

TEST REPORT

	<u>MEASUREMENT</u>	<u>EXHIBIT</u>	<u>NUMBER OF PAGES</u>
I	RF Power Output	6A1-2	2
II	Audio Response	6B	1
III	Low Pass Filter Response	6C	1
IV	Modulation Limiting A. 12.5 kHz channel spacing case	6D	1
V	Occupied Bandwidth	6E -1	2
VI	Conducted Spurious Emissions	6F 1-2	2
VII	Radiated Spurious Emissions A. Tx Vertical – 0.5 Watt B. Tx Horizontal – 0.5 Watt	6G 6G	2
VIII	Frequency Stability A. Temperature B. Supply Voltage	6H-1 6H-2	1 1

EXHIBIT 6

RF POWER OUTPUT DATA

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

0.5 Watt

Measured RF output	.505	Watts
Nominal DC Voltage	4.0	Volts
Nominal DC Current	450	mA
Primary Supply Voltage	4.0	Volts
Effective Radiated Power (ERP)*	26.3	dBm

- This is a calculated number from graph 6A-1 where it shows an ERP of -11.6 dBm and the anechoic chamber's path loss was measured to be 37.9 dBm.

EXHIBIT: 6A-1

FCC ID: AZ489FT4832

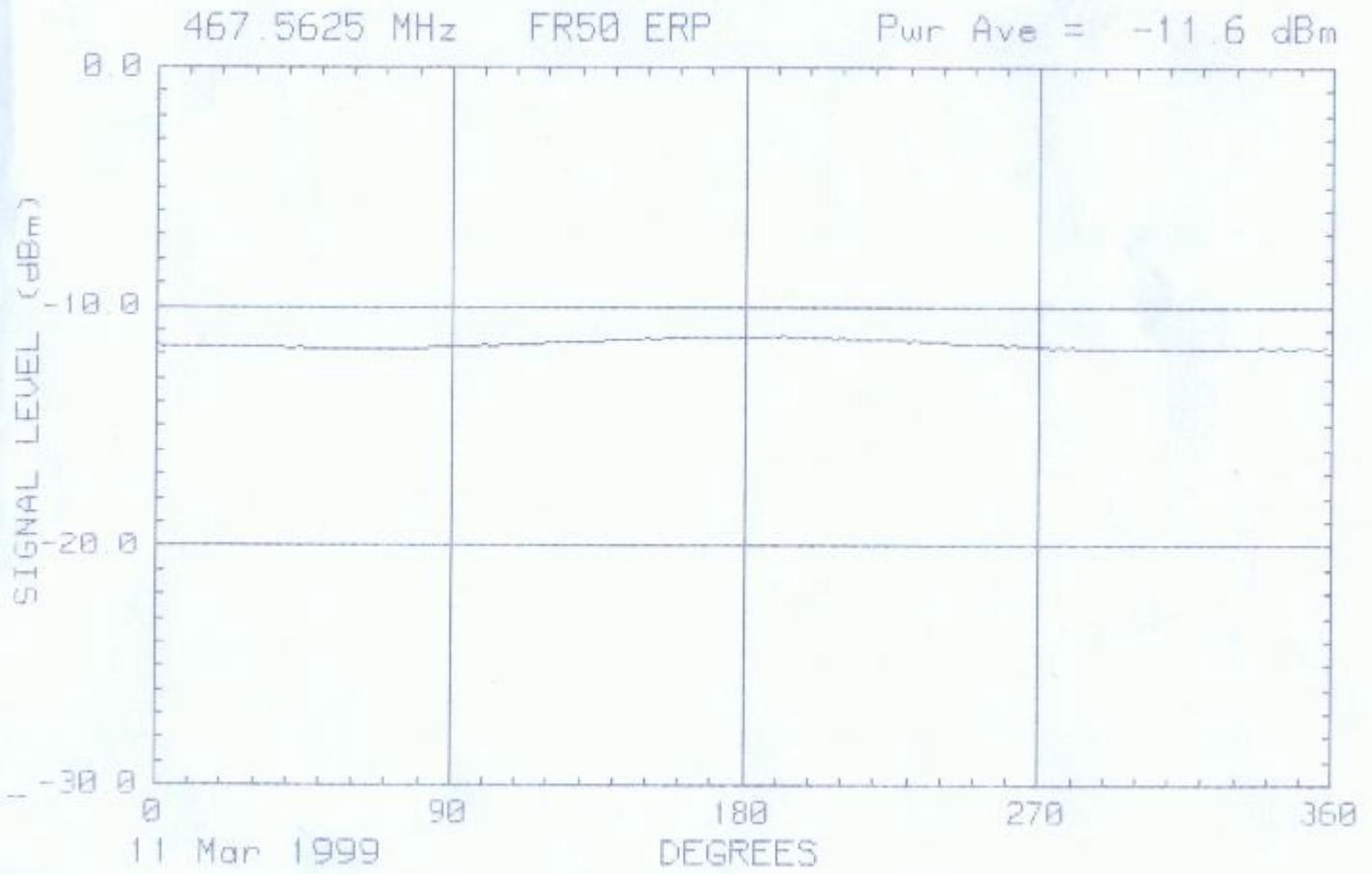
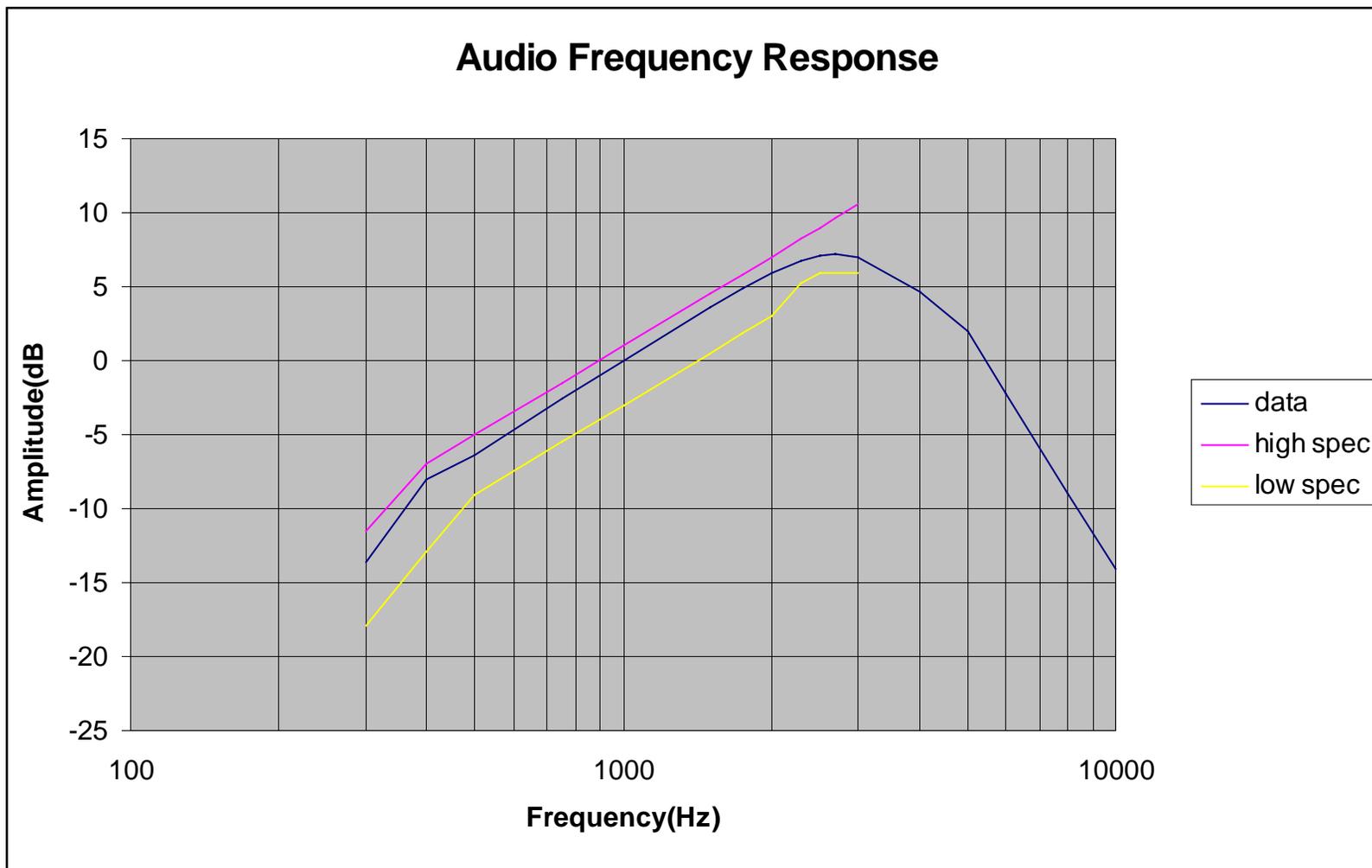
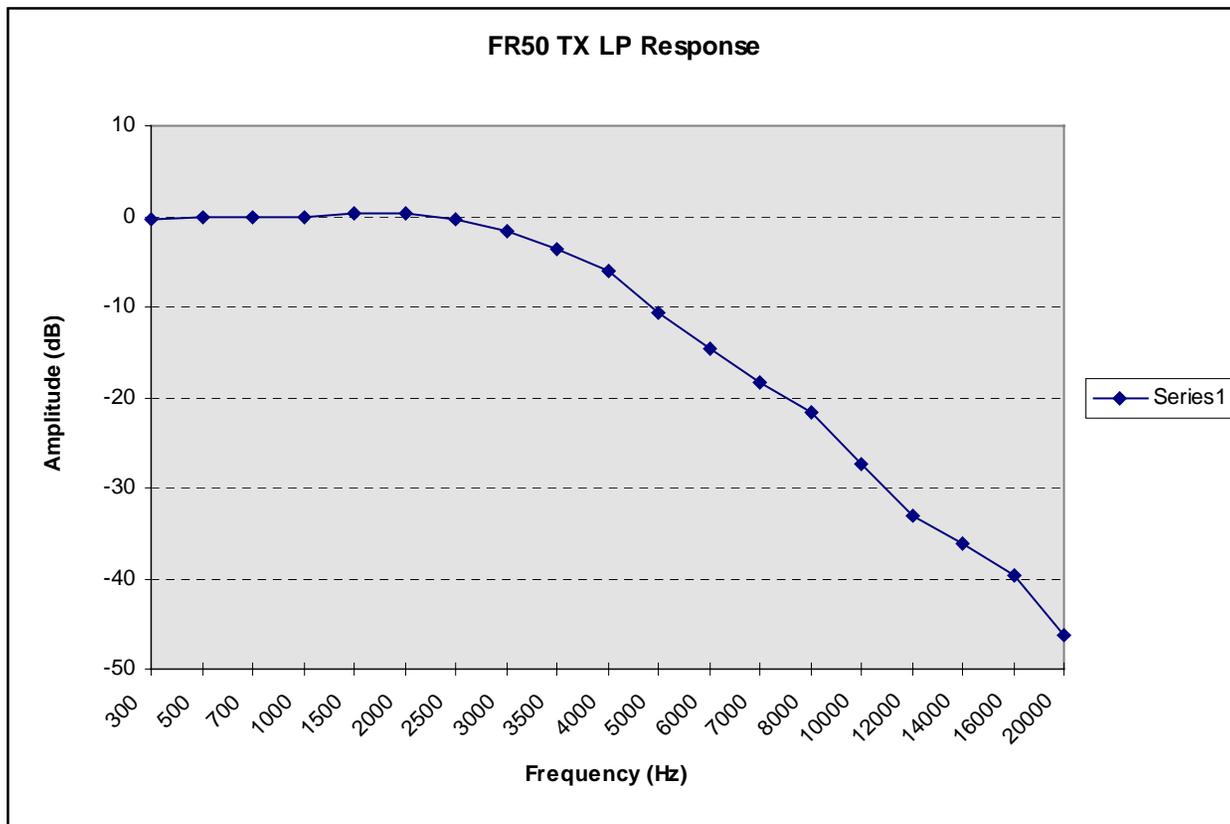


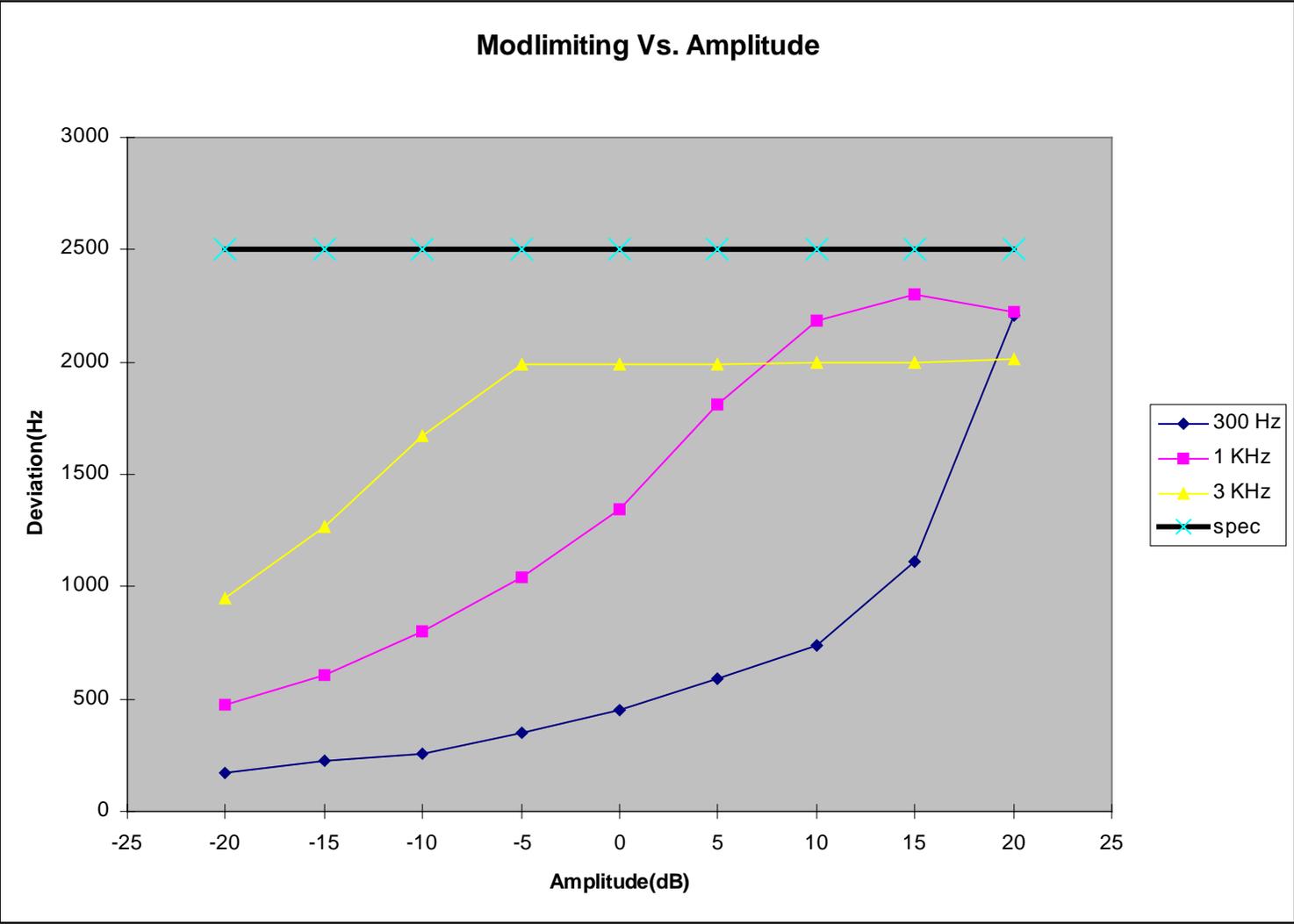
Exhibit 6A-2





From 10 kHz to 20 kHz was in the noise floor of instrument.

EXHIBIT 6C



OCCUPIED BANDWIDTH DATA

12.5 kHz Channel Spacing

EXHIBIT 6E-2

2500 Hz Audio Modulation

Emission Type: 11K0F3E

Horizontal: 10 kHz/Div.

Vertical: 10 dB/Div.

Carrier Ref: 0 dB

Specification Mask per FCC Rule Part 95.635.

CARSON'S RULE

11K0F3E:

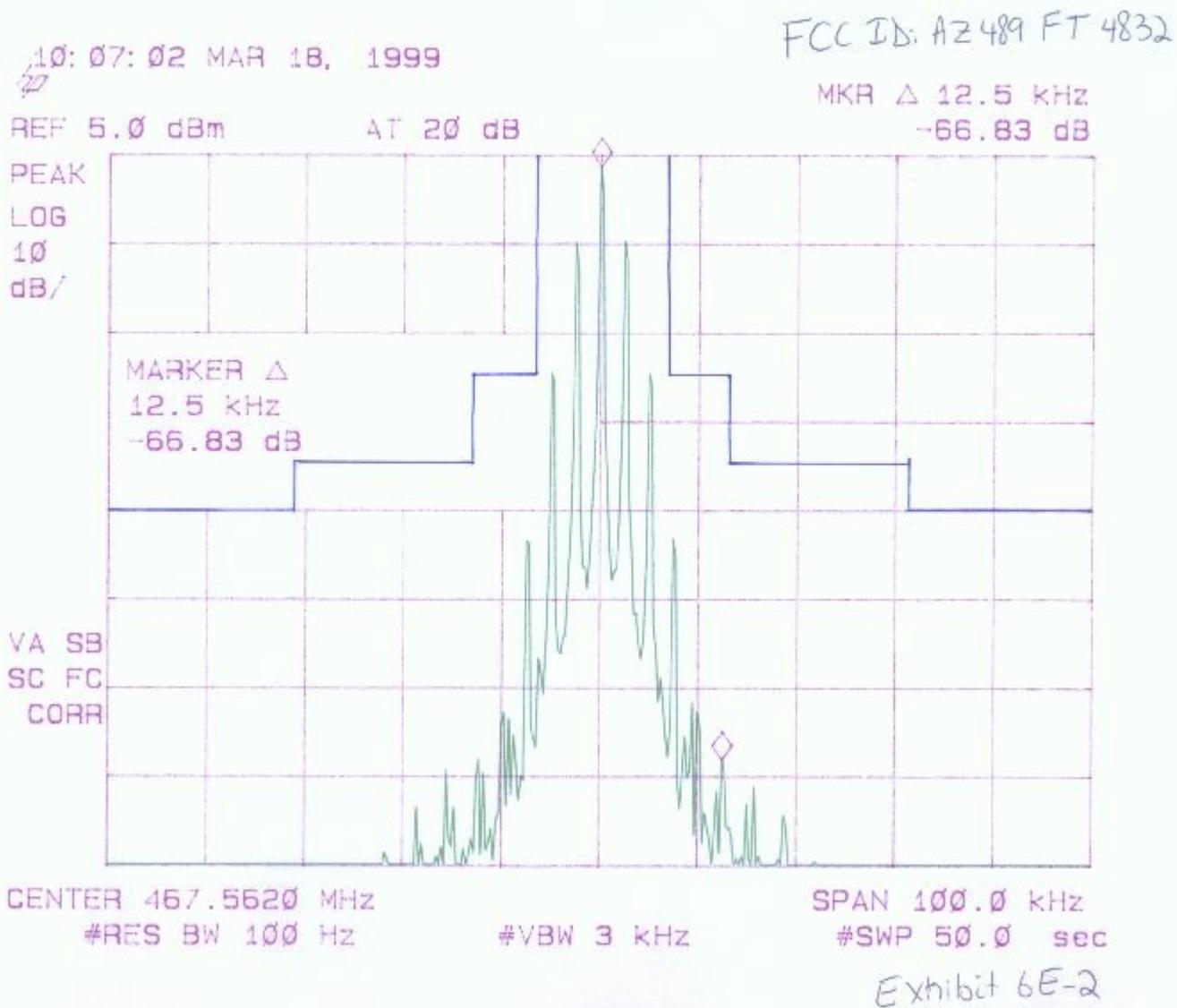
$BW = 2(M + D)$

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

$BW = 2 (5.5)$

$BW = 11 \text{ kHz}$

EXHIBIT 6E-1



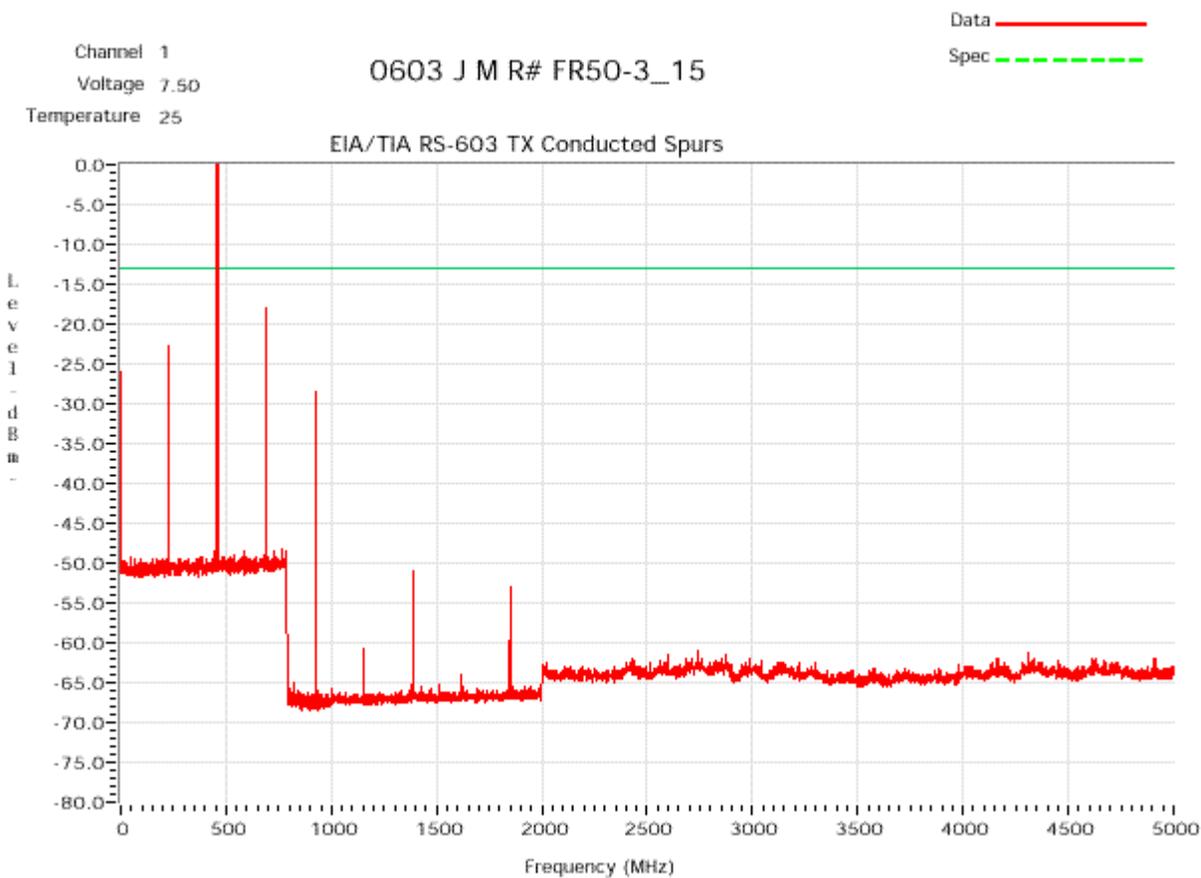


EXHIBIT 6F-1

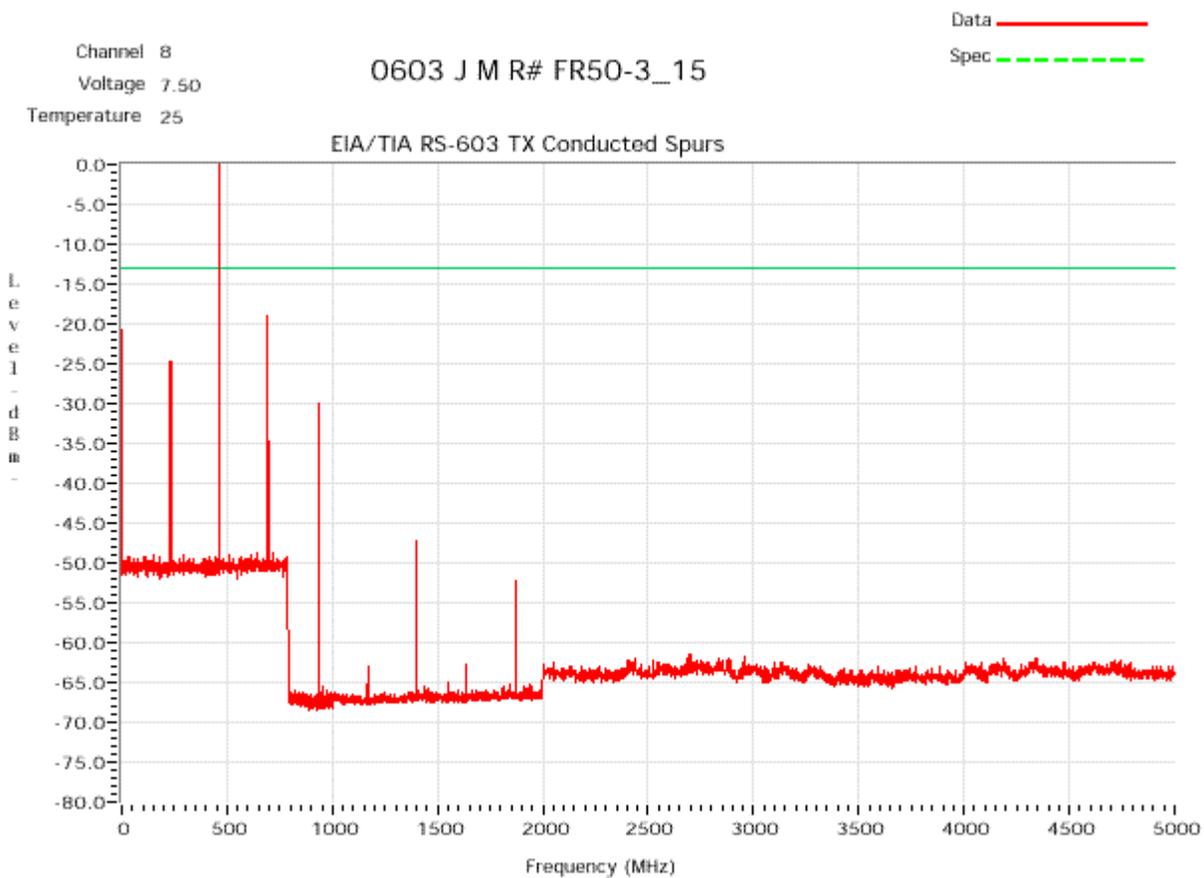
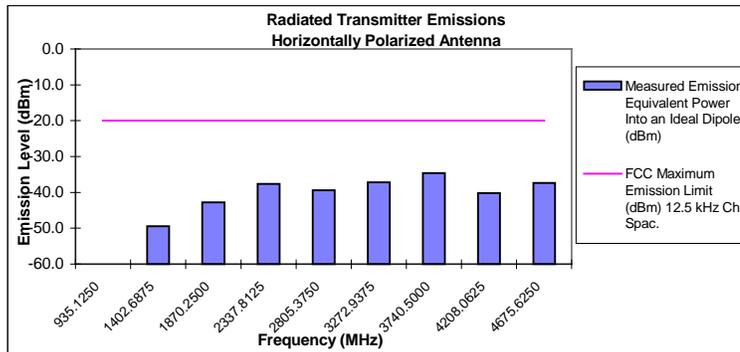


EXHIBIT 6F-2

**Transmitter Radiated Spurious Emissions: FR50
467.5625 MHz - 0.5 W - 12.5 kHz CH. Spacing**

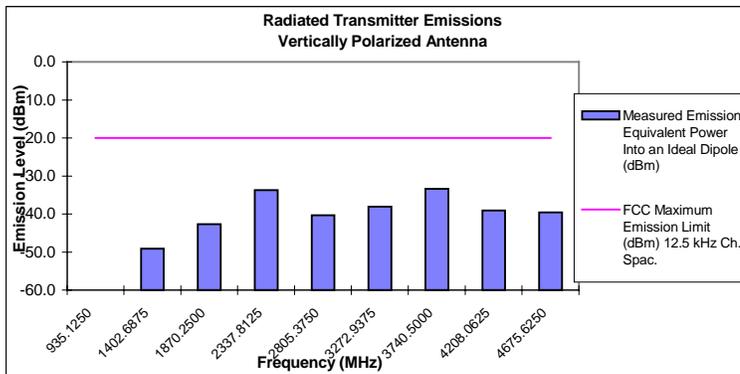
Horizontally Polarized

	Frequency (MHz)	FCC Maximum Emission Limit (dBm) 12.5 kHz Ch. Spac.	Measured Emission Equivalent Power Into an Ideal Dipole (dBm)
2X FUND	935.1250	-20	*
3X FUND	1402.6875	-20	-49.4
4X FUND	1870.2500	-20	-42.7
5X FUND	2337.8125	-20	-37.7
6X FUND	2805.3750	-20	-39.4
7X FUND	3272.9375	-20	-37.3
8X FUND	3740.5000	-20	-34.6
9X FUND	4208.0625	-20	-40.2
10XFUND	4675.6250	-20	-37.4

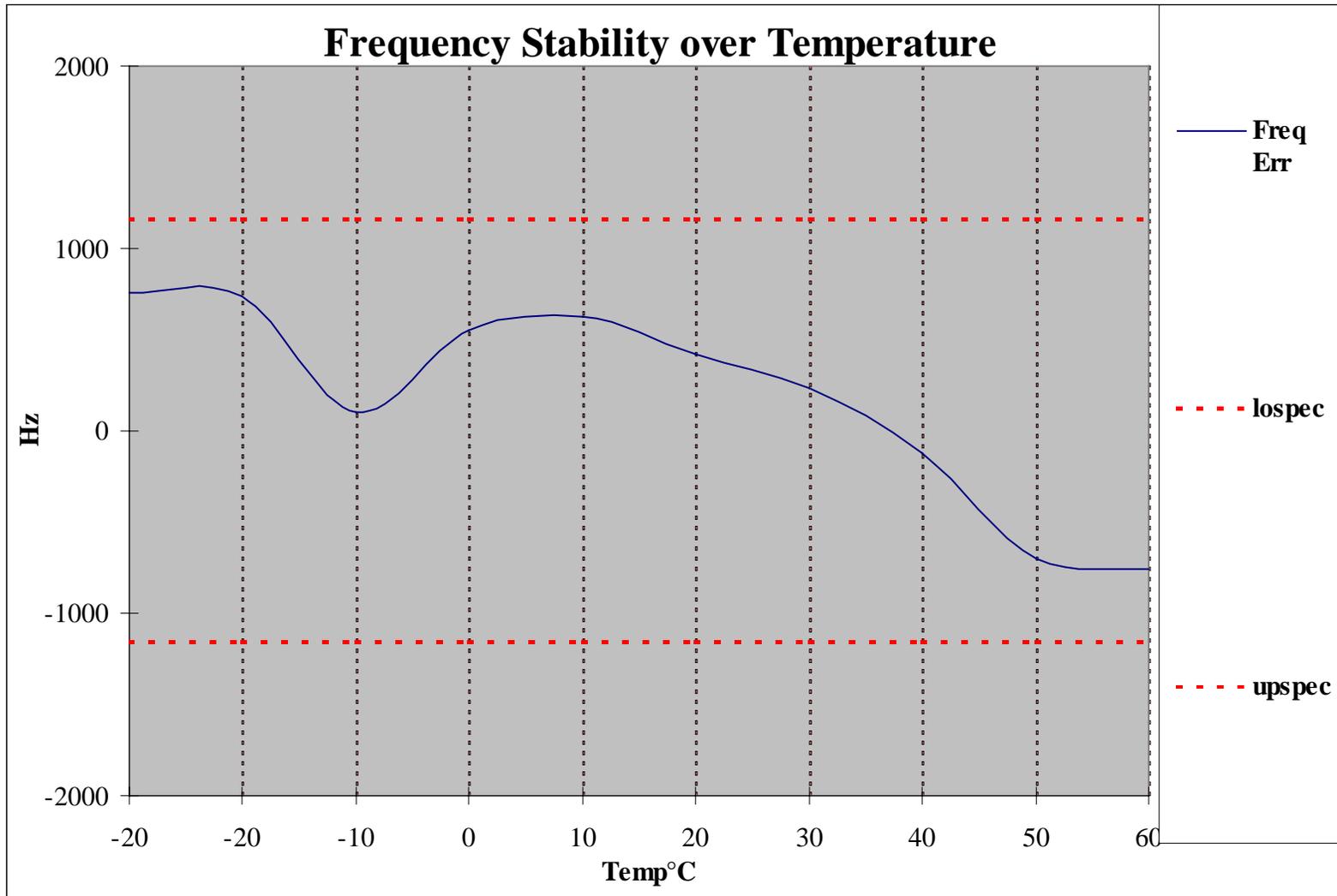


Vertically polarized

	Frequency (MHz)	FCC Maximum Emission Limit (dBm) 12.5 kHz Ch. Spac.	Measured Emission Equivalent Power Into an Ideal Dipole (dBm)
2X FUND	935.1250	-20	*
3X FUND	1402.6875	-20	-49.1
4X FUND	1870.2500	-20	-42.7
5X FUND	2337.8125	-20	-33.7
6X FUND	2805.3750	-20	-40.3
7X FUND	3272.9375	-20	-38.1
8X FUND	3740.5000	-20	-33.4
9X FUND	4208.0625	-20	-39.1
10XFUND	4675.6250	-20	-39.6



* Indicates the spurious emission was less than -60dBm or could not be detected due to noise limitations or ambients.



Radio resets at 3.3 Volts.

EXHIBIT 6H-1

EXHIBIT 6H-2

