

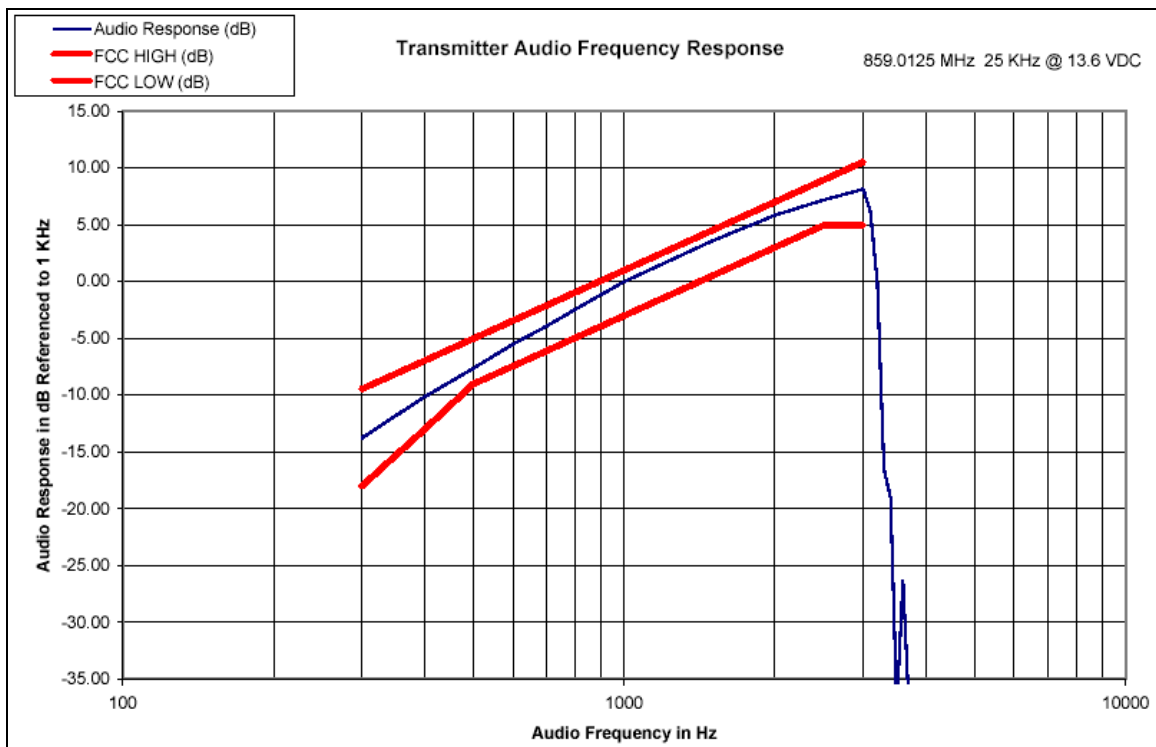
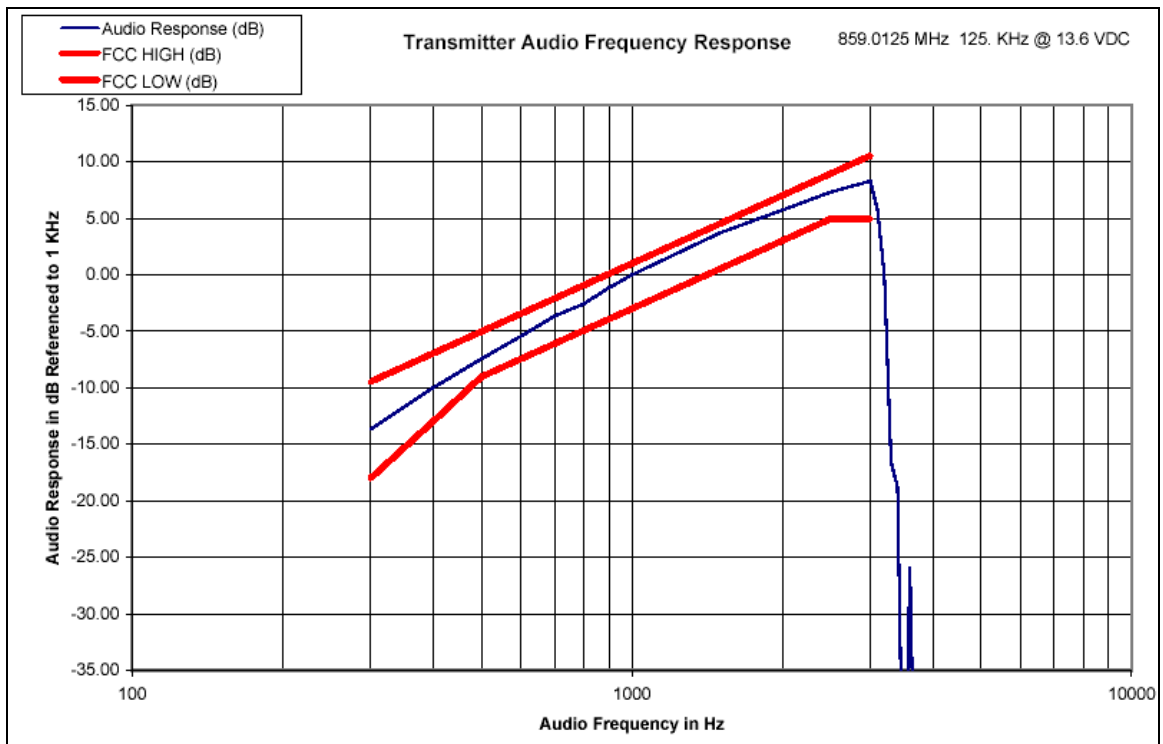
SUBMITTED MEASURED DATA

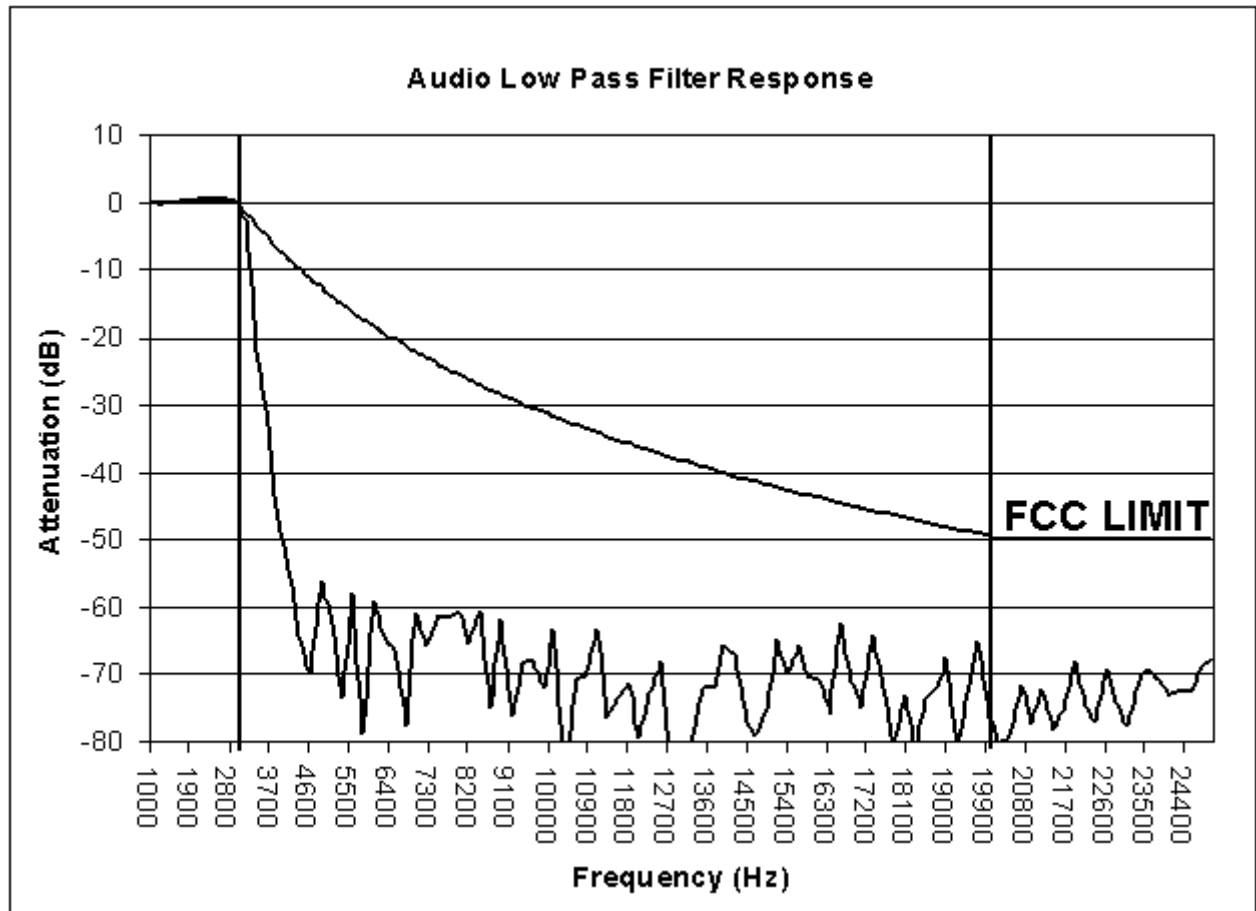
<u>MEASUREMENT</u>	<u>EXHIBIT</u>	<u>NUMBER OF PAGES</u>
I RF Power Output Data	6A	1
II Audio Response & Low Pass Filter Response	6B	1
	6C	1
III Modulation Limiting	6D	1
IV Occupied Bandwidth	6E	9
V Adjacent Channel Coupled Power Ratio	6F	3
VI Conducted Spurious Emissions	6G	8
VII Radiated Spurious Emissions	6H	8
VIII 1559-1610 Radiated Spurious	6I	3
IX Frequency Stability		
A. Temperature	6J-1	1
B. Supply Voltage	6J-2	1

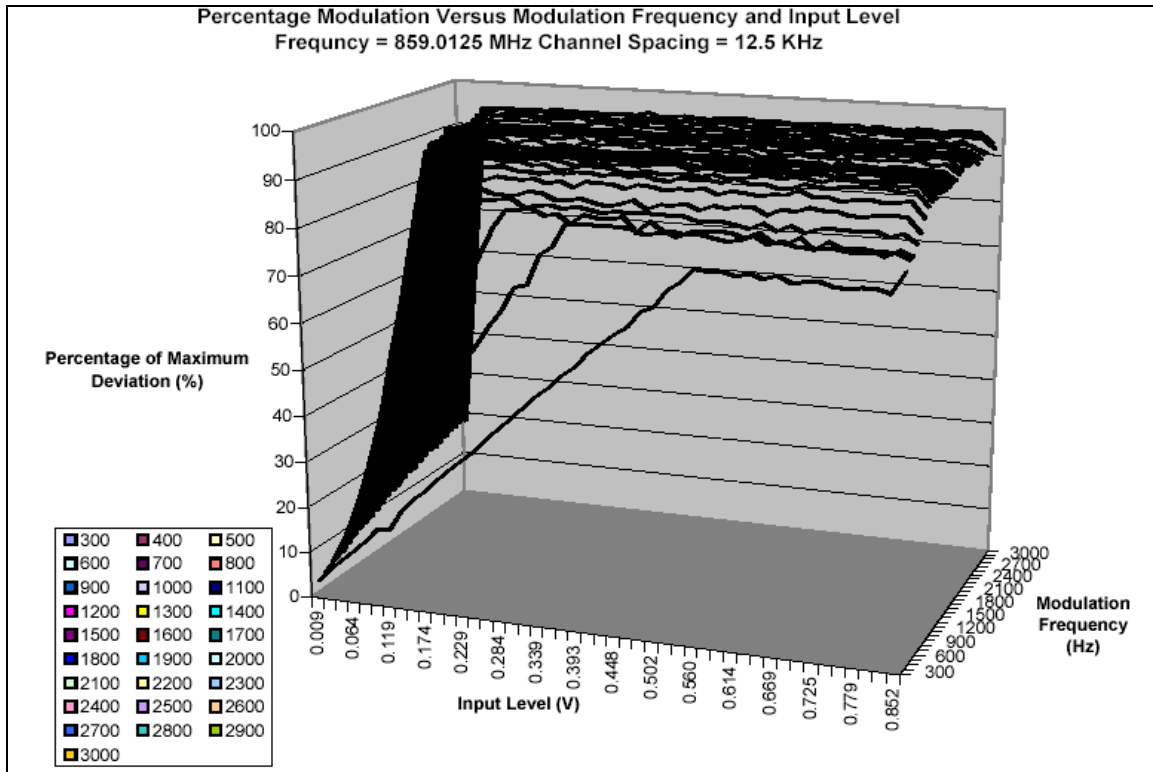
RF POWER OUTPUT DATA

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

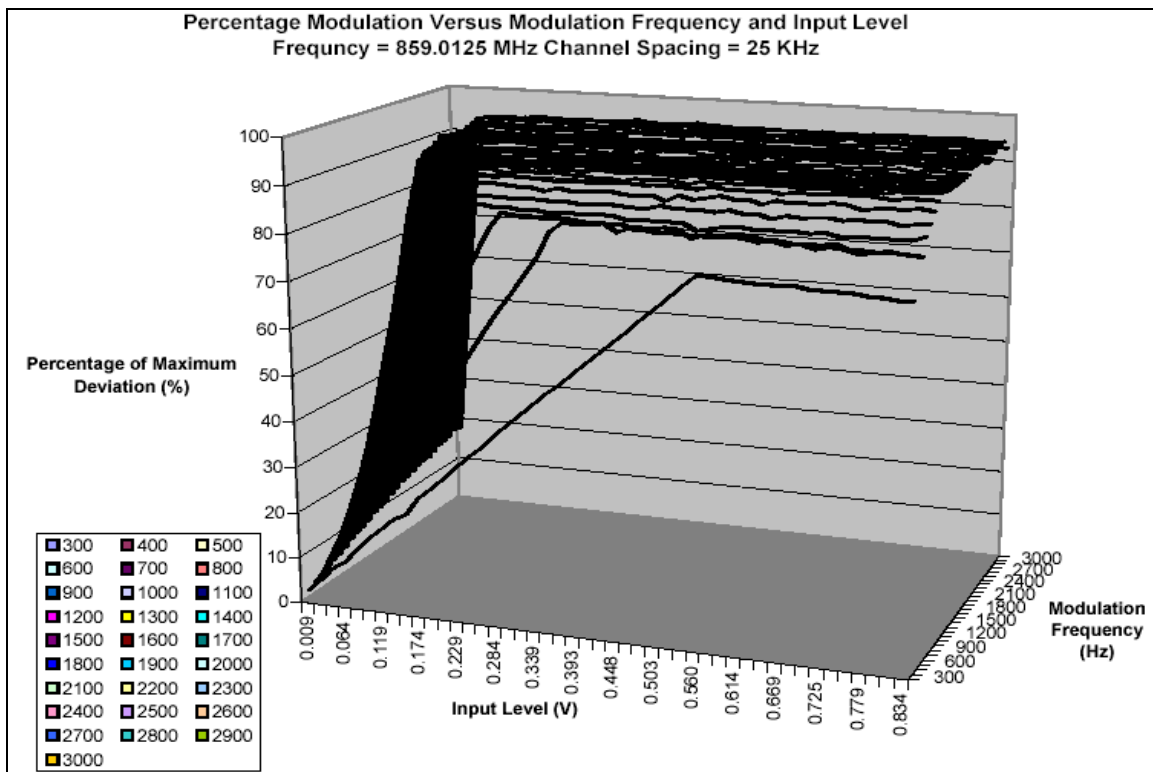
Frequency (MHz)	RF Output Power (W)	Nominal DC Voltage (Volts)	Nominal DC Current (Amps)
764.0125	2	13.6	2.64
764.0875	3.5	13.6	3.34
	18	13.6	6.44
	36	13.6	9.02
823.9875	3.5	13.6	2.78
	21	13.6	5.60
	42	13.6	8.7
868.9875	3.5	13.6	2.7
	21	13.6	5.35
	42	13.6	8.06







The Percentage of Max. Deviation on the "Z" axis is referenced to 5.0 KHz for 25 KHz bandwidth



The Percentage of Max. Deviation on the "Z" axis is referenced to 5.0 KHz for 25 KHz 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:

$$BW = 2 * (M + D) \quad \text{where: } BW = \text{Bandwidth}$$
$$M = \text{Maximum modulating frequency}$$
$$D = \text{Deviation}$$

Shown below are the calculations required for **FCC ID: AZ492FT5823**

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.

$$BW = 2(M+D) = 2*(3 \text{ kHz} + 5 \text{ kHz}) = 16 \text{ kHz} \implies 16K0$$

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.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz} \implies 11K0$$

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.

$$BW = 2(M+D) = 2*(6.0 \text{ kHz} + 4.0 \text{ kHz}) = 20 \text{ kHz} \implies 20K0$$

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.

<u>Information Bits</u>	<u>Symbol</u>	<u>C4FM Deviation</u>
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.

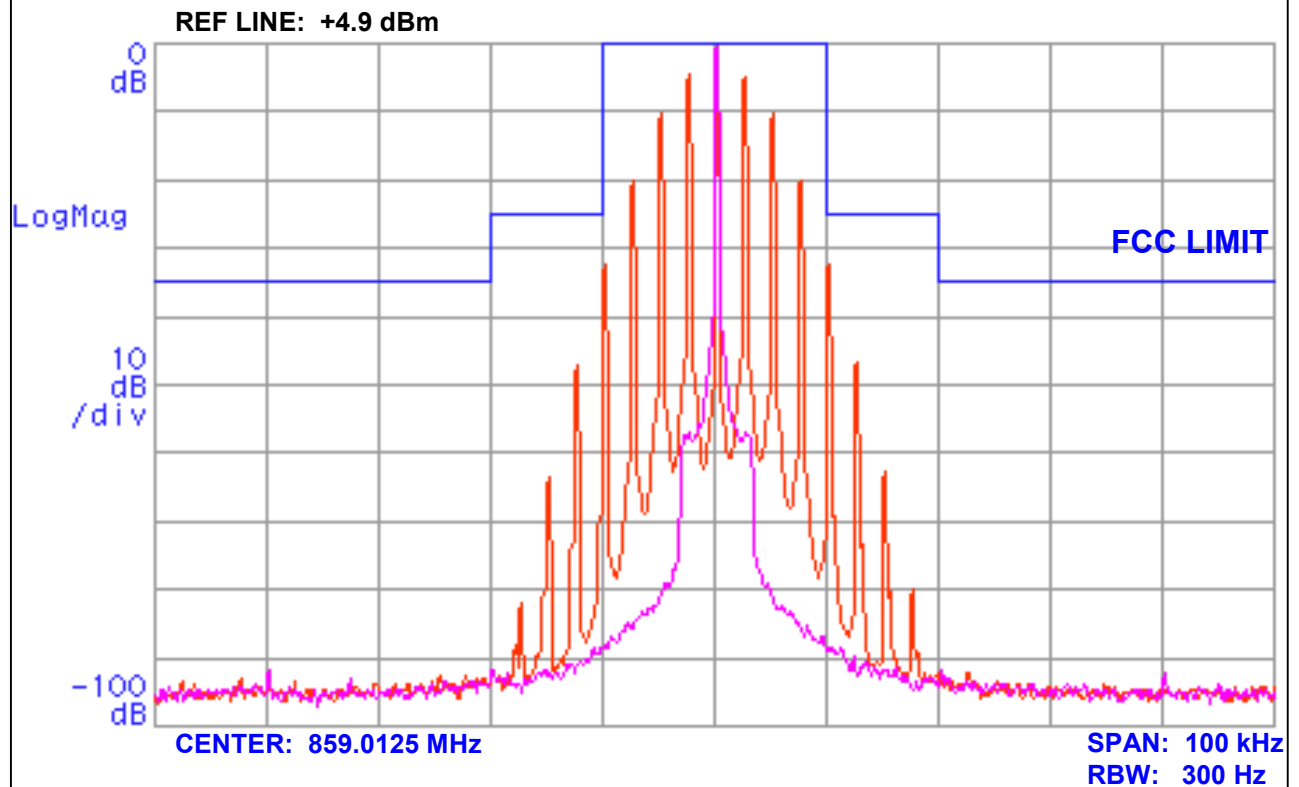
Note: The "F1D" and "F1E" signal parameters are described as follows: The modulation is 4-level FSK with +/-600 Hz and +/-1.8 kHz shifting (+/-600 Hz and +/-1.8 kHz are the 4 distinct levels of signals). The digital voice test pattern is created by a 2500 Hz sine wave modulated at a level that is 16 dB above that required to produce 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).

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 16K0F3E)

UNIT DESCRIPTION: FREQ = 859.0125 MHz

ANALOG VOICE

CHANNEL SPACING = 25.0 kHz

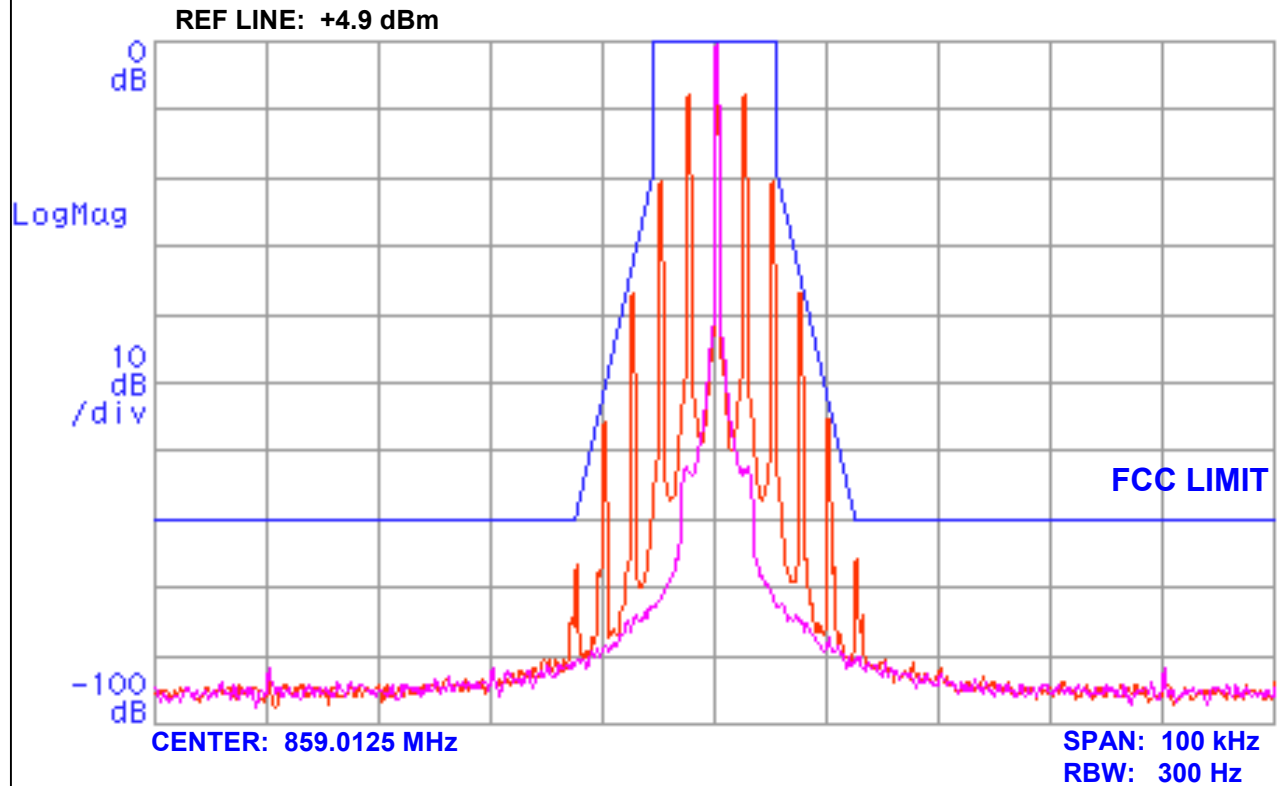


Mask B

EXHIBIT 6E-1

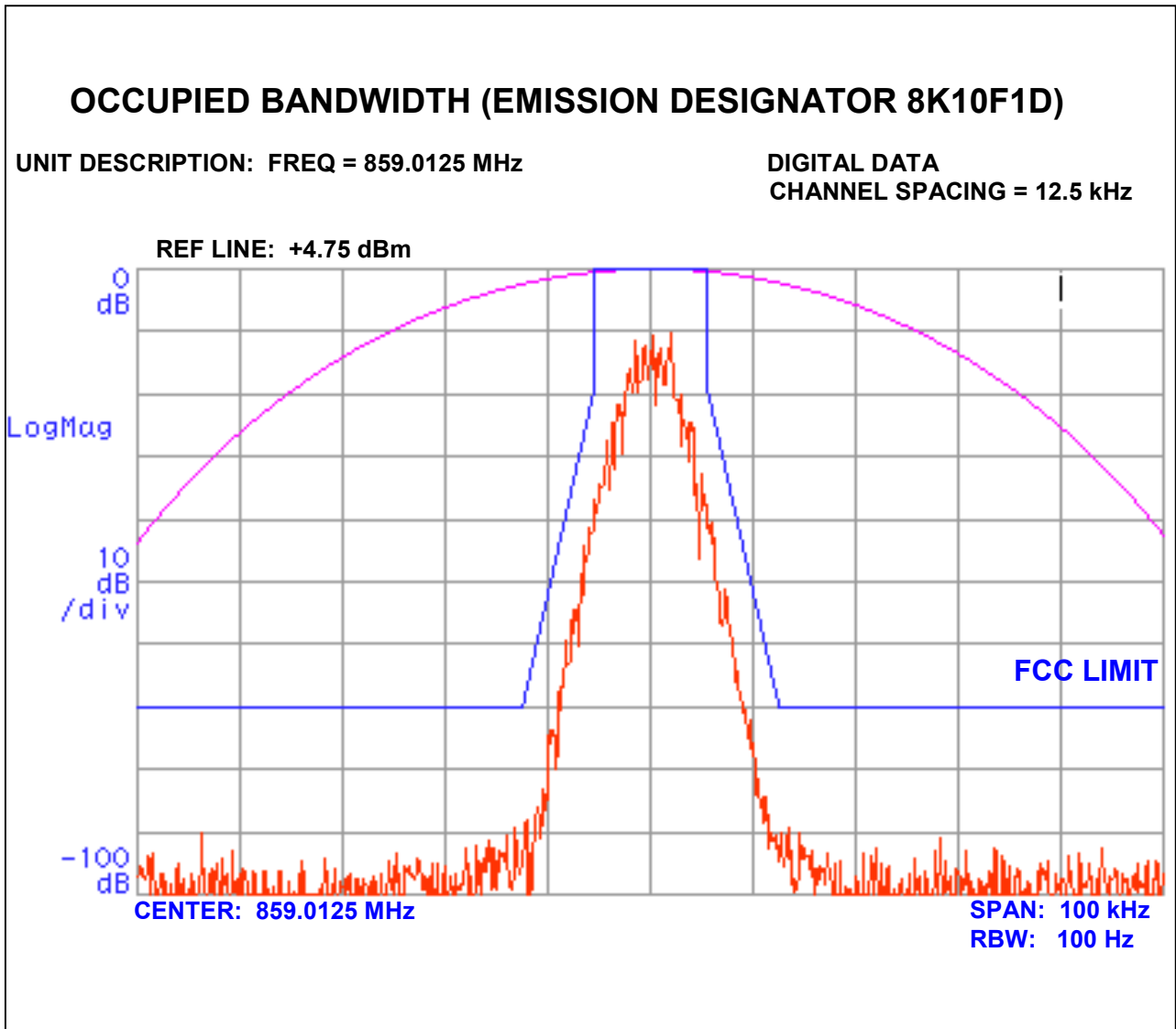
OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 11K0F3E)

UNIT DESCRIPTION: FREQ = 859.0125 MHz

ANALOG VOICE
CHANNEL SPACING = 12.5 kHz

Mask D

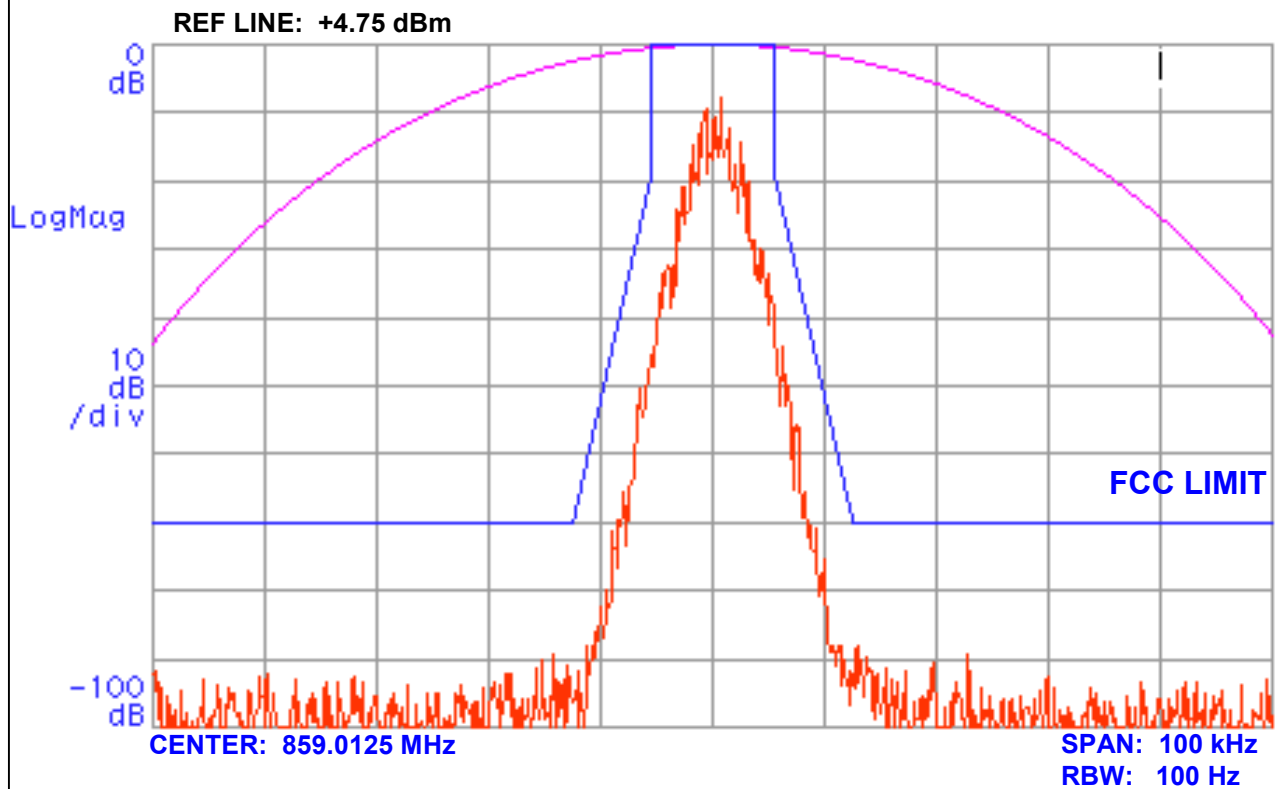
EXHIBIT 6E-2



Mask D

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 8K10F1E)

UNIT DESCRIPTION: FREQ = 859.0125 MHz

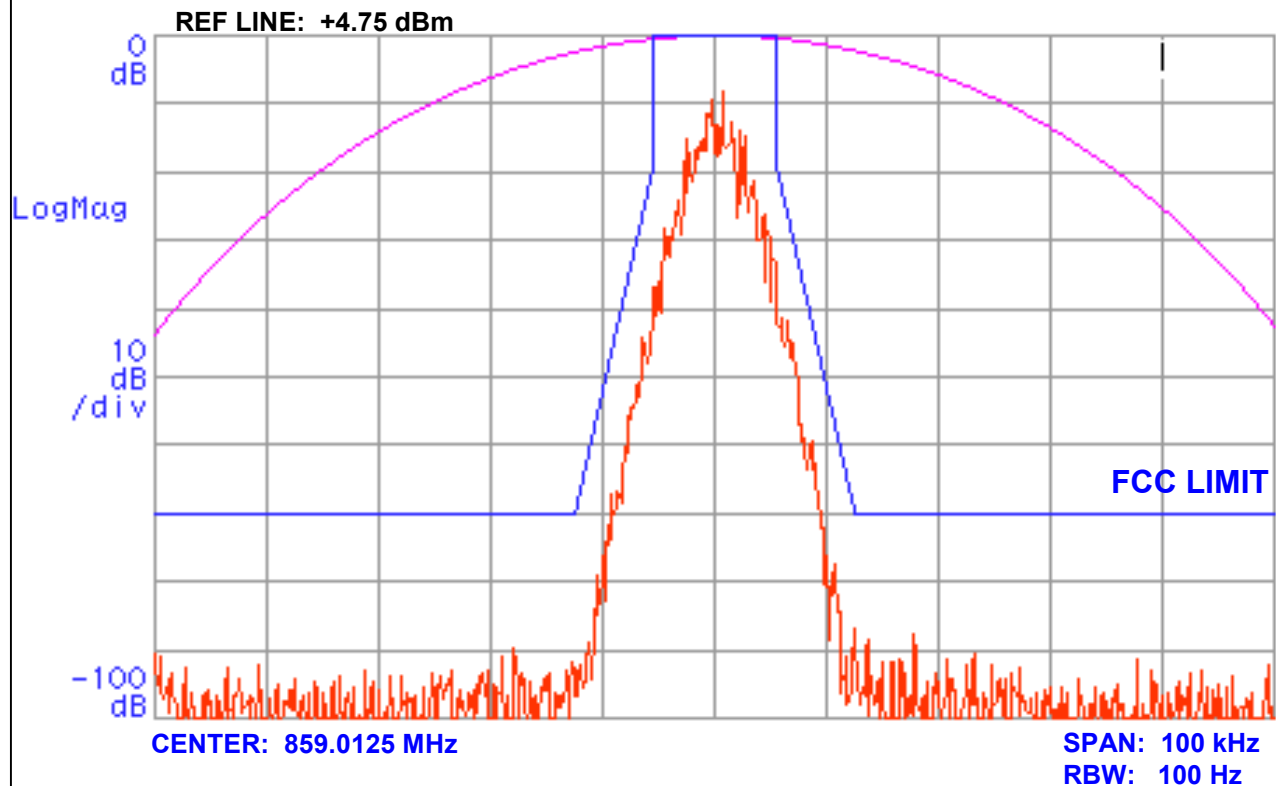
DIGITAL VOICE
CHANNEL SPACING = 12.5 kHz

Mask D

EXHIBIT 6E-4

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 8K10F1E)

UNIT DESCRIPTION: FREQ = 859.0125 MHz

DIGITAL VOICE ENCRYPTION
CHANNEL SPACING = 12.5 kHz

Mask D

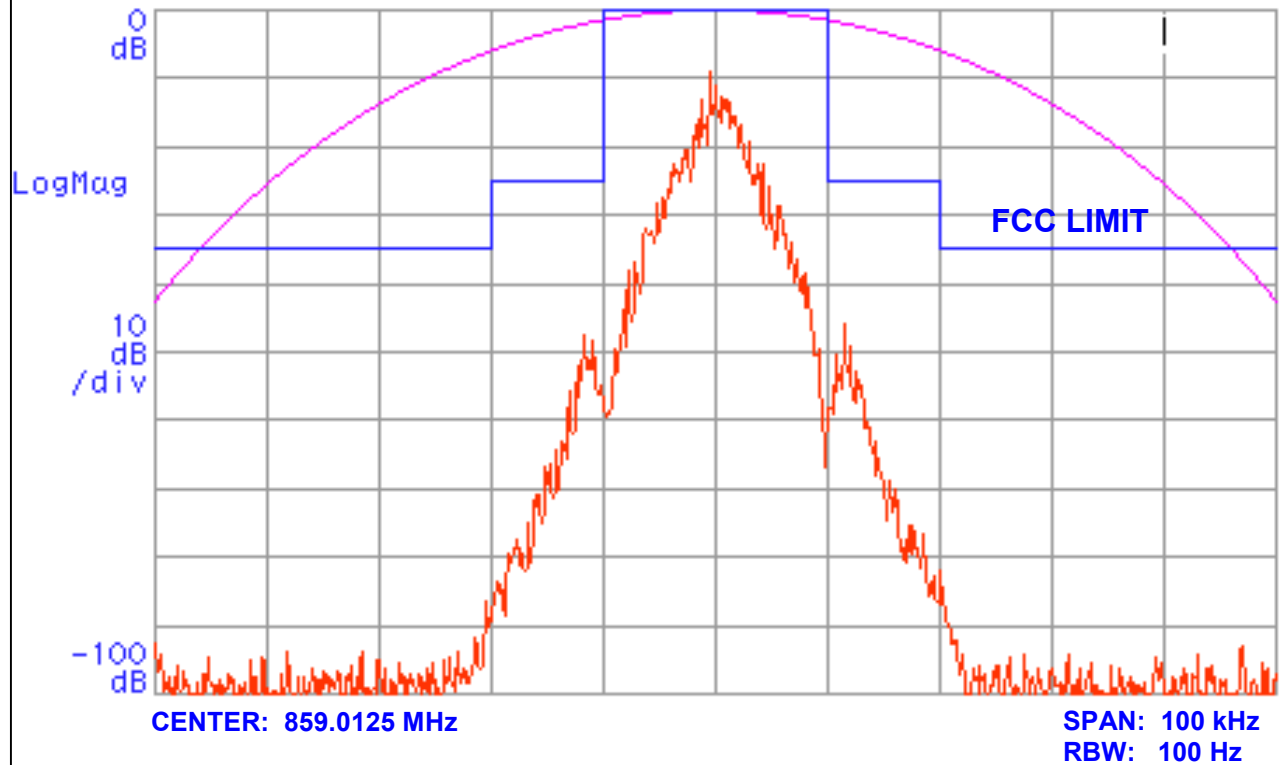
EXHIBIT 6E-5

OCCUPIED BANDWIDTH (EMISSION DESIGNATOR 20K0F1E)

UNIT DESCRIPTION: FREQ = 859.0125 MHz

DIGITAL VOICE ENCRYPTION
CHANNEL SPACING = 20.0 kHz

REF LINE: +5.00 dBm



Adjacent Channel Coupled Power Ratios

794.0875 MHz 25.0 kHz Channel Spacing				ANALOG		
Emission Designator 16K0F3E						
Ref Power Level (dBm) = 4.2						
Offset (kHz)	Measurement Bandwidth (kHz)	Resolution Bandwidth (Hz)		ACP (dBc)		
				Lower	Upper	Spec (dBc)
15.625	6.250	100		-78.1	-75.7	-60
21.875	6.250	100		-84.9	-84.9	-60
37.500	25.000	300		-81.2	-81.0	-65
62.500	25.000	300		-81.9	-81.0	-65
87.500	25.000	300		-81.0	-81.2	-65
150.000	100.000	1100		-76.1	-76.1	-65
250.000	100.000	1100		-77.2	-76.4	-65
350.000	100.000	1100		-77.4	-77.7	-65
>400kHz-12MHz	30 (swept)	30000		< -75		-75
12M-RX Band	30 (swept)	30000		< -75		-75
in RX Band	30 (swept)	30000		< -100		-100

794.0875 MHz 12.5 kHz Channel Spacing				ANALOG		
Emission Designator 11K0F3E						
Ref Power Level (dBm) = 4.2						
Offset (kHz)	Measurement Bandwidth (kHz)	Resolution Bandwidth (Hz)		ACP (dBc)		
				Lower	Upper	Spec (dBc)
9.375	6.250	100		-54.1	-50.2	-40
15.625	6.250	100		-82.5	-82.0	-60
21.875	6.250	100		-85.0	-84.7	-60
37.500	25.000	300		-81.6	-81.0	-65
62.500	25.000	300		-81.0	-81.4	-65
87.500	25.000	300		-81.0	-80.5	-65
150.000	100.000	1100		-76.0	-75.5	-65
250.000	100.000	1100		-76.6	-76.7	-65
350.000	100.000	1100		-77.3	-78.0	-65
>400kHz-12MHz	30 (swept)	30000		< -75		-75
12M-RX Band	30 (swept)	30000		< -75		-75
in RX Band	30 (swept)	30000		< -100		-100

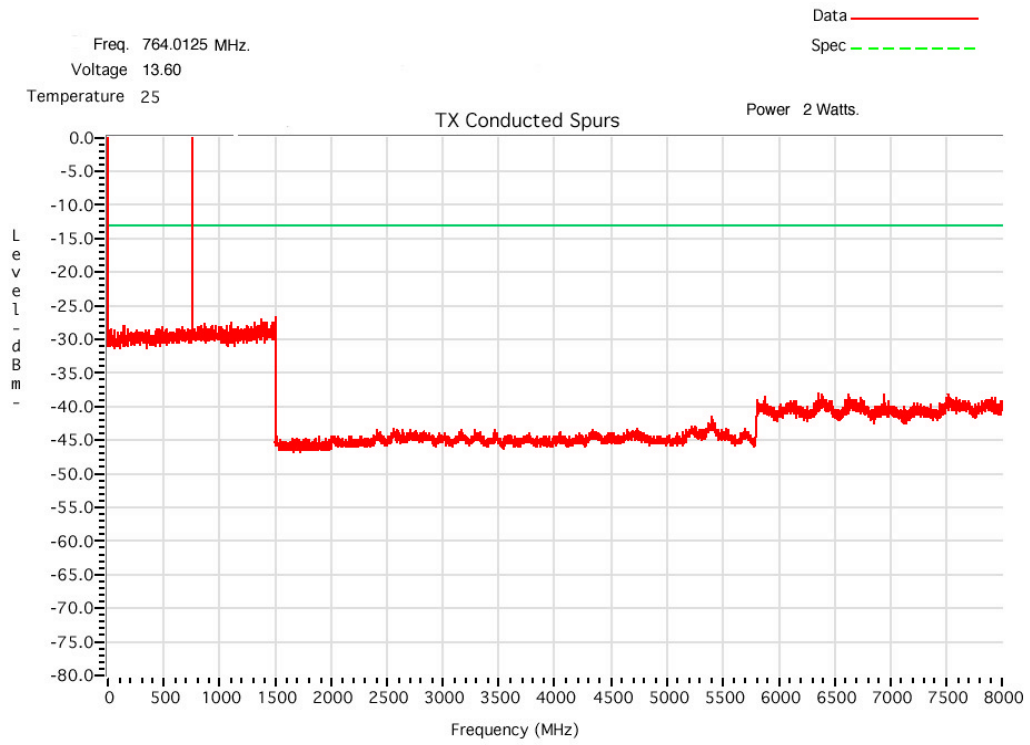
Adjacent Channel Coupled Power Ratios

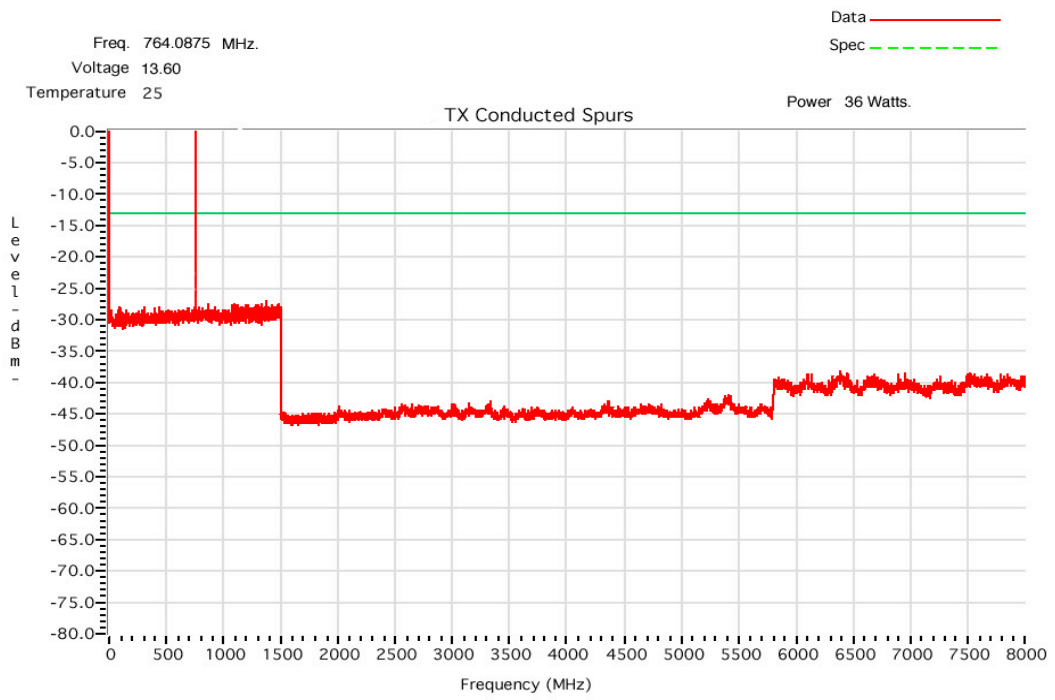
794.0875 MHz 12.5 kHz Channel Spacing			DIGITAL DATA			
Emission Designator 8K10F1D						
Ref Power Level (dBm) = 4.6						
Offset (kHz)	Measurement Bandwidth (kHz)	Resolution Bandwidth (Hz)		ACP (dBc)		
				Lower	Upper	Spec (dBc)
9.375	6.250	100		-43.1	-42.3	-40
15.625	6.250	100		-81.4	-81.2	-60
21.875	6.250	100		-84.4	-84.4	-60
37.500	25.000	300		-81.0	-81.4	-65
62.500	25.000	300		-81.9	-81.6	-65
87.500	25.000	300		-82.1	-81.4	-65
150.000	100.000	1100		-75.9	-76.0	-65
250.000	100.000	1100		-77.4	-76.8	-65
350.000	100.000	1100		-78.9	-77.5	-65
>400kHz-12MHz	30 (swept)	30000		< -75		-75
12M-RX Band	30 (swept)	30000		< -75		-75
in RX Band	30 (swept)	30000		< -100		-100

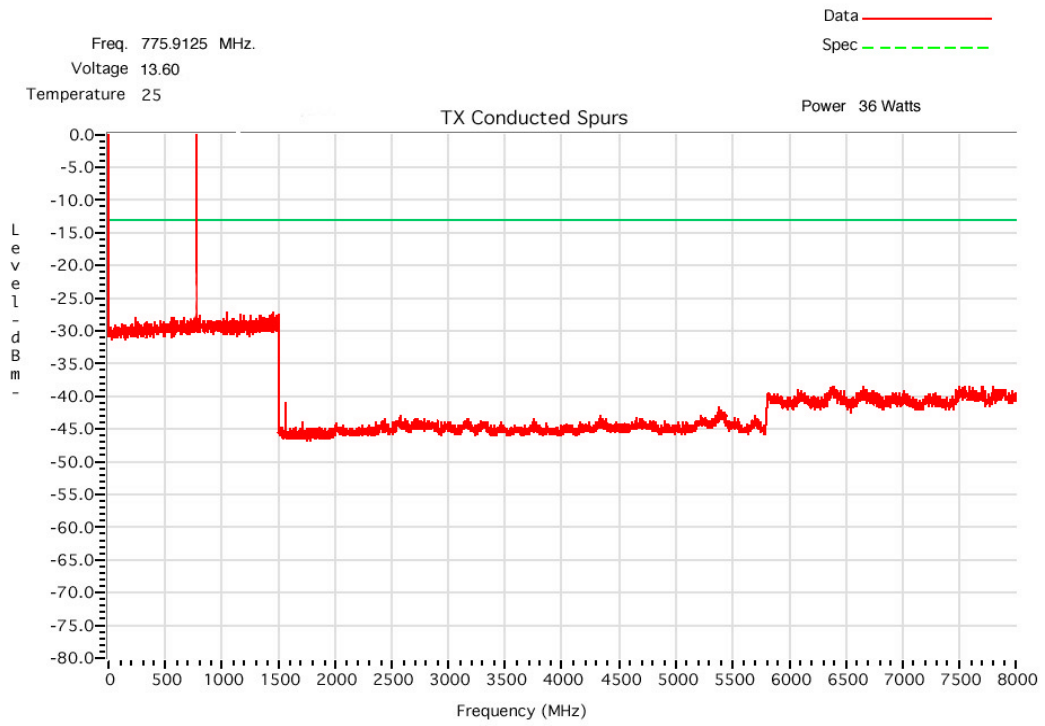
794.0875 MHz 12.5 kHz Channel Spacing			DIGITAL VOICE			
Emission Designator 8K10F1E						
Ref Power Level (dBm) = 4.6						
Offset (kHz)	Measurement Bandwidth (kHz)	Resolution Bandwidth (Hz)		ACP (dBc)		
				Lower	Upper	Spec (dBc)
9.375	6.250	100		-41.8	-41.7	-40
15.625	6.250	100		-81.4	-81.1	-60
21.875	6.250	100		-84.6	-84.3	-60
37.500	25.000	300		-80.7	-80.2	-65
62.500	25.000	300		-81.6	-81.1	-65
87.500	25.000	300		-81.7	-81.8	-65
150.000	100.000	1100		-76.3	-75.6	-65
250.000	100.000	1100		-76.9	-76.0	-65
350.000	100.000	1100		-77.3	-77.8	-65
>400kHz-12MHz	30 (swept)	30000		< -75		-75
12M-RX Band	30 (swept)	30000		< -75		-75
in RX Band	30 (swept)	30000		< -100		-100

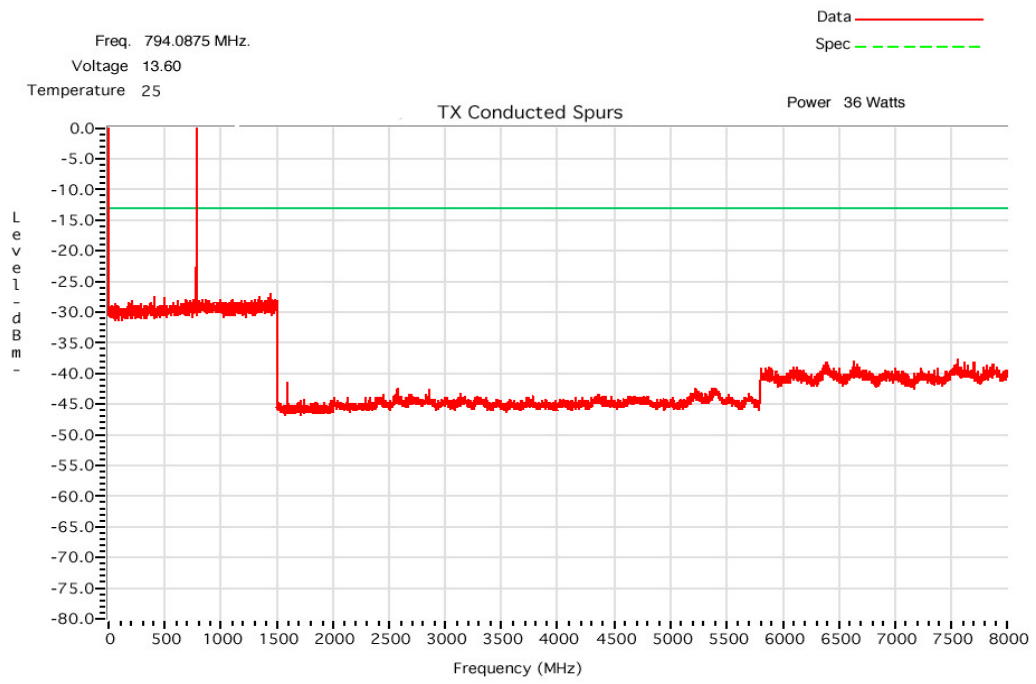
Adjacent Channel Coupled Power Ratios

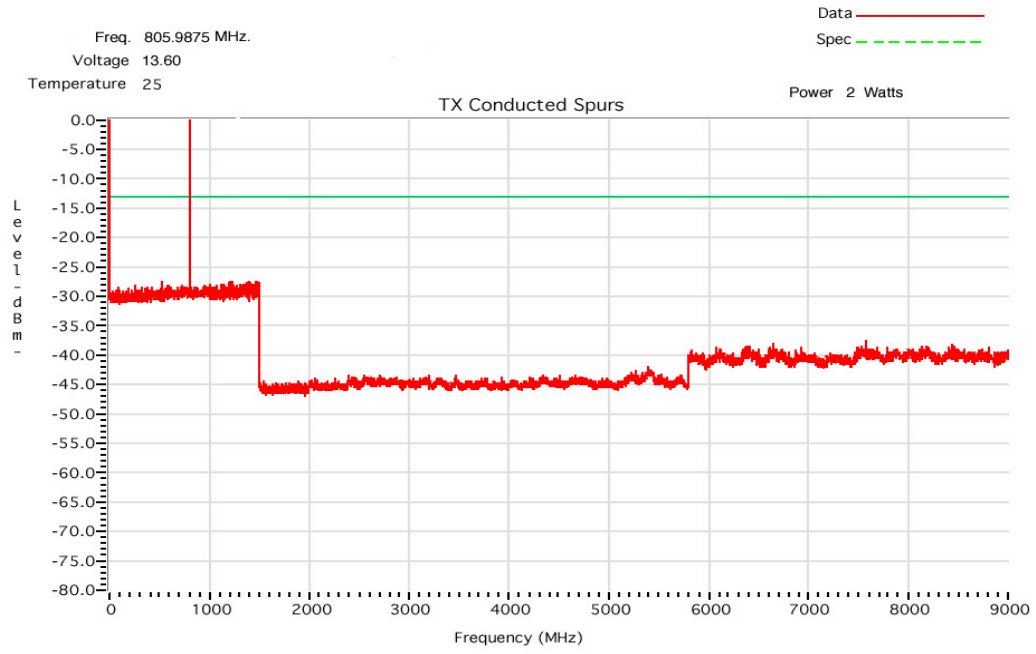
794.0875 MHz 12.5 kHz Channel Spacing				DIGITAL VOICE ENCRYPTION		
Emission Designator 8K10F1E						
Ref Power Level (dBm) = 4.6						
Offset (kHz)	Measurement Bandwidth (kHz)	Resolution Bandwidth (Hz)		ACP (dBc)		
				Lower	Upper	Spec (dBc)
9.375	6.250	100		-42.0	-42.1	-40
15.625	6.250	100		-82.0	-81.8	-60
21.875	6.250	100		-84.9	-84.9	-60
37.500	25.000	300		-80.4	-80.7	-65
62.500	25.000	300		-81.2	-81.4	-65
87.500	25.000	300		-80.8	-79.9	-65
150.000	100.000	1100		-75.8	-75.4	-65
250.000	100.000	1100		-77.0	-76.8	-65
350.000	100.000	1100		-77.4	-77.5	-65
>400kHz-12MHz	30 (swept)	30000		< -75		-75
12M-RX Band	30 (swept)	30000		< -75		-75
in RX Band	30 (swept)	30000		< -100		-100

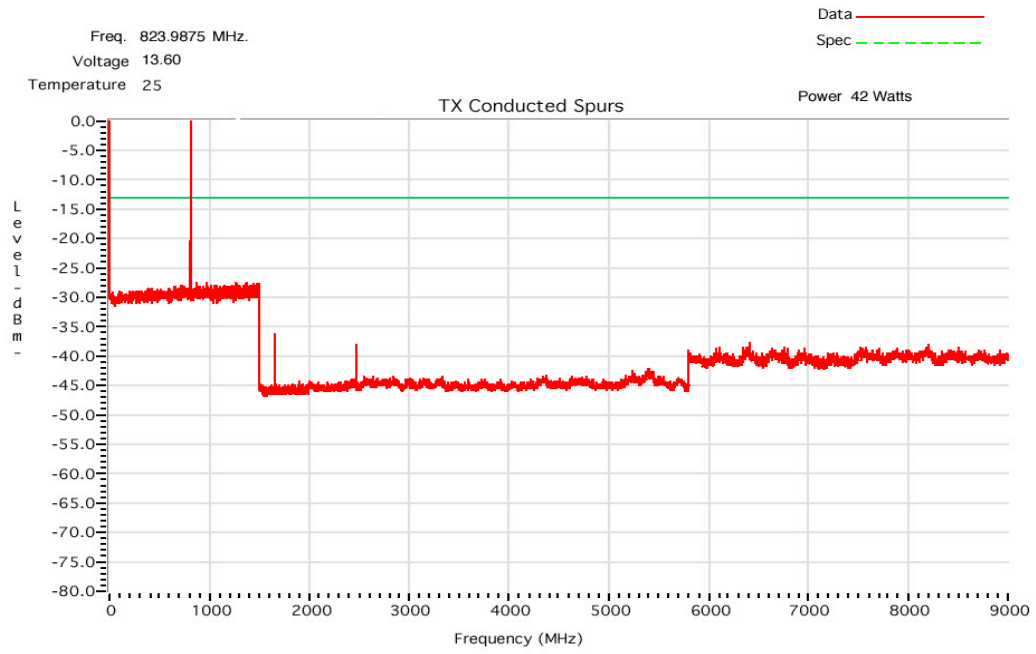


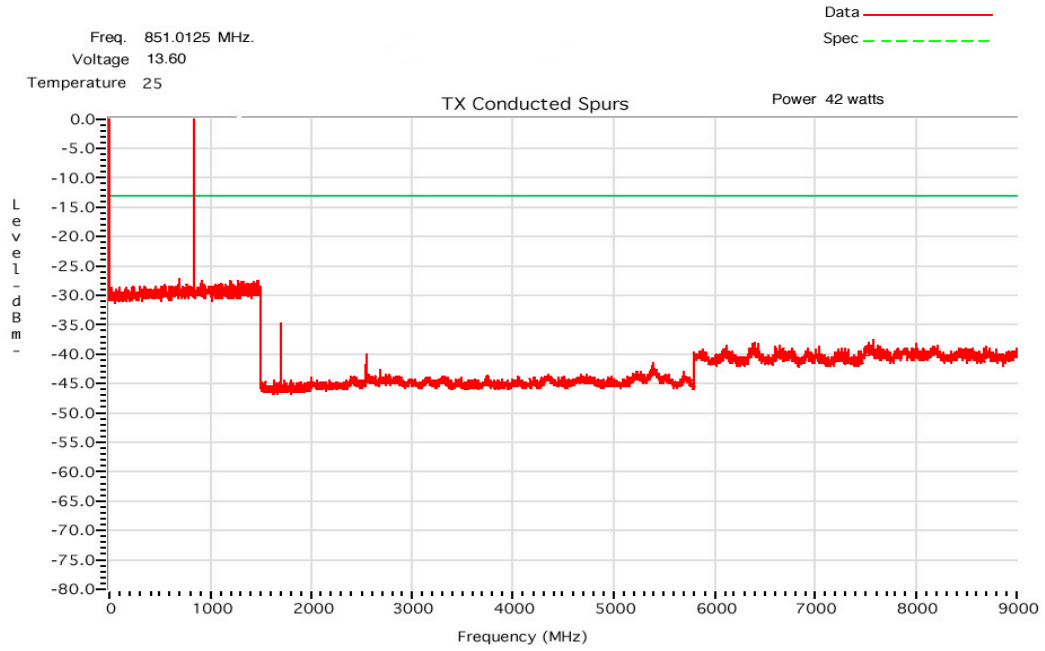


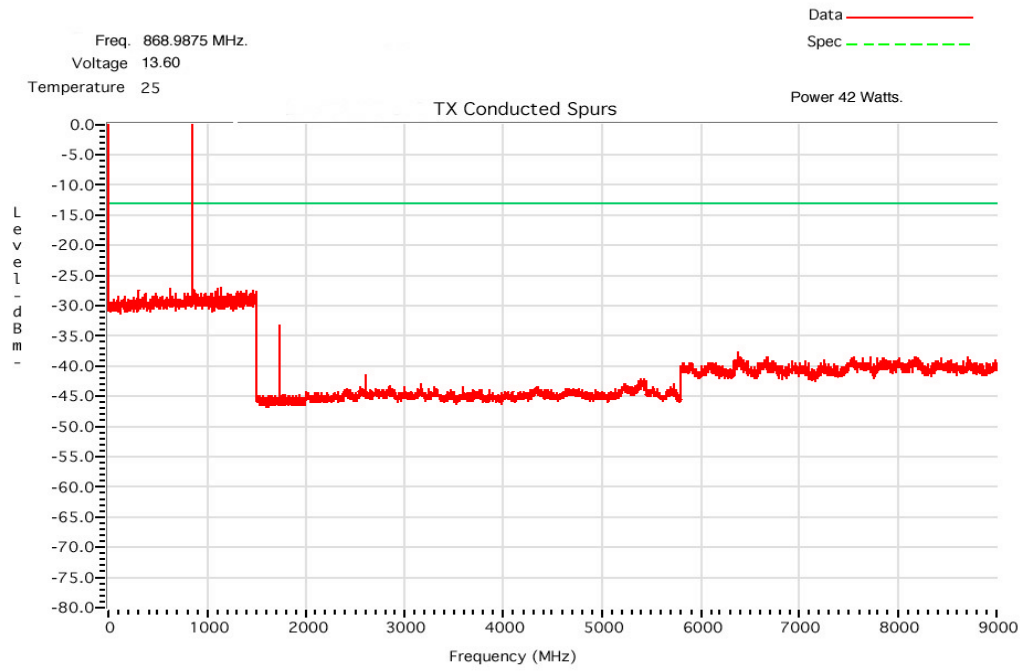






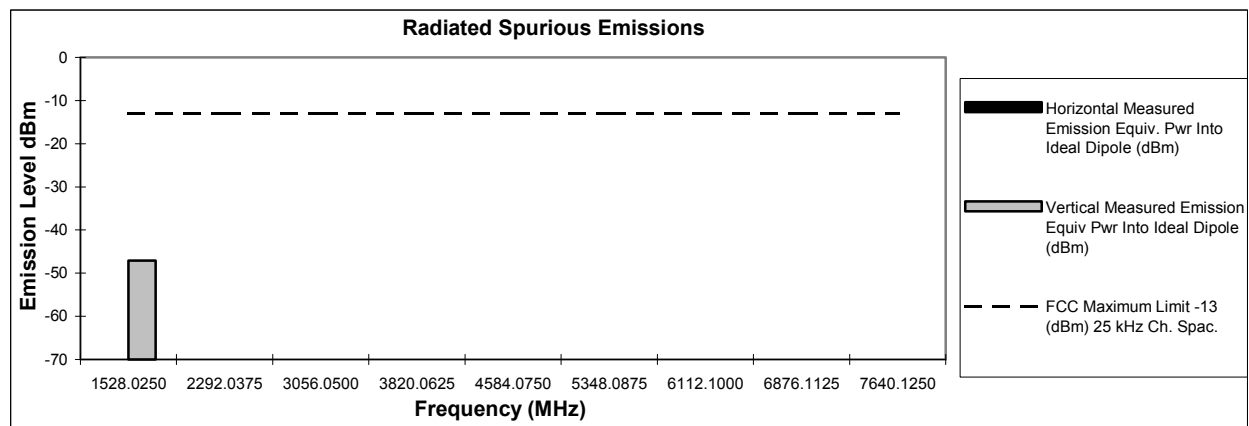






Transmit Radiated Spurious Emissions: XTL5000**764.0125 MHz****2 Watts**

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.0250	-13	*	-47.07
2292.0375	-13	*	*
3056.0500	-13	*	*
3820.0625	-13	*	*
4584.0750	-13	*	*
5348.0875	-13	*	*
6112.1000	-13	*	*
6876.1125	-13	*	*
7640.1250	-13	*	*

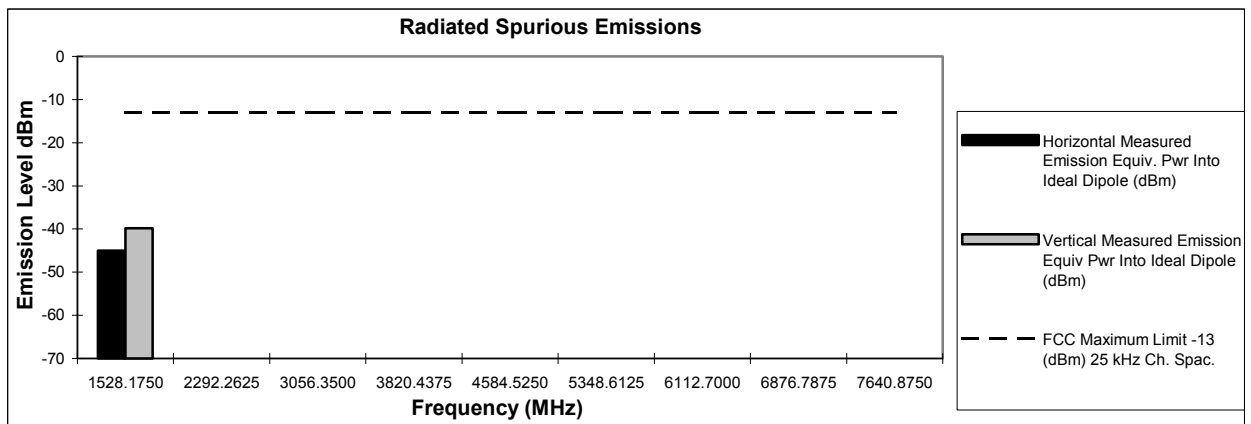


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmit Radiated Spurious Emissions: XTL5000**764.0875 MHz****36 Watts**

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.1750	-13	-44.98	-39.83
2292.2625	-13	*	*
3056.3500	-13	*	*
3820.4375	-13	*	*
4584.5250	-13	*	*
5348.6125	-13	*	*
6112.7000	-13	*	*
6876.7875	-13	*	*
7640.8750	-13	*	*

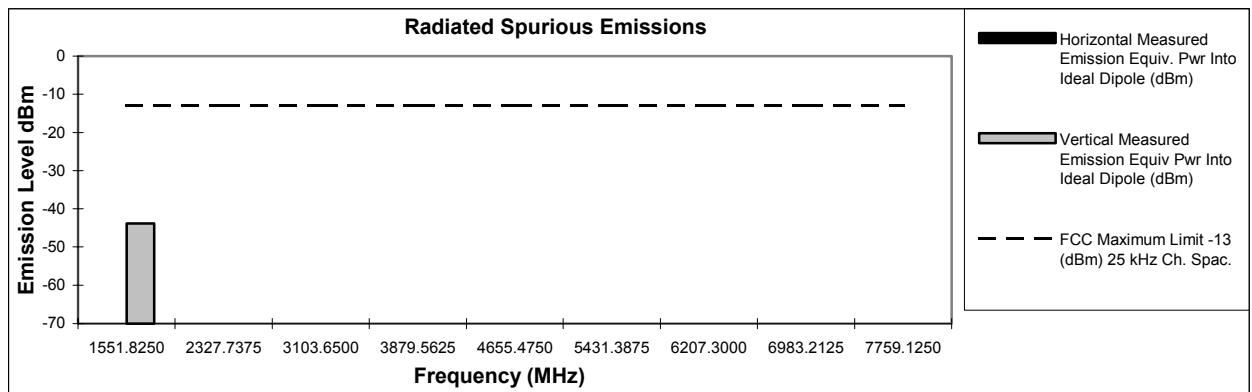


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmit Radiated Spurious Emissions: XTL5000**775.9125 MHz****36 Watts**

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1551.8250	-13	*	-43.88
2327.7375	-13	*	*
3103.6500	-13	*	*
3879.5625	-13	*	*
4655.4750	-13	*	*
5431.3875	-13	*	*
6207.3000	-13	*	*
6983.2125	-13	*	*
7759.1250	-13	*	*

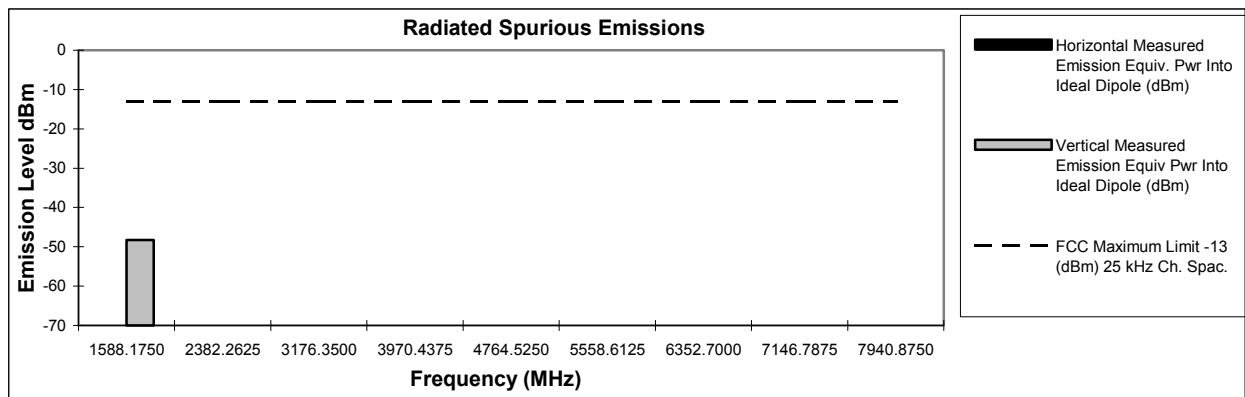


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmit Radiated Spurious Emissions: XTL5000**794.0875 MHz****36 Watts**

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1588.1750	-13	*	-48.23
2382.2625	-13	*	*
3176.3500	-13	*	*
3970.4375	-13	*	*
4764.5250	-13	*	*
5558.6125	-13	*	*
6352.7000	-13	*	*
7146.7875	-13	*	*
7940.8750	-13	*	*

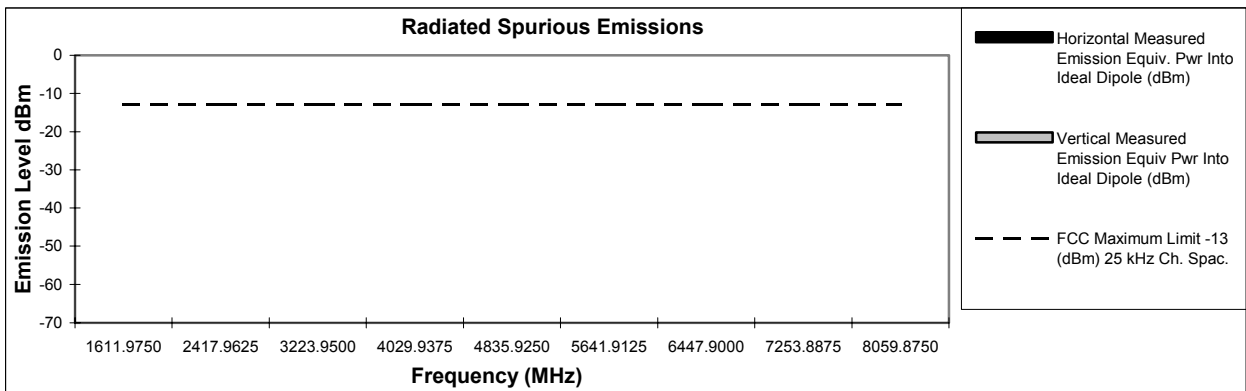


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmit Radiated Spurious Emissions: XTL5000**805.9875 MHz****2 Watts**

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1611.9750	-13	*	*
2417.9625	-13	*	*
3223.9500	-13	*	*
4029.9375	-13	*	*
4835.9250	-13	*	*
5641.9125	-13	*	*
6447.9000	-13	*	*
7253.8875	-13	*	*
8059.8750	-13	*	*

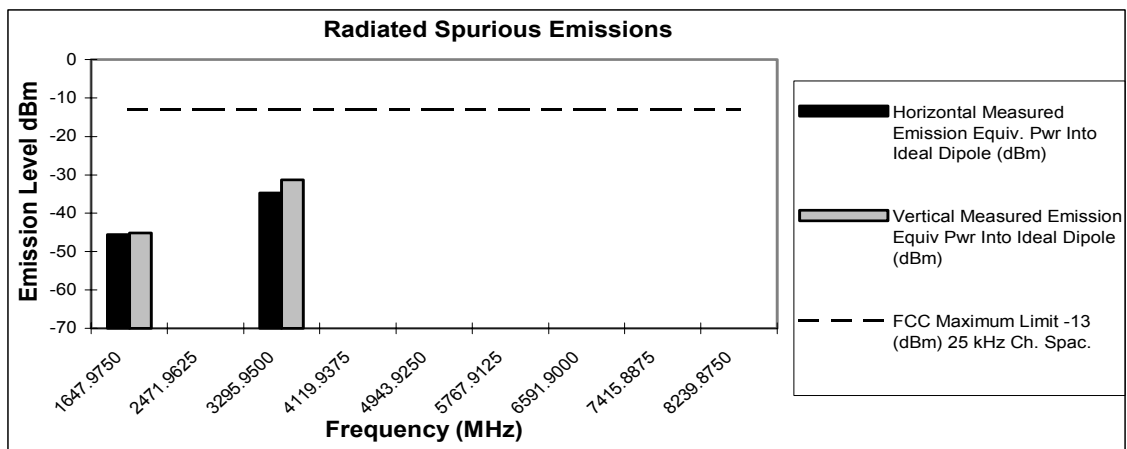


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmit Radiated Spurious Emissions: XTL5000**823.9875 MHz****42 Watts**

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1647.9750	-13	-45.58	-45.16
2471.9625	-13	*	*
3295.9500	-13	-34.72	-31.34
4119.9375	-13	*	*
4943.9250	-13	*	*
5767.9125	-13	*	*
6591.9000	-13	*	*
7415.8875	-13	*	*
8239.8750	-13	*	*

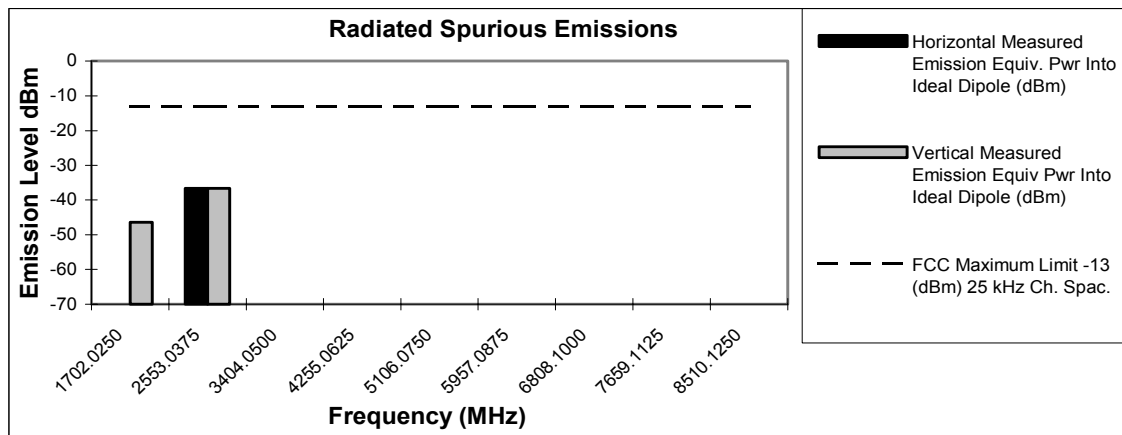


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmit Radiated Spurious Emissions: XTL5000**851.0125 MHz****42 Watts**

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1702.0250	-13	*	-46.38
2553.0375	-13	-36.68	-36.65
3404.0500	-13	*	*
4255.0625	-13	*	*
5106.0750	-13	*	*
5957.0875	-13	*	*
6808.1000	-13	*	*
7659.1125	-13	*	*
8510.1250	-13	*	*

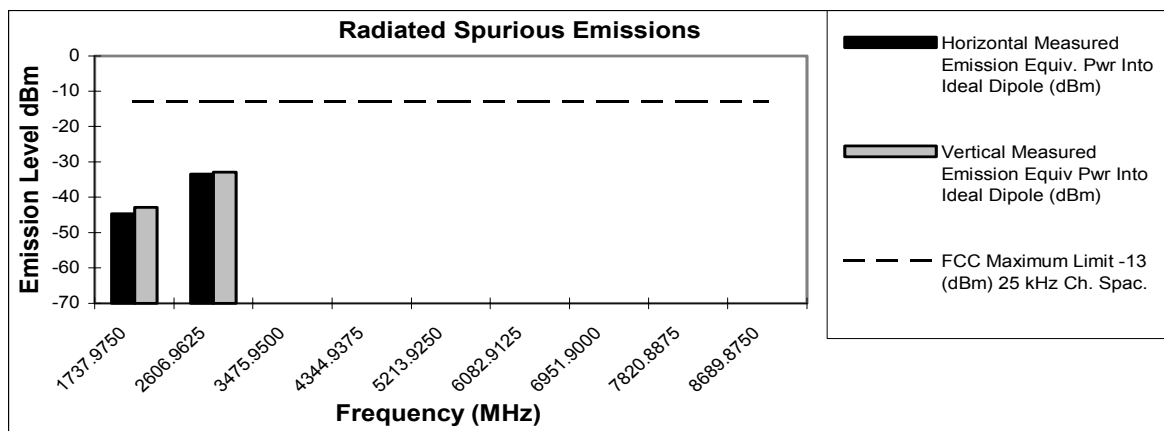


* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmit Radiated Spurious Emissions: XTL5000**868.9875 MHz****42 Watts**

Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1737.9750	-13	-44.72	-42.85
2606.9625	-13	-33.51	-32.85
3475.9500	-13	*	*
4344.9375	-13	*	*
5213.9250	-13	*	*
6082.9125	-13	*	*
6951.9000	-13	*	*
7820.8875	-13	*	*
8689.8750	-13	*	*



* Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

GNSS Testing				
At 3 Meters ERP, ADD +2.15 dB for EIRP				
Date:	4/28/2003	EMC#:	EMC04242003-189	
Product:	Quest Millenium	S/N	CAM0305RXG	
		Temp:	88F 62%	
		Channel Spacing:	12.5kHz	
		Notes:	GNSS ANT-Quarter Wave	
Tx Freq.	794.0875			
		Horizontal Radiated	Vertical Radiated	
Spur	Frequency	Spur. Emiss.	Spur. Emiss.	
2XFund	MHz	(dBm)	(dBm)	
	1588.1750	*	-75.29	
		Notes:	GNSS ANT-Quarter Wave	
Tx Freq.	805.9125			
		Horizontal Radiated	Vertical Radiated	
Spur	Frequency	Spur. Emiss.	Spur. Emiss.	
2XFund	MHz	(dBm)	(dBm)	
	1611.8250		-88.57 -77.94	

GNSS Testing				
At 3 Meters ERP, ADD +2.15 dB for EIRP				
Date:	4/28/2003	EMC#:	EMC04242003-189	
Product:	Quest Millenium	S/N	CAM0305RXG	
		Temp:	88F 62%	
		Channel Spacing:	12.5kHz	
		Notes:	GNSS ANT- 3dB Low Profile	
Tx Freq.	794.0875			
		Horizontal Radiated	Vertical Radiated	
Spur	Frequency	Spur. Emiss.	Spur. Emiss.	
2XFund	MHz	(dBm)	(dBm)	
	1588.1750		-83.51 -74.66	
		Notes:	GNSS ANT- 3dB Low Profile	
Tx Freq.	805.9125			
		Horizontal Radiated	Vertical Radiated	
Spur	Frequency	Spur. Emiss.	Spur. Emiss.	
2XFund	MHz	(dBm)	(dBm)	
	1611.8250		-83.37 -73.10	

Note 1: The reported emissions are wideband (>700Hz) spurs.

GNSS Testing				
At 3 Meters ERP, ADD +2.15 dB for EIRP				
Date:	4/28/2003	EMC#:	EMC04242003-189	
Product:	Quest Millenium	S/N	CAM0305RXG	
		Notes:	GNSS 3 dB Collinear	
Tx Freq.	794.0875			
		Horizontal Radiated	Vertical Radiated	
Spur	Frequency	Spur. Emiss.	Spur. Emiss.	
2XFund	MHz	(dBm)	(dBm)	
	1588.1750	-80.89	-74.11	
		Notes:	GNSS 3 dB Collinear	
Tx Freq.	805.9125			
		Horizontal Radiated	Vertical Radiated	
Spur	Frequency	Spur. Emiss.	Spur. Emiss.	
2XFund	MHz	(dBm)	(dBm)	
	1611.8250	-83.35	-72.44	

GNSS Testing				
At 3 Meters ERP, ADD +2.15 dB for EIRP				
Date:	4/28/2003	EMC#:	EMC04242003-189	
Product:	Quest Millenium	S/N	CAM0305RXG	
		Notes:	GNSS ANT- 3dB Elevated Feed	
Tx Freq.	794.0875			
		Horizontal Radiated	Vertical Radiated	
Spur	Frequency	Spur. Emiss.	Spur. Emiss.	
2XFund	MHz	(dBm)	(dBm)	
	1588.1750	-83.06	-70.93	
		Notes:	GNSS ANT- 3dB Elevated Feed	
Tx Freq.	805.9125			
		Horizontal Radiated	Vertical Radiated	
Spur	Frequency	Spur. Emiss.	Spur. Emiss.	
2XFund	MHz	(dBm)	(dBm)	
	1611.8250	-82.01	-73.02	

Note 1: The reported emissions are wideband (>700Hz) spurs.

GNSS Testing**At 3 Meters ERP, ADD +2.15 dB for EIRP**

Date:	5/5/2003	EMC#:	EMC05052003-204	Temp:	88F 62%
Product:	Quest Millenium	S/N	CAM0305RXG	Channel Spacing: 12.5kHz	
		Notes:	GNSS	3dB Low Profile	
Tx Freq.	794.0875				
		Horizontal Radiated	Vertical Radiated		
Spur	Frequency	Spur. Emiss.	Spur. Emiss.		
2XFund	MHz	(dBm)	(dBm)		
	1588.1750	-50.51	-44.79		
		Notes:	GNSS	3 dB Low Profile	
Tx Freq.	805.9125				
		Horizontal Radiated	Vertical Radiated		
Spur	Frequency	Spur. Emiss.	Spur. Emiss.		
2XFund	MHz	(dBm)	(dBm)		
	1611.8250	-51.99	-43.40		

GNSS Testing**At 3 Meters ERP, ADD +2.15 dB for EIRP**

Date:	5/5/2003	EMC#:	EMC05052003-204	Temp:	88F 62%
Product:	Quest Millenium	S/N	CAM0305RXG	Channel Spacing: 12.5kHz	
		Notes:	GNSS	3dB base loaded collinear	
Tx Freq.	794.0875				
		Horizontal Radiated	Vertical Radiated		
Spur	Frequency	Spur. Emiss.	Spur. Emiss.		
2XFund	MHz	(dBm)	(dBm)		
	1588.1750	-62.58	-54.24		
		Notes:	GNSS	3dB base loaded collinear	
Tx Freq.	805.9125				
		Horizontal Radiated	Vertical Radiated		
Spur	Frequency	Spur. Emiss.	Spur. Emiss.		
2XFund	MHz	(dBm)	(dBm)		
	1611.8250	-63.31	-54.38		

Note 1: The reported emissions are wideband (>700Hz) spurs.

