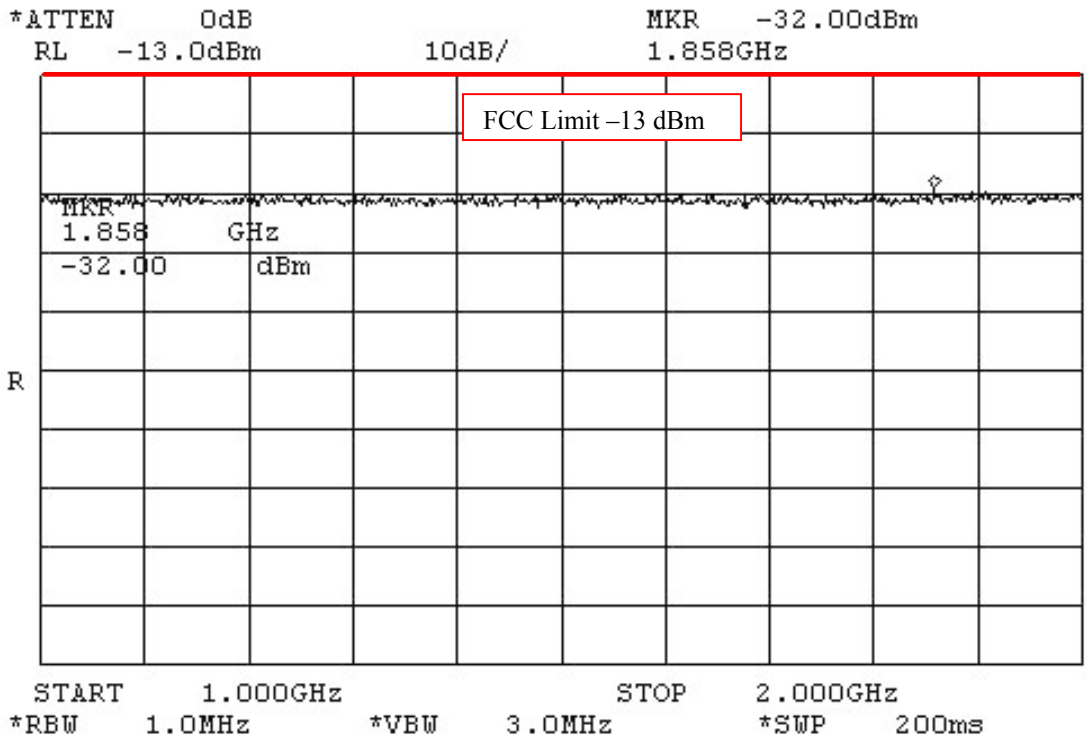
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 155.025 MHz **MAX POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



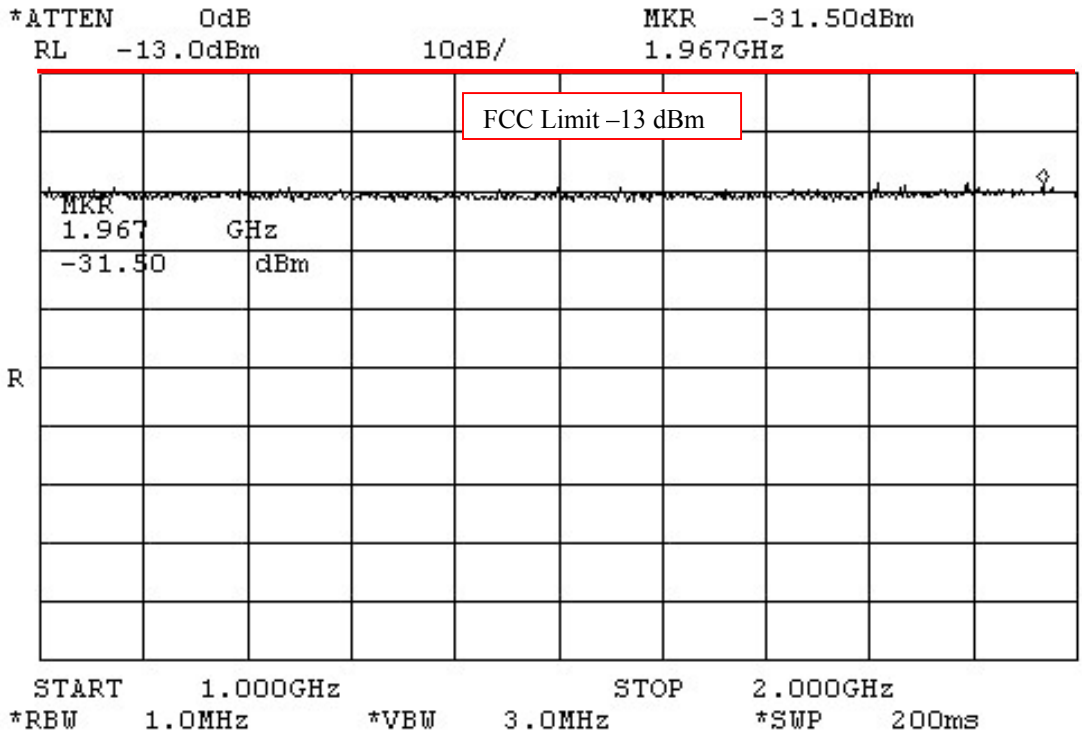
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 155.025 MHz **MIN POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



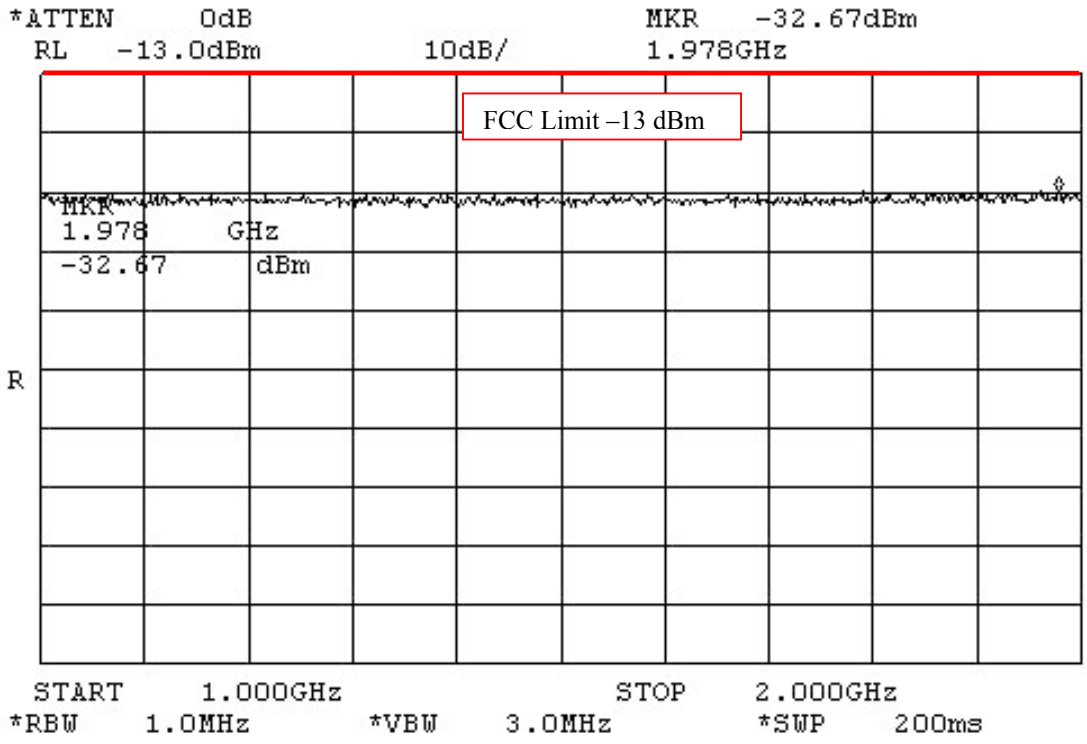
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 173.925 MHz **MAX POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



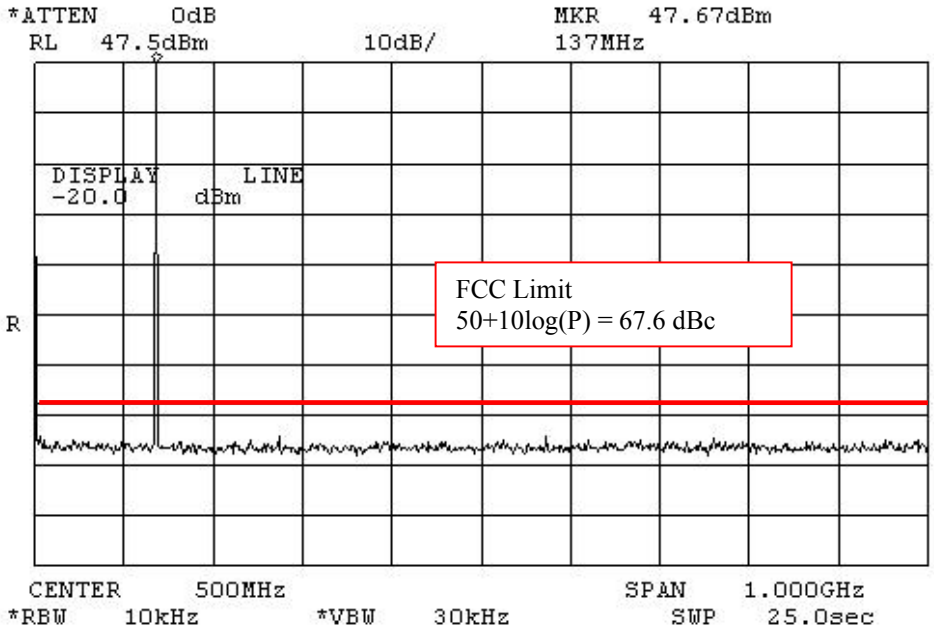
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 173.925 MHz **MIN POWER SETING** **ANALOG VOICE**
CHANNEL SPACING = 25 kHz



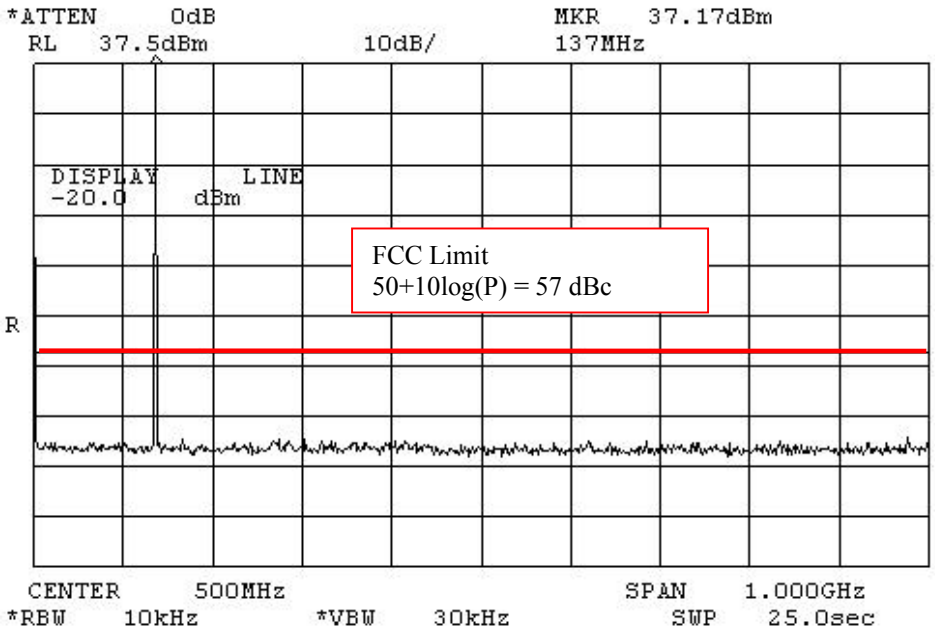
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 136.0125 MHz **MAX POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



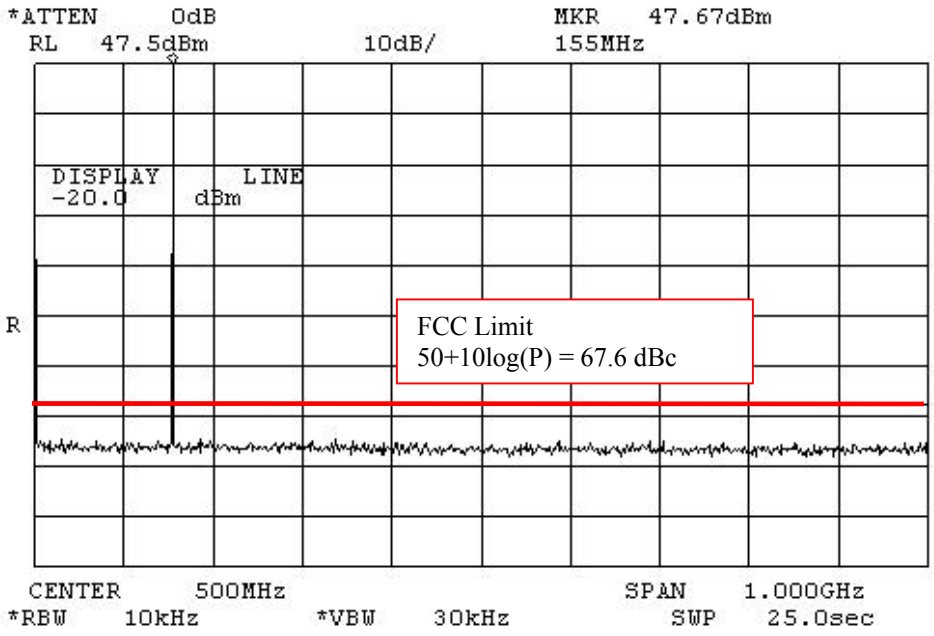
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 136.0125 MHz **MIN POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



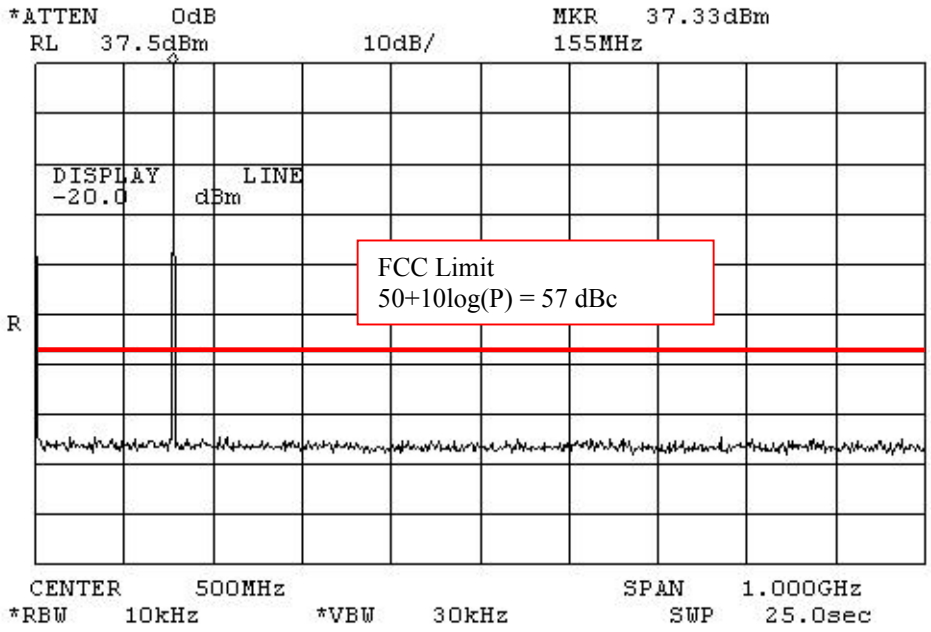
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 155.025 MHz **MAX POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



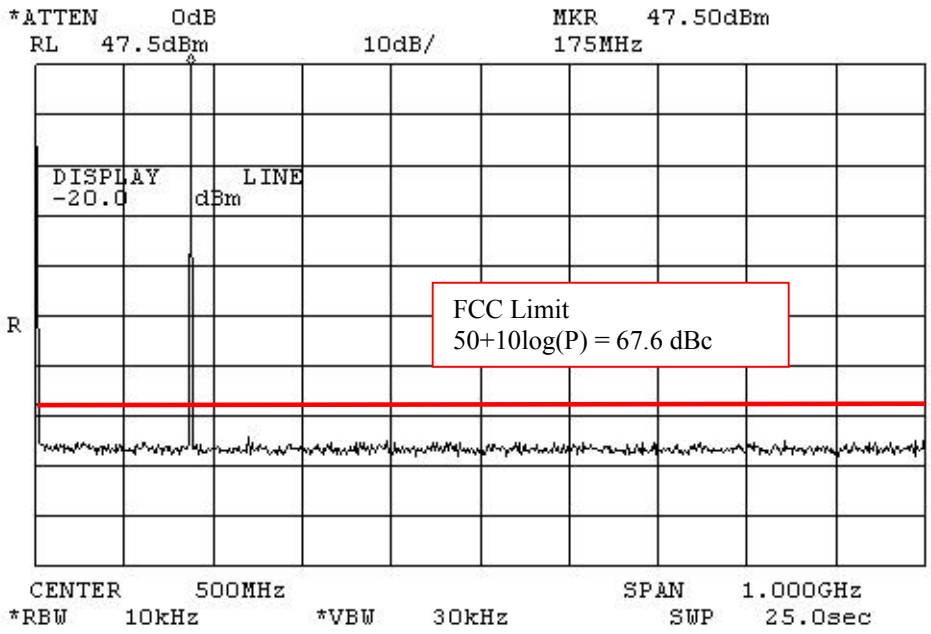
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 155.025 MHz **MIN POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



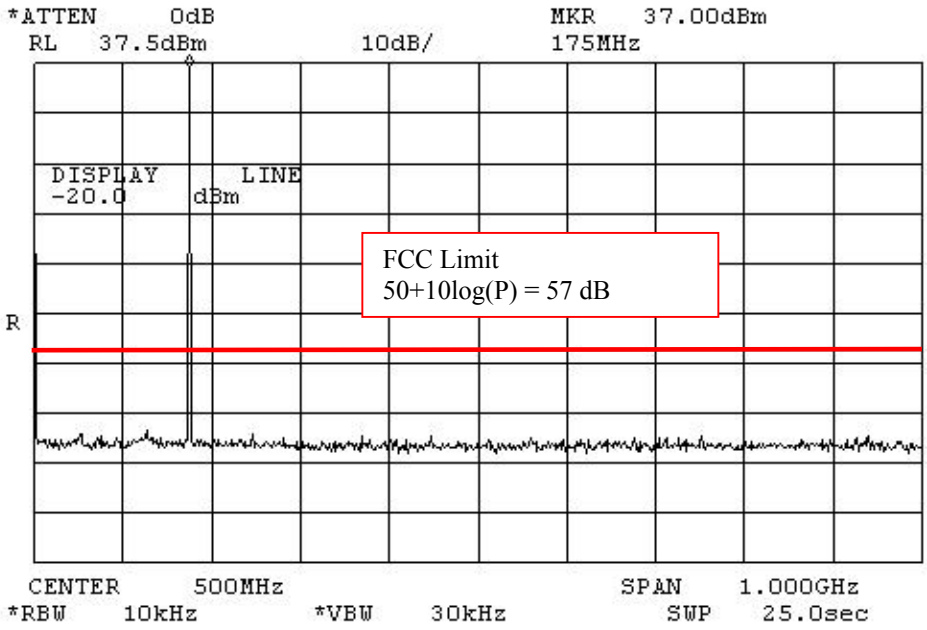
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 173.925 MHz **MAX POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



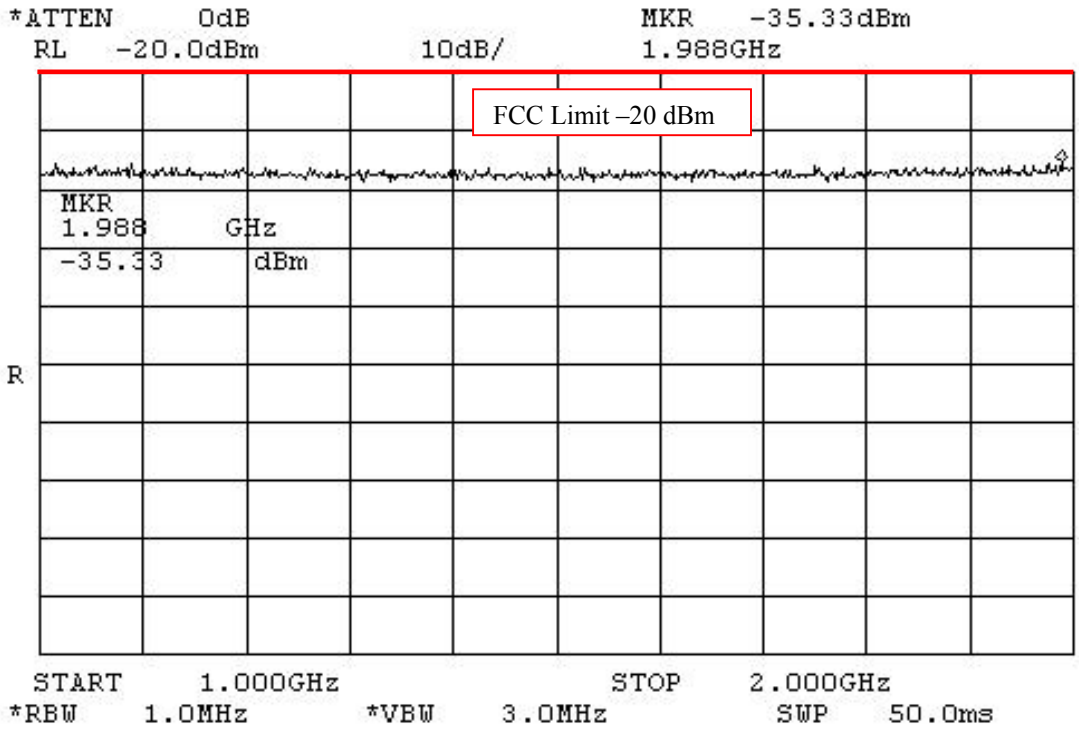
CONDUCTED EMISSIONS 9KHz – 1GHz

TX FREQ = 173.925 MHz **MIN POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



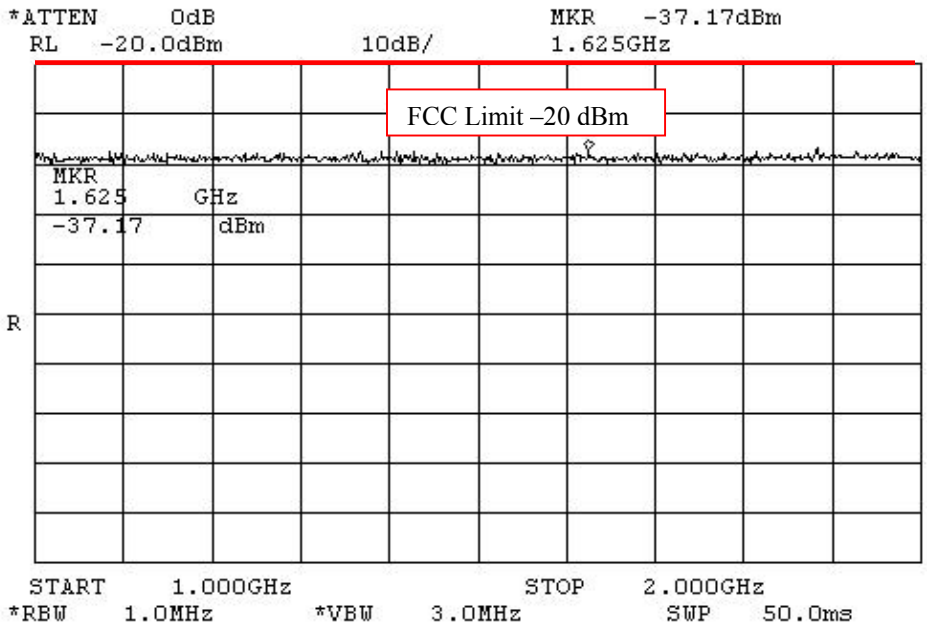
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 136.0125 MHz **MAX POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



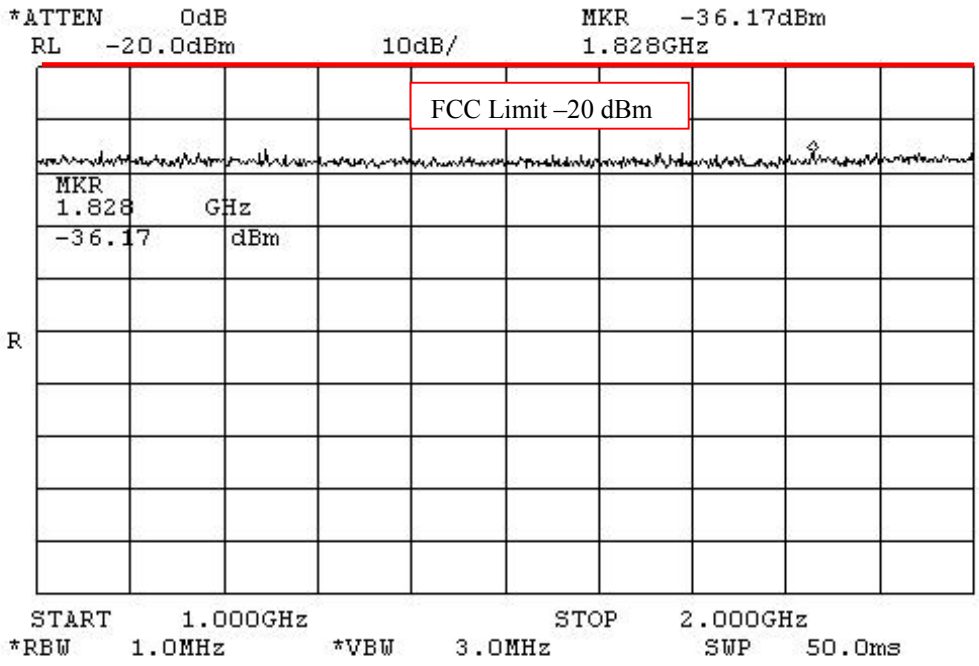
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 136.0125 MHz **MIN POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



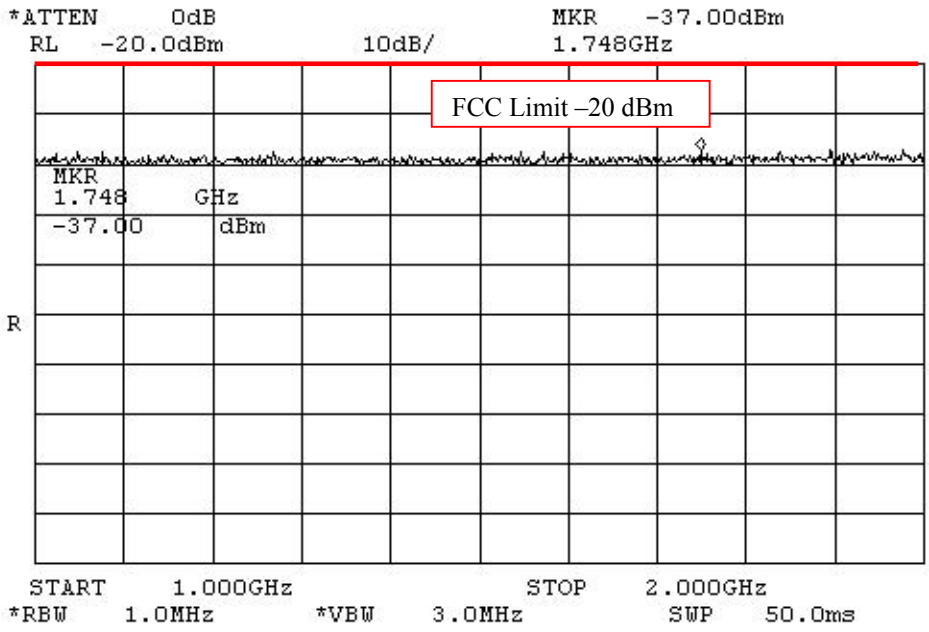
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 155.025 MHz **MAX POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



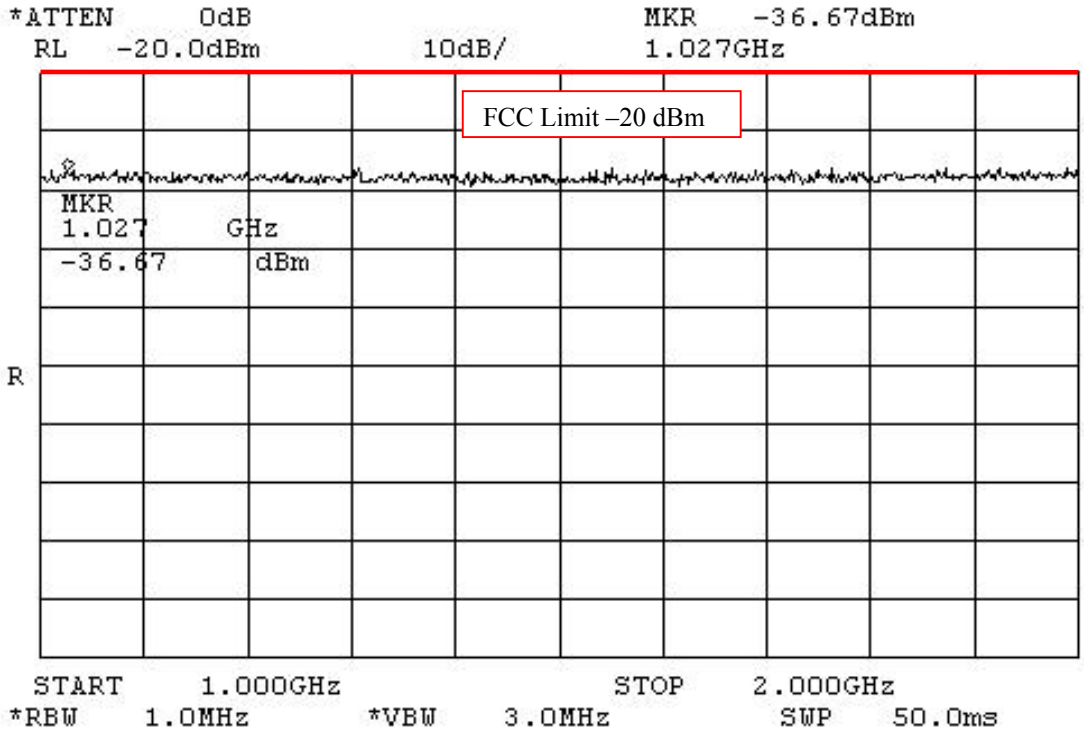
CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 155.025 MHz **MIN POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 173.925 MHz **MAX POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz



CONDUCTED EMISSIONS 1GHz – 2GHz

TX FREQ = 173.925 MHz **MIN POWER SETING** **DIGITAL DATA**
CHANNEL SPACING = 12.5 kHz

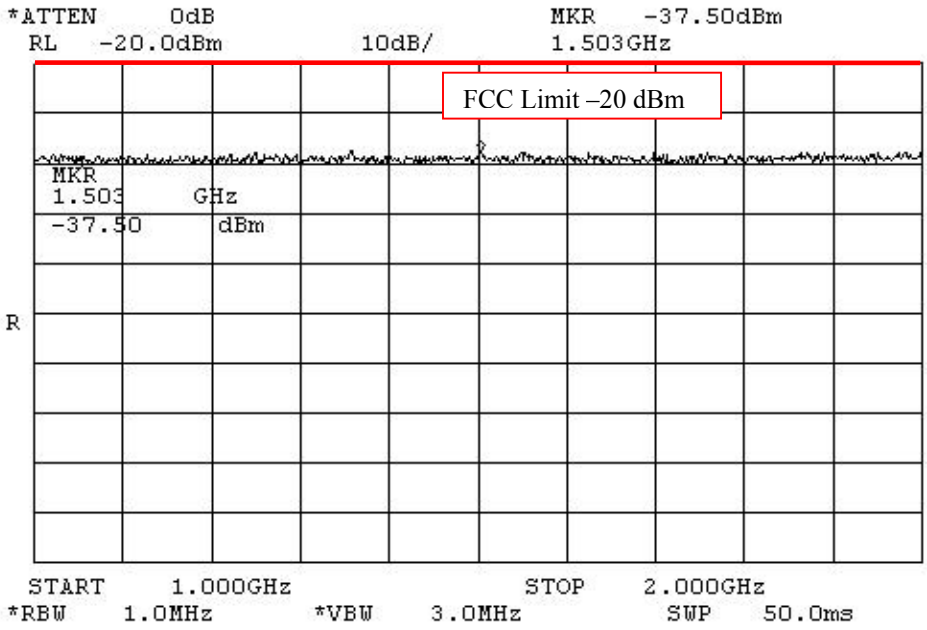
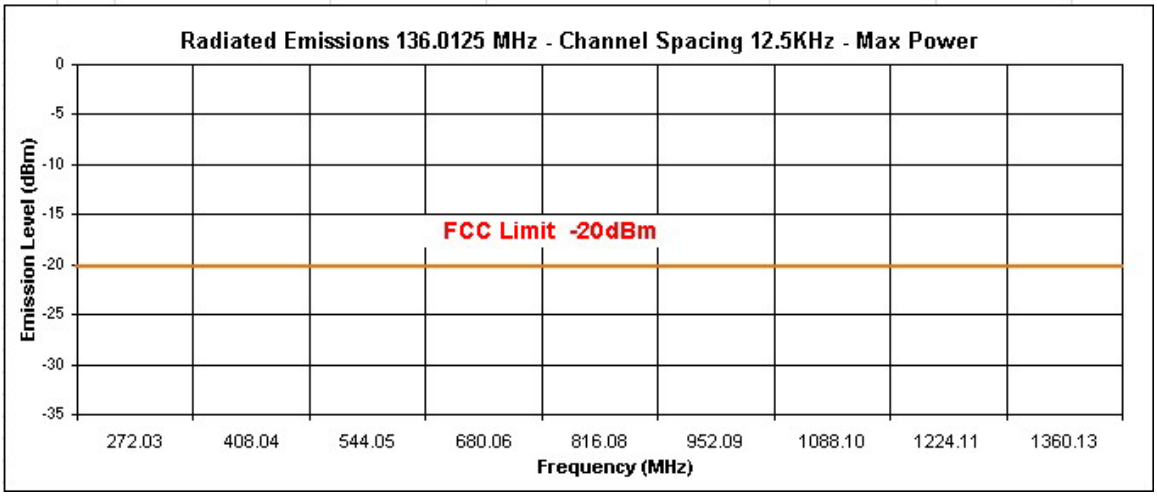


EXHIBIT 6F: RADIATED SPURIOUS EMISSIONS

Radiated Emission at TX frequency: 136.0125 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

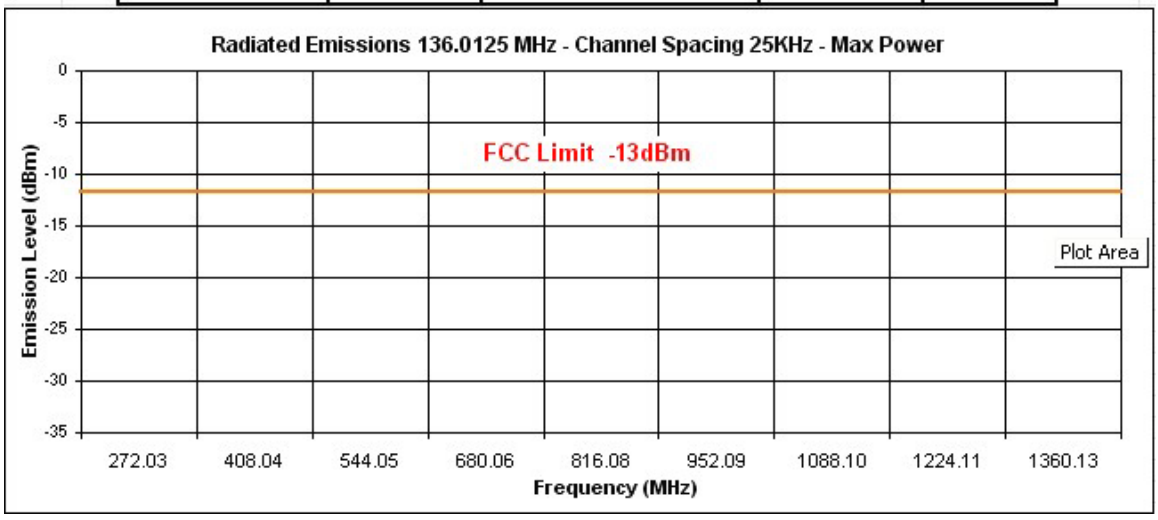
Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
2 x Fund	272.03	< -33	-20	> 13
3 x Fund	408.04	< -33	-20	>13
4 x Fund	544.05	< -33	-20	> 13
5 x Fund	680.06	< -33	-20	> 13
6 x Fund	816.08	< -33	-20	> 13
7 x Fund	952.09	< -33	-20	> 13
8 x Fund	1088.10	< -33	-20	> 13
9 x Fund	1224.11	< -33	-20	> 13
10 x Fund	1360.13	< -33	-20	> 13



Radiated Emission at TX frequency: 136.0125 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
2 x Fund	272.03	< -33	-13	> 20
3 x Fund	408.04	< -33	-13	> 20
4 x Fund	544.05	< -33	-13	> 20
5 x Fund	680.06	< -33	-13	> 20
6 x Fund	816.08	< -33	-13	> 20
7 x Fund	952.09	< -33	-13	> 20
8 x Fund	1088.10	< -33	-13	> 20
9 x Fund	1224.11	< -33	-13	> 20
10 x Fund	1360.13	< -33	-13	> 20



Radiated Emission at TX frequency: 136.0125 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
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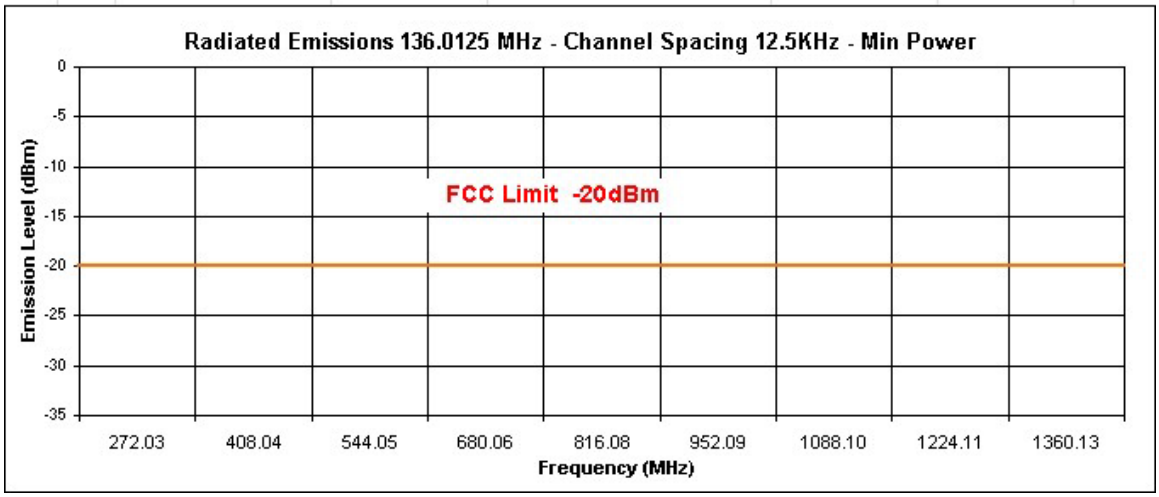
5 x Fund	680.06	< -33	-20	> 13
6 x Fund	816.08	< -33	-20	> 13
7 x Fund	952.09	< -33	-20	> 13
8 x Fund	1088.10	< -33	-20	> 13
9 x Fund	1224.11	< -33	-20	> 13
10 x Fund	1360.13	< -33	-20	> 13



Radiated Emission at TX frequency: 136.0125 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
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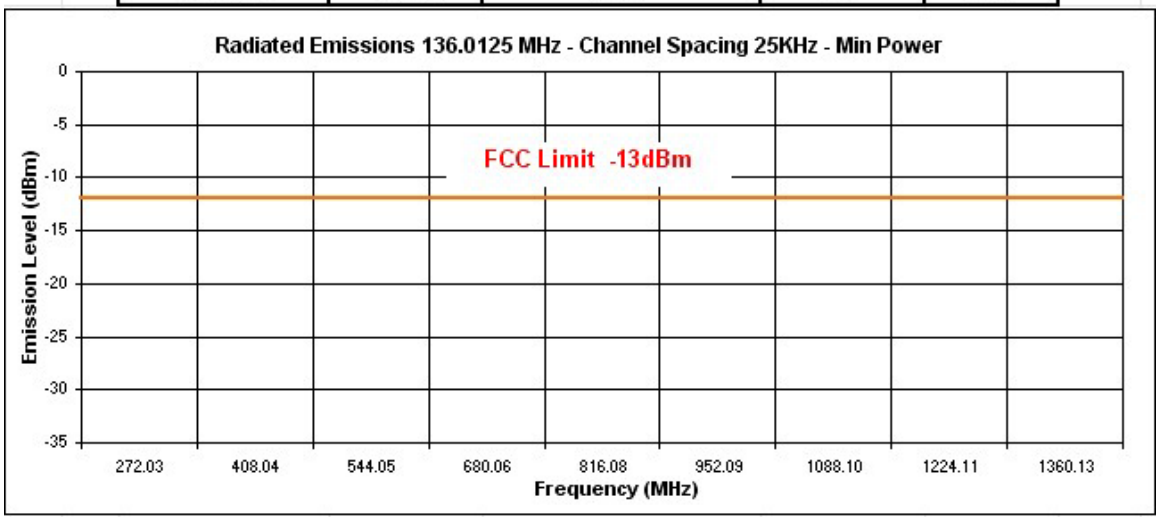
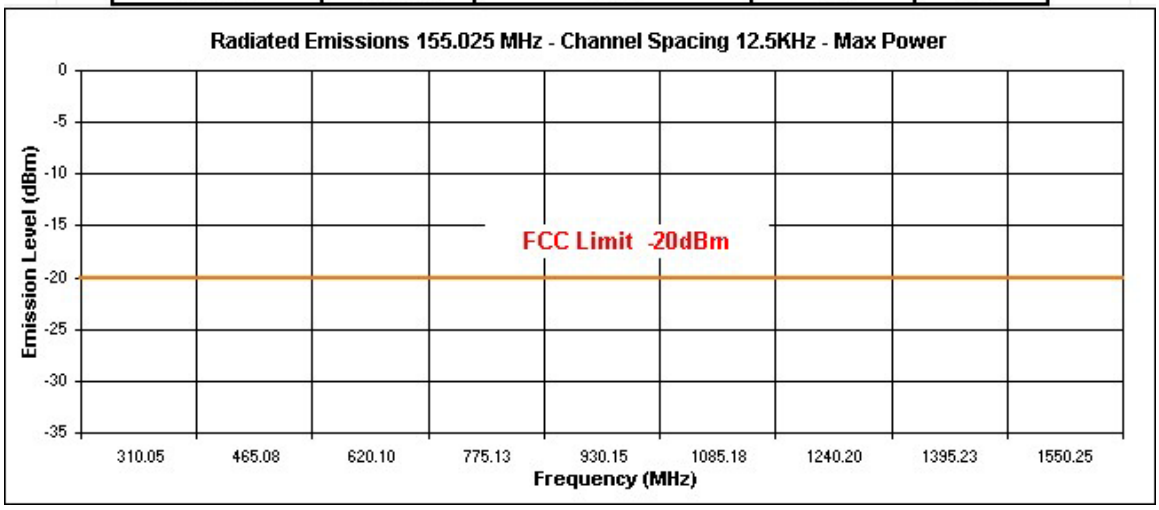
6 x Fund	816.08	< -33	-13	> 20
7 x Fund	952.09	< -33	-13	> 20
8 x Fund	1088.10	< -33	-13	> 20
9 x Fund	1224.11	< -33	-13	> 20
10 x Fund	1360.13	< -33	-13	> 20



Radiated Emission at TX frequency: 155.0250 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
2 x Fund	310.05	< -33	-20	> 13
3 x Fund	465.08	< -33	-20	>13
4 x Fund	620.10	< -33	-20	> 13
5 x Fund	775.13	< -33	-20	> 13
6 x Fund	930.15	< -33	-20	> 13
7 x Fund	1085.18	< -33	-20	> 13
8 x Fund	1240.20	< -33	-20	> 13
9 x Fund	1395.23	< -33	-20	> 13
10 x Fund	1550.25	< -33	-20	> 13



Radiated Emission at TX frequency: 155.0250 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
2 x Fund	310.05	< -33	-13	> 20
3 x Fund	465.08	< -33	-13	> 20
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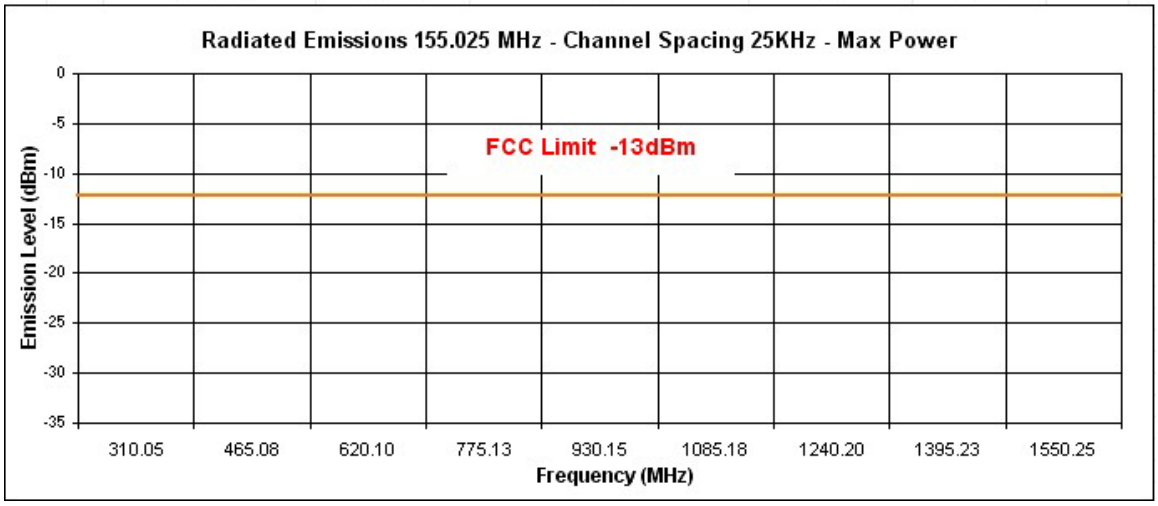
6 x Fund	930.15	< -33	-13	> 20
7 x Fund	1085.18	< -33	-13	> 20
8 x Fund	1240.20	< -33	-13	> 20
9 x Fund	1395.23	< -33	-13	> 20
10 x Fund	1550.25	< -33	-13	> 20



Radiated Emission at TX frequency: 155.0250 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
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6 x Fund	930.15	< -33	-20	> 13
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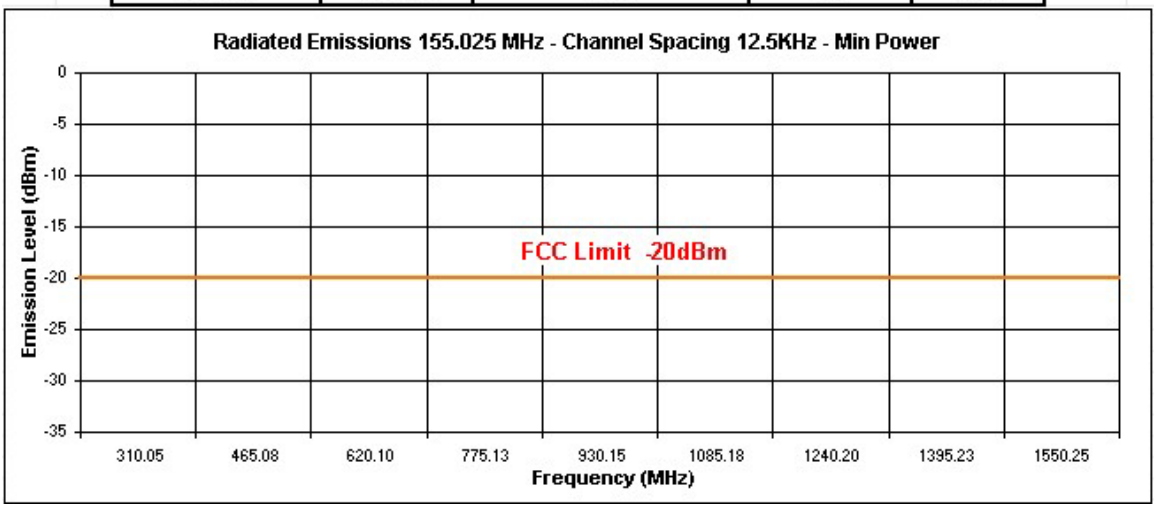
8 x Fund	1240.20	< -33	-20	> 13
9 x Fund	1395.23	< -33	-20	> 13
10 x Fund	1550.25	< -33	-20	> 13



Radiated Emission at TX frequency: 155.0250 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
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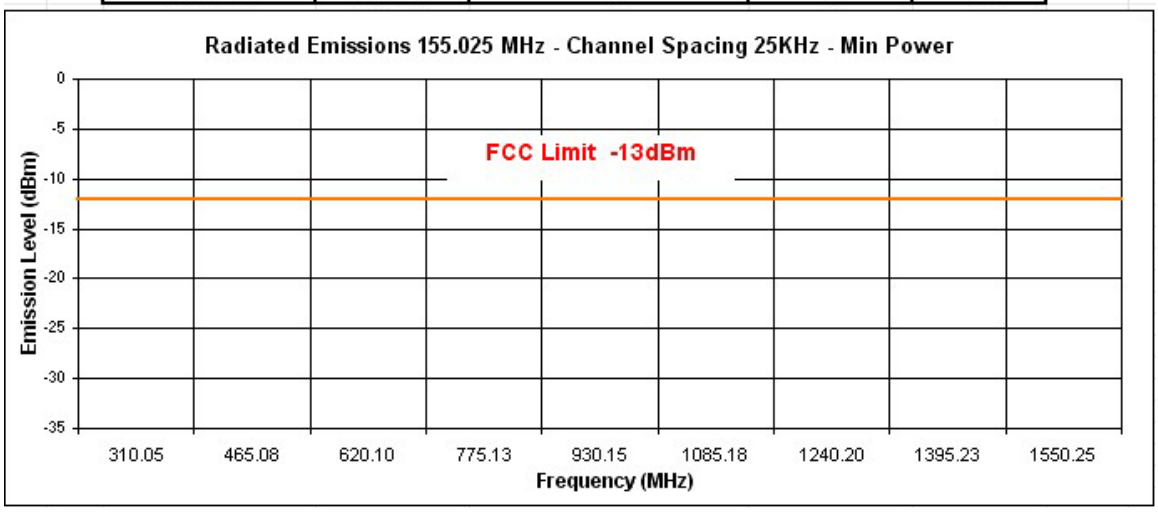
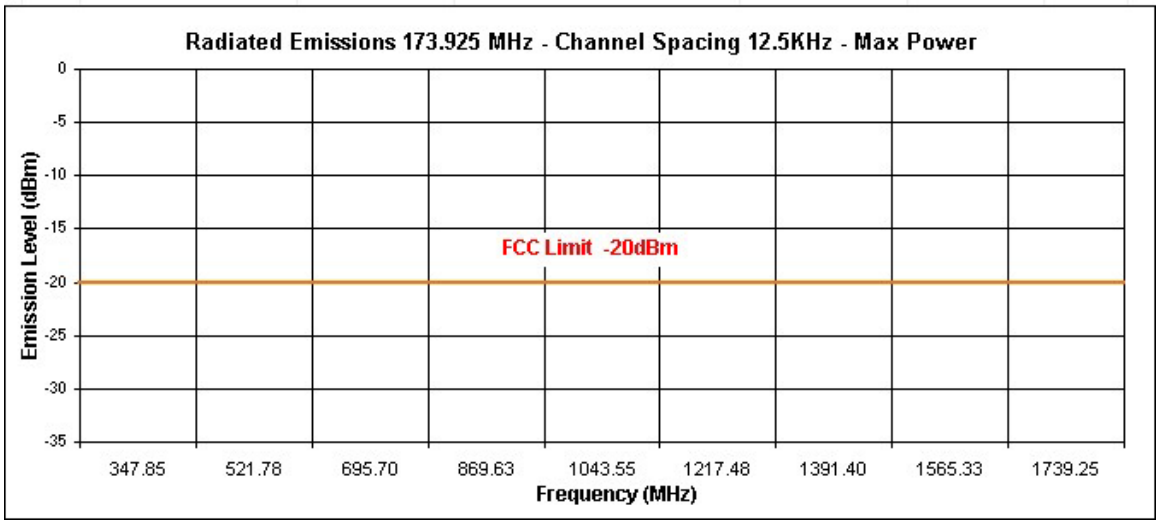
6 x Fund	930.15	< -33	-13	> 20
7 x Fund	1085.18	< -33	-13	> 20
8 x Fund	1240.20	< -33	-13	> 20
9 x Fund	1395.23	< -33	-13	> 20
10 x Fund	1550.25	< -33	-13	> 20



Radiated Emission at TX frequency: 173.9250 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

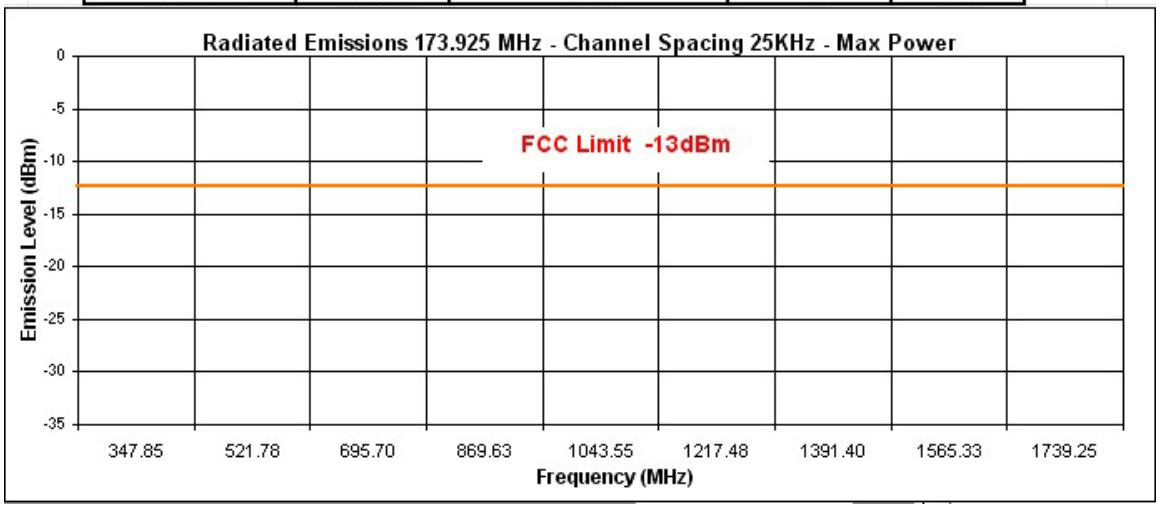
Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
2 x Fund	347.85	< -33	-20	> 13
3 x Fund	521.78	< -33	-20	>13
4 x Fund	695.70	< -33	-20	> 13
5 x Fund	869.63	< -33	-20	> 13
6 x Fund	1043.55	< -33	-20	> 13
7 x Fund	1217.48	< -33	-20	> 13
8 x Fund	1391.40	< -33	-20	> 13
9 x Fund	1565.33	< -33	-20	> 13
10 x Fund	1739.25	< -33	-20	> 13



Radiated Emission at TX frequency: 173.9250 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
2 x Fund	347.85	< -33	-13	> 20
3 x Fund	521.78	< -33	-13	> 20
4 x Fund	695.70	< -33	-13	> 20
5 x Fund	869.63	< -33	-13	> 20
6 x Fund	1043.55	< -33	-13	> 20
7 x Fund	1217.48	< -33	-13	> 20
8 x Fund	1391.40	< -33	-13	> 20
9 x Fund	1565.33	< -33	-13	> 20
10 x Fund	1739.25	< -33	-13	> 20



Radiated Emission at TX frequency: 173.9250 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
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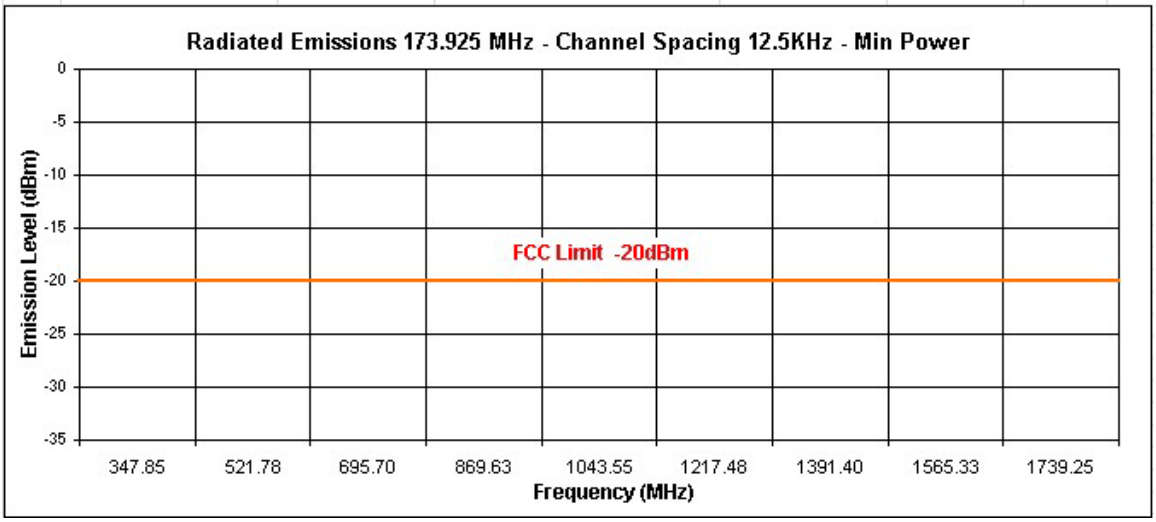
3 x Fund	521.78	< -33	-20	>13
4 x Fund	695.70	< -33	-20	> 13
5 x Fund	869.63	< -33	-20	> 13
6 x Fund	1043.55	< -33	-20	> 13
7 x Fund	1217.48	< -33	-20	> 13
8 x Fund	1391.40	< -33	-20	> 13
9 x Fund	1565.33	< -33	-20	> 13
10 x Fund	1739.25	< -33	-20	> 13



Radiated Emission at TX frequency: 173.9250 MHz

Measured were performed in HERMON LABRATORIES test house and the maximum polarization is reported

Description	Frequency (MHz)	Radiated Dipole Equivalent Power (dBm)	Specification limit (dBm)	Margin (dB)
2 x Fund	347.85	< -33	-13	> 20
3 x Fund	521.78	< -33	-13	> 20
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7 x Fund	1217.48	< -33	-13	> 20
8 x Fund	1391.40	< -33	-13	> 20
9 x Fund	1565.33	< -33	-13	> 20
10 x Fund	1739.25	< -33	-13	> 20

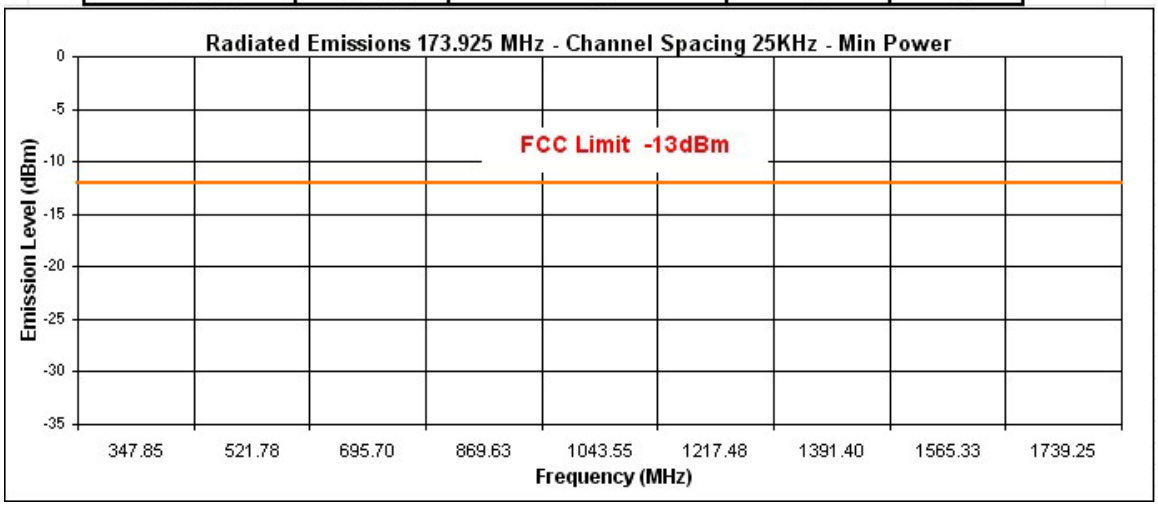


EXHIBIT 6H: FREQUENCY STABILITY

EXHIBIT 6H-1 FREQUENCY STABILITY Vs. TEMPERATURE

Frequency error Vs. Temperature
Limit:+/- 2.5 [ppm]
Output power: 53.7 [W]

Temperature [degC]	Frequency Error [Hz]	Error [ppm]
-30	5.1154125	0.033
-25	62.315025	0.402
-20	29.14235	0.188
-15	4.1853375	0.027
-10	64.9502375	0.419
-5	69.4456	0.448
0	28.0572625	0.181
5	35.032825	0.226
10	110.058875	0.710
15	93.317525	0.602
20	37.0479875	0.239
25	23.4068875	0.151
30	7.4406	0.048
35	13.951125	0.090
40	39.373175	0.254
45	22.7868375	0.147
50	39.8382125	0.257
55	33.0176625	0.213
60	56.42455	0.364

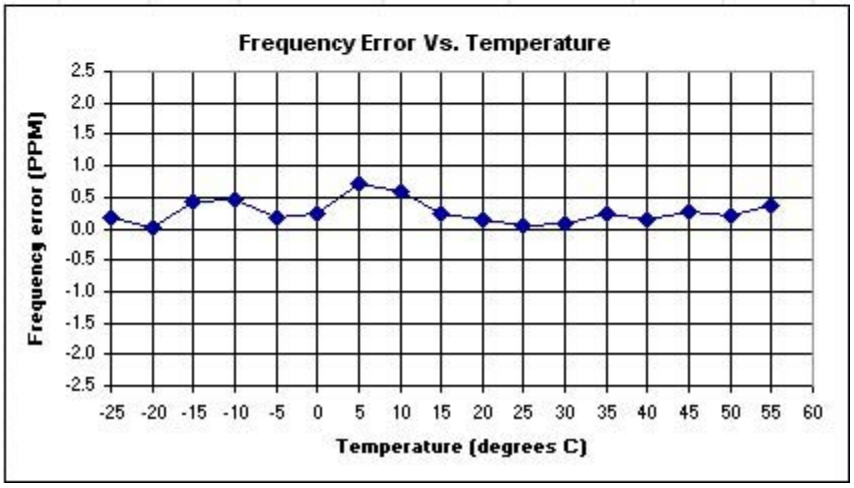


EXHIBIT 6H-2 FREQUENCY STABILITY Vs. SUPPLY VOLTAGE

Frequency error Vs. Supply voltage

TX Frequency: 155.0125 MHz

Voltage (Volt)	Frequency Error [Hz]	Error [ppm]
10.8	15.811275	0.102
11.3	16.1213	0.104
11.8	15.50125	0.100
12.3	15.9662875	0.103
12.8	16.8963625	0.109
13.3	15.9662875	0.103
13.8	16.5863375	0.107
14.3	16.5863375	0.107
14.8	16.8963625	0.109
15.3	16.431325	0.106
15.8	16.8963625	0.109
16.3	16.74135	0.108
16.8	16.5863375	0.107

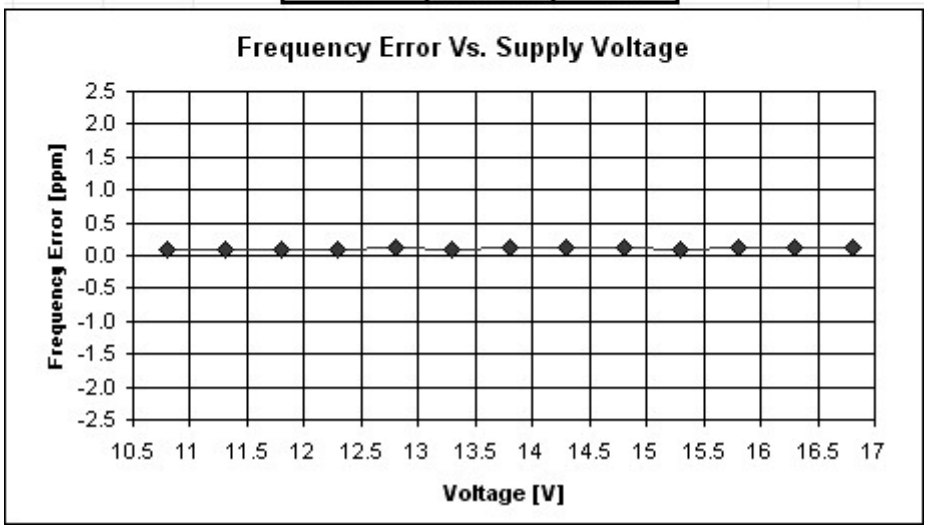
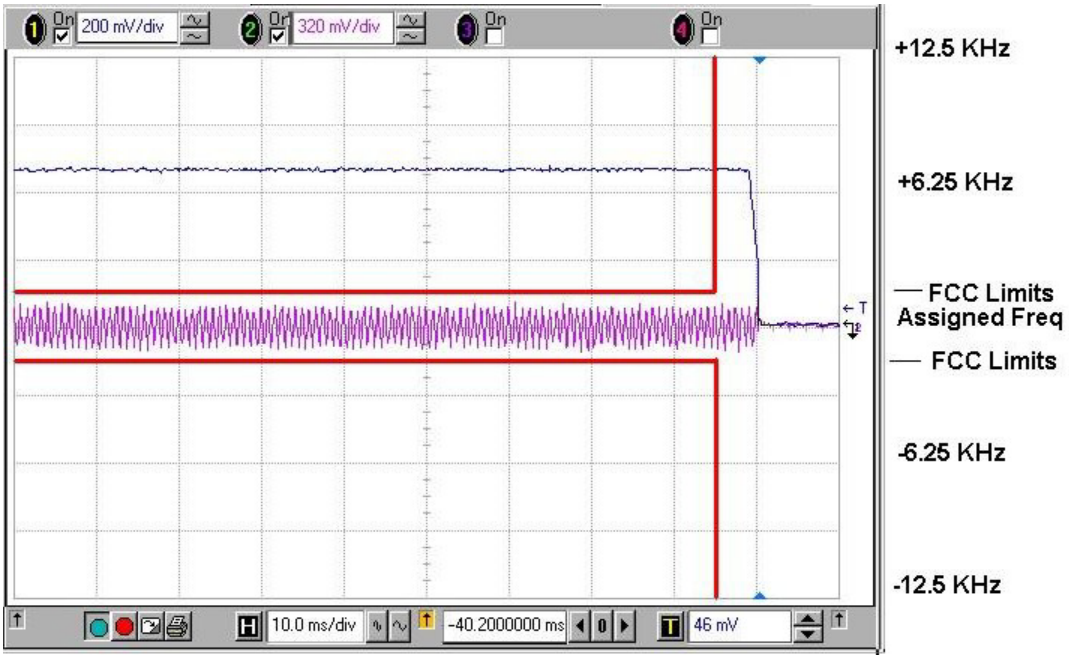
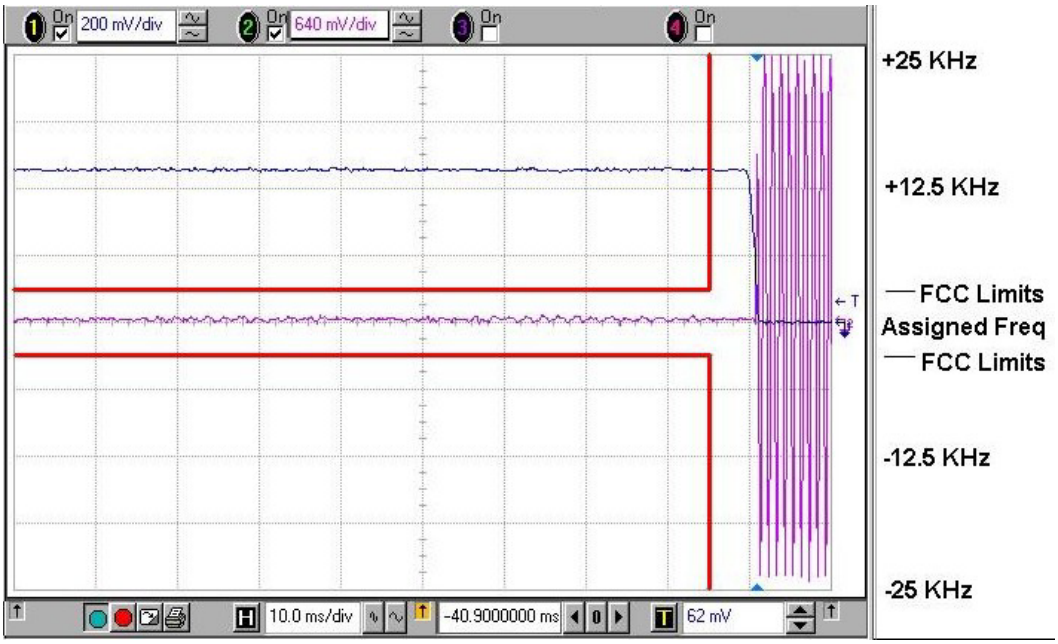


EXHIBIT 6H: TRANSIENT RESPONSE

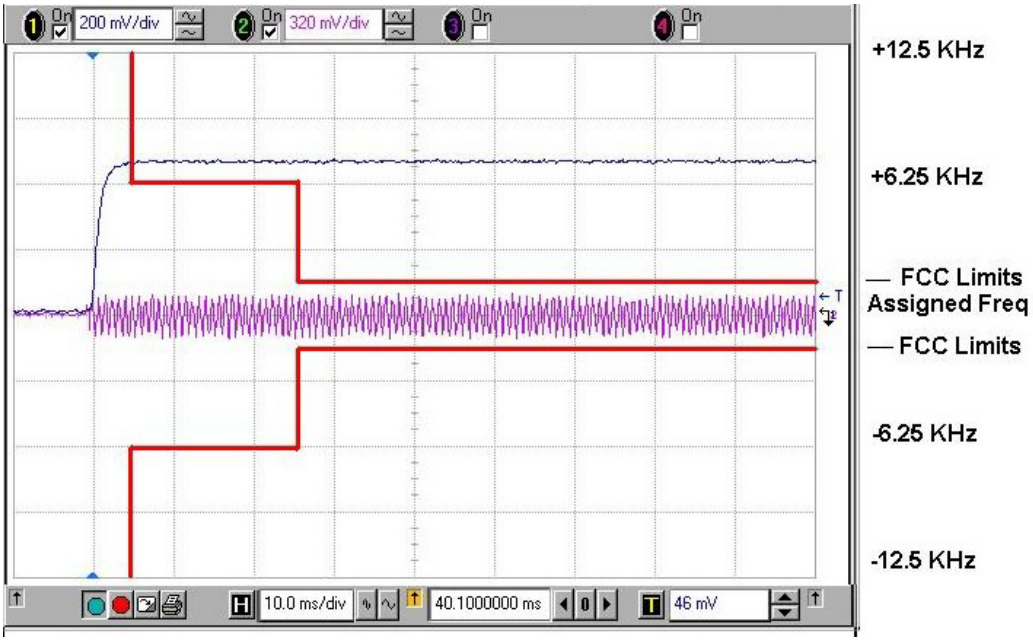
FREQ = 155.0125 MHz **MAX POWER SETING** **ANALOG VOICE**
KEY DEKEY TRANSIENT **CHANNEL SPACING = 12.5 kHz**



FREQ = 155.0125 MHz **MAX POWER SETING** **ANALOG VOICE**
KEY DEKEY TRANSIENT **CHANNEL SPACING = 25 kHz**



FREQ = 155.0125 MHz **MAX POWER SETING** **ANALOG VOICE**
DEKEY KEY TRANSIENT **CHANNEL SPACING = 12.5 kHz**



FREQ = 155.0125 MHz **MAX POWER SETING** **ANALOG VOICE**
DEKEY KEY TRANSIENT **CHANNEL SPACING = 25 kHz**