

SUBMITTED MEASURED DATA

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*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.

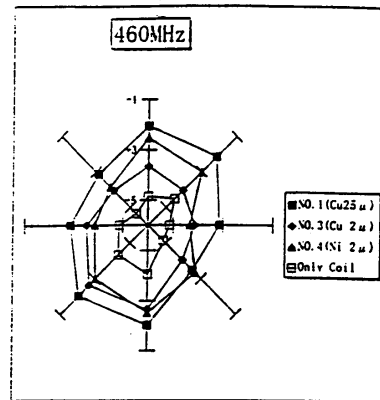
RF POWER OUTPUT DATA

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

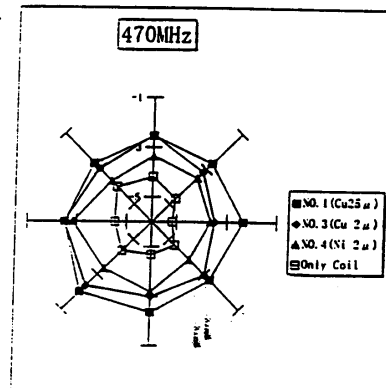
Measured RF output	0.5	Watt
Normal DC Voltage	4.5	Volts
Normal DC Current	538	mA
Primary Supply Voltage	4.50	Volts

EXHIBIT 9A-1

460MHz		UNIT: dBi			
DEGREE	NO. 1 (Cu 25 μ)	NO. 3 (Cu 2 μ)	NO. 4 (Ni 2 μ)	Only Coil	
0	-2.05	-3.55	-2.52	-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	-3.35	-5.15	
150	-2.02	-2.65	-2.52	-4.05	
225	-2.05	-2.65	-3.02	-4.35	
270	-2.85	-3.52	-3.65	-4.85	
315	-3.15	-4.05	-3.85	-5.35	
AVERAGE	-2.61	-3.5	-3.21	-4.79	



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	-3.19	-3.51	-4.68	
90	-2.35	-3.51	-3.68	-5.18	
135	-2.68	-2.99	-3.85	-4.68	
150	-2.35	-2.99	-3.18	-4.68	
225	-2.01	-2.35	-3.34	-4.35	
270	-2.51	-2.51	-2.85	-4.52	
315	-2.68	-2.99	-3.68	-4.01	
AVERAGE	-2.47	-2.57	-3.43	-4.53	



Audio Frequency response

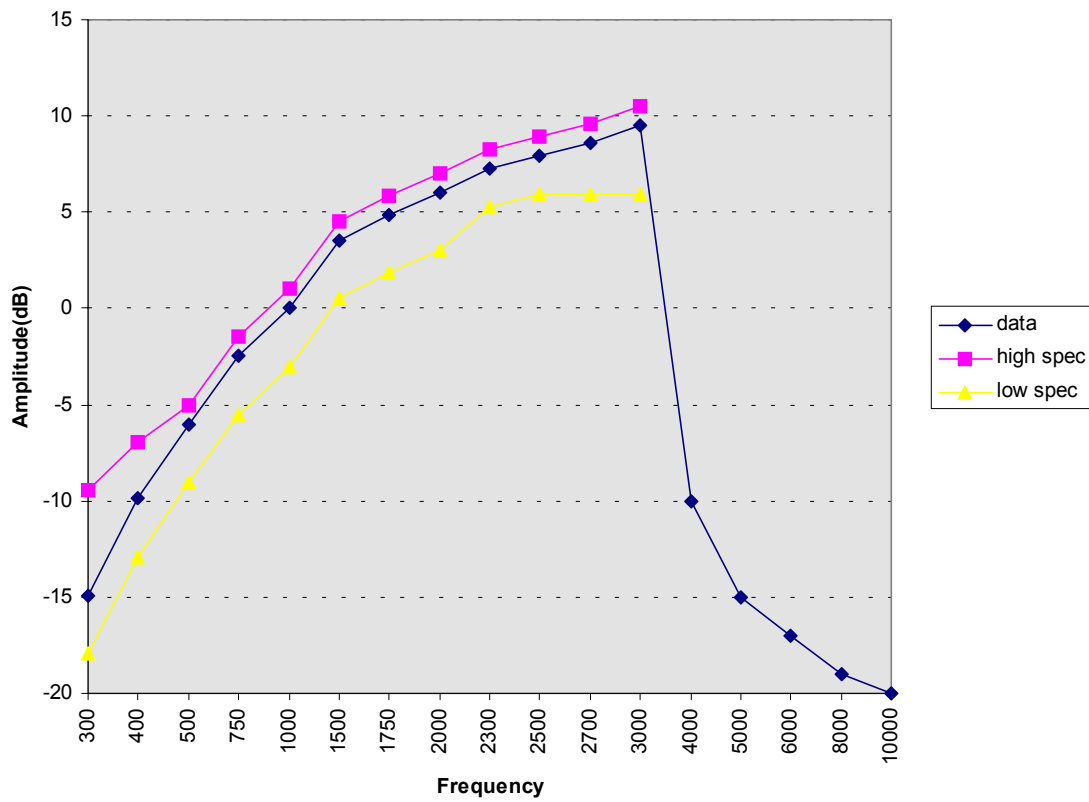


EXHIBIT 9B

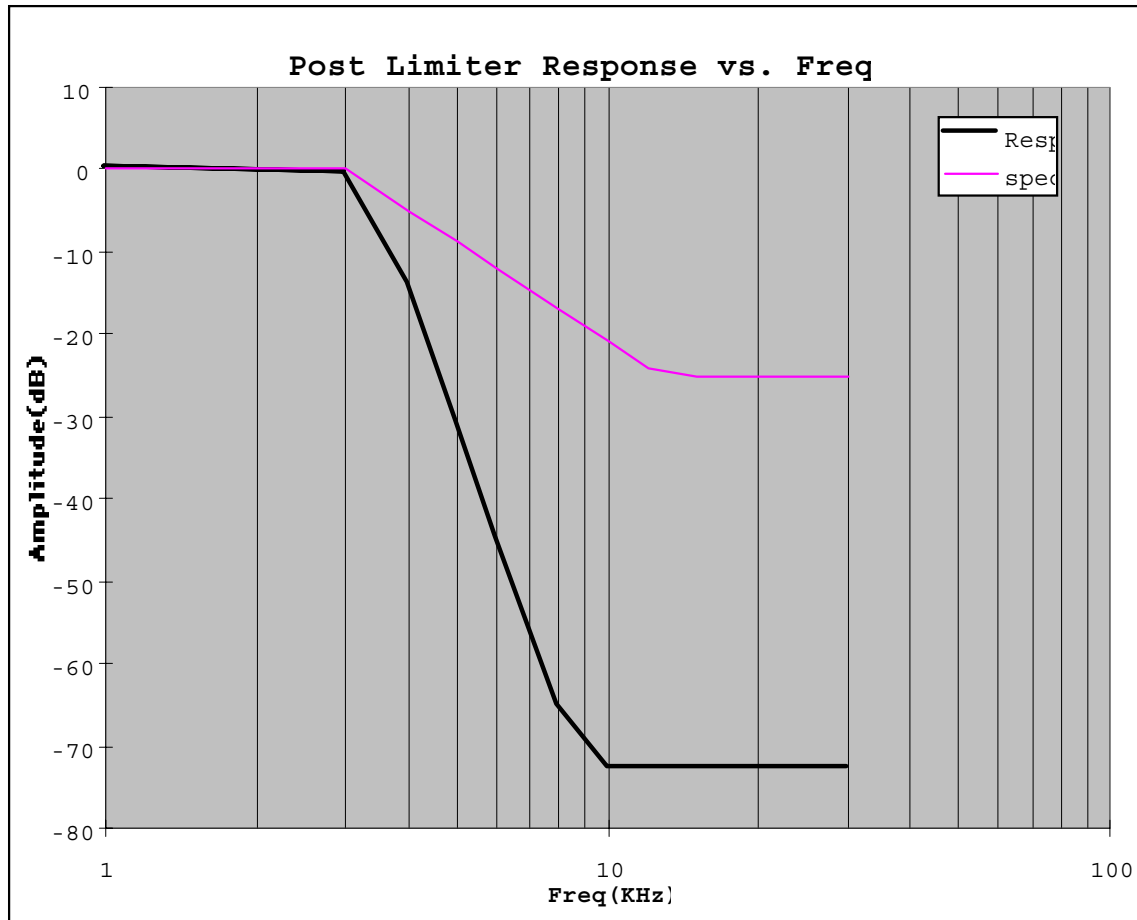


EXHIBIT 9C-1

Applicant: Motorola Inc.

Equipment Type:

MOTOROLA INC.

Transmitter

POST-LIMITER AUDIO ROLL OFF FILTER RESPONSE
FILTER OUTPUT vs. AUDIO FREQUENCY

Reference ABZ 99FT 4070
Method SEE EXHIBIT 9L
Date 4/29/96
Signature L. Young

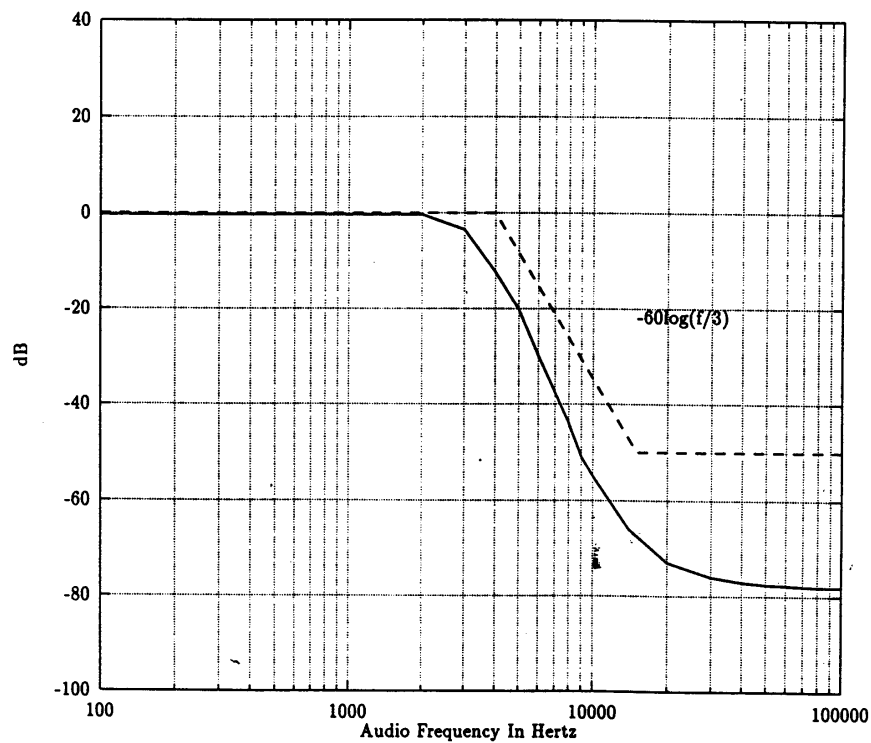


EXHIBIT 9C-2

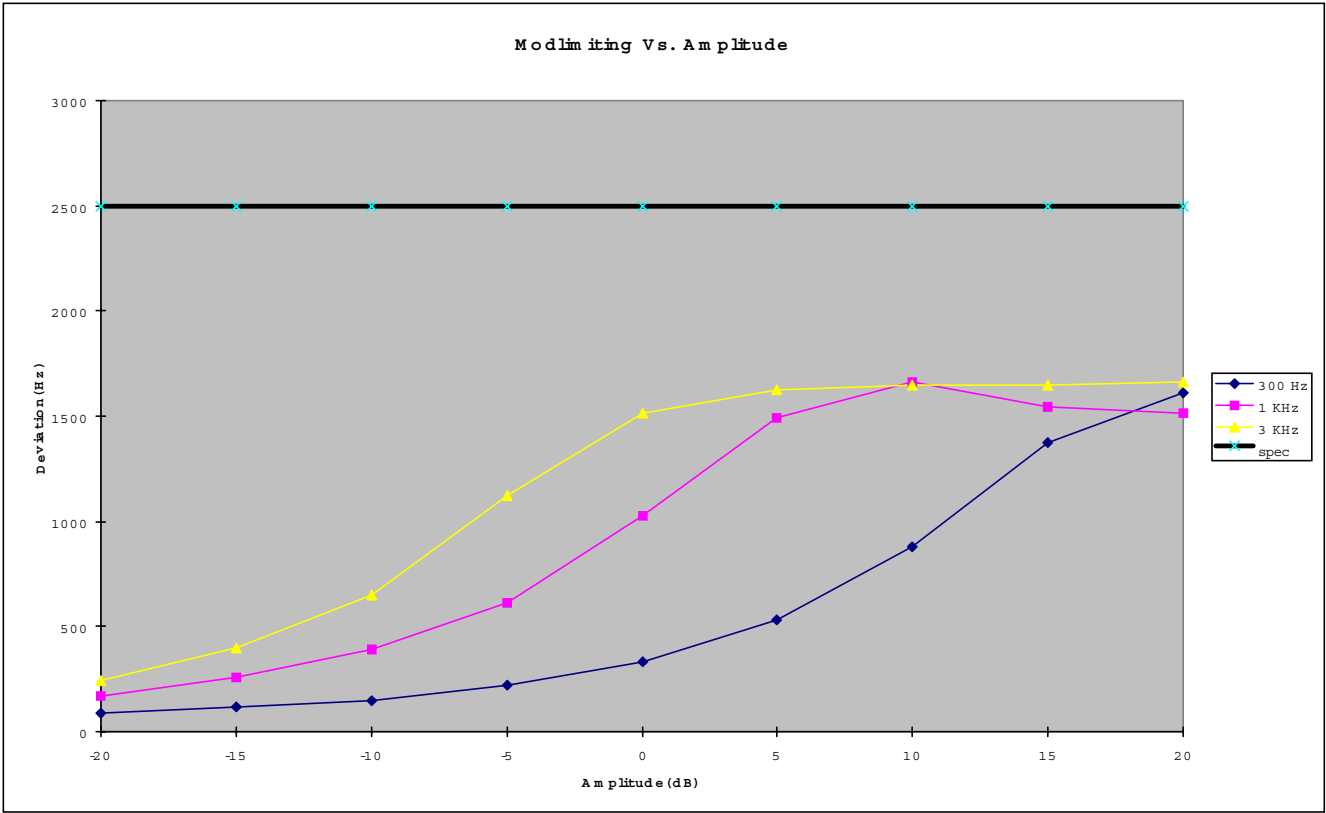


EXHIBIT 9D

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

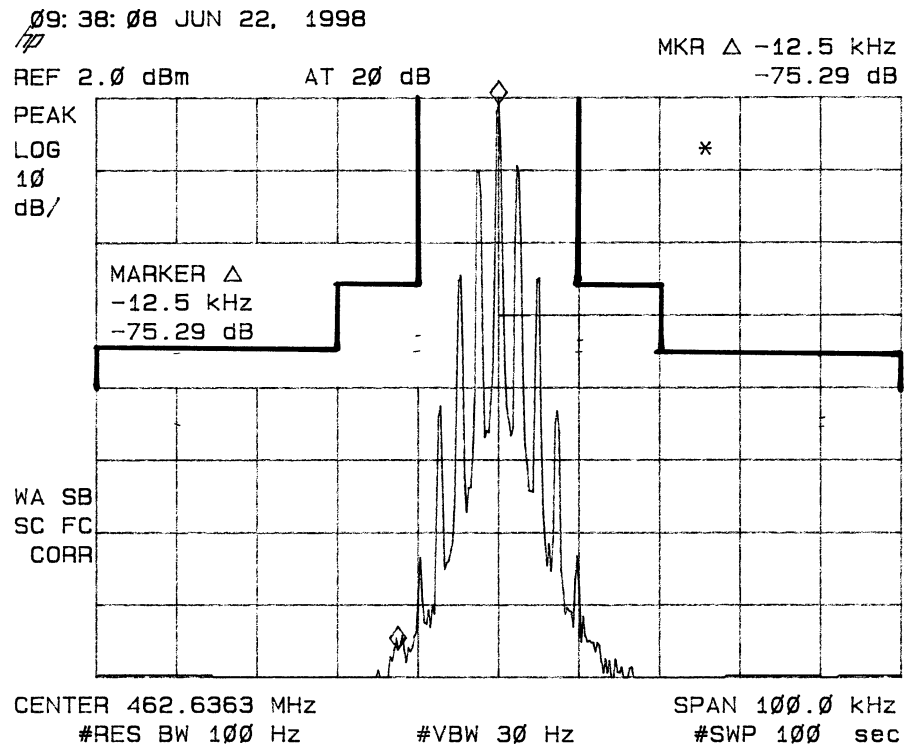


EXHIBIT 9E-1

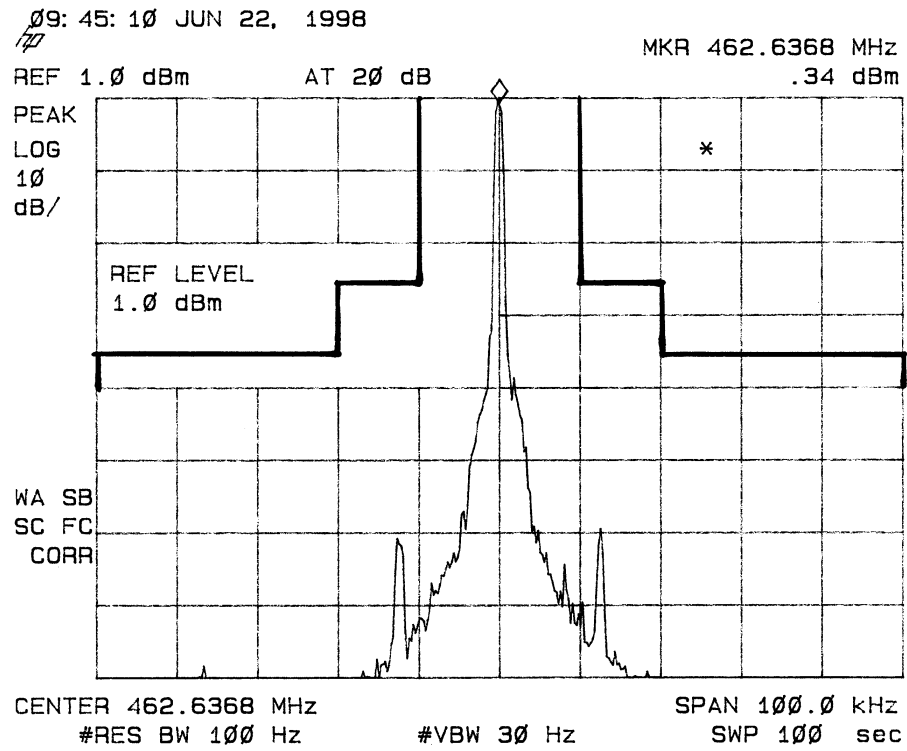


EXHIBIT 9E-2

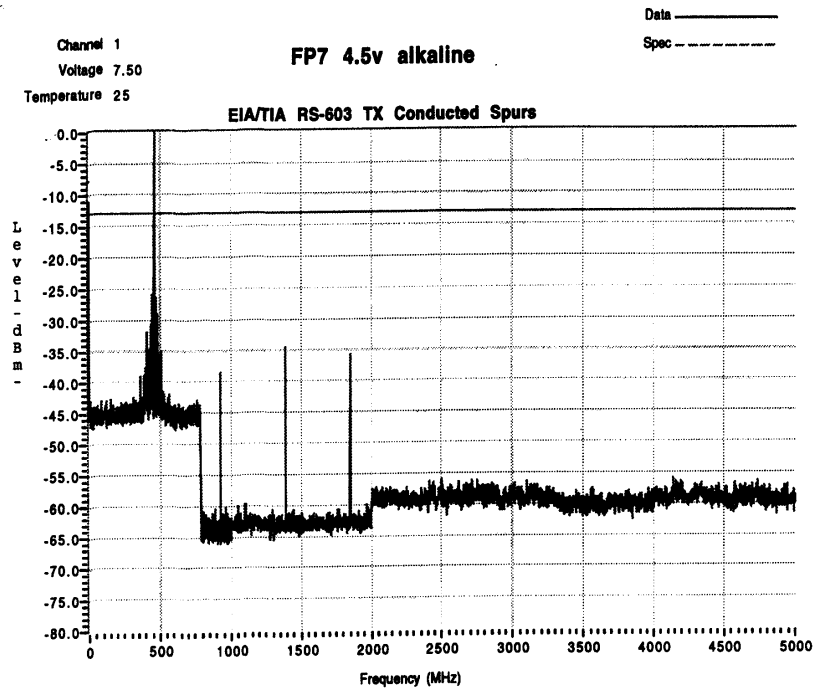


EXHIBIT 9F-1

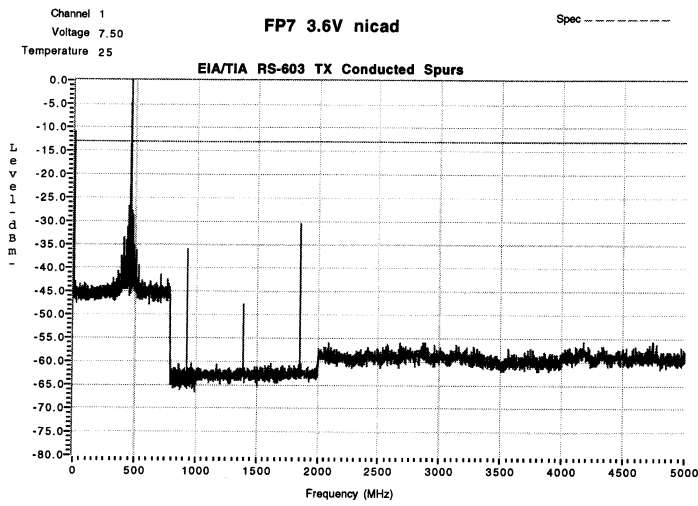


EXHIBIT 9F-2

EXHIBIT 9F-2

**Tx Radiated Spurious Emissions(Nicad-
Vertical)**

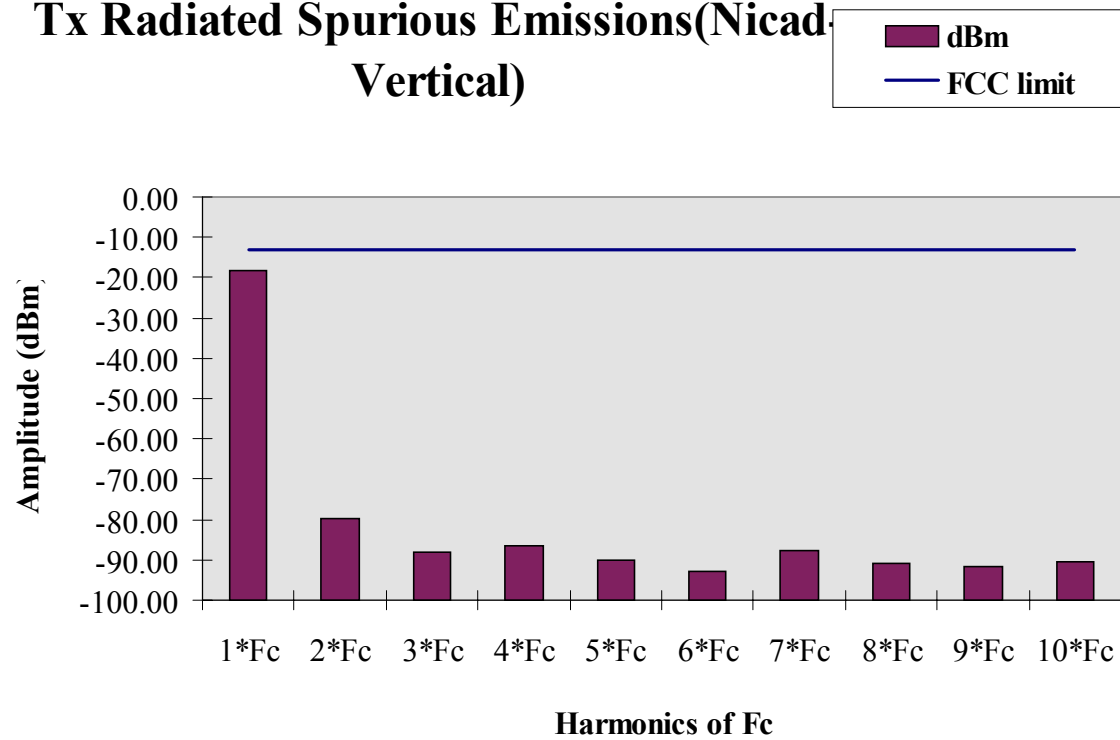


EXHIBIT 9G-1

Tx Radiated Spurious Emissions(Nica Horizontal)

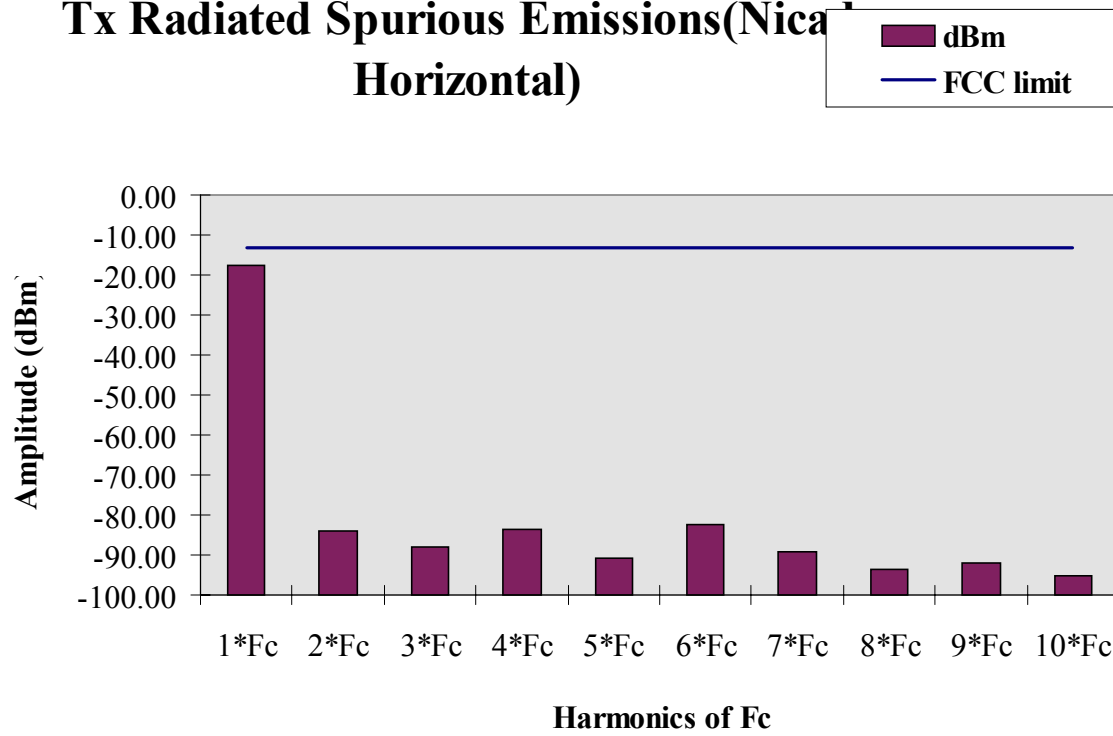


EXHIBIT 9G-2

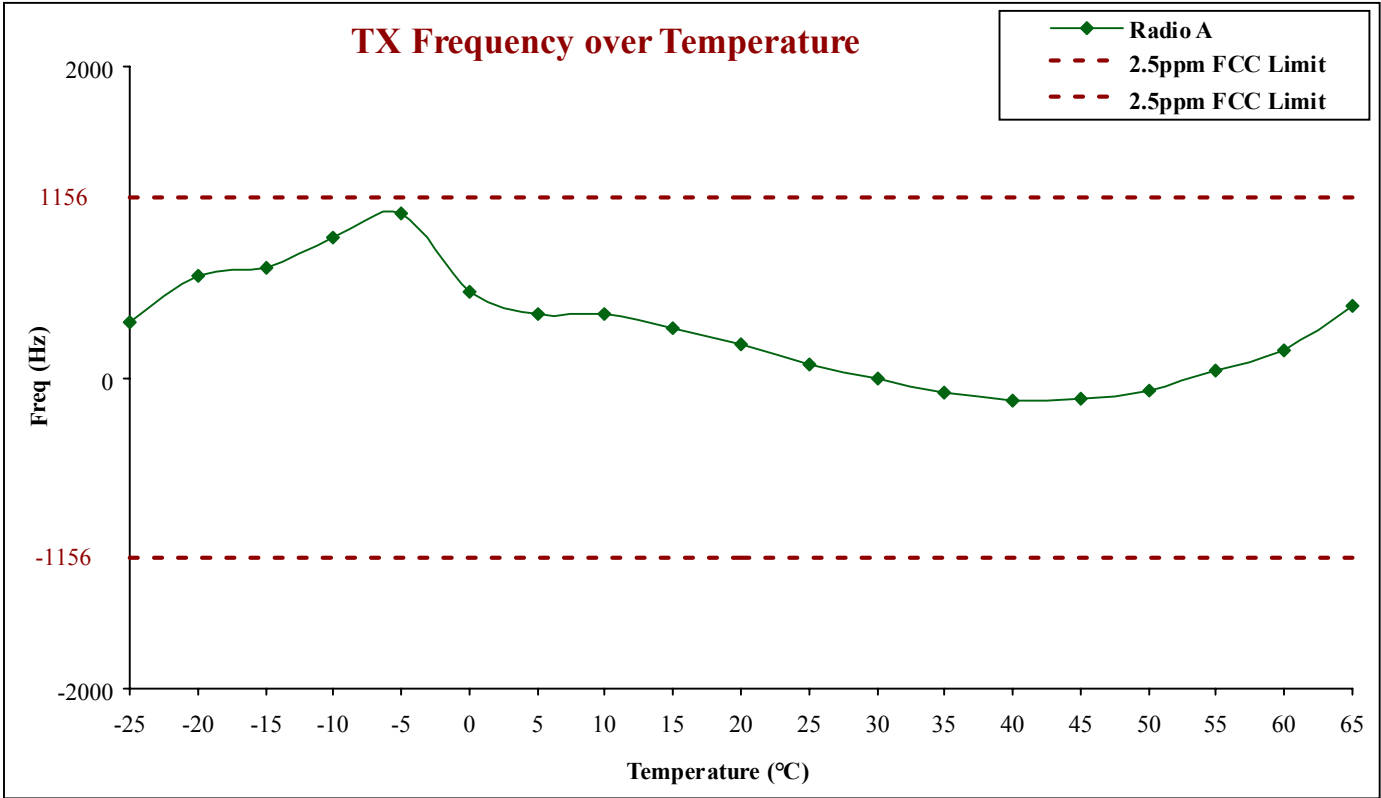


EXHIBIT 9H-1

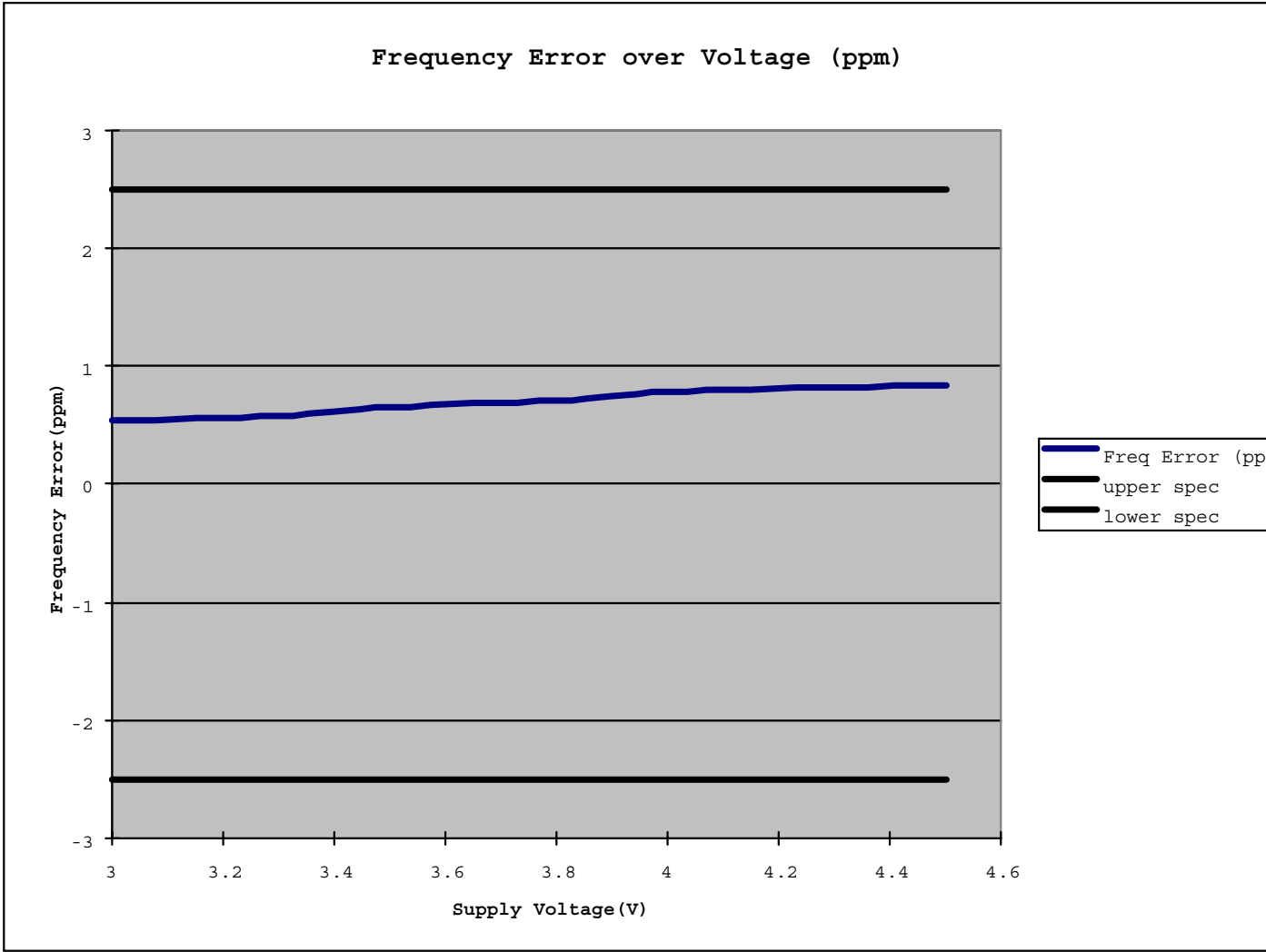


EXHIBIT 9H-2

Radio resets at 3.0 Volts.