

TEST REPORT

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* Data for 1 and 3 watt are identical so only one plot is provided.

RF POWER OUTPUT DATA

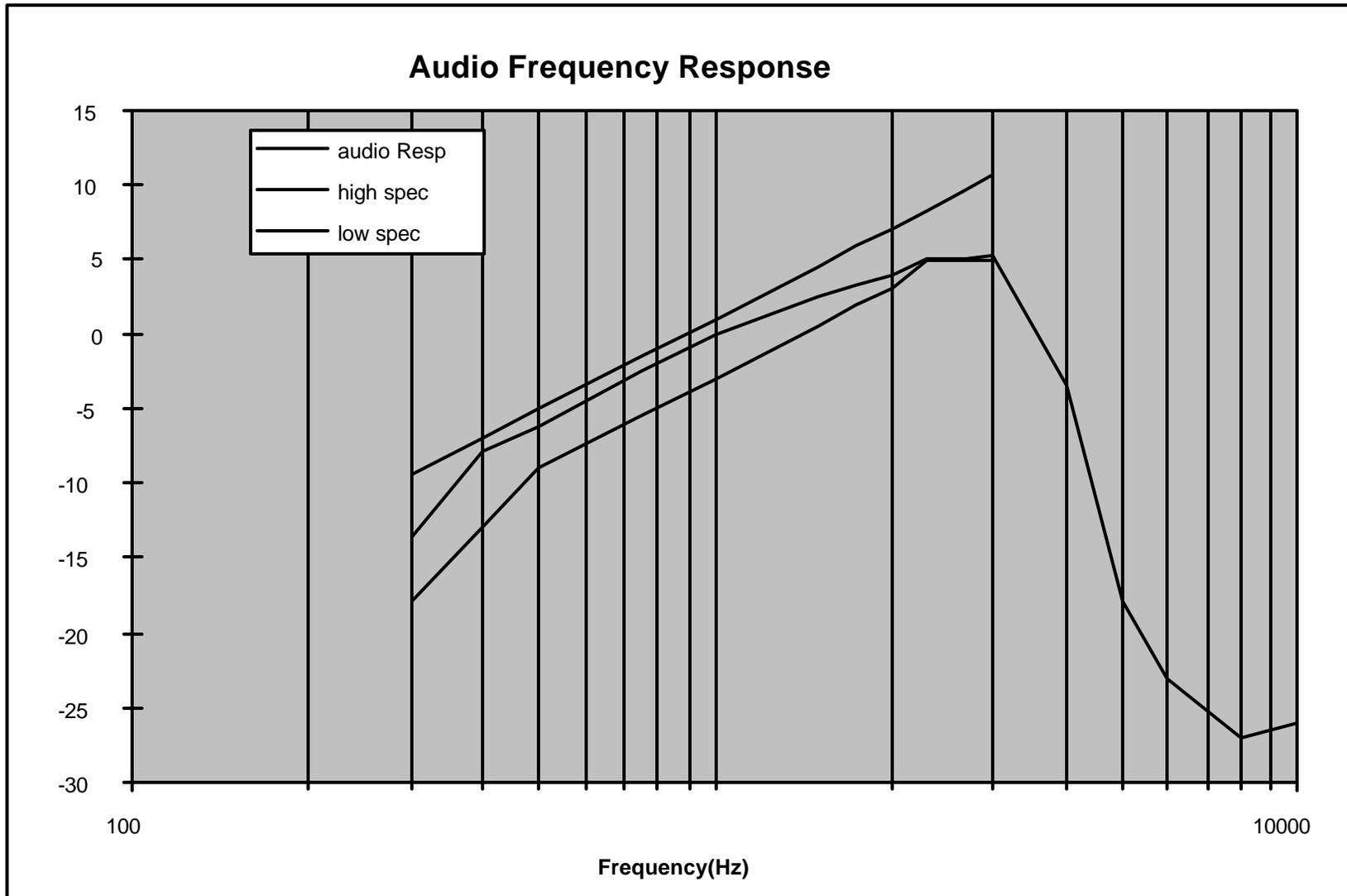
The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device.

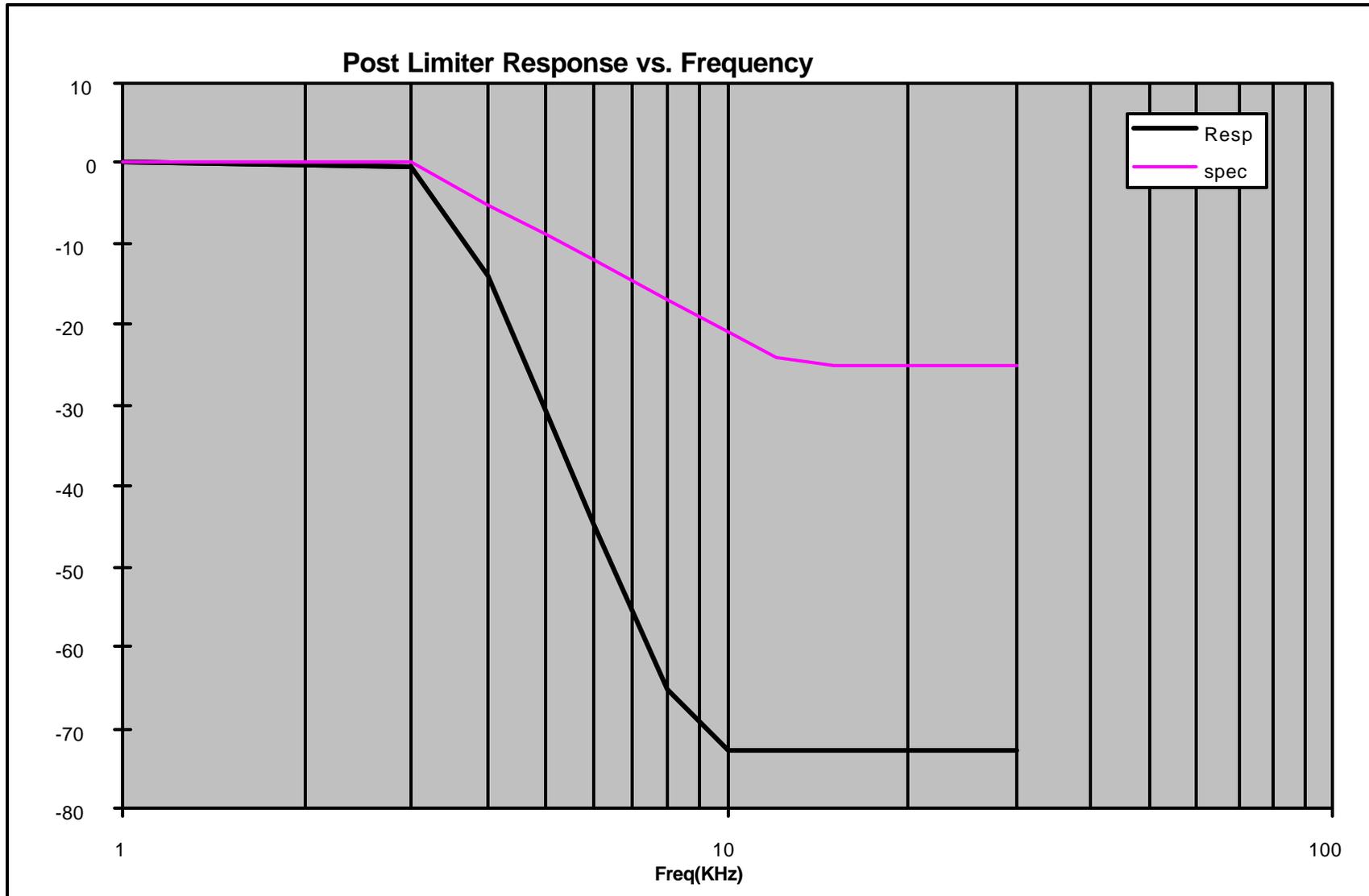
1 Watt

Measured RF output	1.06	Watts
Normal DC Voltage	7.50	Volts
Normal DC Current	669	mA
Primary Supply Voltage	7.50	Volts

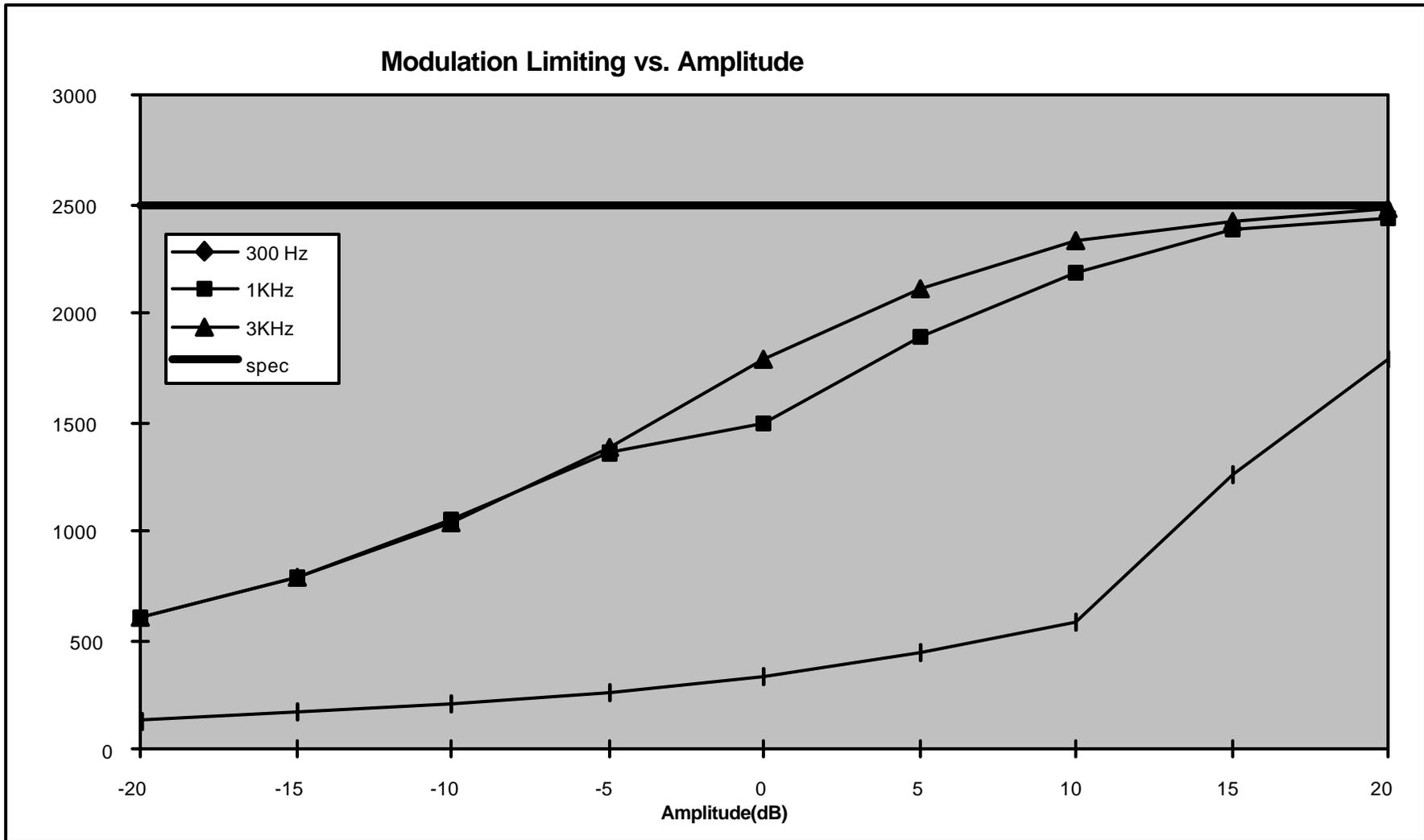
3 Watt

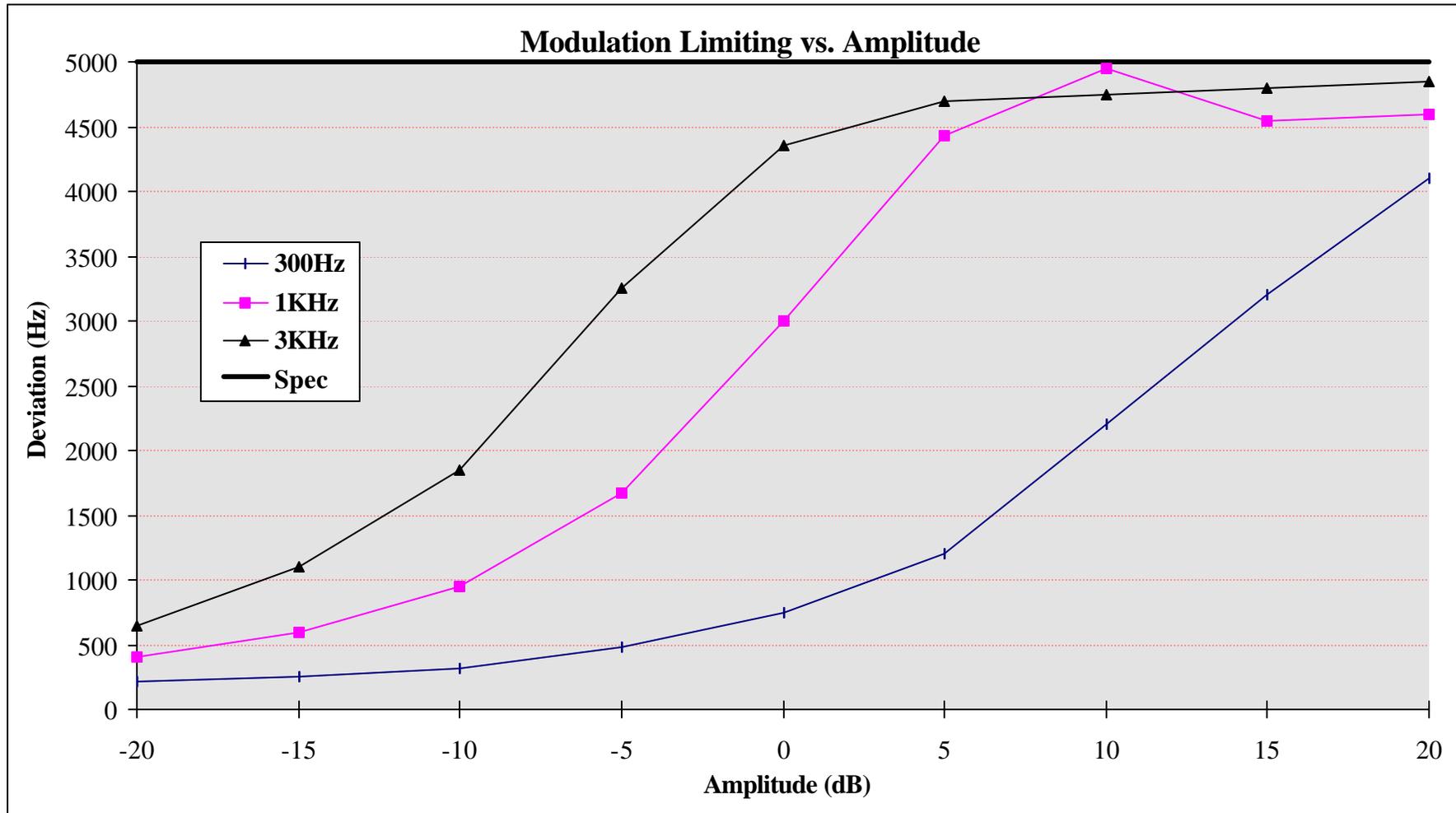
Measured RF output	2.95	Watts
Normal DC Voltage	7.50	Volts
Normal DC Current	1104	mA
Primary Supply Voltage	7.50	Volts





From 10 kHz to 30 kHz was in the noise floor of instrument.





OCCUPIED BANDWIDTH DATA

12.5 kHz Channel Spacing

EXHIBIT 6E-1

2500 Hz Audio Modulation
Emission Type: 11K0F3E
Horizontal: 5 kHz/Div.
Vertical: 10 dB/Div.
Carrier Ref: 0 dB
Specification Mask D, 90.210

EXHIBIT 6E-2

2500 Hz & 77 Hz Tone "PL" Modulation
Emission Type: 11K0F3E
Horizontal: 5 kHz/Div.
Vertical: 10 dB/Div.
Carrier Ref: 0 dB
Specification Mask D, 90.210

25 kHz Channel Spacing

EXHIBIT 6E-3

2500 Hz Audio Modulation
Emission Type: 16K0F3E
Horizontal: 5 kHz/Div.
Vertical: 10 dB/Div.
Carrier Ref: 0 dB
Specification Mask B, 90.210

EXHIBIT 6E-4

2500 Hz & 77 Hz Tone "PL" Modulation
Emission Type: 16K0F3E
Horizontal: 5 kHz/Div.
Vertical: 10 dB/Div.
Carrier Ref: 0 dB
Specification Mask B, 90.210

CARSON'S RULE

11K0F3E:

$$BW = 2(M + D)$$

$$BW = 2(3 \text{ kHz maximum modulation frequency} + 2.5 \text{ kHz deviation})$$

$$BW = 2(5.5)$$

$$BW = 11 \text{ kHz}$$

16K0F3E:

$$BW = 2(3+5) = 16 \text{ kHz}$$

EXHIBIT 6E

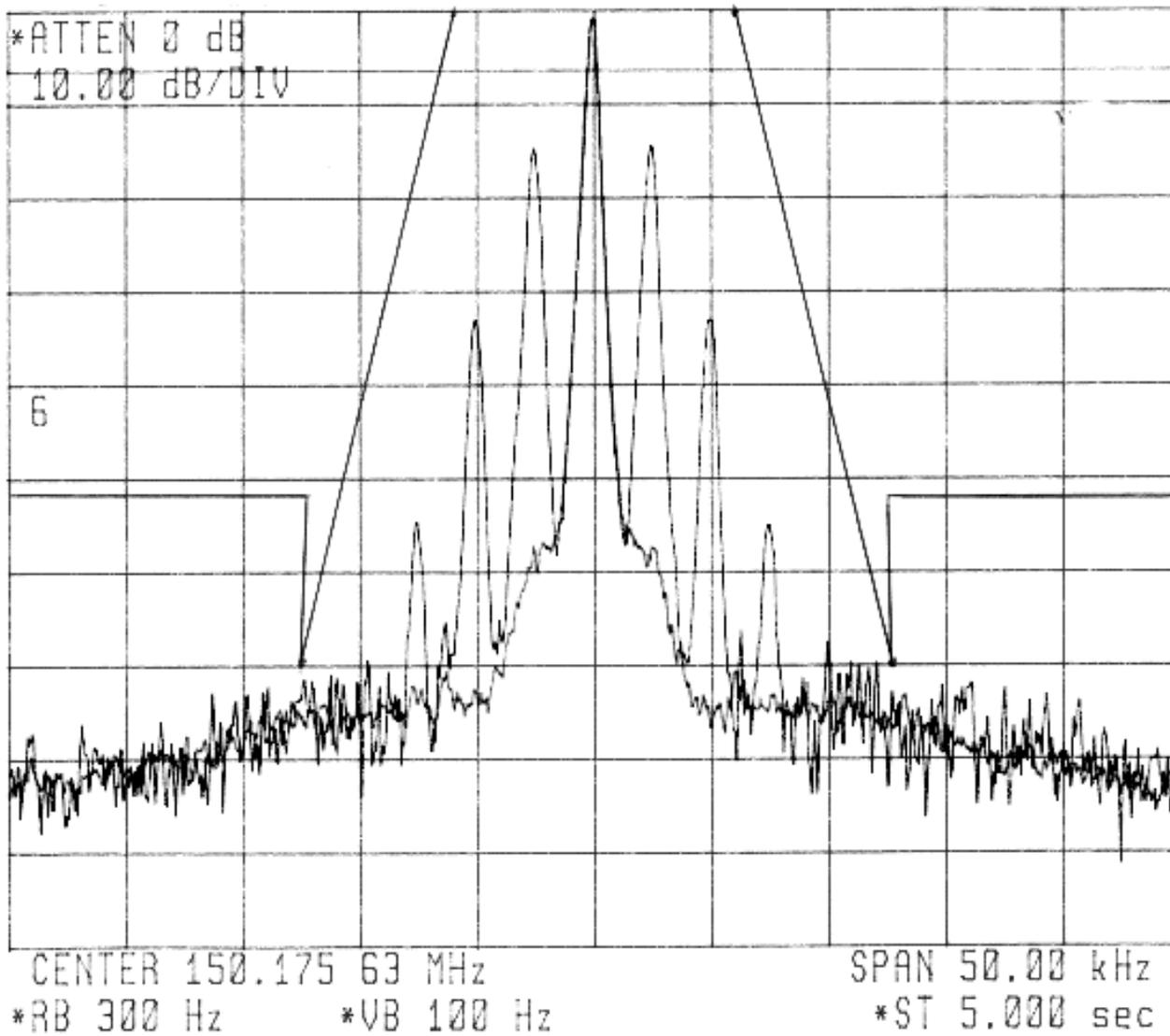


EXHIBIT 6E-1

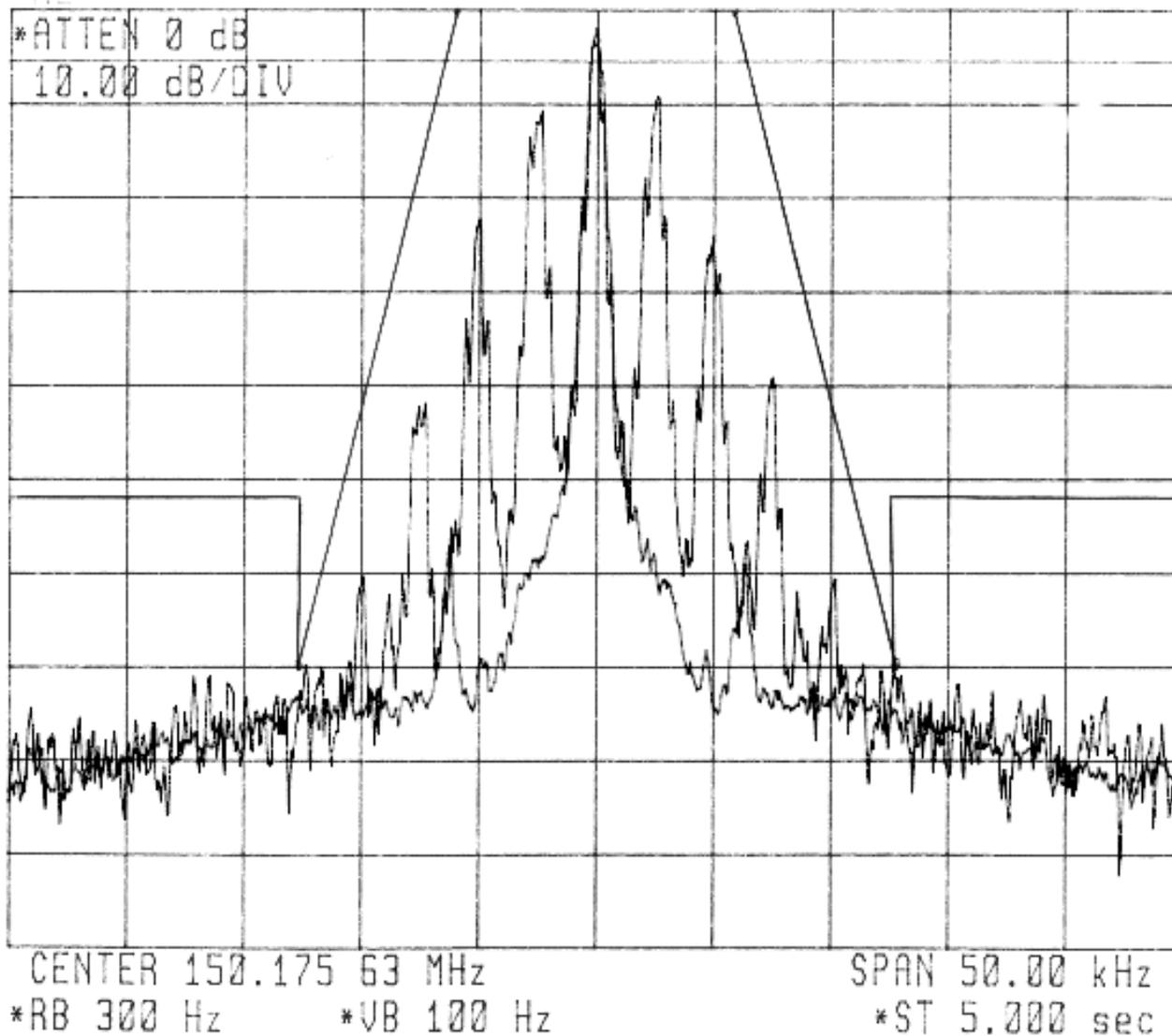


EXHIBIT 6E-2

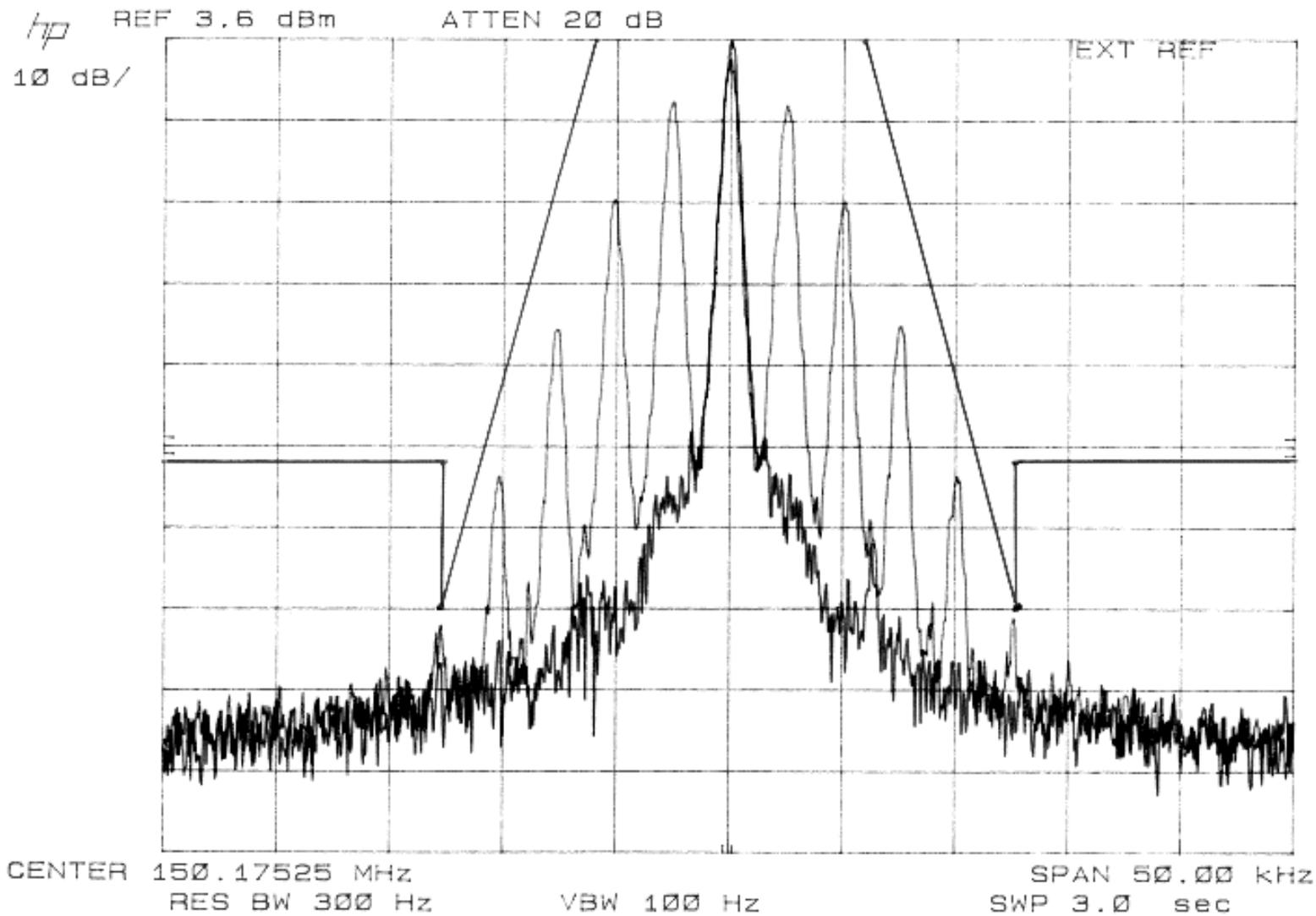


EXHIBIT 6E-3

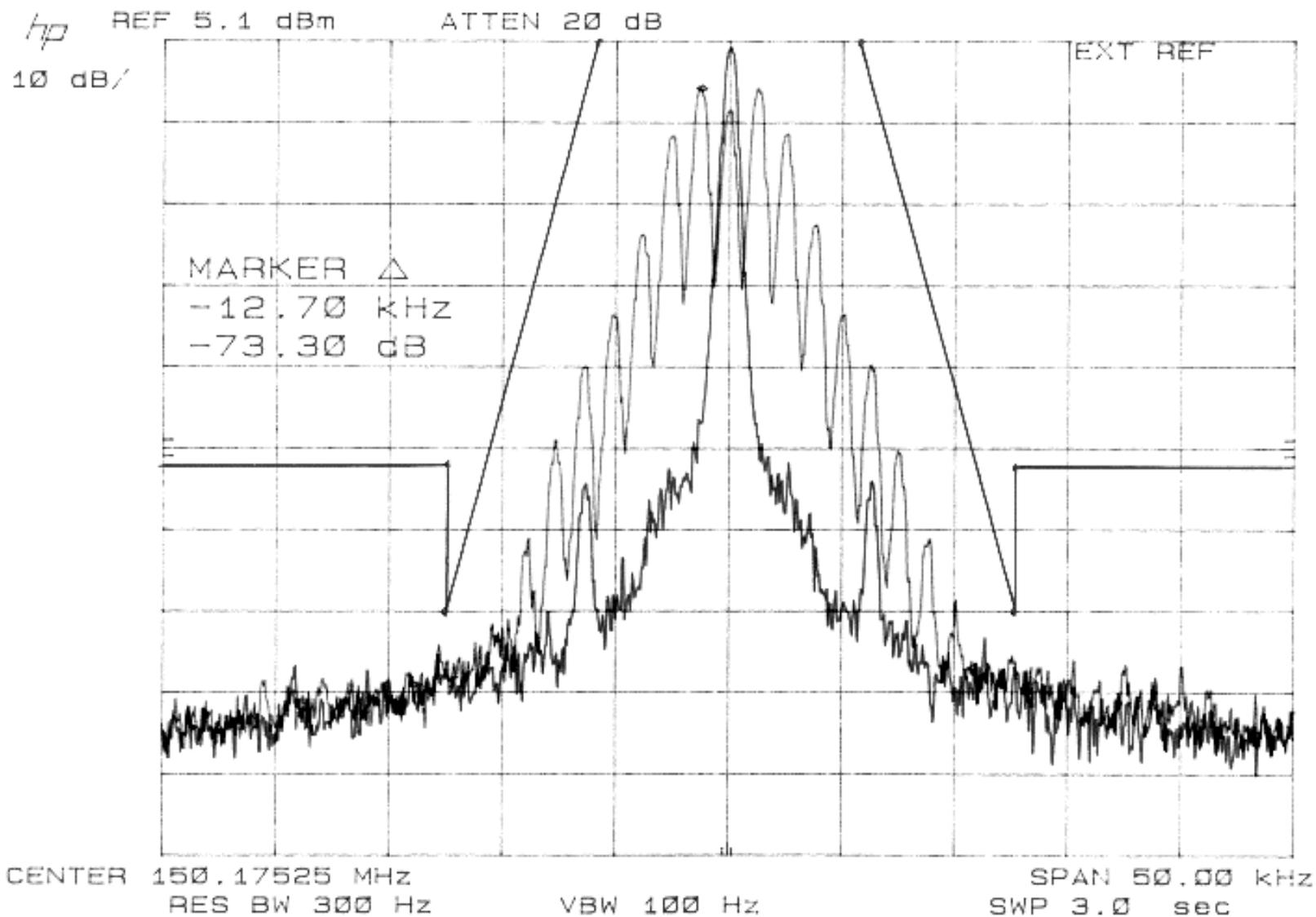


EXHIBIT 6E-4

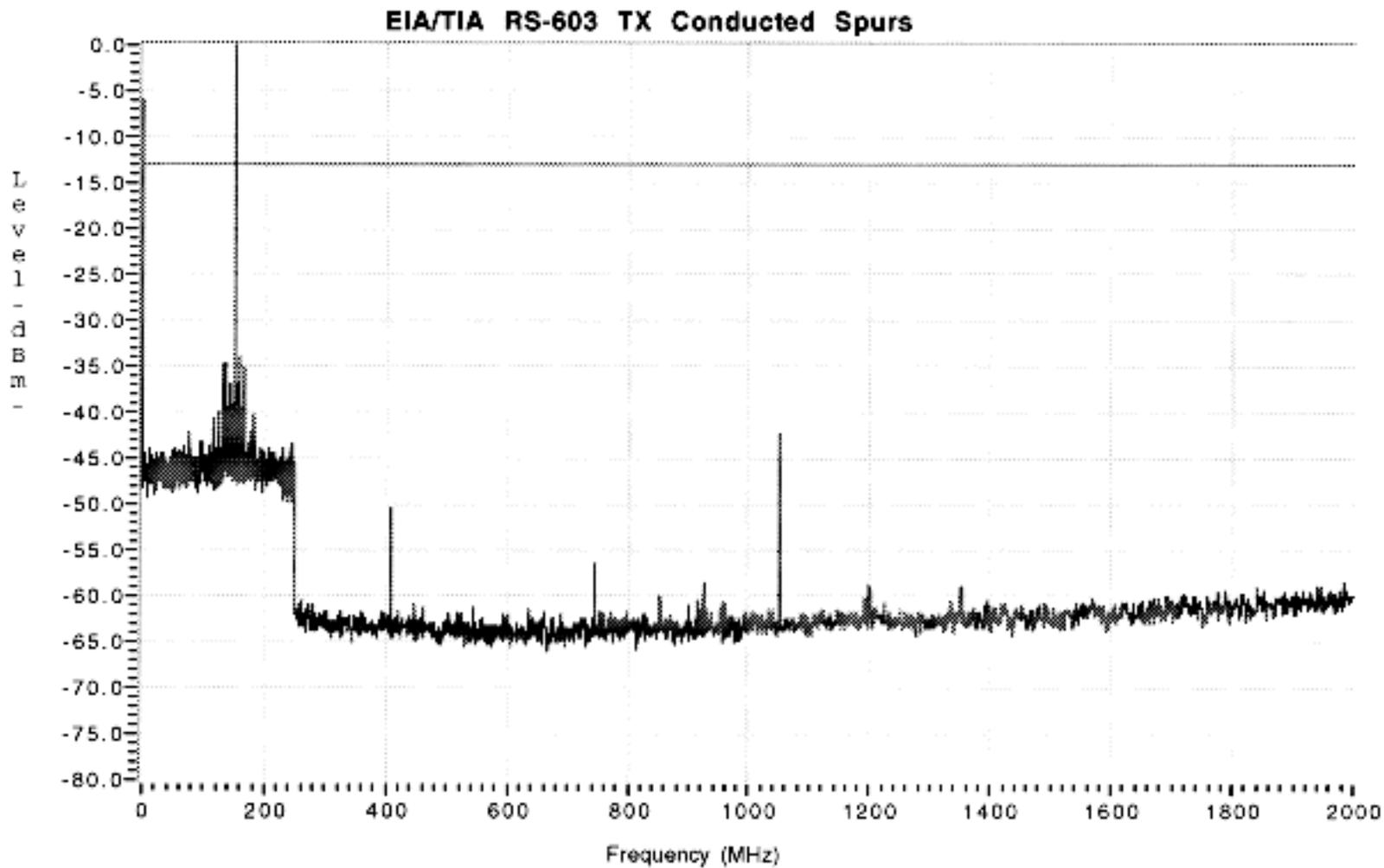


EXHIBIT 6F-1

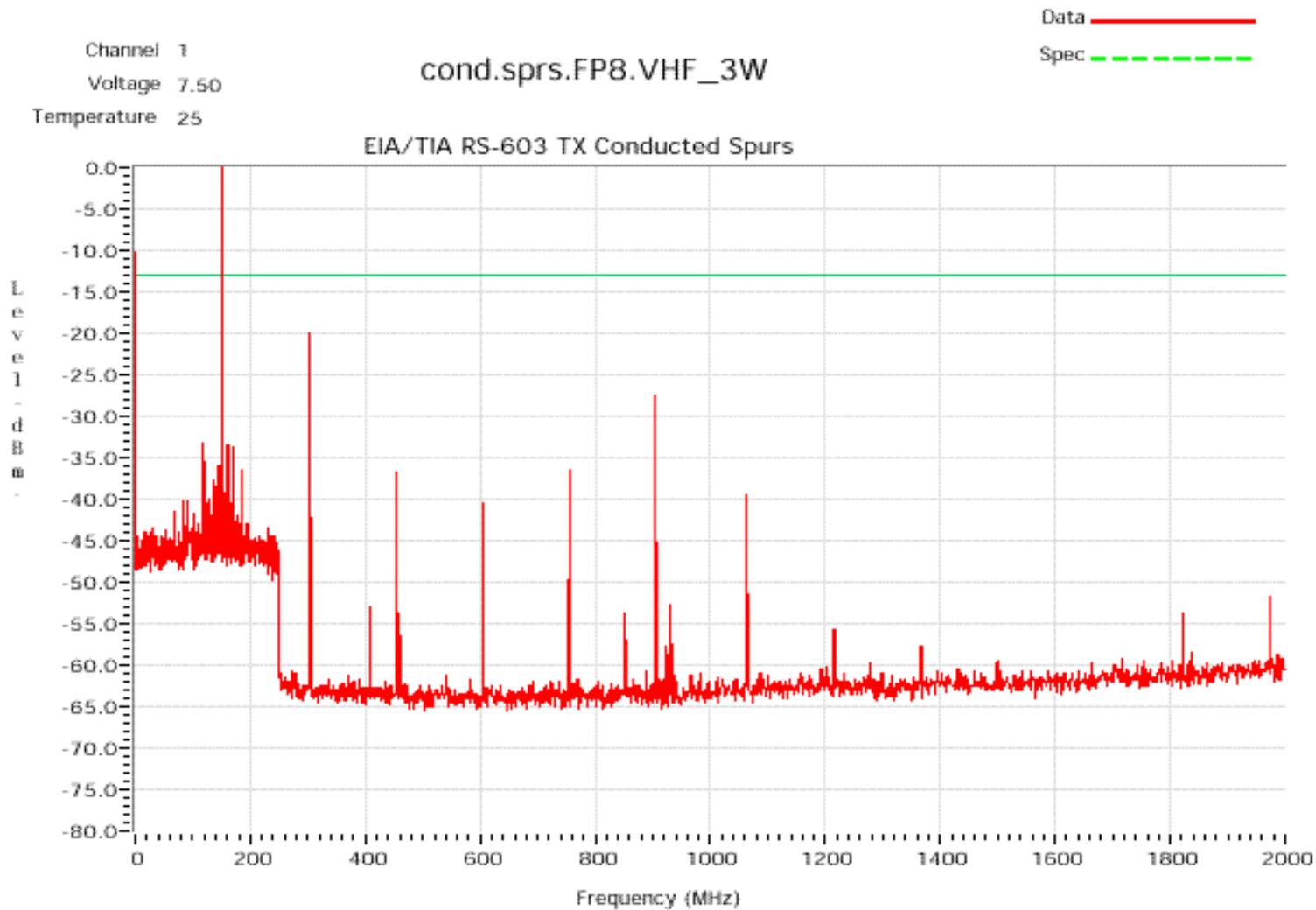


EXHIBIT 6F-2

FCC_VHF_1WATT_Transmit_150.175MHz_Vertical Polarization
FCC ID: AZ489FT3797

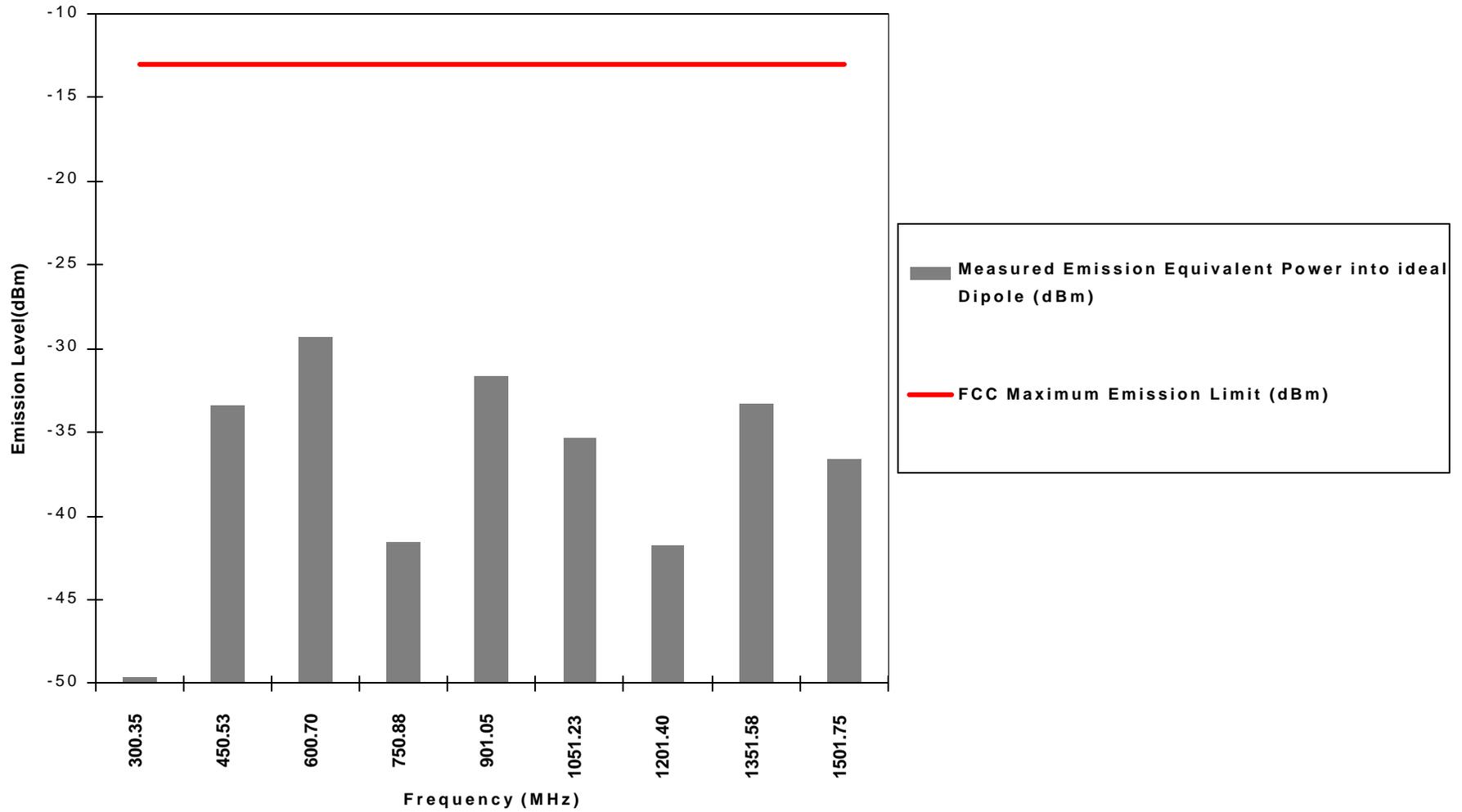
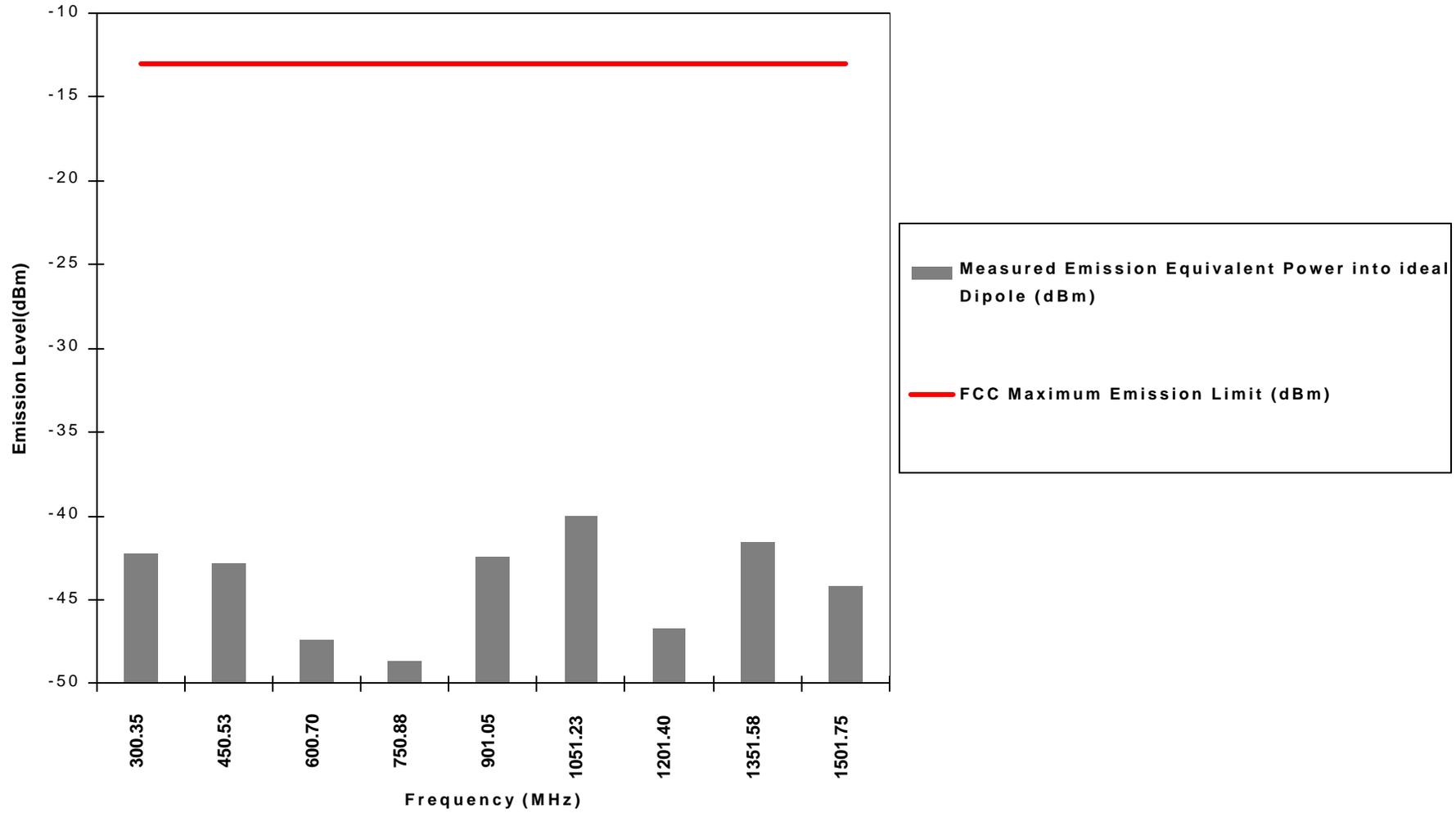


EXHIBIT 6G-1

FCC_VHF_1WATT_Transmit_150.175MHz_Horizontal Polarization
FCC ID: AZ489FT3797



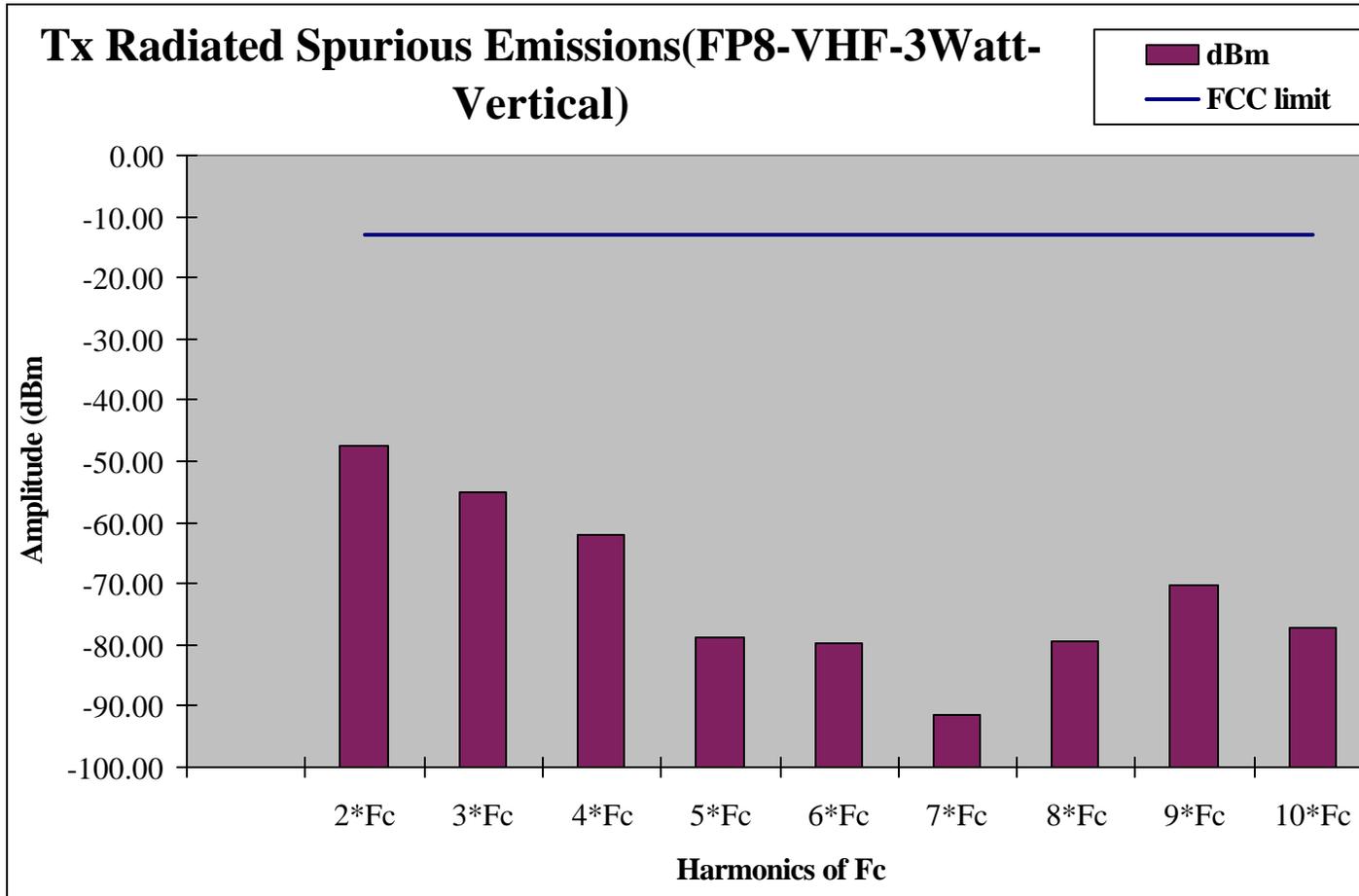


EXHIBIT 6G-3

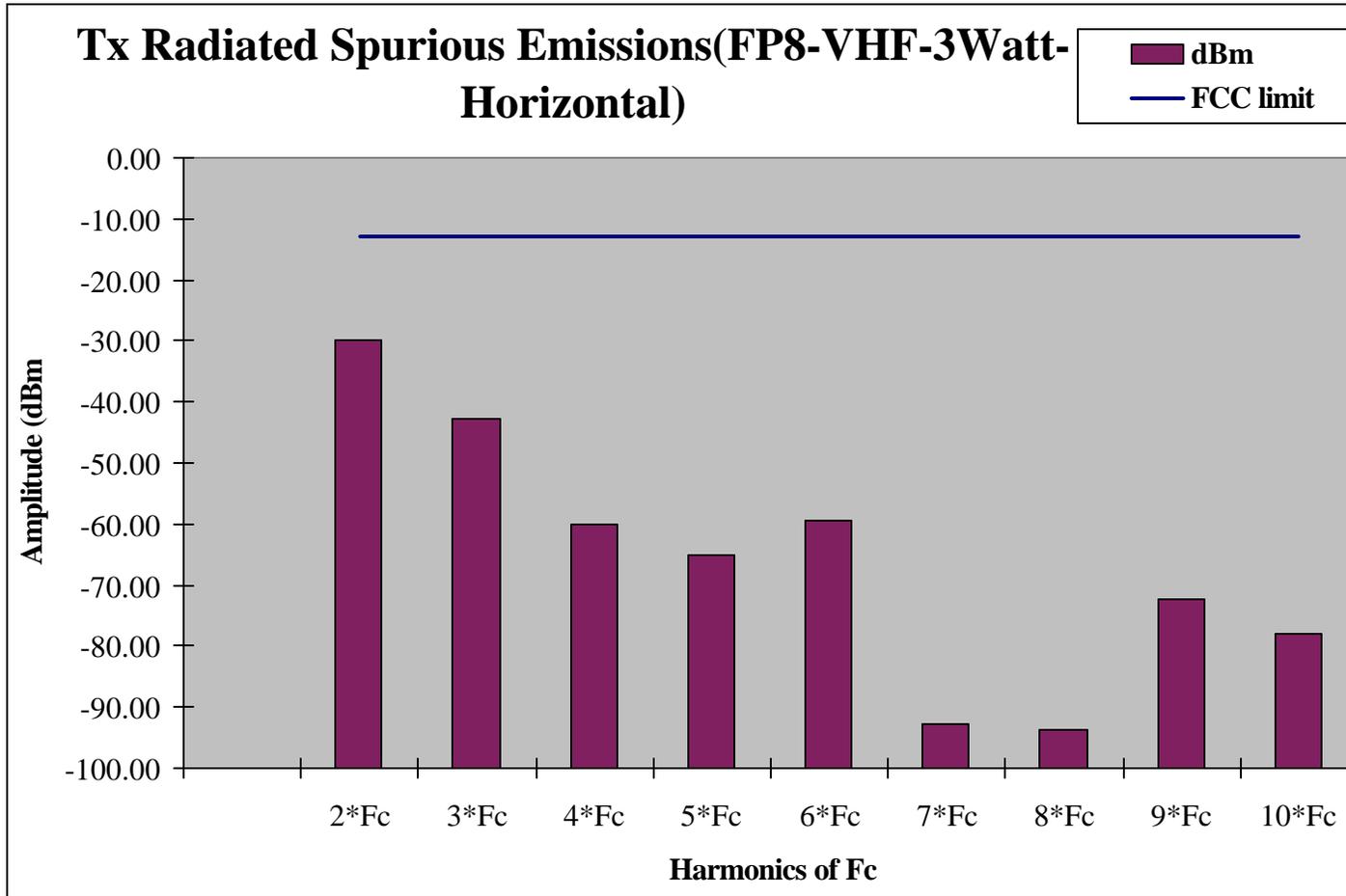


EXHIBIT 6G-4

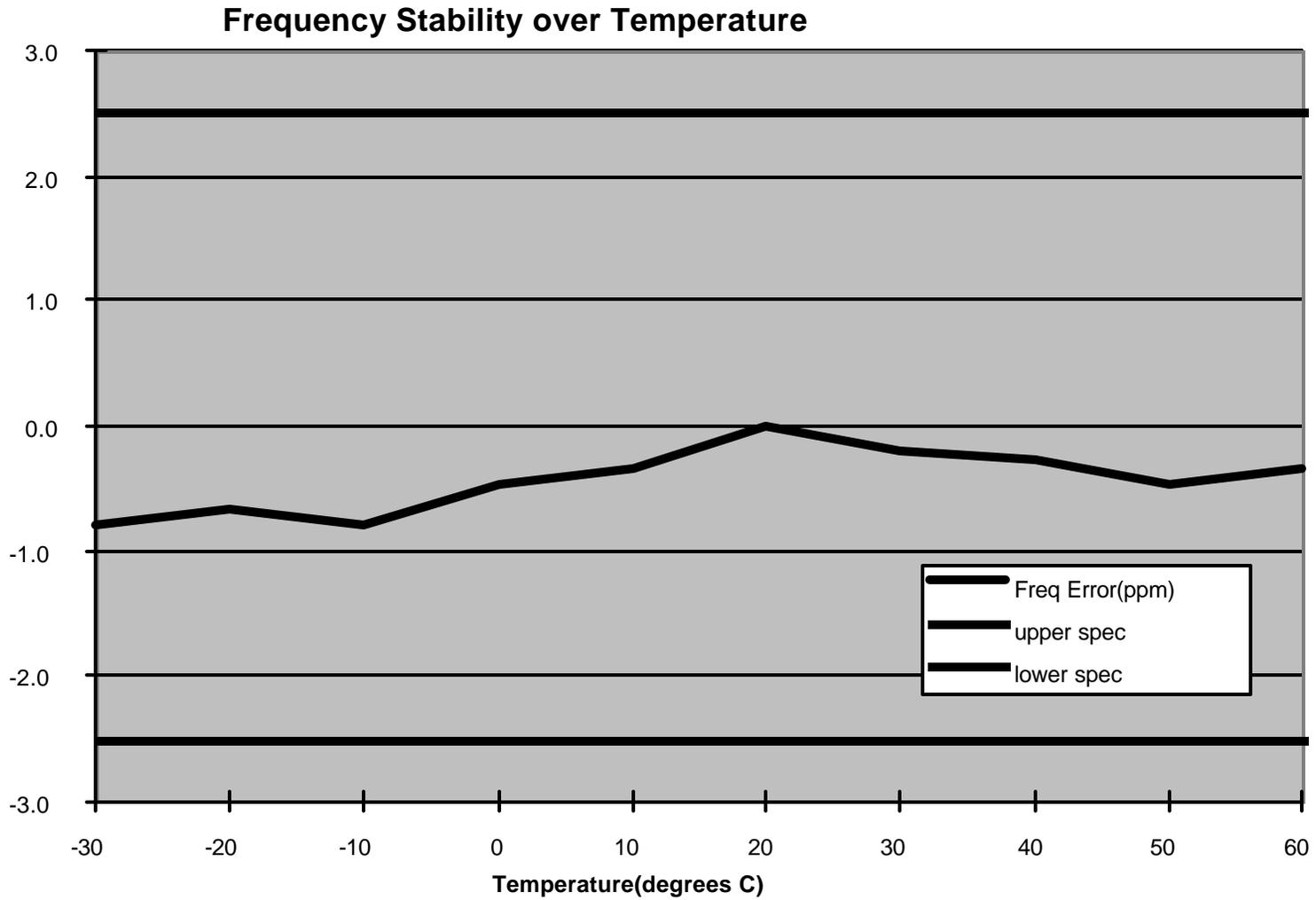
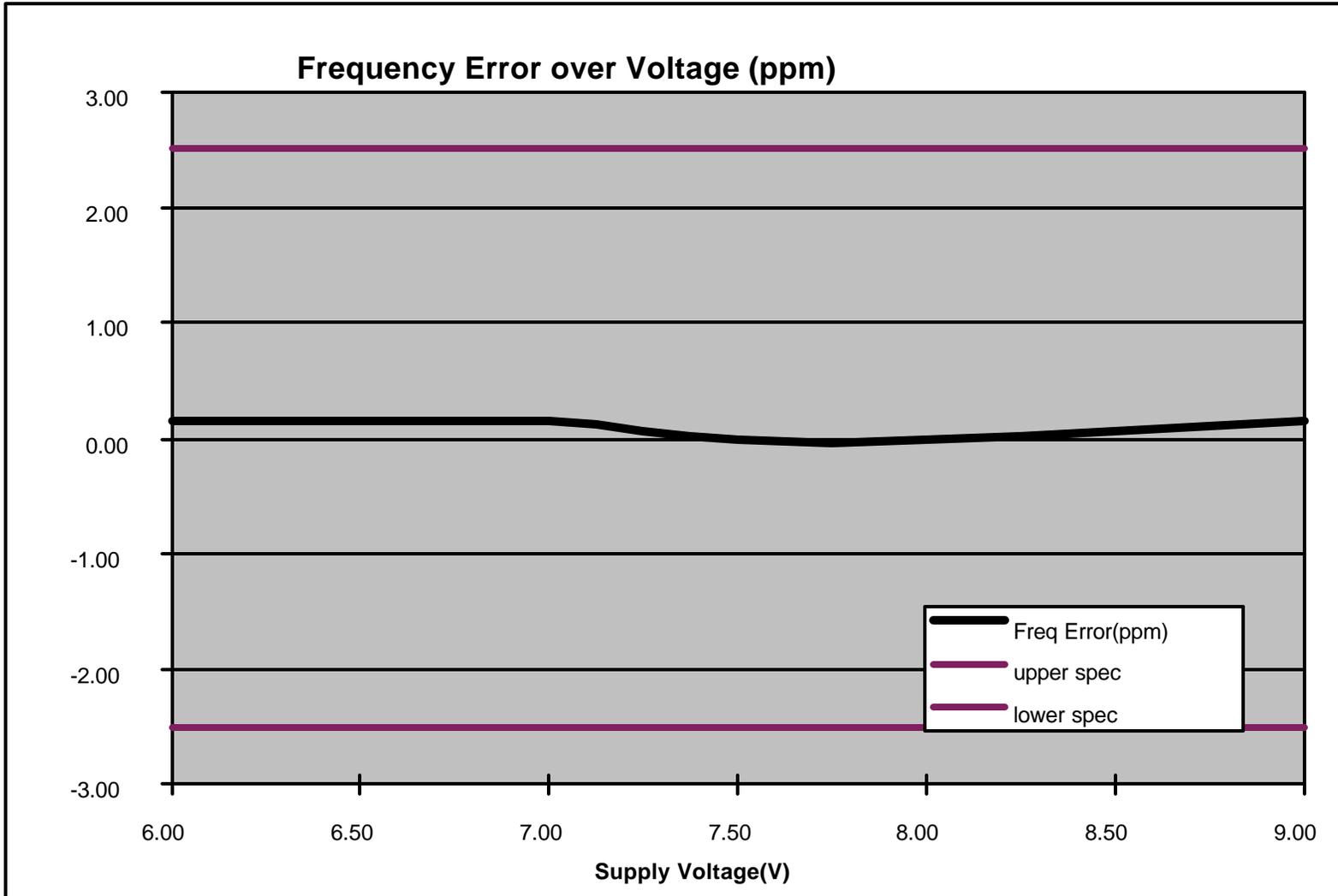


EXHIBIT 6H-1



Radio resets at 5.1 Volt.

EXHIBIT 6H-2



MOTOROLA

FCC ID: AZ489FT3797

CH1 >500mV μ V μ A 10ms 1.56mV EXT1

-312.9mdB

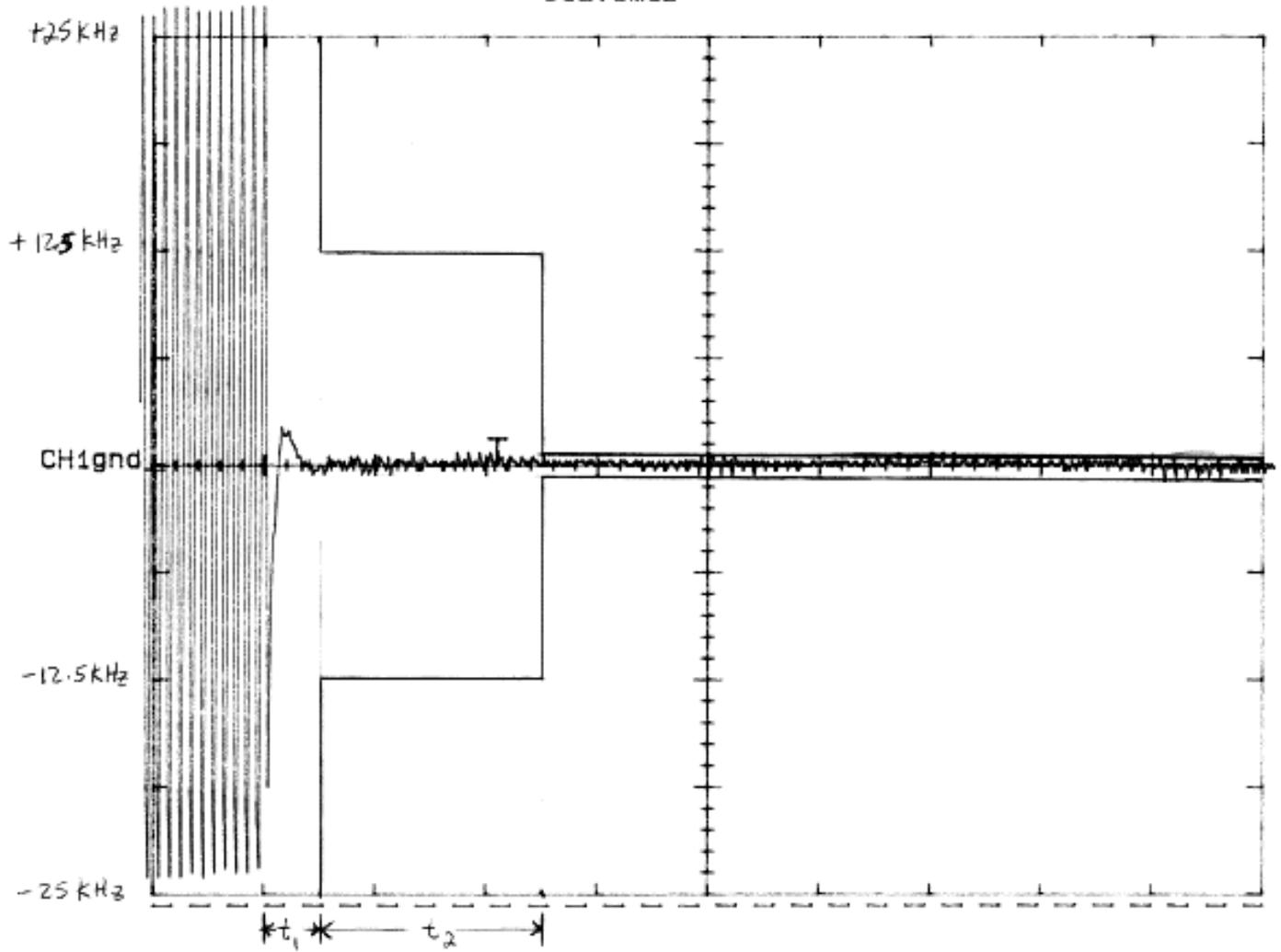


EXHIBIT 6I-1



MOTOROLA

FCC ID: AZ489FT3797

CH1 >500mV μ 10ms -7.81mV EXT1

-291.6mdB

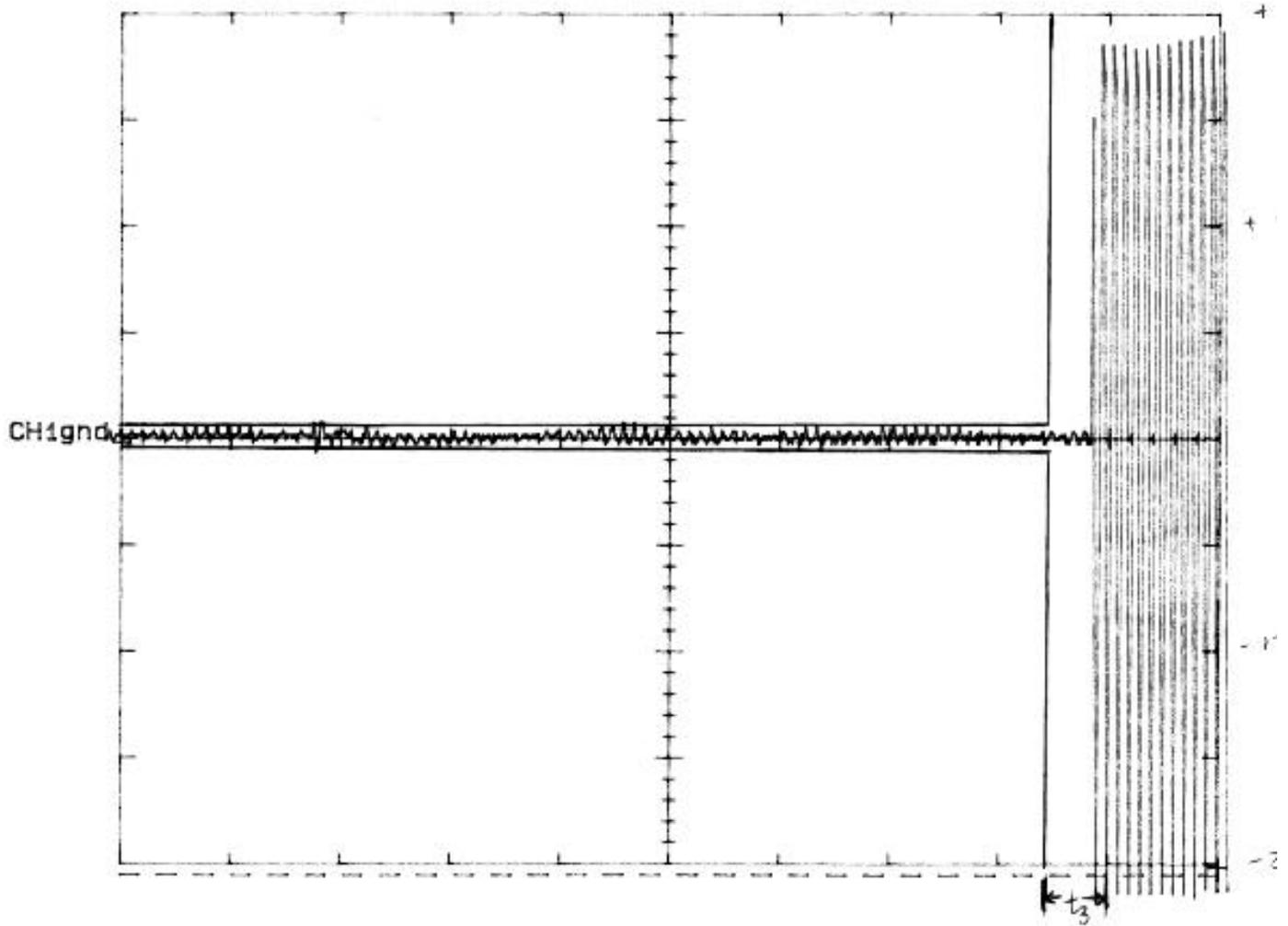
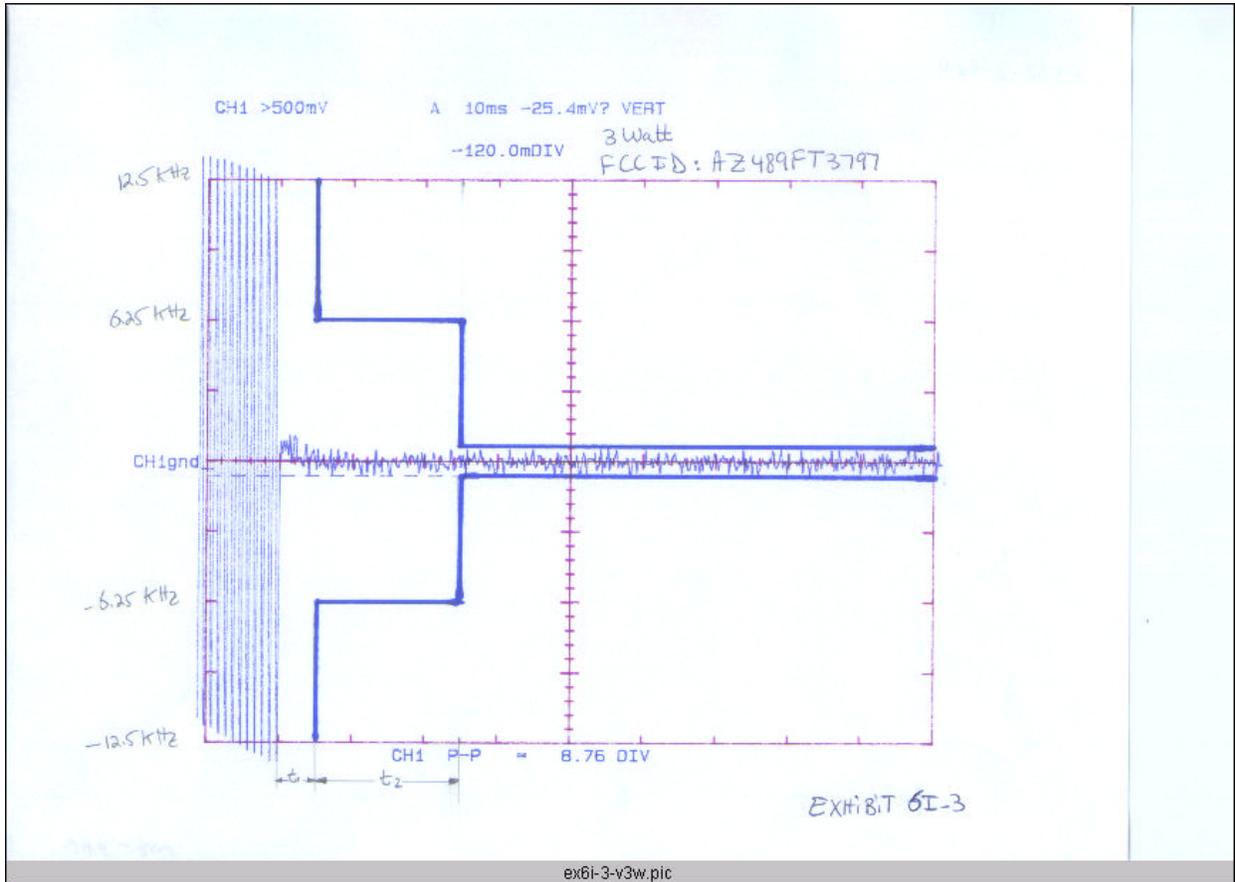


EXHIBIT 6I-2



MOTOROLA

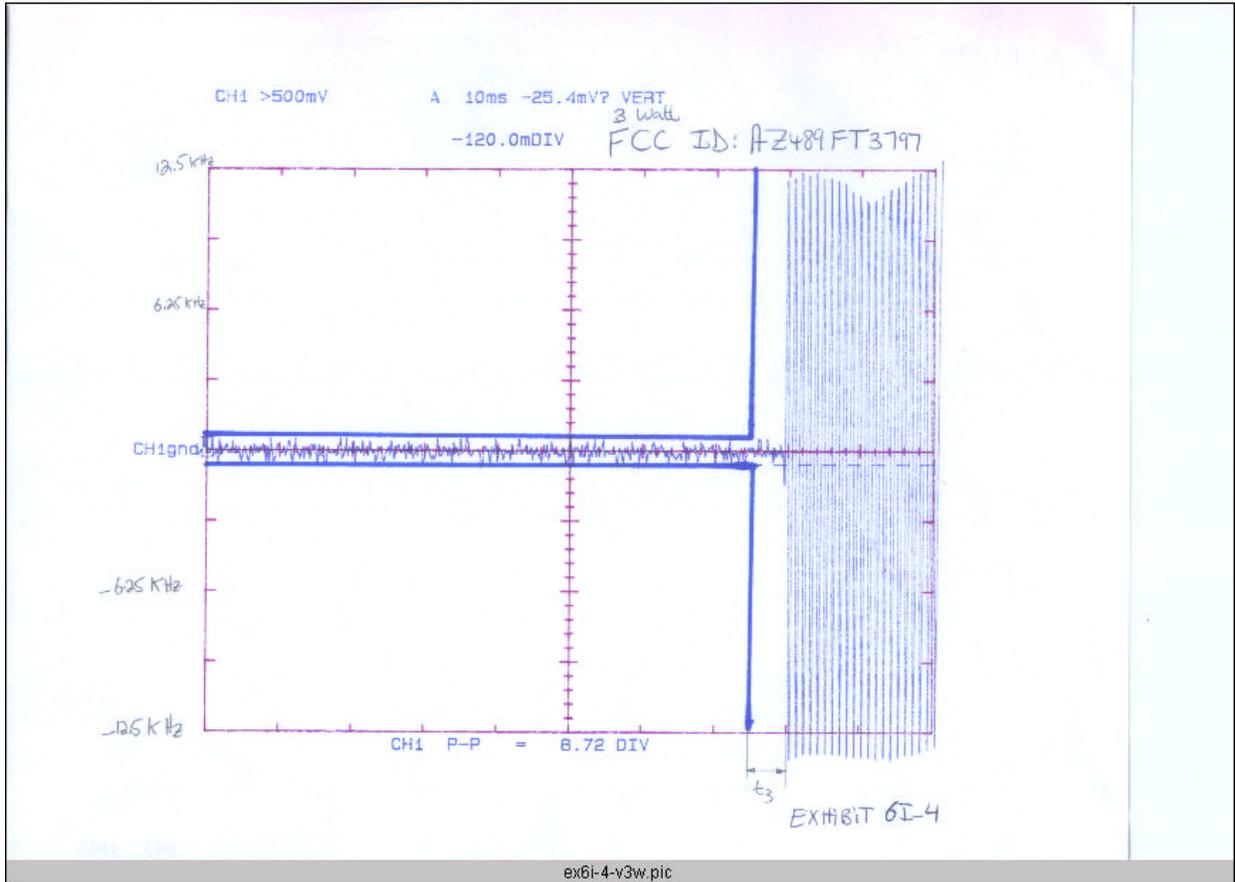
FCC ID: AZ489FT3797





MOTOROLA

FCC ID: AZ489FT3797
EXHIBIT 6I-3

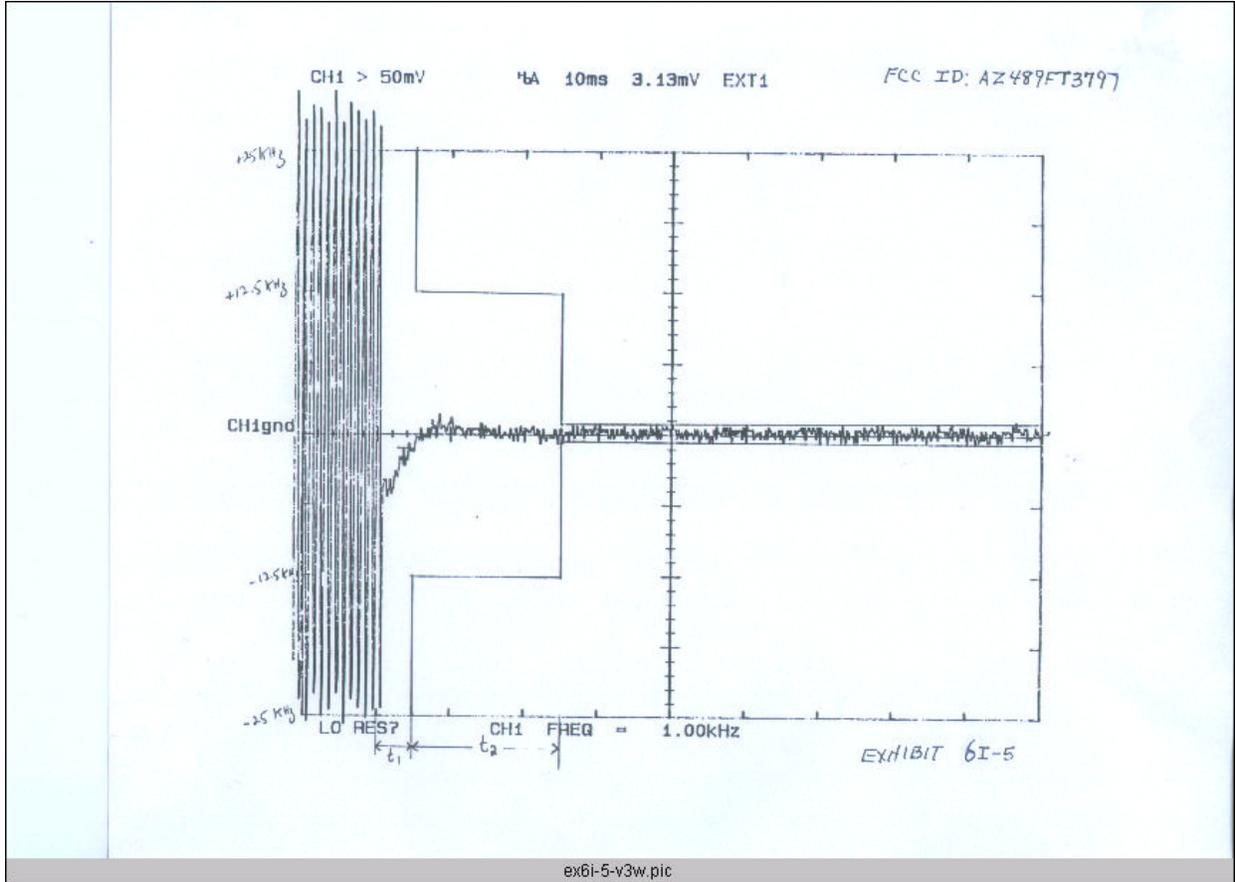




MOTOROLA

FCC ID: AZ489FT3797

EXHIBIT 6I-4

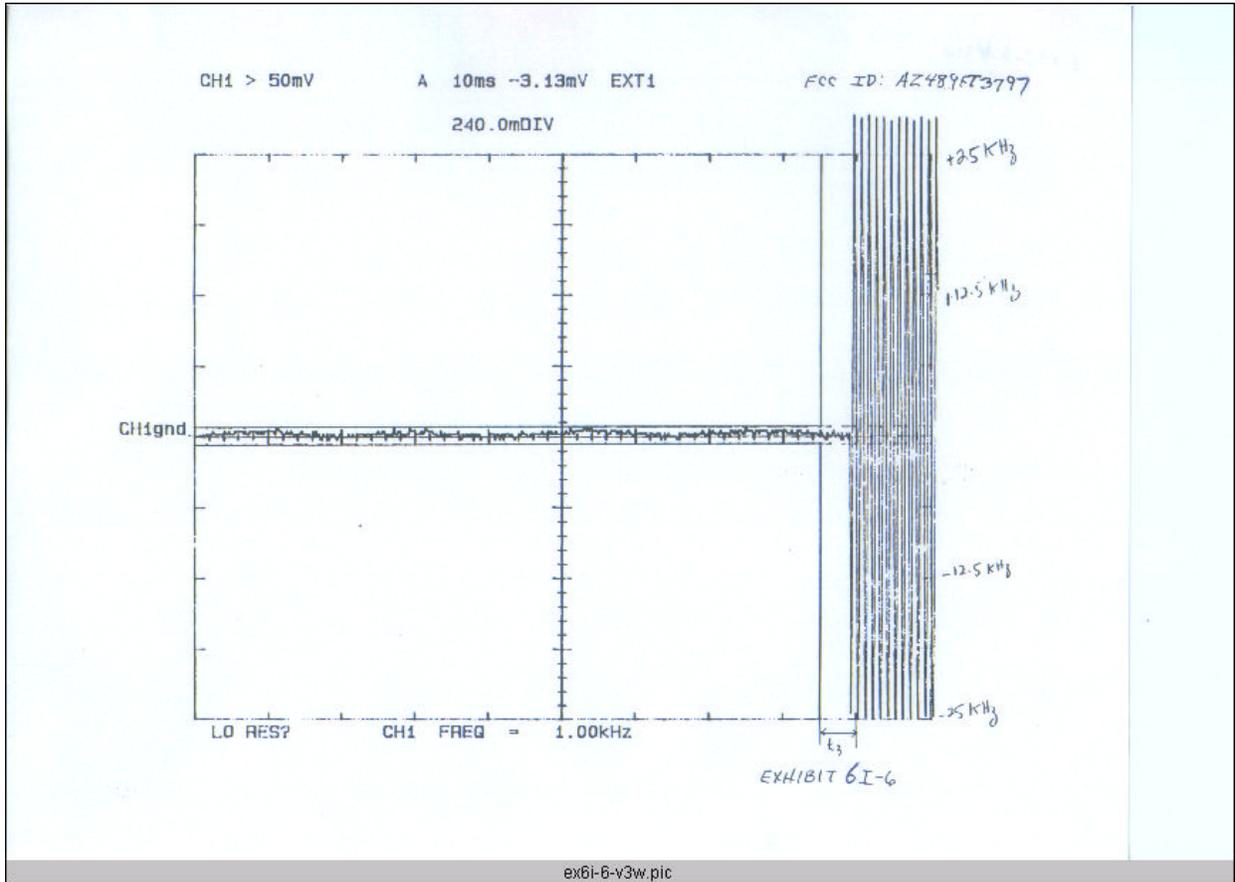




MOTOROLA

FCC ID: AZ489FT3797

EXHIBIT 6I-5





MOTOROLA

FCC ID: AZ489FT3797

EXHIBIT 6I-6