

SUBMITTED MEASURED DATA

	<u>MEASUREMENT</u>	<u>EXHIBIT</u>	<u># of PAGES</u>
I	RF Power Output	9A	2
II	Audio Response	9B	1
III	Low Pass Filter Response	9C	2
IV	Modulation Limiting	9D	1
V	Occupied Bandwidth	9E	3
VI	Conducted Spurious Emissions *	9F *	2
VII	Radiated Spurious Emissions		
	C. Tx Vertical - 0.5 Watt	9G	2
	D. Tx Horizontal - 0.5 Watt	9G	2
VIII	Frequency Stability		
	A. Temperature	9H	1
	B. Supply Voltage	9H	1

- Due to this product having an integral non-removable antenna, this data is not required but was taken and submitted to reassure the FCC that the device does not have any potential spurious emission problems.

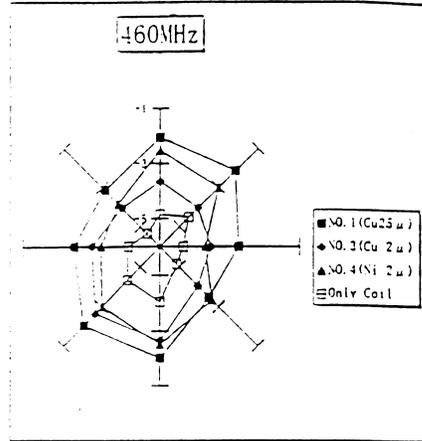
EXHIBIT 9

RF POWER OUTPUT DATA

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

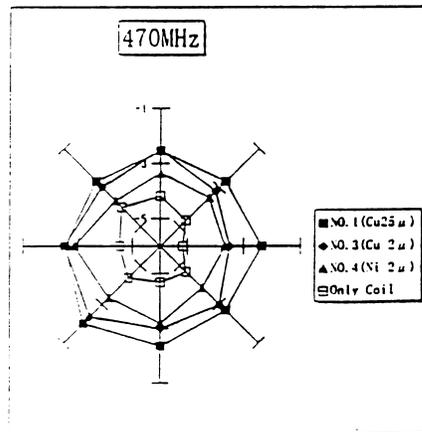
Measured RF output	0.5	Watt
Normal DC Voltage	4.5	Volts
Normal DC Current	538	mA
Primary Supply Voltage	4.50	Volts

DEGREE	NO. 1 (Cu 25 μ)	NO. 3 (Cu 2 μ)	NO. 4 (Ni 2 μ)	Only Coil
0	-2.05	-3.65	-2.62	-4.85
45	-2.15	-4.05	-3.02	-4.52
90	-3.15	-4.15	-4.35	-5.15
135	-3.49	-4.05	-3.05	-5.15
180	-3.02	-2.65	-2.62	-4.05
225	-2.05	-2.65	-3.02	-4.35
270	-3.15	-3.62	-3.65	-4.85
315	-3.15	-4.05	-3.65	-5.05
AVERAGE	-2.61	-3.6	-3.01	-4.73



470MHz UNIT: dBi

DEGREE	NO. 1 (Cu 25 μ)	NO. 3 (Cu 2 μ)	NO. 4 (Ni 2 μ)	Only Coil
0	-2.53	-2.51	-3.35	-4.18
45	-2.68	-3.15	-3.51	-4.68
90	-2.35	-3.51	-3.68	-5.18
135	-2.68	-2.99	-3.95	-4.68
180	-2.35	-2.99	-3.19	-4.68
225	-2.01	-2.35	-3.34	-4.35
270	-2.51	-2.51	-2.95	-4.52
315	-2.68	-2.99	-3.68	-4.01
AVERAGE	-2.47	-2.97	-3.43	-4.53



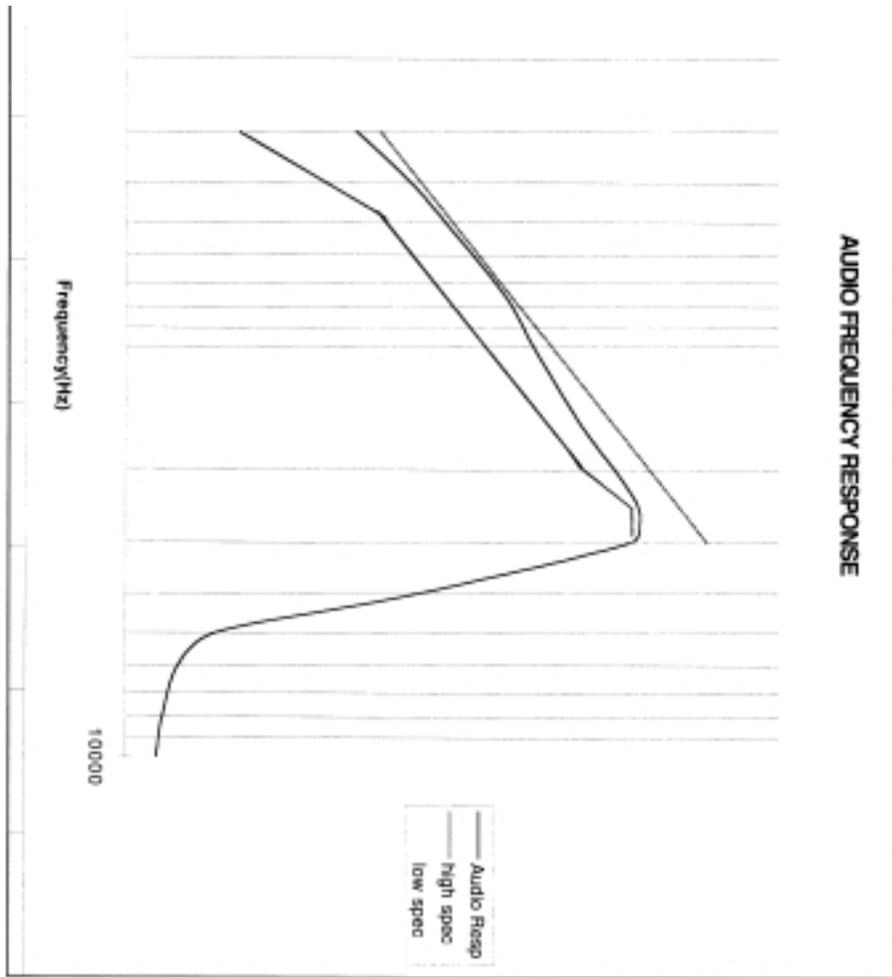


EXHIBIT 9B

Response limited by Transmitter Hum and Noise.

FCCID : AZ489FT4827

Post Limiter Response vs. Frequency

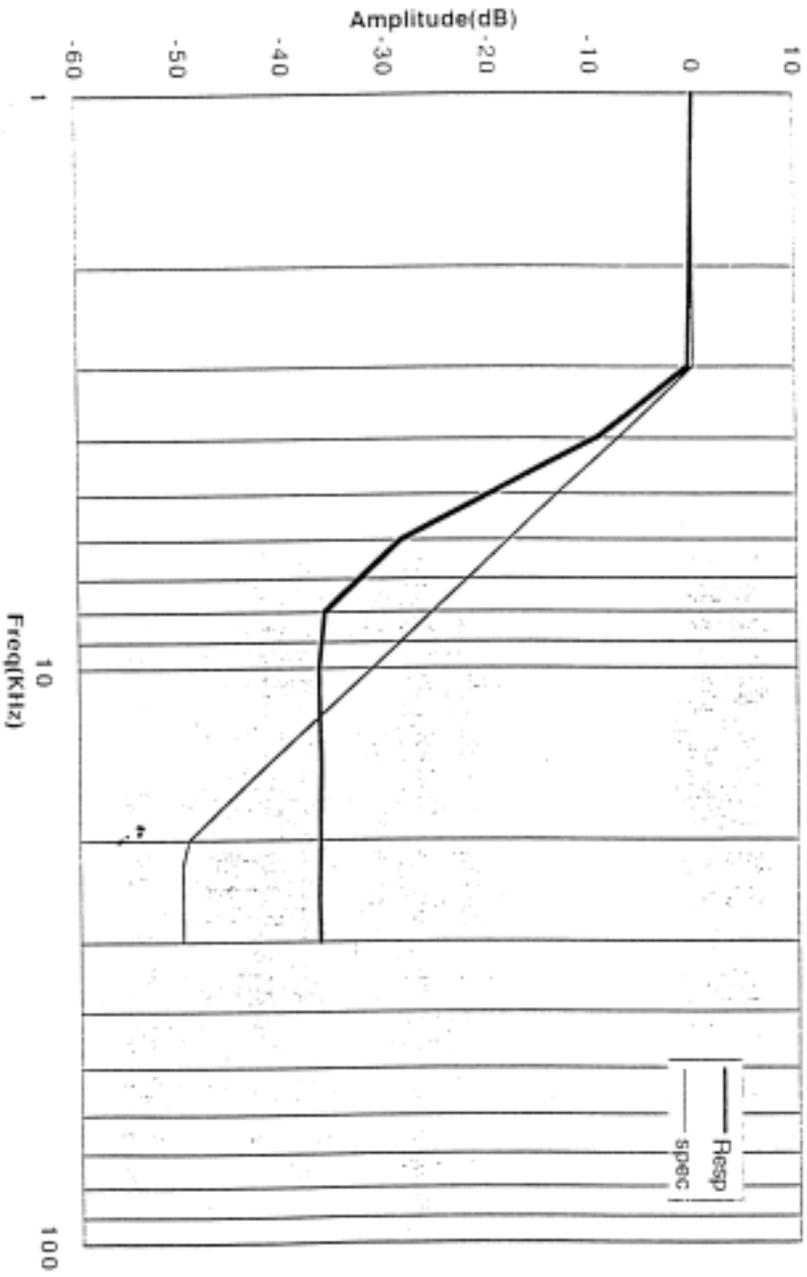


EXHIBIT 12 for cause of failure.

EXH T9C

Applicant: Motorola Inc.

Equipment Type: ABZ99FT4070

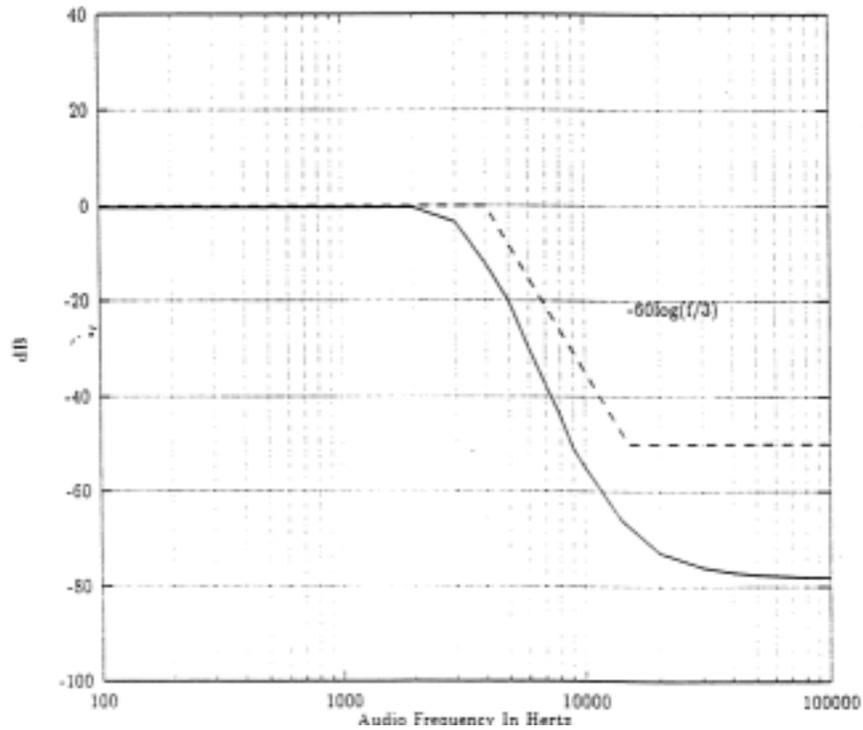
MOTOROLA INC.

Transmitter

POST-LIMITER AUDIO ROLL OFF FILTER RESPONSE

FILTER OUTPUT vs. AUDIO FREQUENCY

Reference ABZ99FT4070
Method SEE EXHIBIT 9L
Date 4/29/96
Signature L. Young



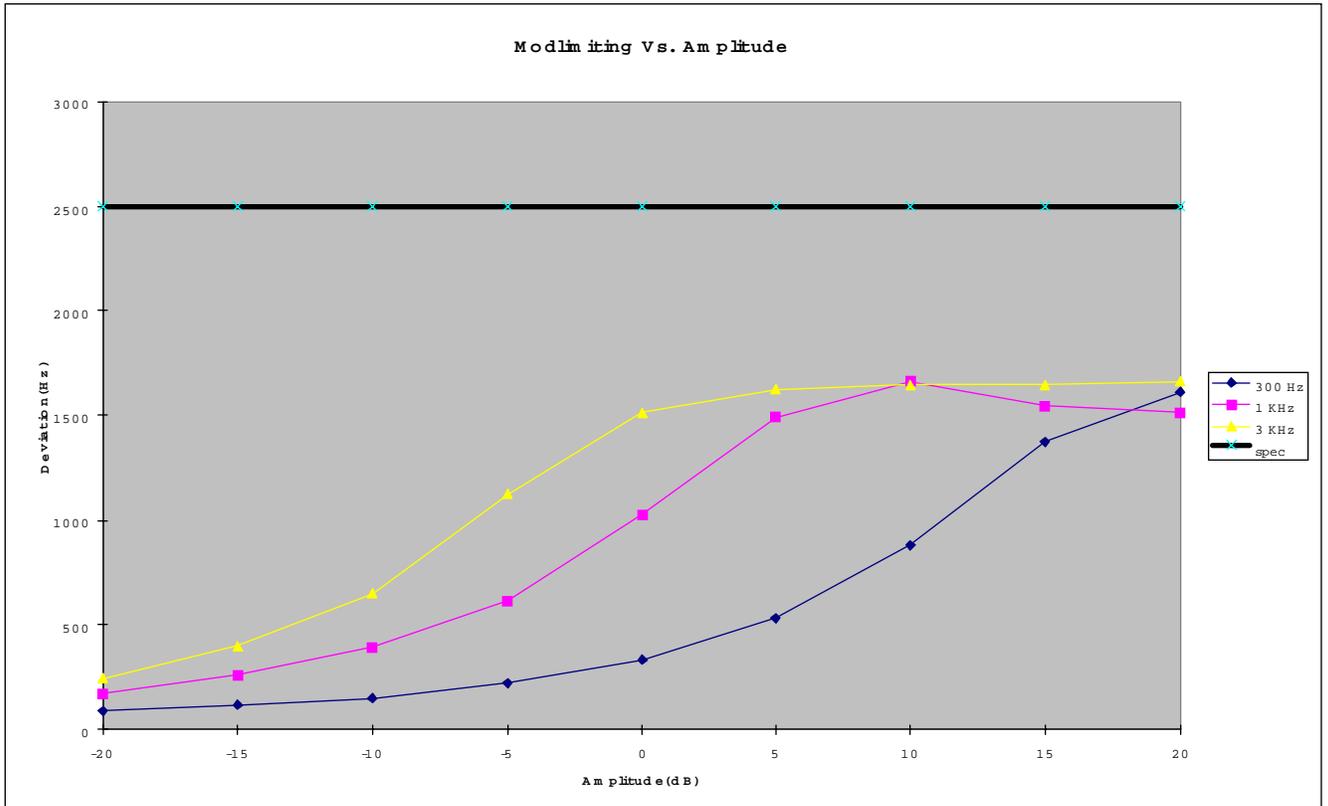


EXHIBIT 9D

OCCUPIED BANDWIDTH DATA

EXHIBIT 9E-1
2500 Hz Audio Modulation
Emission Type: 11K0F3E
Horizontal: 5 kHz/Div.
Vertical: 10 dB/Div.
Carrier Ref: 0 dB

EXHIBIT 9E-2
2500 Hz & 77 Hz Tone "PL" Modulation
Emission Type: 11K0F3E
Horizontal: 5 kHz/Div.
Vertical: 10 dB/Div.
Carrier Ref: 0 dB

CARSON'S RULE

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

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

$$BW = 2 (5.5)$$

$$BW = 11K0$$

EXHIBIT 9E

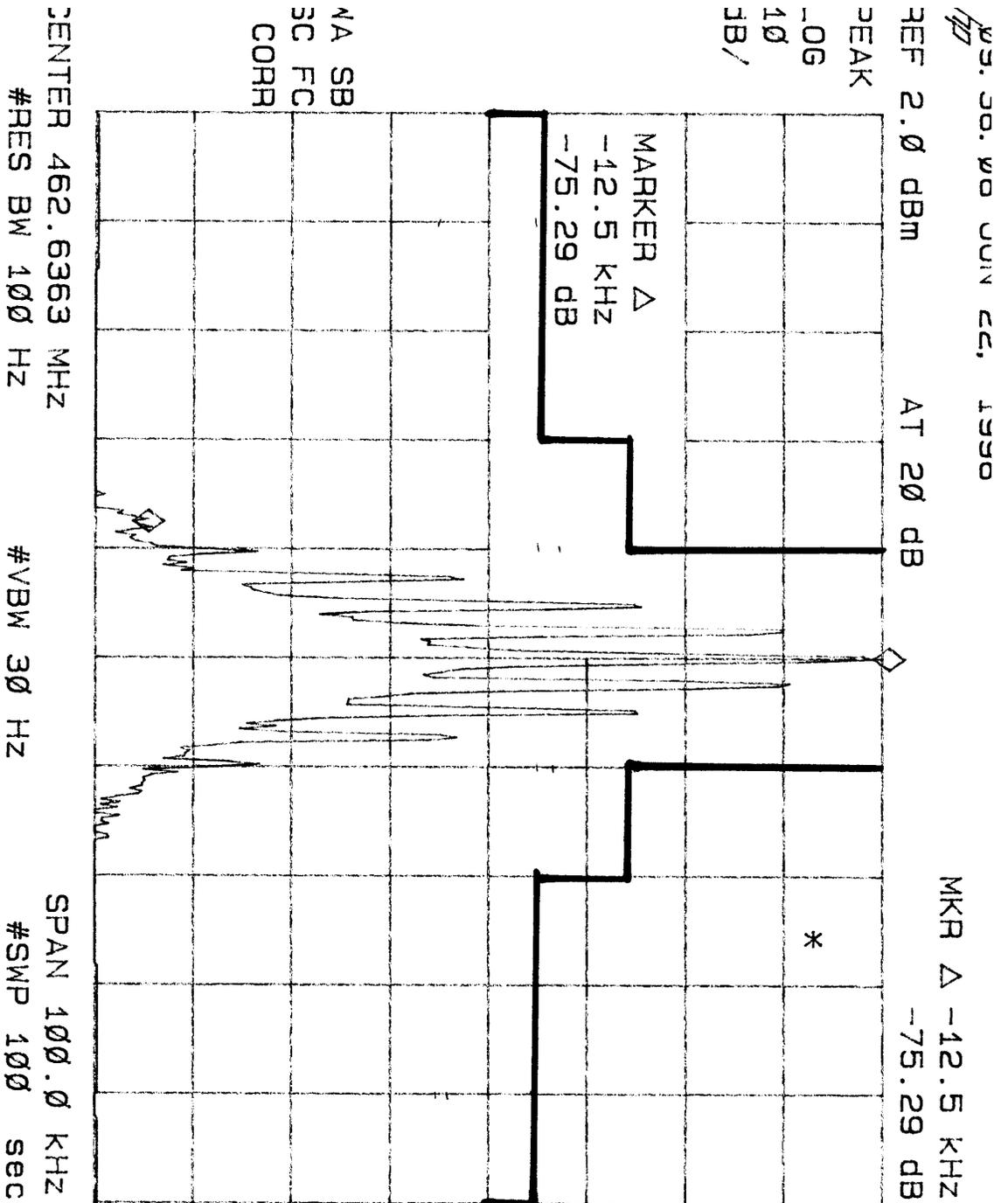


EXHIBIT 9E-1

10 JUN 22, 1998

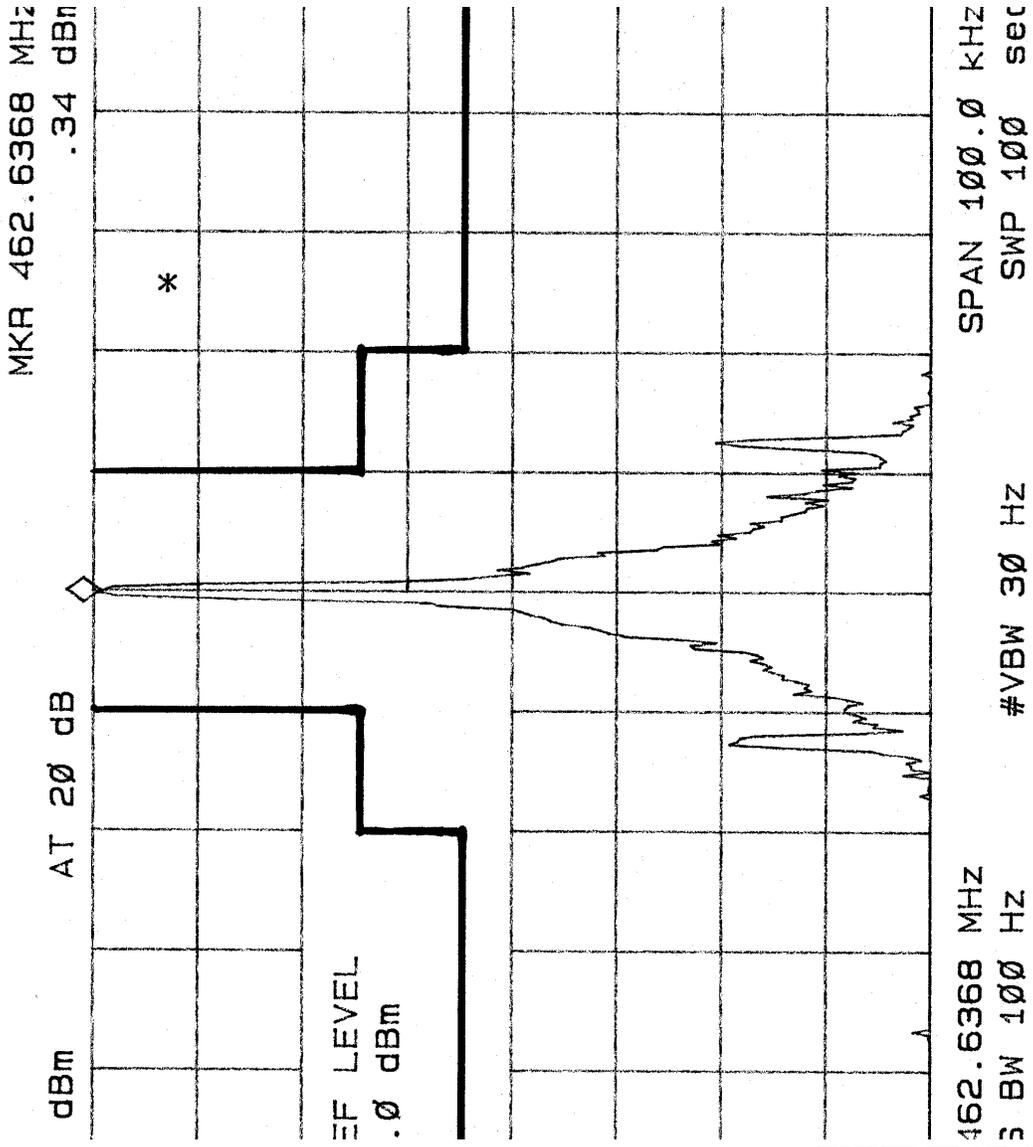


EXHIBIT 9E-2

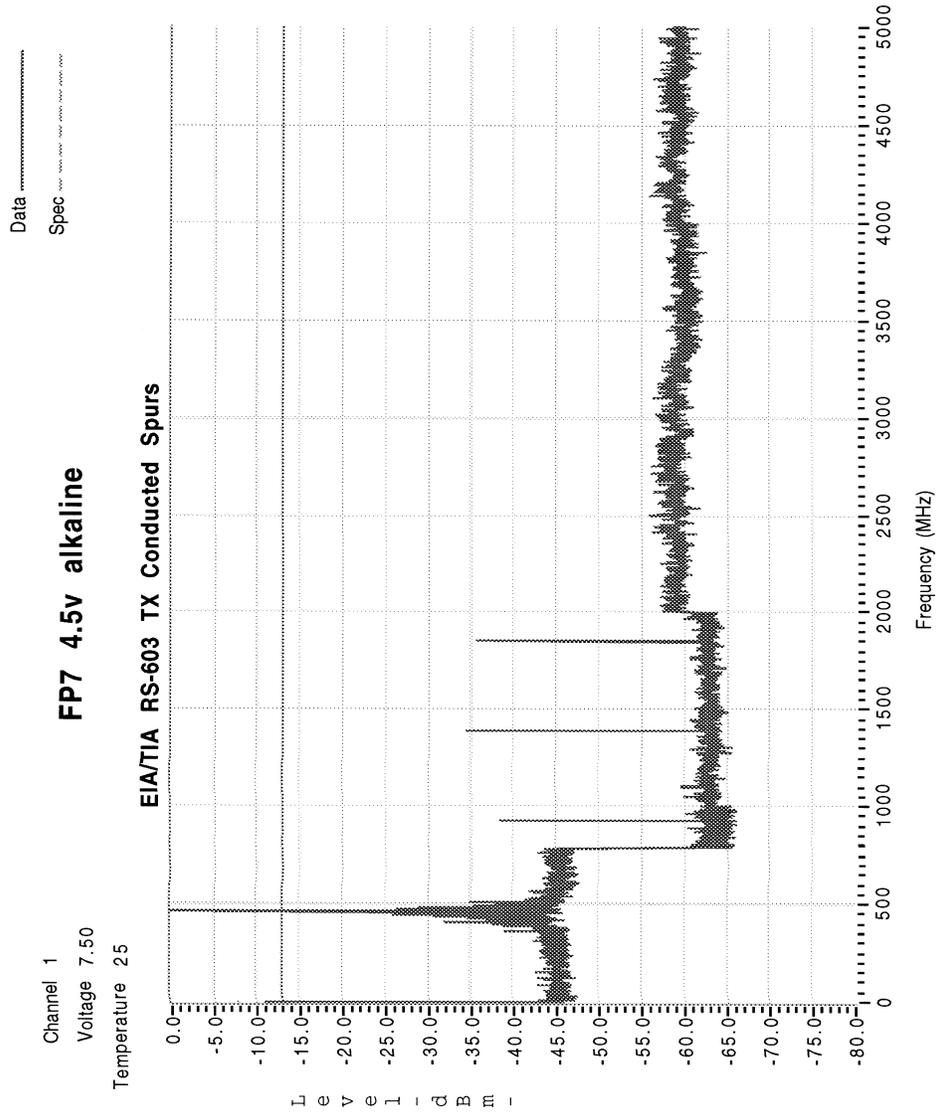
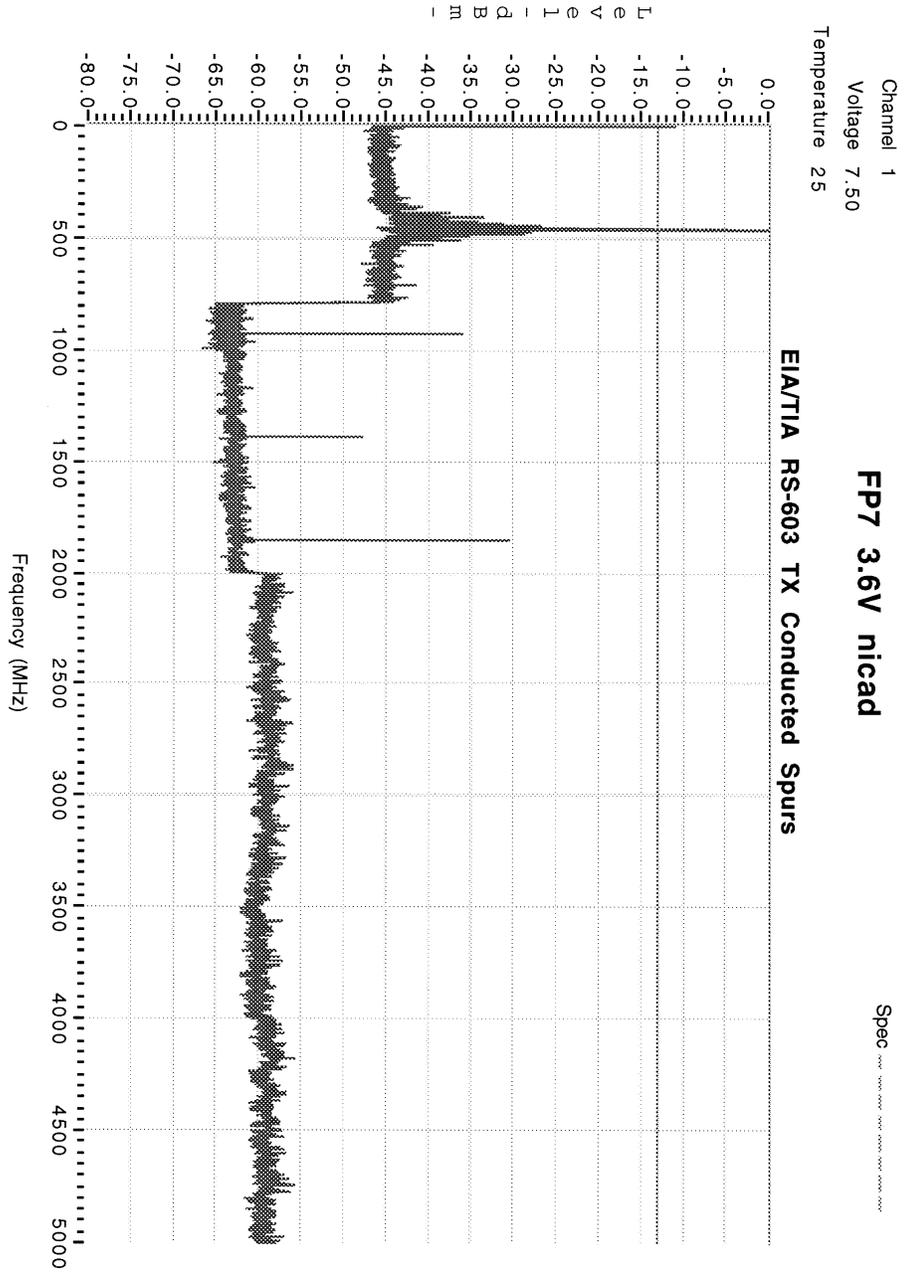


EXHIBIT 9F-1



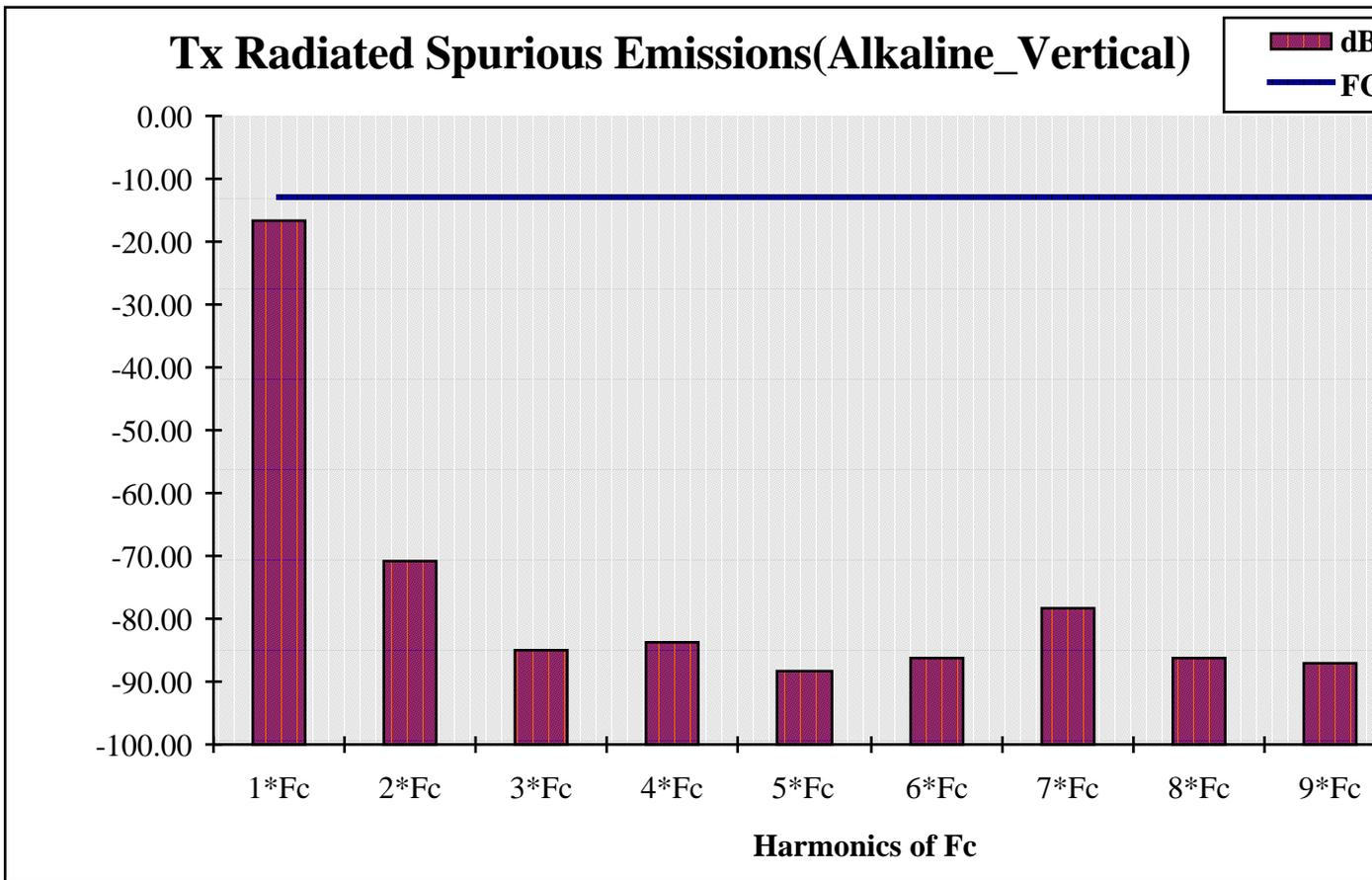


EXHIBIT 9G-1

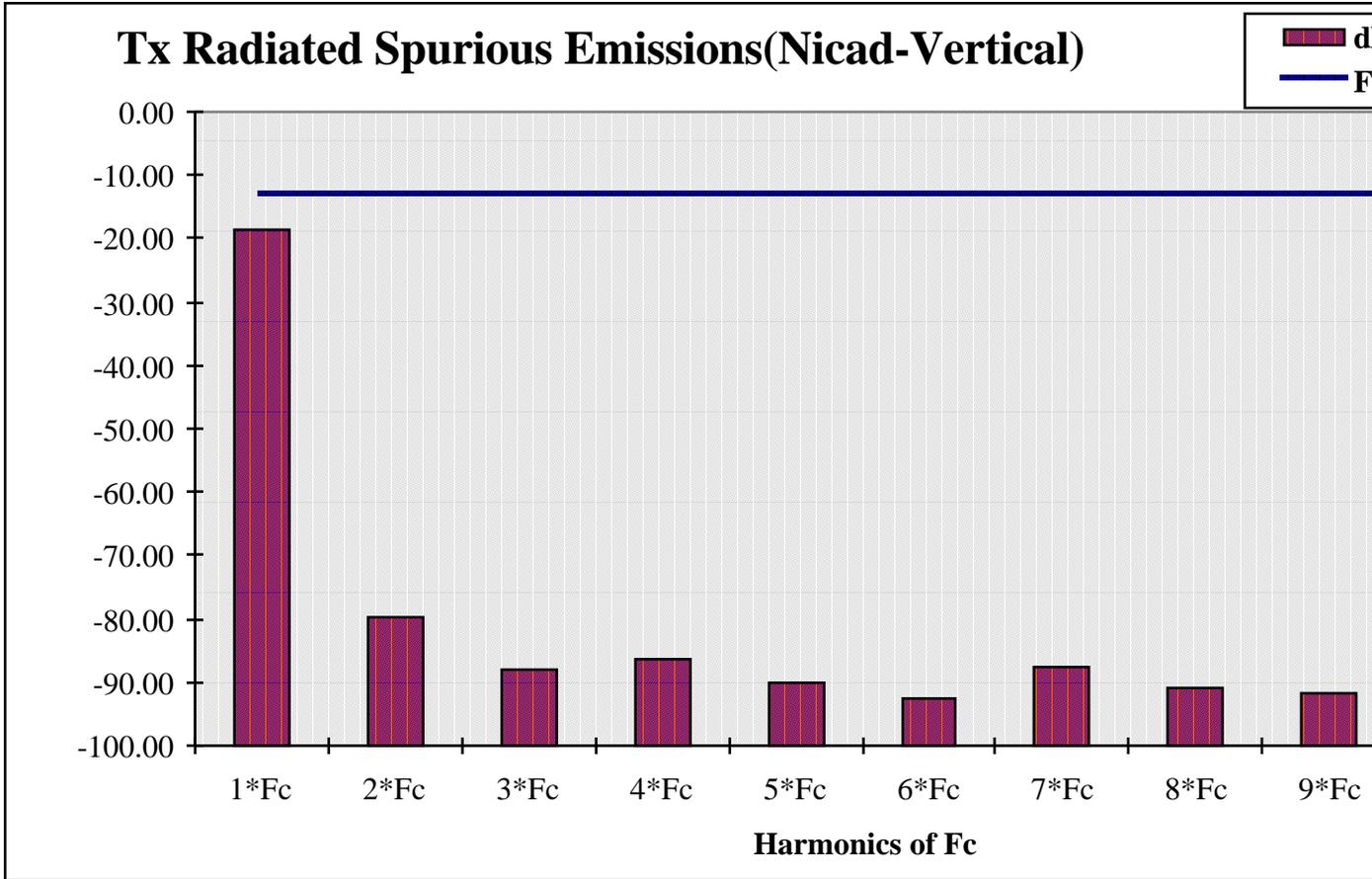


EXHIBIT 9G-2

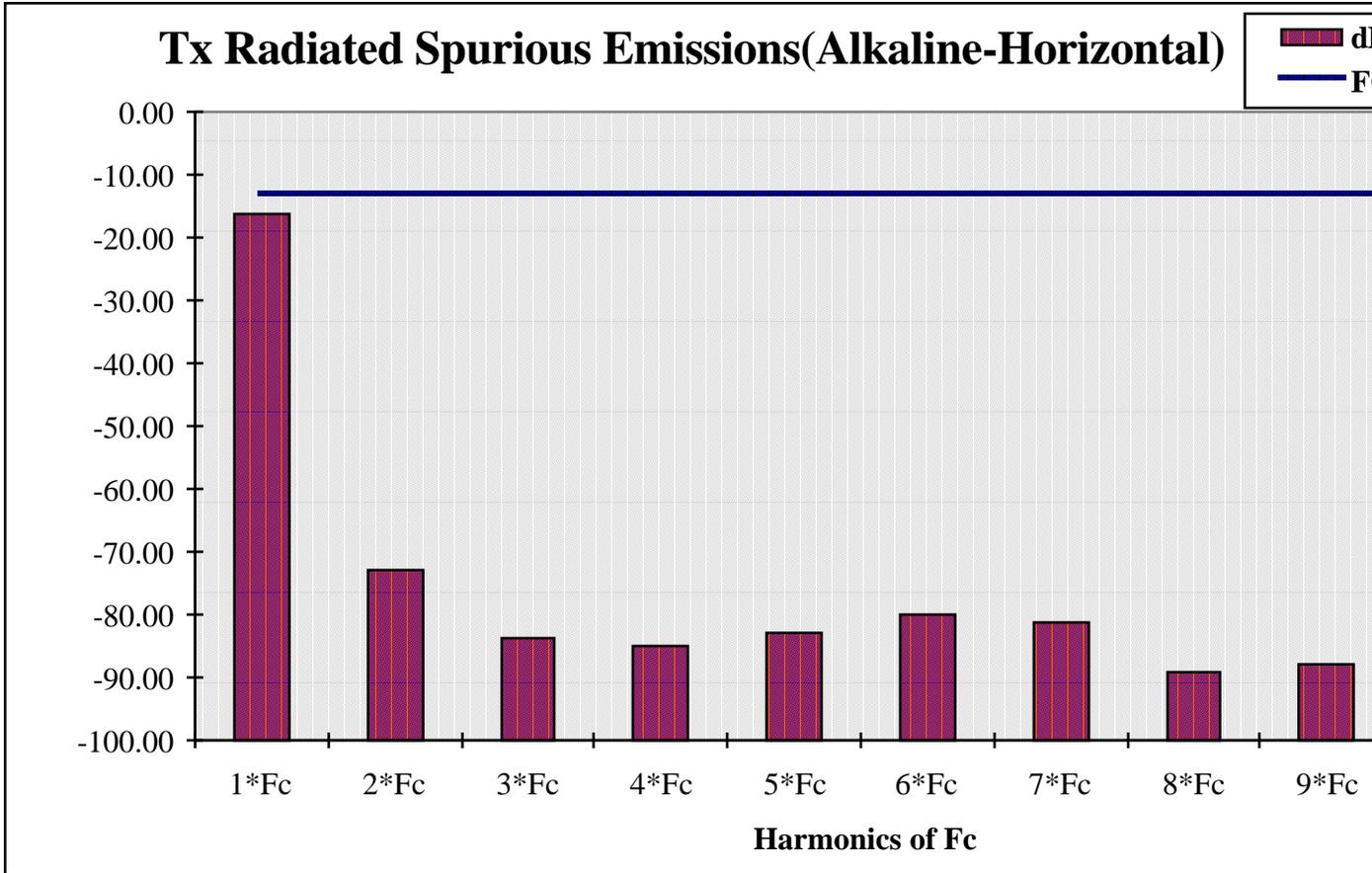


EXHIBIT 9G-3

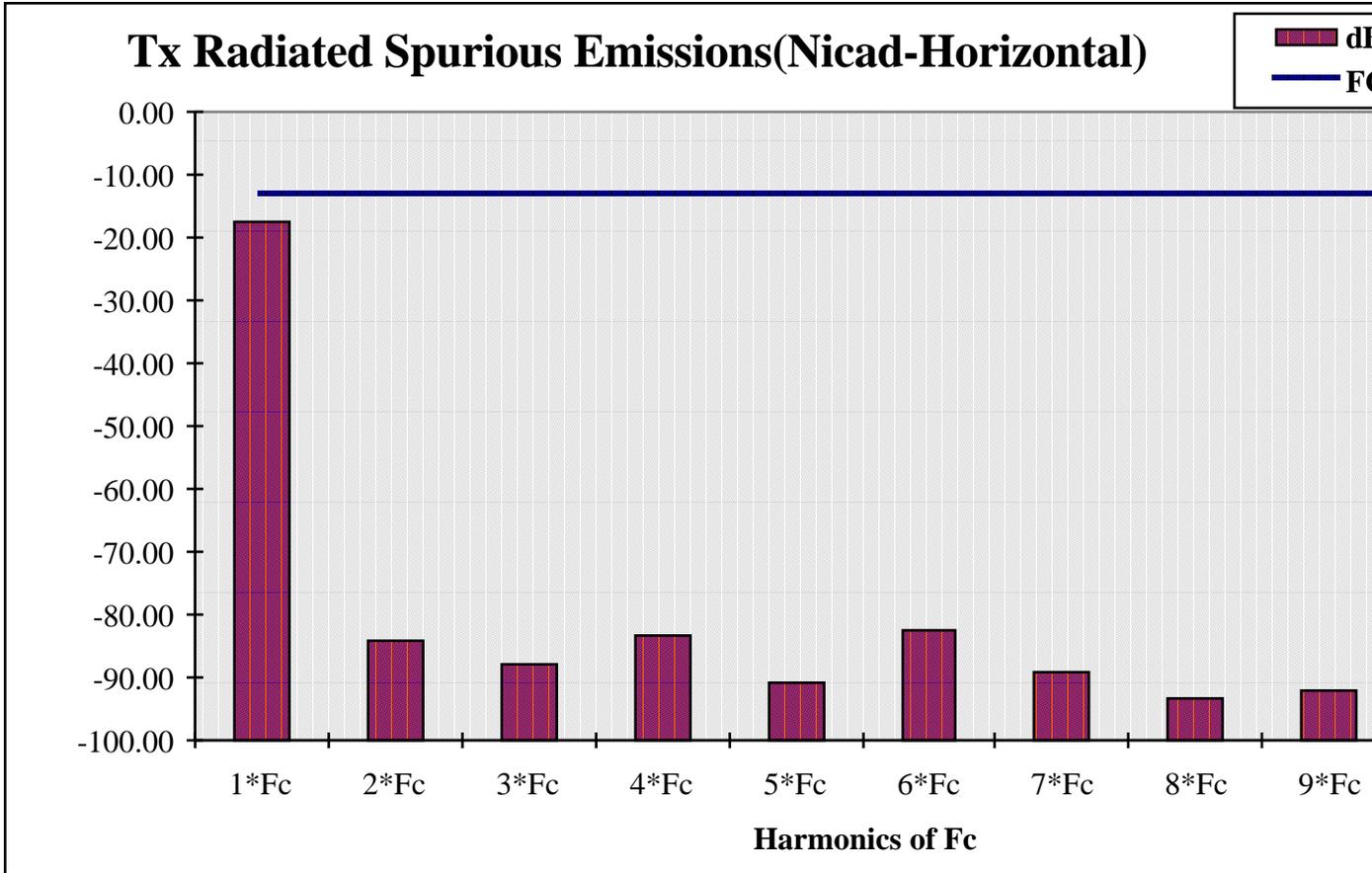


EXHIBIT 9G-4

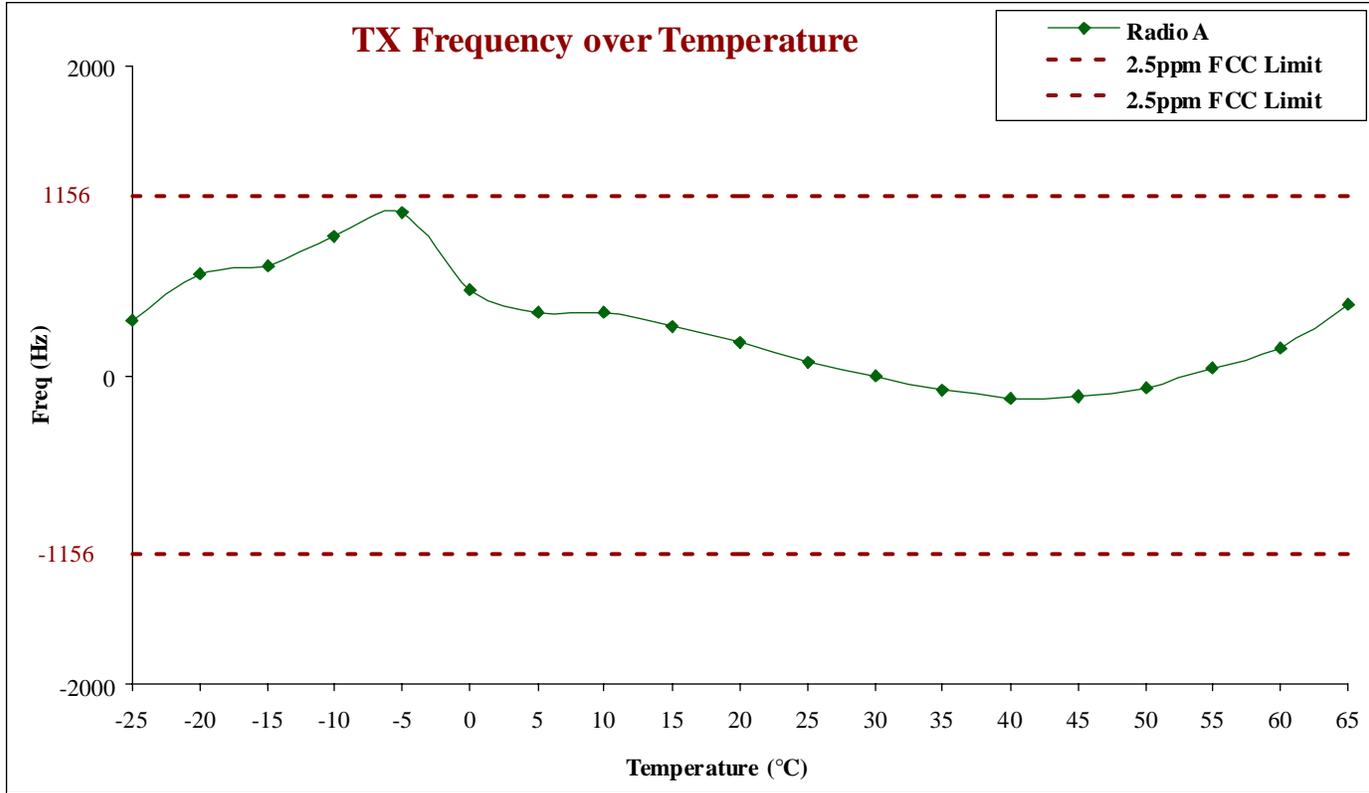


EXHIBIT 9H-1

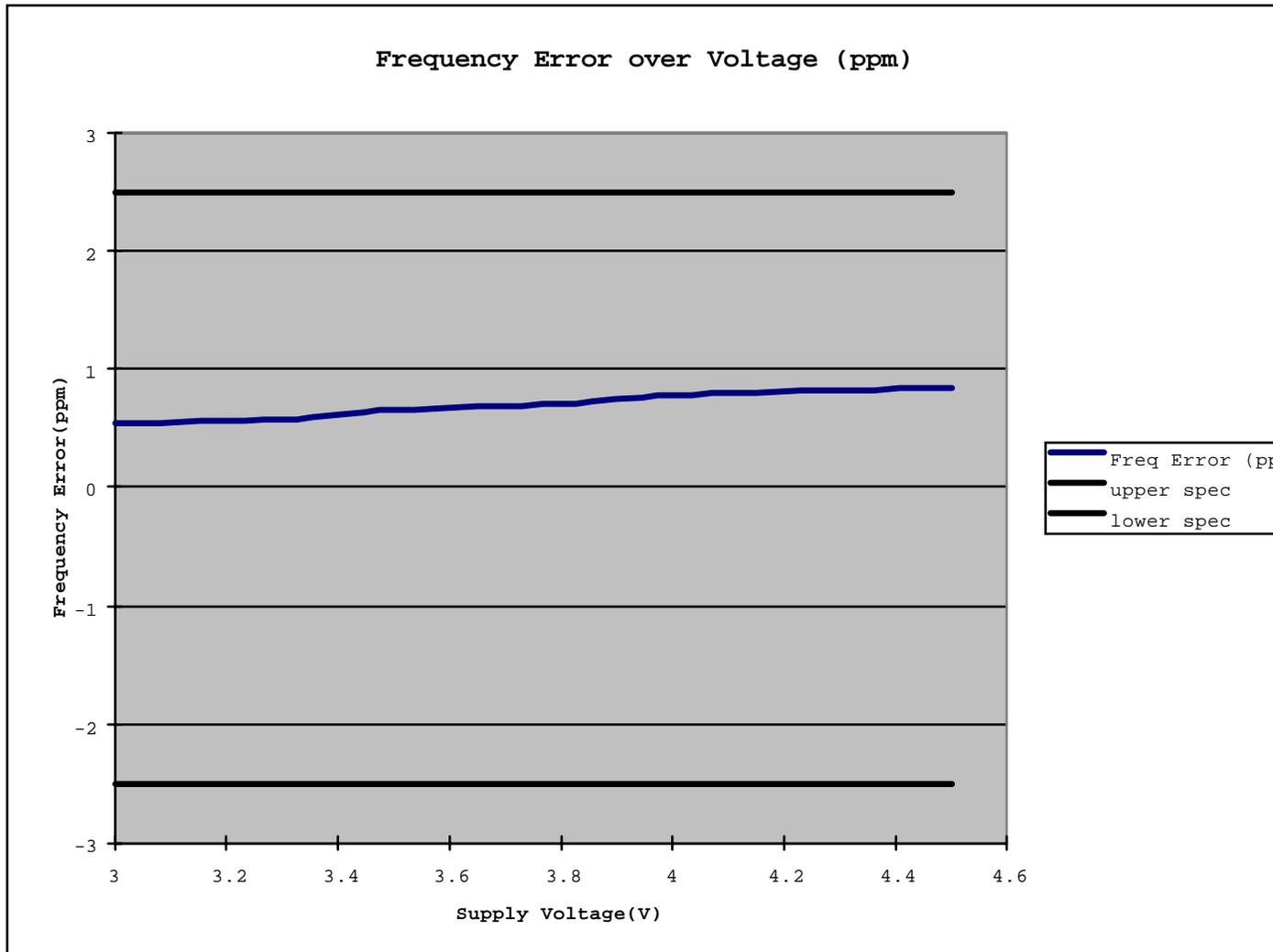


EXHIBIT 9H-2

Radio resets at 3.0 Volts.