

SUBMITTED MEASURED DATA

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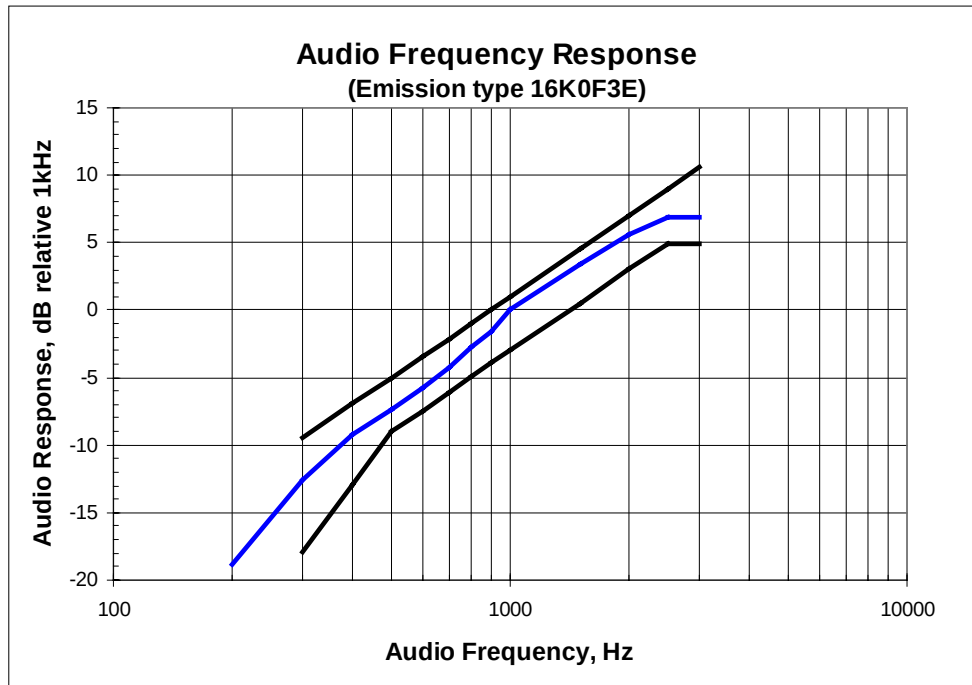
RF POWER OUTPUT DATA

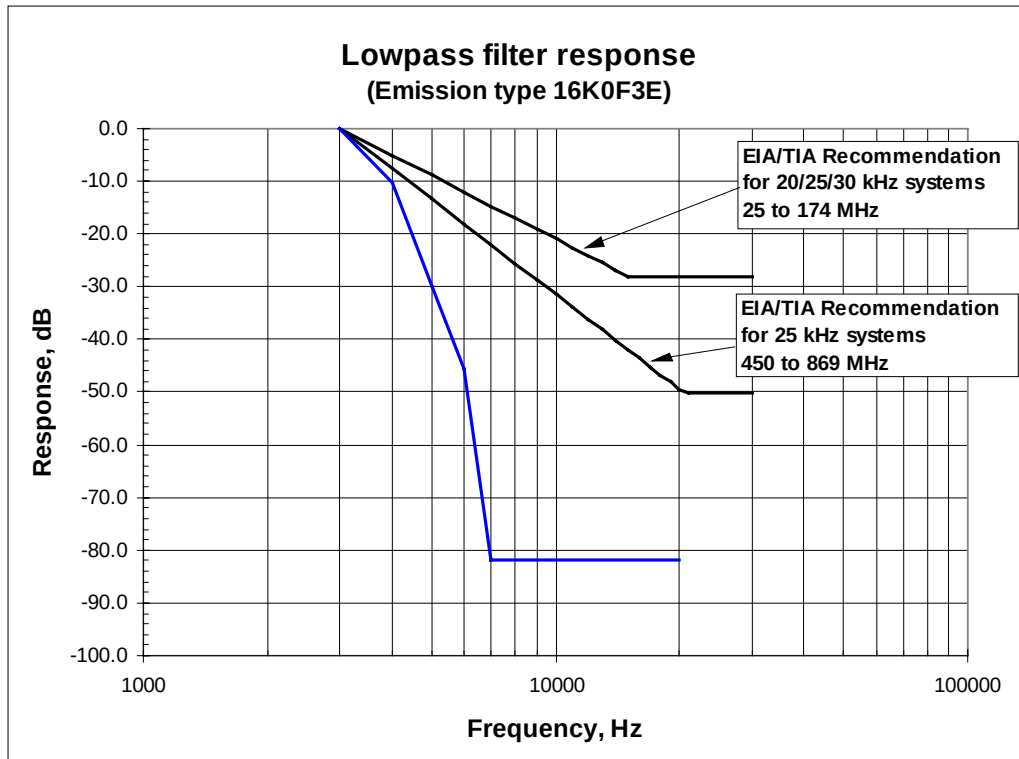
The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device.

Measured RF output	7.26	Watts
Normal DC Voltage	7.32	Volts
Normal DC Current	1.82	Amps
Primary Supply Voltage	7.50	Volts

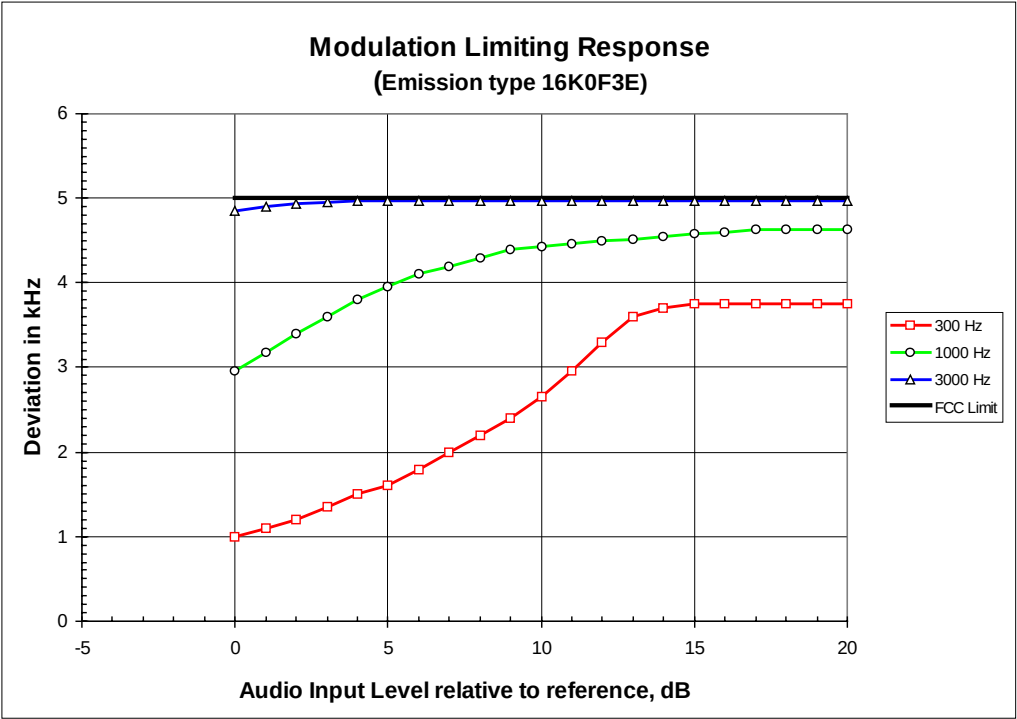
Measured RF output	3.03	Watts
Normal DC Voltage	7.37	Volts
Normal DC Current	1.28	Amps
Primary Supply Voltage	7.50	Volts

Measured RF output	0.84	Watts
Normal DC Voltage	7.43	Volts
Normal DC Current	0.75	Amps
Primary Supply Voltage	7.50	Volts

AUDIO RESPONSE

LOWPASS FILTER RESPONSE

MODULATION LIMITING



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: AZ492FT5785.

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EXHIBIT 9E

Standard Audio Modulation (25 kHz channelization, Analog Voice):

Emission Designator 16K0F3E

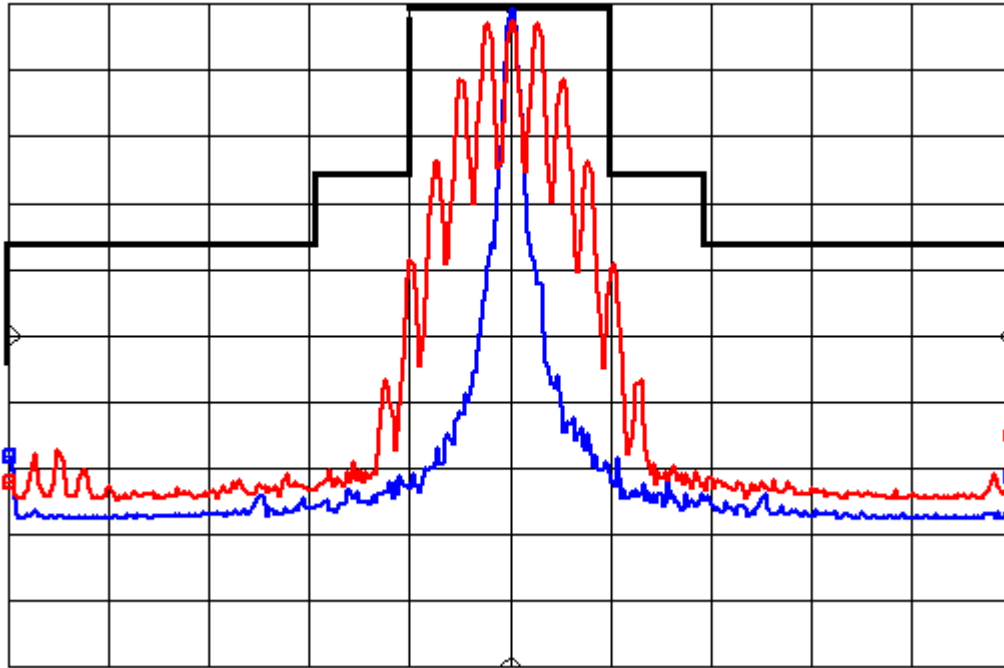
In this case, the maximum modulating frequency is 3 kHz with a 5 kHz deviation.

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

F3E portion of the designator indicates voice.

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

OCCUPIED BANDWIDTH DATA
20 kHz channel spacing with Emission 16K0F3E - Emission Mask B



Modulation: 2500 Hz at audio level 16 dB above 50% deviation

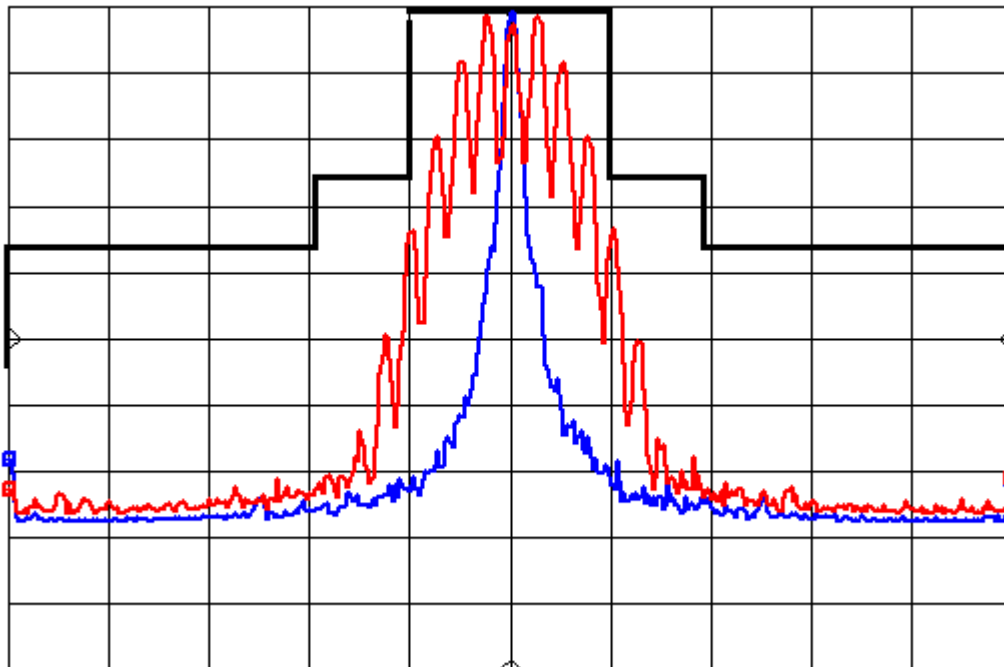
Center Frequency 29.7 MHz

Horizontal: 10 kHz/div

Vertical :

10 dB/div

Resolution Bandwidth 300 Hz



Modulation: 2500 Hz at audio level 16 dB above 50% deviation + PL signaling

Center Frequency 29.7 MHz

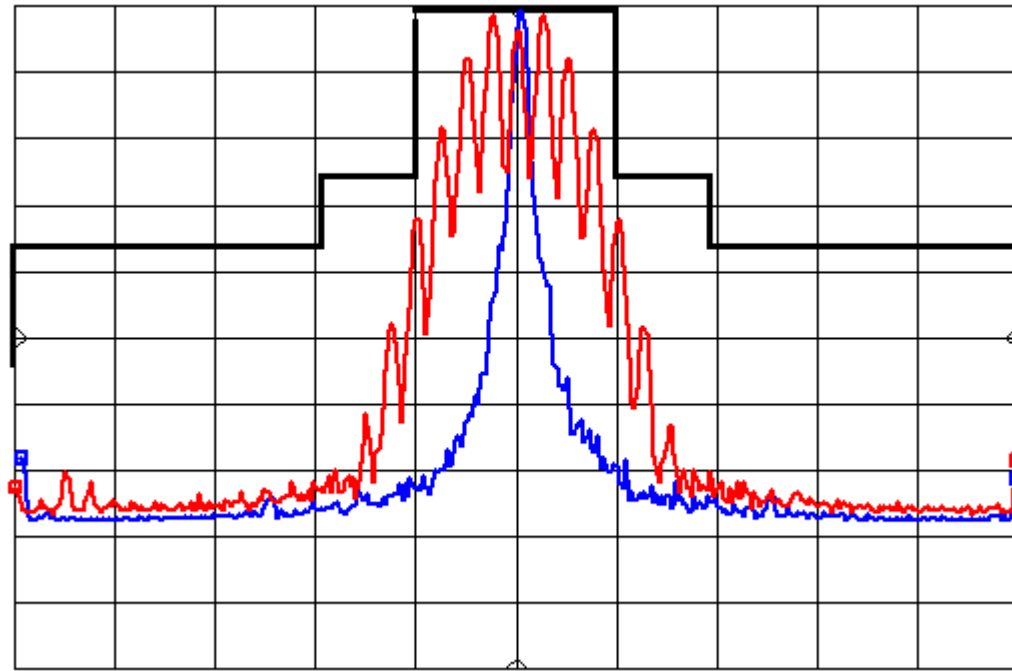
Horizontal: 10 kHz/div

Vertical :

10 dB/div Resolution Bandwidth 300 Hz

EXHIBIT 9E

OCCUPIED BANDWIDTH DATA
20 kHz channel spacing with Emission 16K0F3E - Emission Mask B



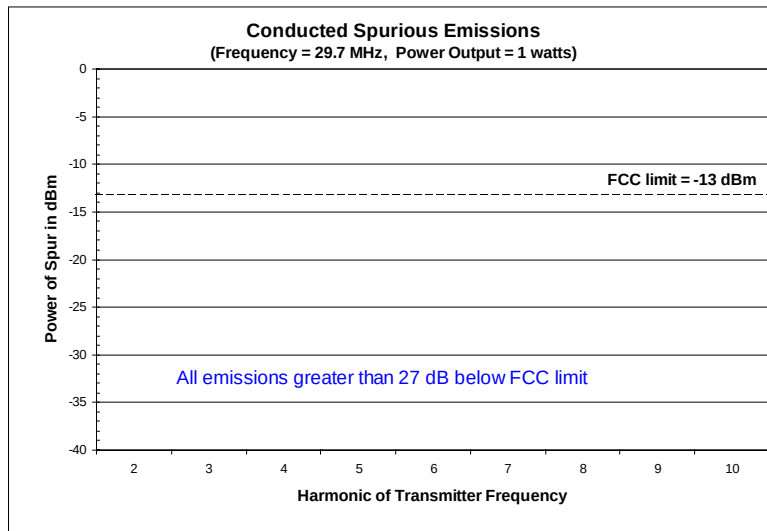
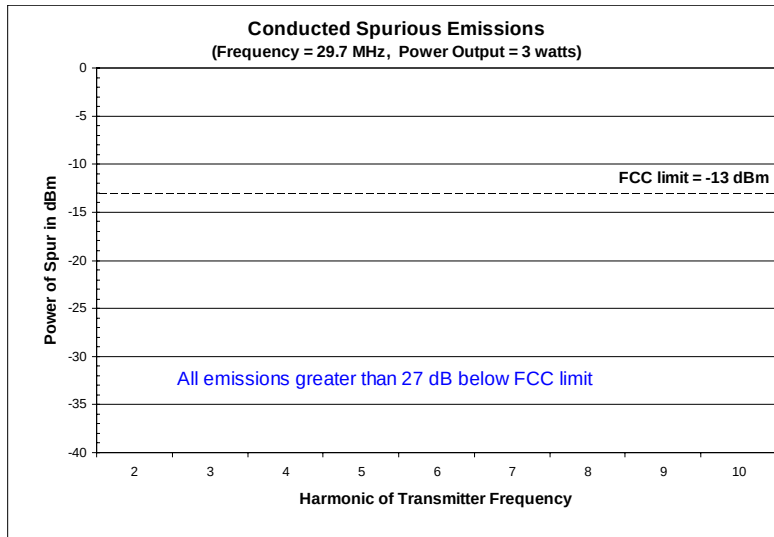
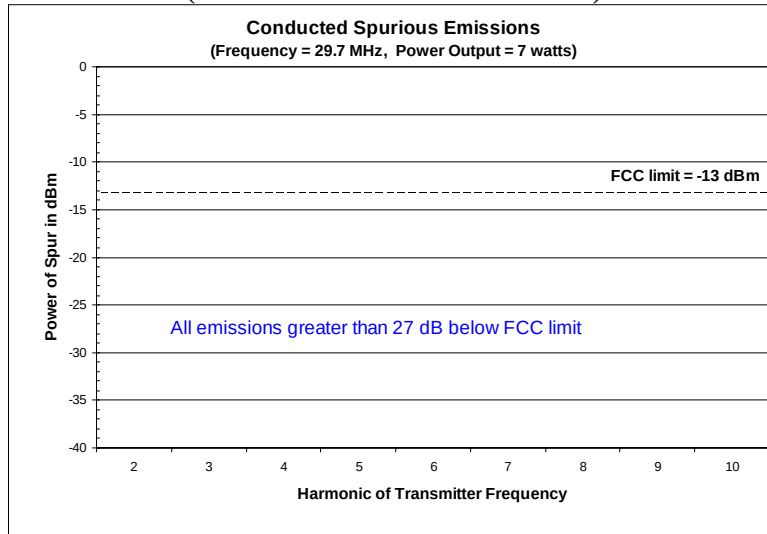
Modulation: 2500 Hz at audio level 16 dB above 50% deviation + DPL signaling
Center Frequency 29.7 MHz
10 dB/div
Resolution Bandwidth 300 Hz

Horizontal: 10 kHz/div

Vertical :

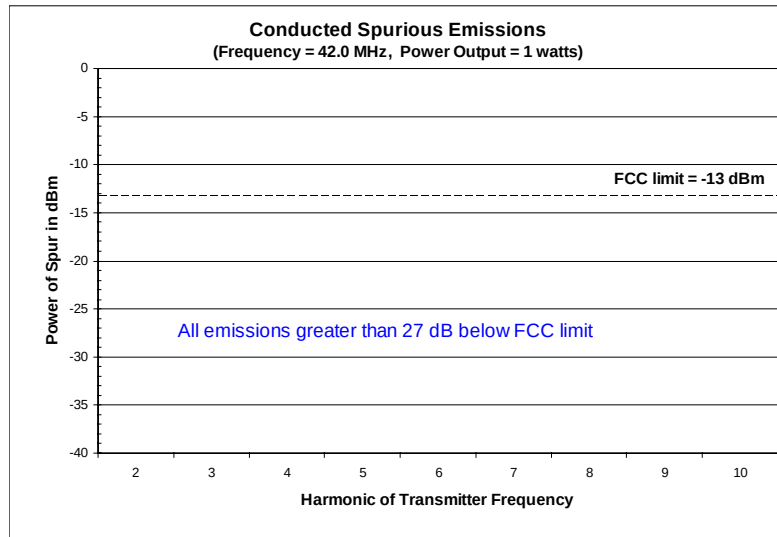
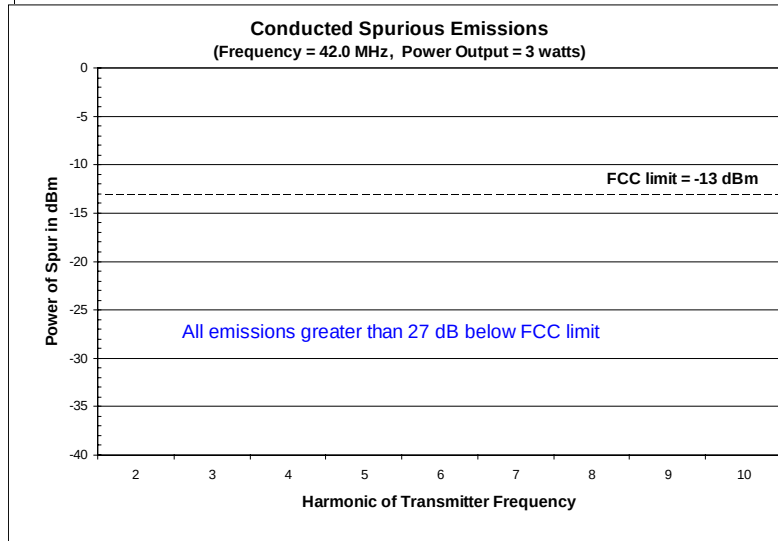
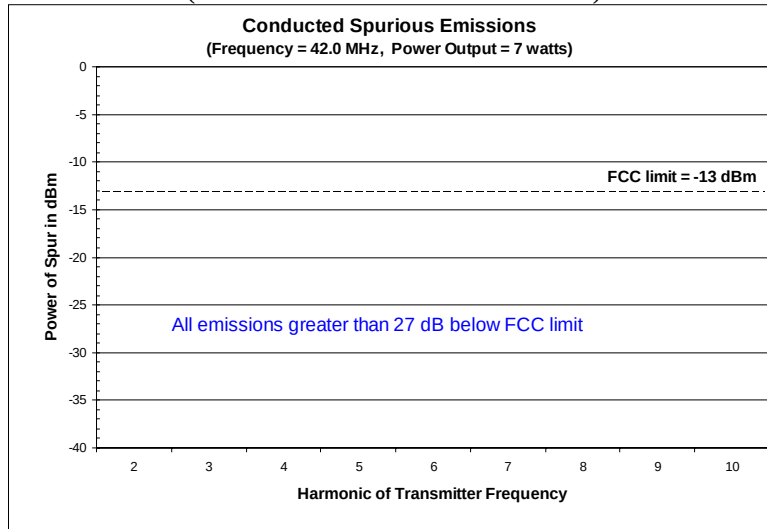
CONDUCTED SPURIOUS EMISSIONS

(Levels below -40 dBm are not shown)

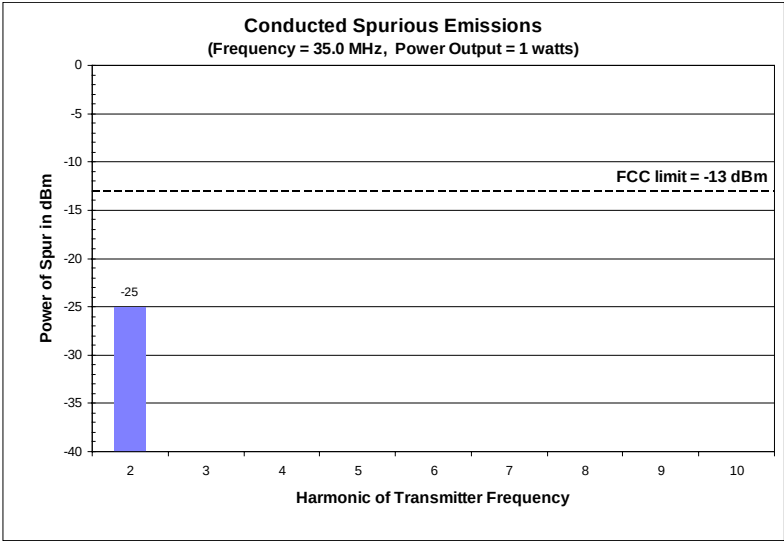
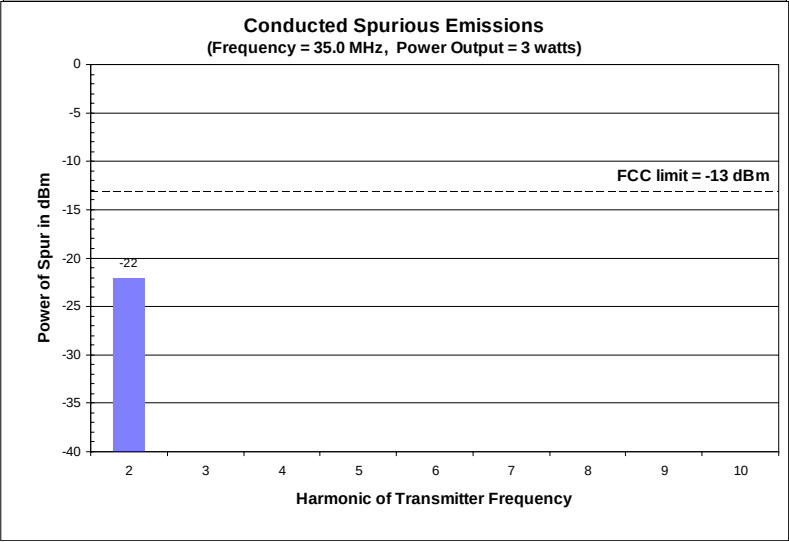
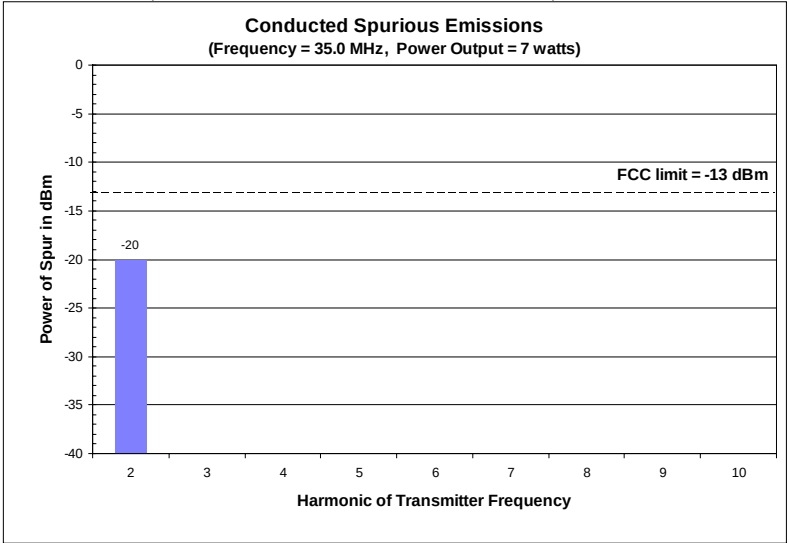


CONDUCTED SPURIOUS EMISSIONS

(Levels below -40 dBm are not shown)

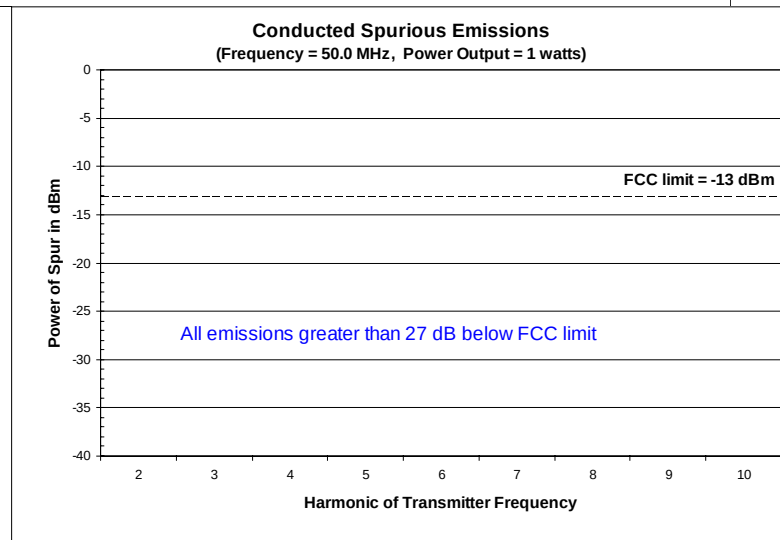
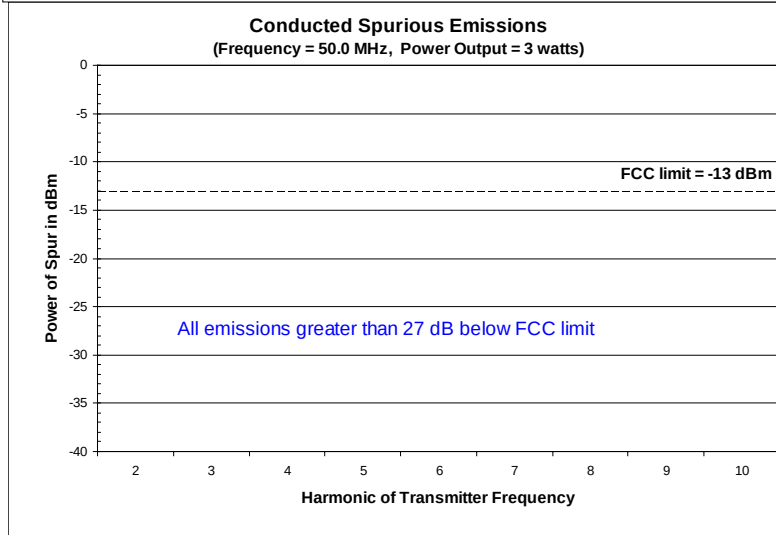
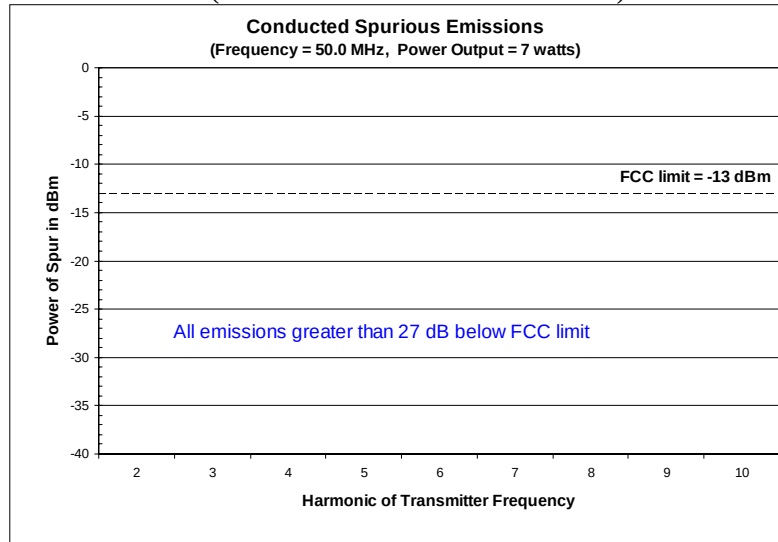


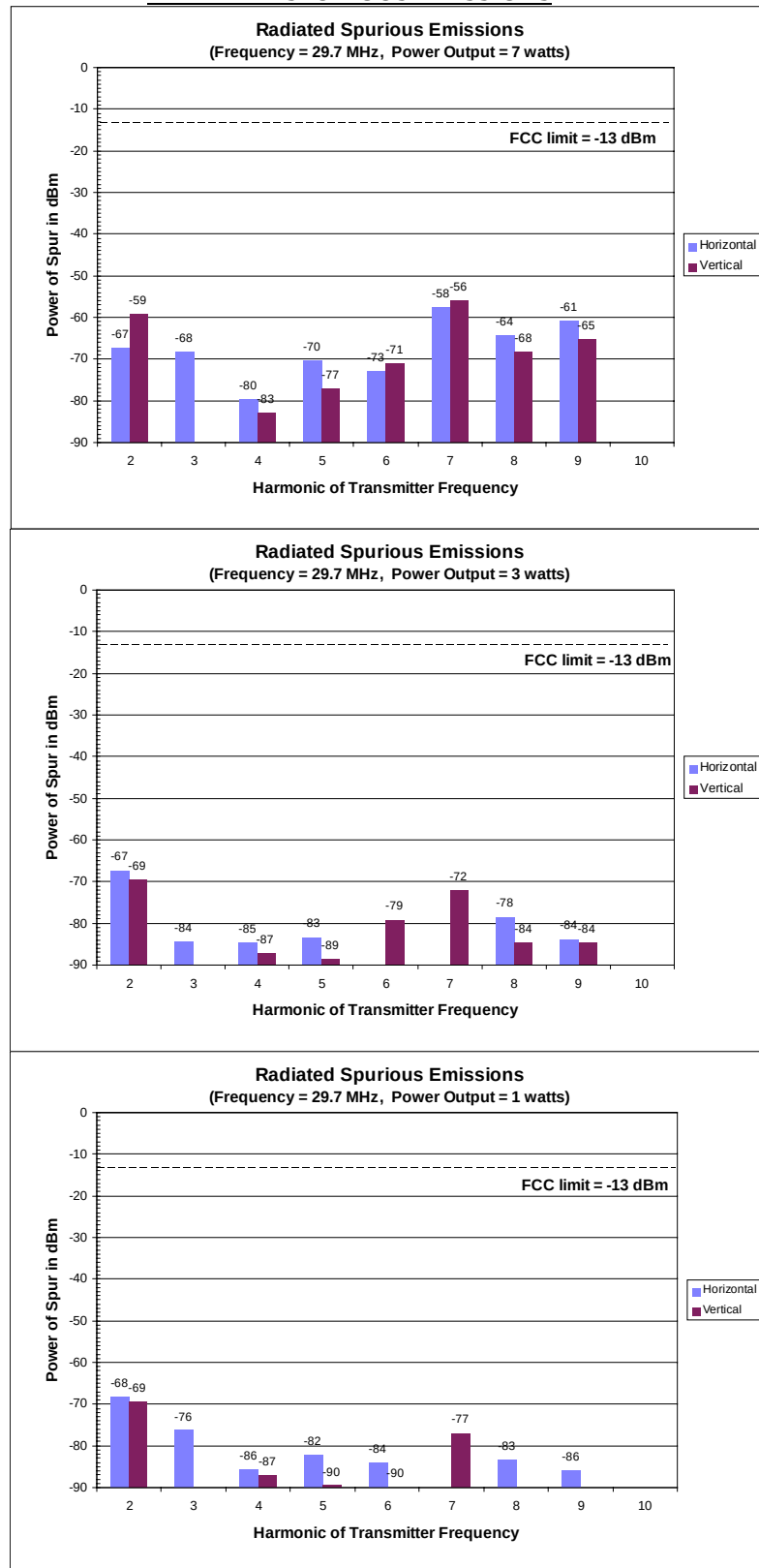
CONDUCTED SPURIOUS EMISSIONS
(Levels below -40 dBm are not shown)

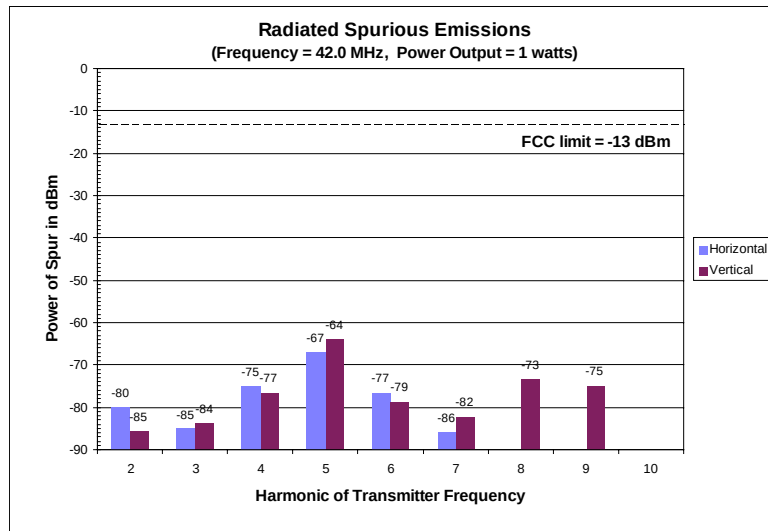
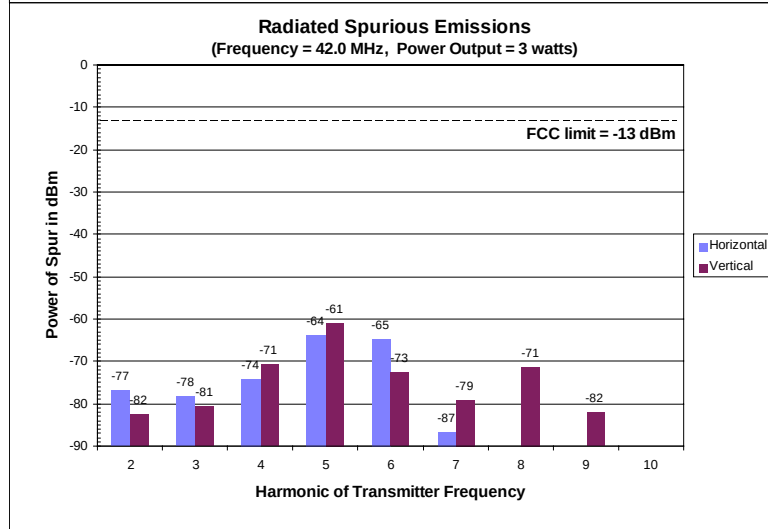
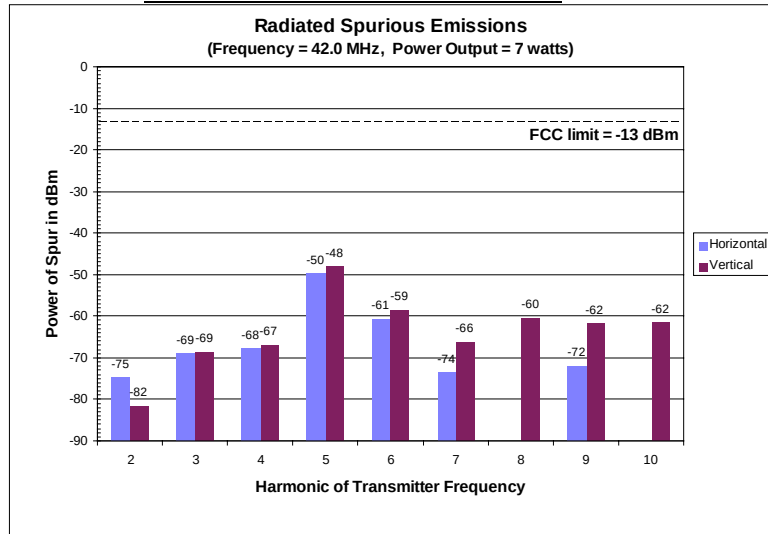


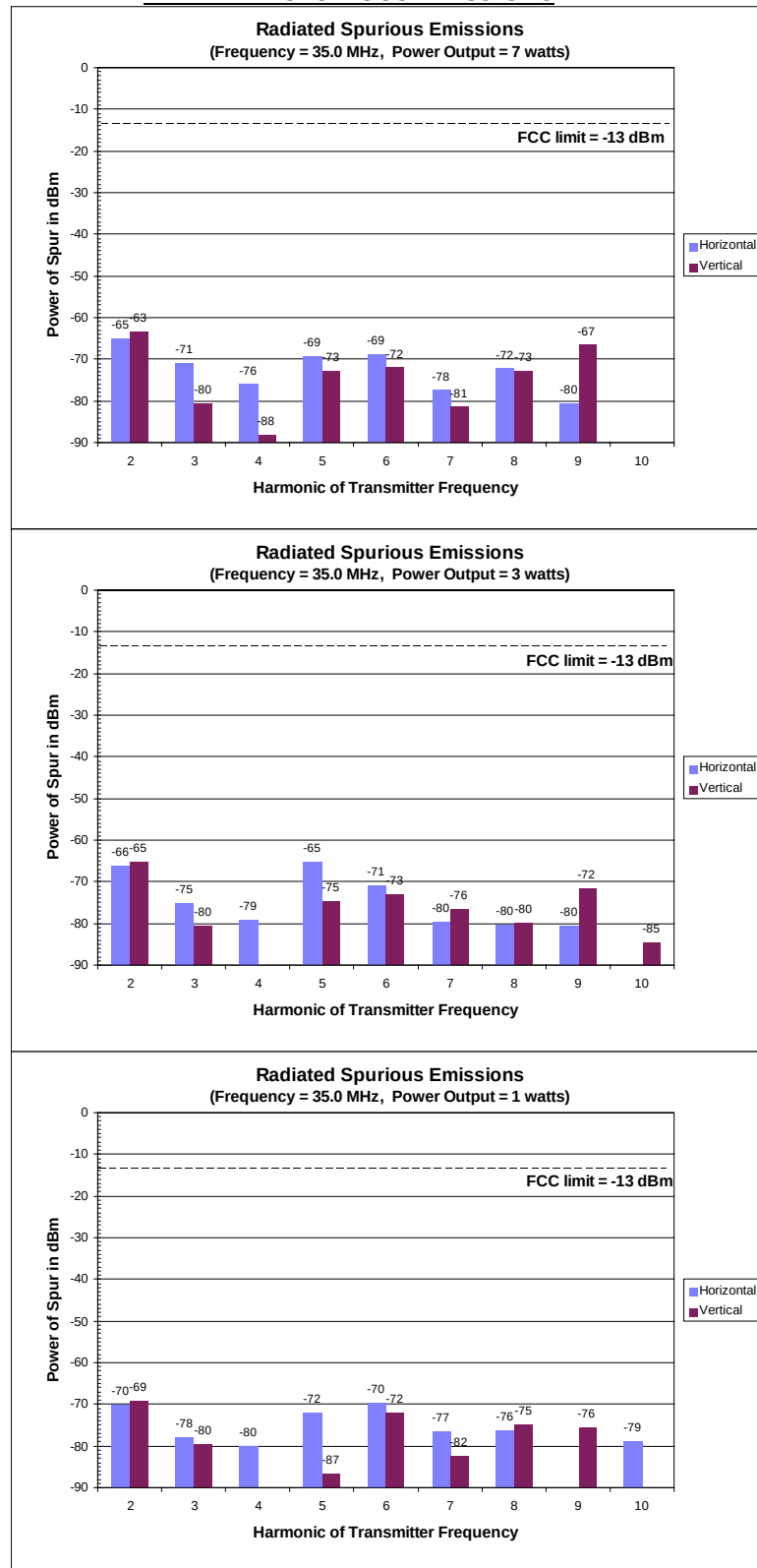
CONDUCTED SPURIOUS EMISSIONS

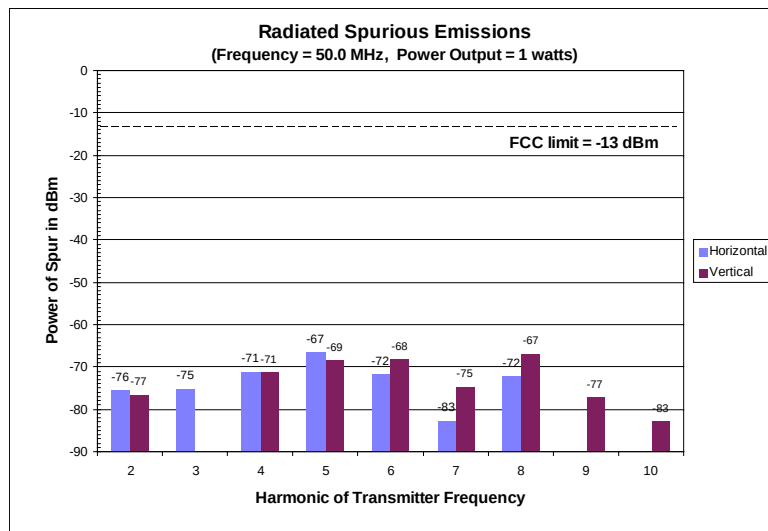
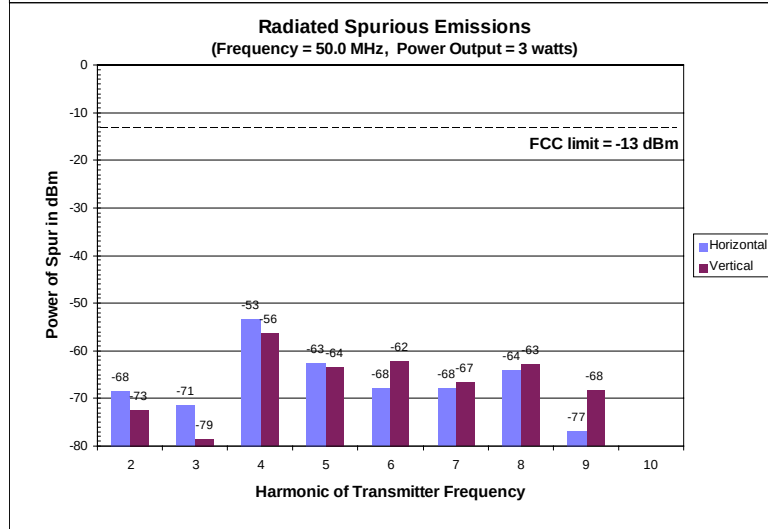
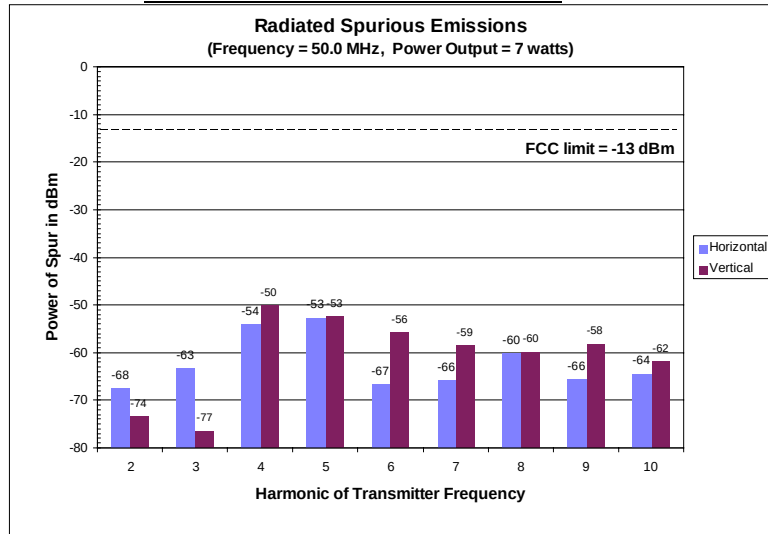
(Levels below -40 dBm are not shown)



RADIATED SPURIOUS EMISSIONS

RADIATED SPURIOUS EMISSIONS

RADIATED SPURIOUS EMISSIONS

RADIATED SPURIOUS EMISSIONS

FREQUENCY STABILITY DATA