



MOTOROLA

FCC ID: AZ489FT3811

Test Report

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EXHIBIT 6



MOTOROLA

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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.

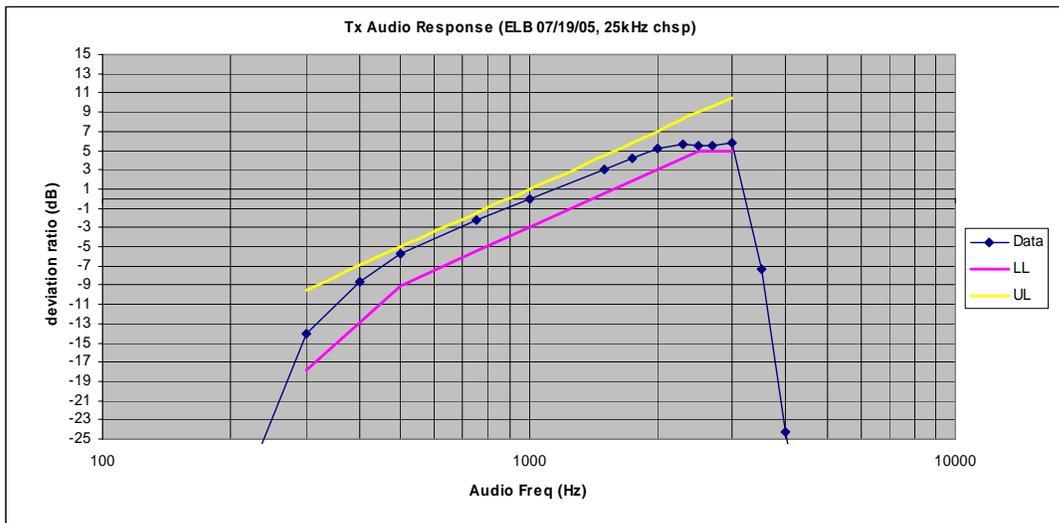
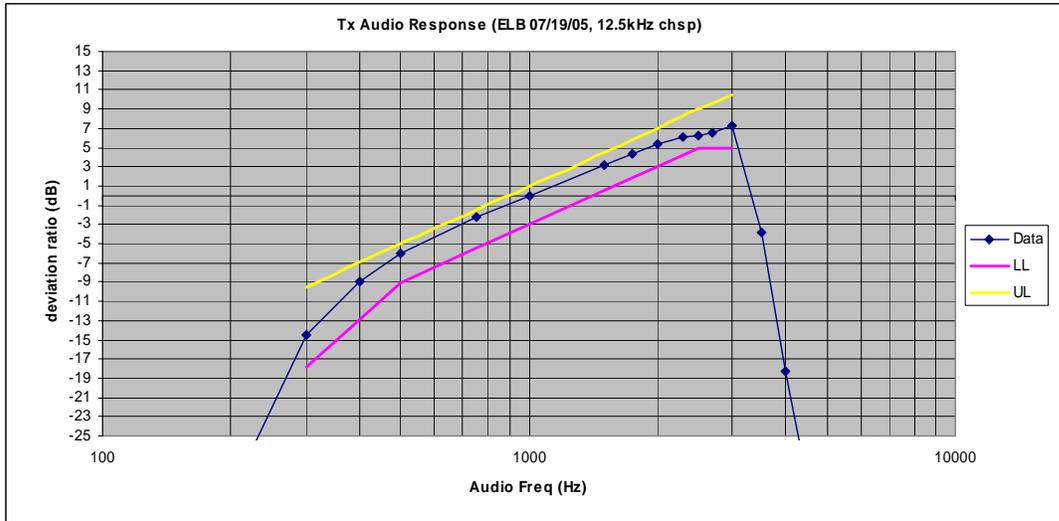
1Watt

Frequency	151.70 MHz
Measured Conducted RF output	1.22 Watts
Normal DC Voltage	3.60 Volts
Normal DC Current	870 milliAmps
Primary Supply Voltage	3.80 Volts
RF Conducted output power measured at 3.80Volts	

EXHIBIT 6A

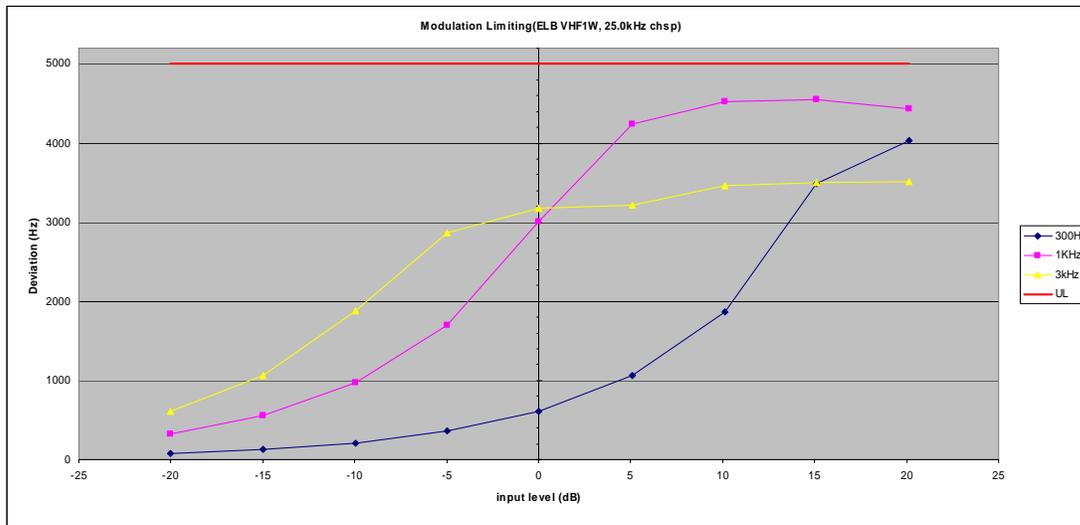
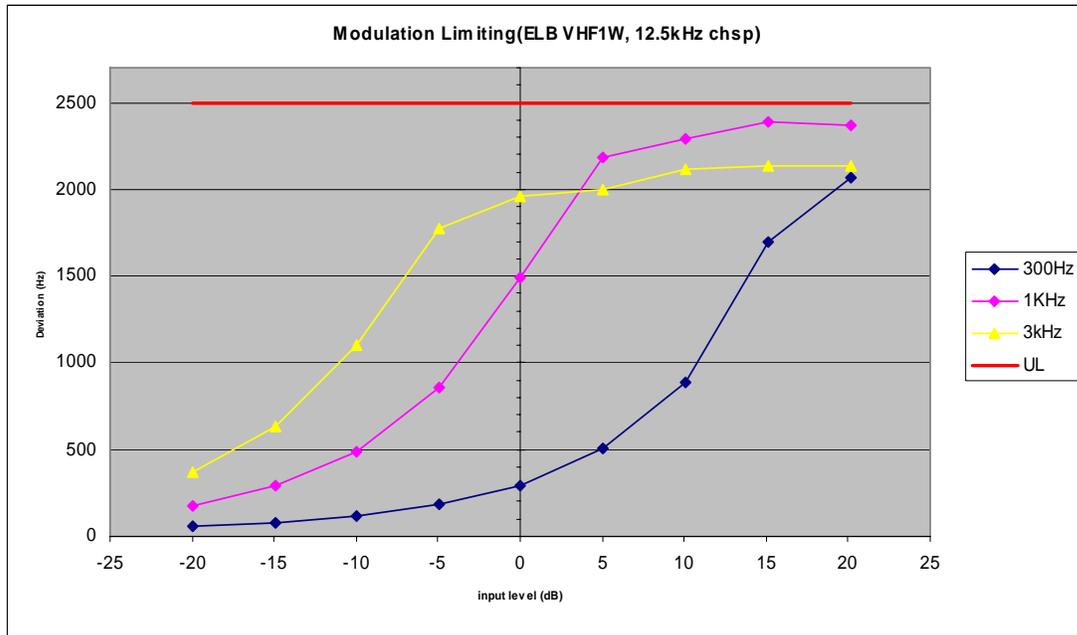


Audio Response





MODULATION LIMITING





MOTOROLA

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OCCUPIED BANDWIDTH DATA

1Watt

12.5 / 25.0 kHz Channel Spacing

EXHIBIT 6D-1

2500 Hz Audio Modulation

Emission Type: 11K0F3E

Specification Mask D, 90.210 – 12.5 kHz

EXHIBIT 6D-2

2500 Hz Audio Modulation

Emission Type: 16K0F3E

Specification Mask B, 90.210 – 25 kHz

EXHIBIT 6D-3

2500 Hz & 77Hz Tone "PL" Modulation

Emission Type: 11K0F3E

Specification Mask D, 90.210 – 12.5 kHz

EXHIBIT 6D-4

2500 Hz & 77Hz Tone "PL" Modulation

Emission Type: 16K0F3E

Specification Mask B, 90.210 – 25 kHz

CARSON'S RULE: 11K0F3E

BW= 2(M+D)

BW=2 (3 kHz maximum modulation frequency + 2.5 kHz deviation)

BW=2 (5.5)

BW= 11K0

CARSON'S RULE: 16K0F3E

BW= 2(M+D)

BW=2 (3 kHz maximum modulation frequency + 5 kHz deviation)

BW=2 (8)

BW= 16K0

EXHIBIT 6D



MOTOROLA

FCC ID: AZ489FT3811

1- Watt 12.5 kHz
Mask D, Rule Part: 90.210
Emission Type: 11K0F3E

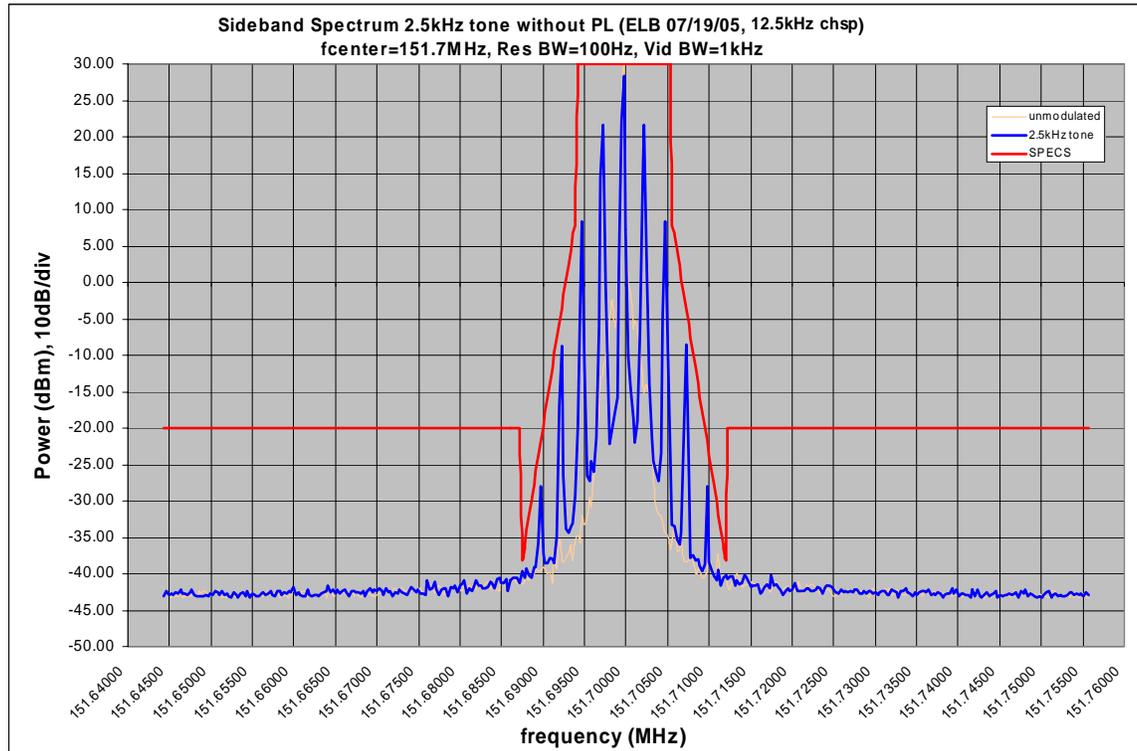


EXHIBIT 6D-1



MOTOROLA

FCC ID: AZ489FT3811

1- Watt 25 kHz
Mask B, Rule Part: 90.210
Emission Type: 16K0F3E

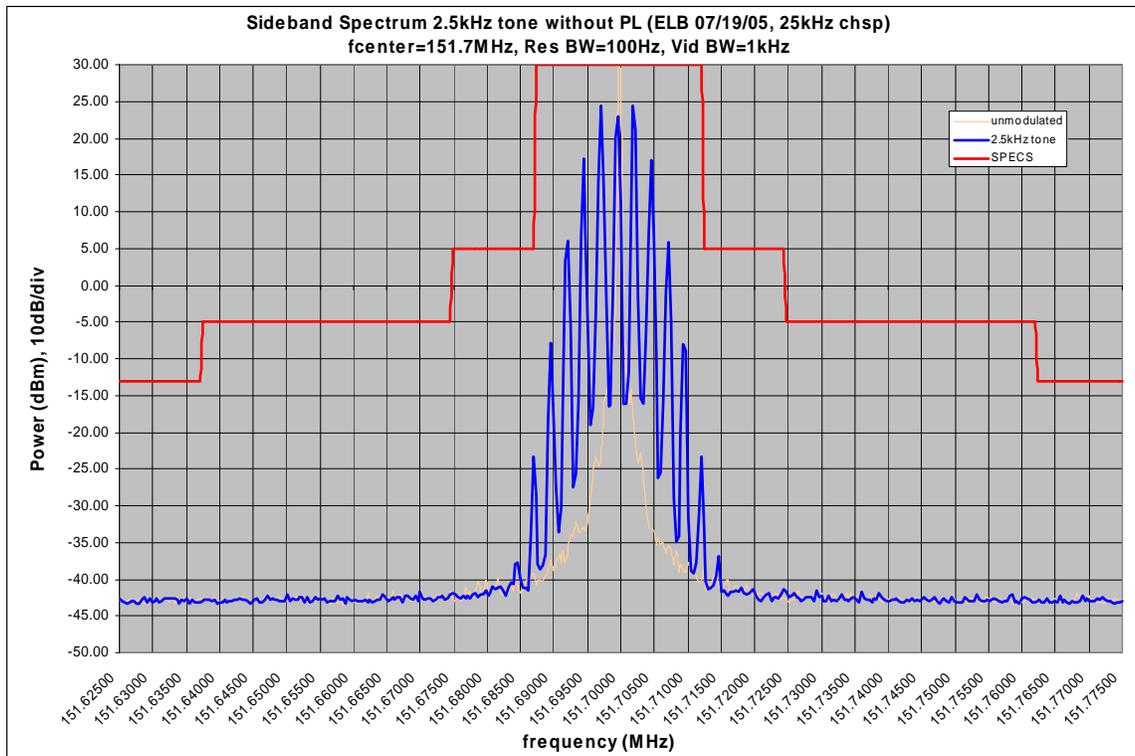


EXHIBIT 6D-2



MOTOROLA

FCC ID: AZ489FT3811

1- Watt 12.5 kHz
2500 Hz & 77Hz Tone "PL" Modulation
Mask D, Rule Part: 90.210
Emission Type: 11K0F3E

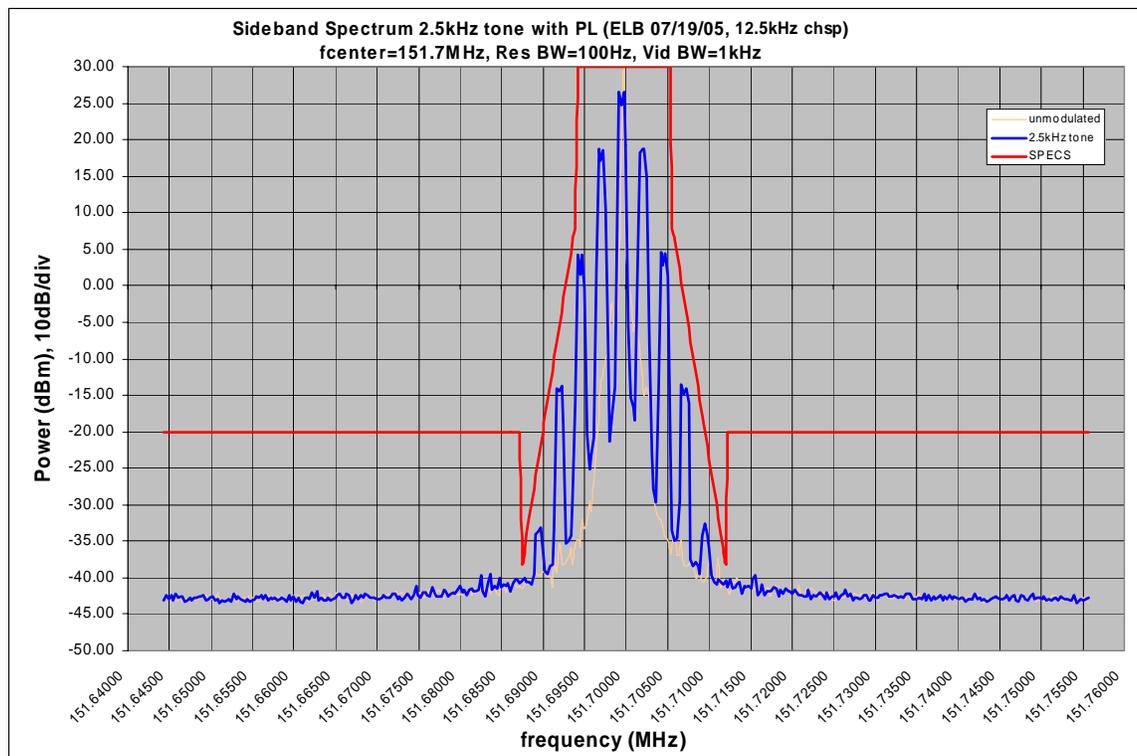


EXHIBIT 6D-3



MOTOROLA

FCC ID: AZ489FT3811

1- Watt 25 kHz
2500 Hz & 77Hz Tone "PL" Modulation
Mask B, Rule Part: 90.210
Emission Type: 16K0F3E

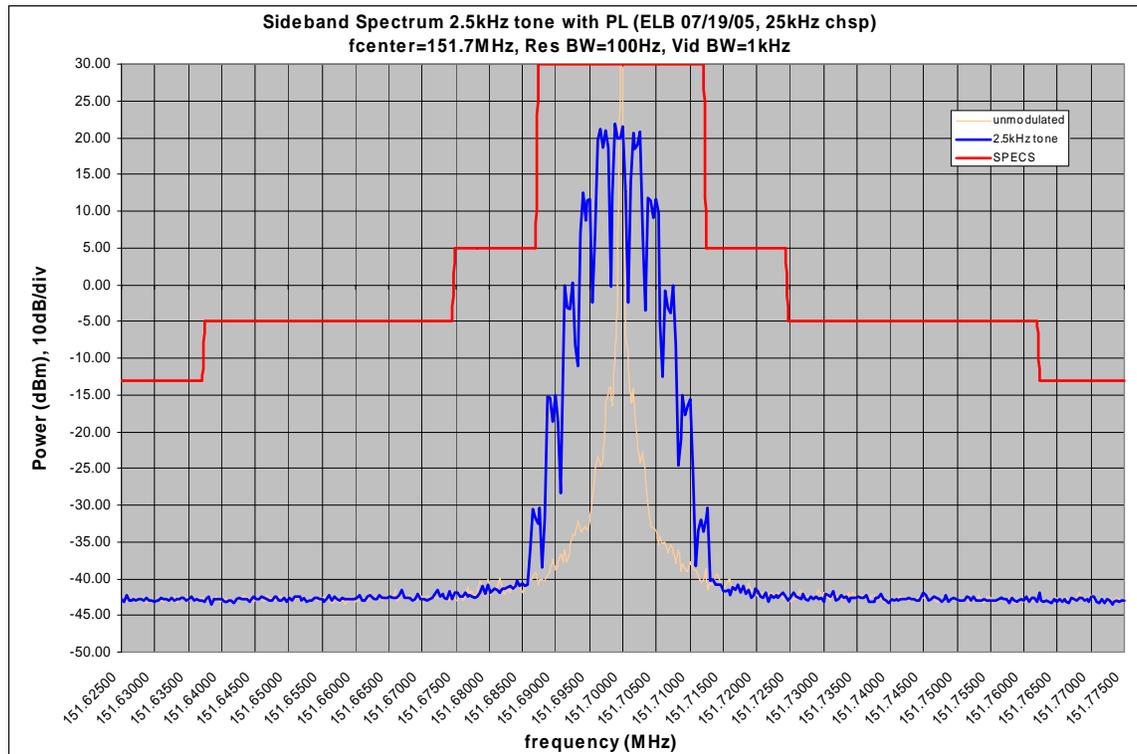


EXHIBIT 6D-4



MOTOROLA

FCC ID: AZ489FT3811

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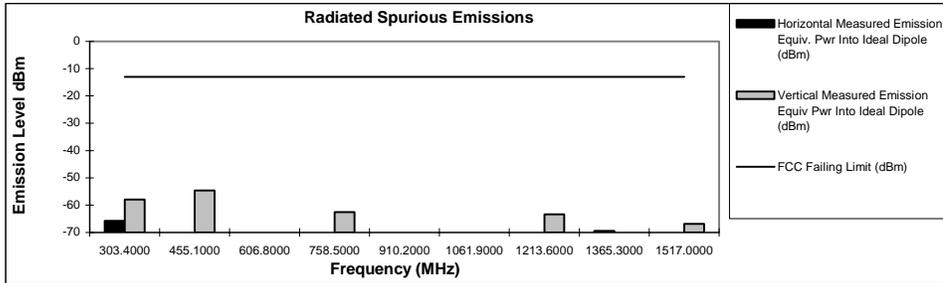
Transmit Radiated Spurious Emissions: **ELB VHF**

Tx Power: 1 Watts

151.7 MHz

Channel Spacing 25KHZ | S/N SN001

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
303.4000	-13	-65.72	-57.99
455.1000	-13	-73.22	-54.58
606.8000	-13	*	*
758.5000	-13	-74.29	-62.60
910.2000	-13	*	*
1061.9000	-13	*	*
1213.6000	-13	-70.79	-63.36
1365.3000	-13	-69.43	*
1517.0000	-13	-71.53	-66.93



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679

August 11, 2005

EXHIBIT 6E-1



MOTOROLA

Motorola Inc.

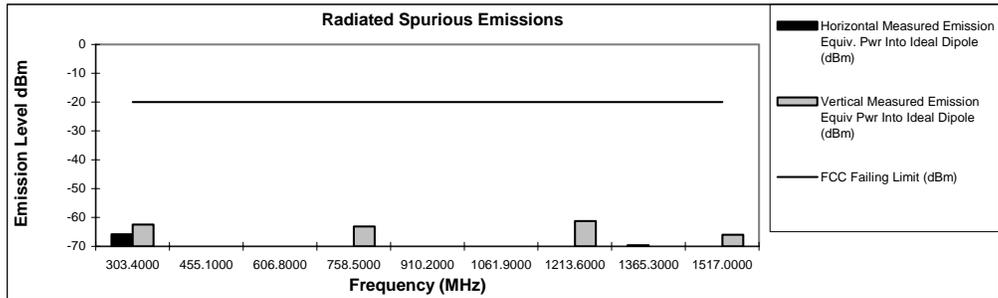
FCC ID: AZ489FT3811
FCC ID:AZ489FT3811

Transmit Radiated Spurious Emissions: **ELB VHF**
Tx Power: 1 Watts

151.7 MHz

Channel Spacing 12.5KHZ | S/N SN001

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
303.4000	-20	-65.89	-62.48
455.1000	-20	-72.48	*
606.8000	-20	*	*
758.5000	-20	-74.32	-63.10
910.2000	-20	-75.45	*
1061.9000	-20	*	*
1213.6000	-20	-70.86	-61.21
1365.3000	-20	-69.64	*
1517.0000	-20	-72.06	-66.06



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

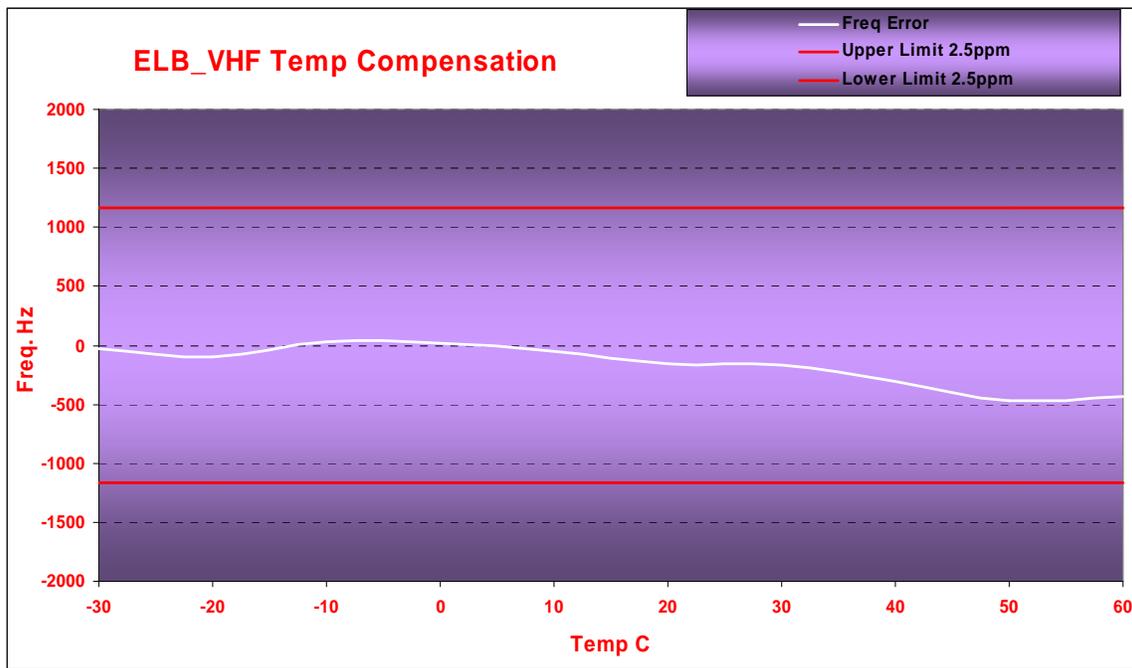
Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC3679

August 11, 2005

EXHIBIT 6E-2



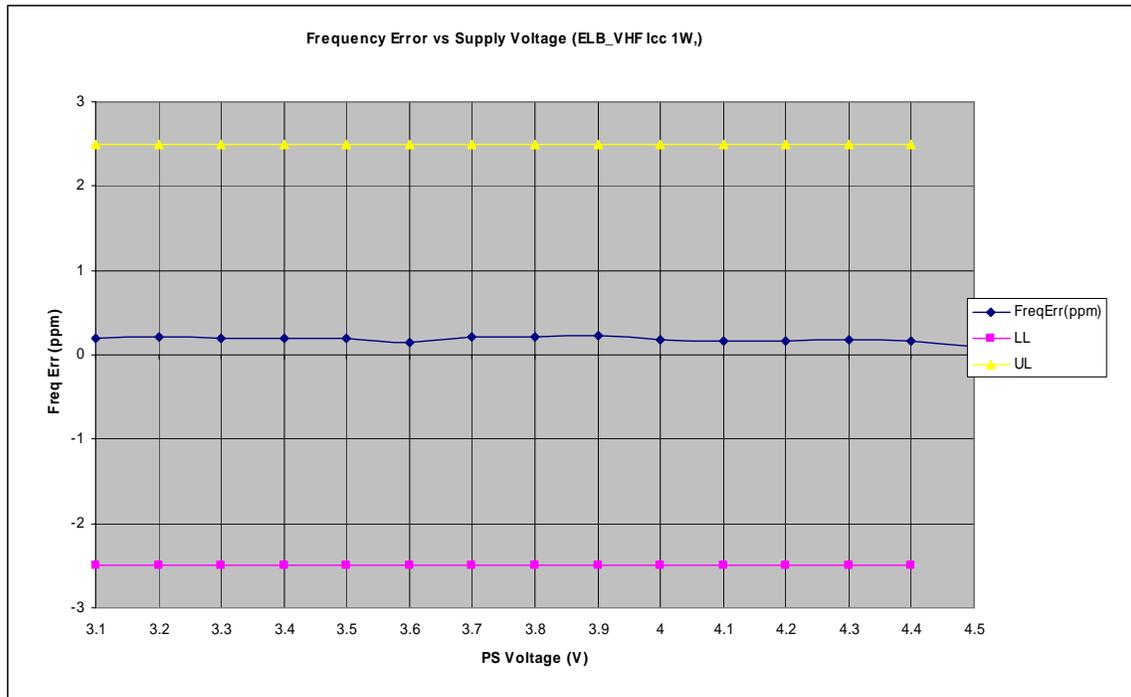
Frequency Stability over Temperature



Reset Voltage 3.0V



**1Watt
Frequency Error over Voltage**





MOTOROLA

FCC ID: AZ489FT3811

Transient Frequency Response TX on 1 Watt 12.5 kHz

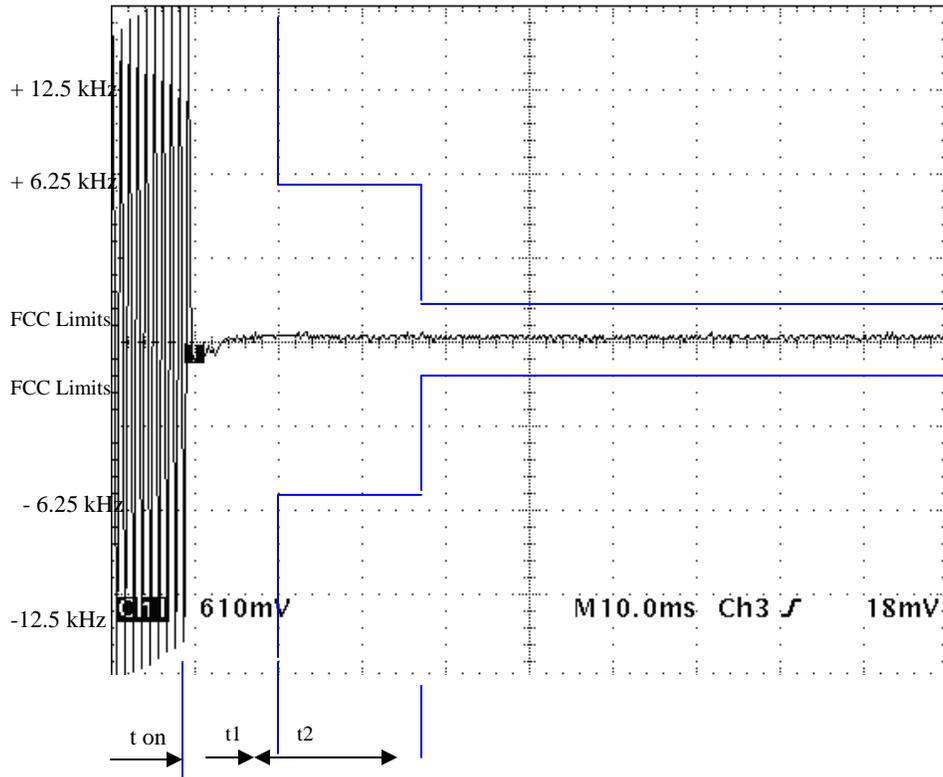


EXHIBIT 6G-1



MOTOROLA

FCC ID: AZ489FT3811

Transient Frequency Response TX off 1 Watt 12.5 kHz

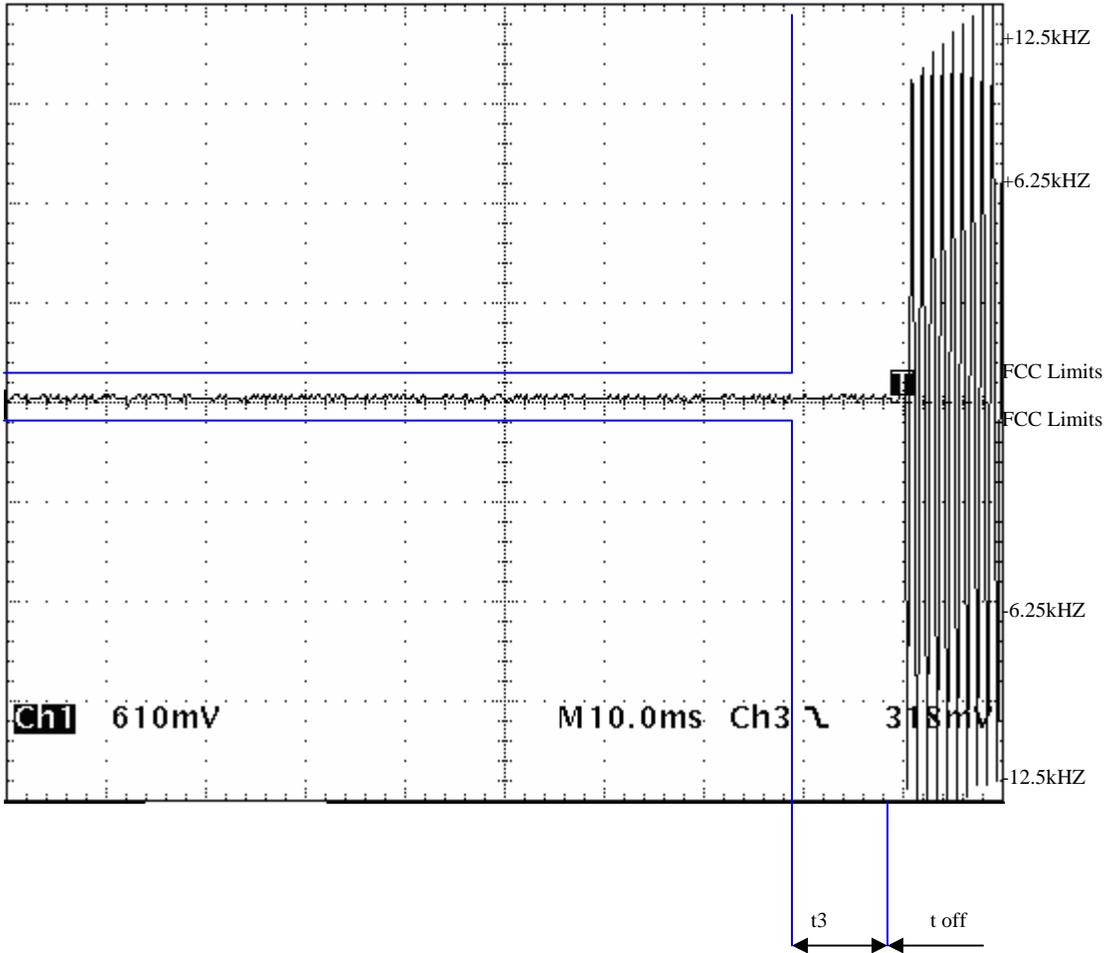
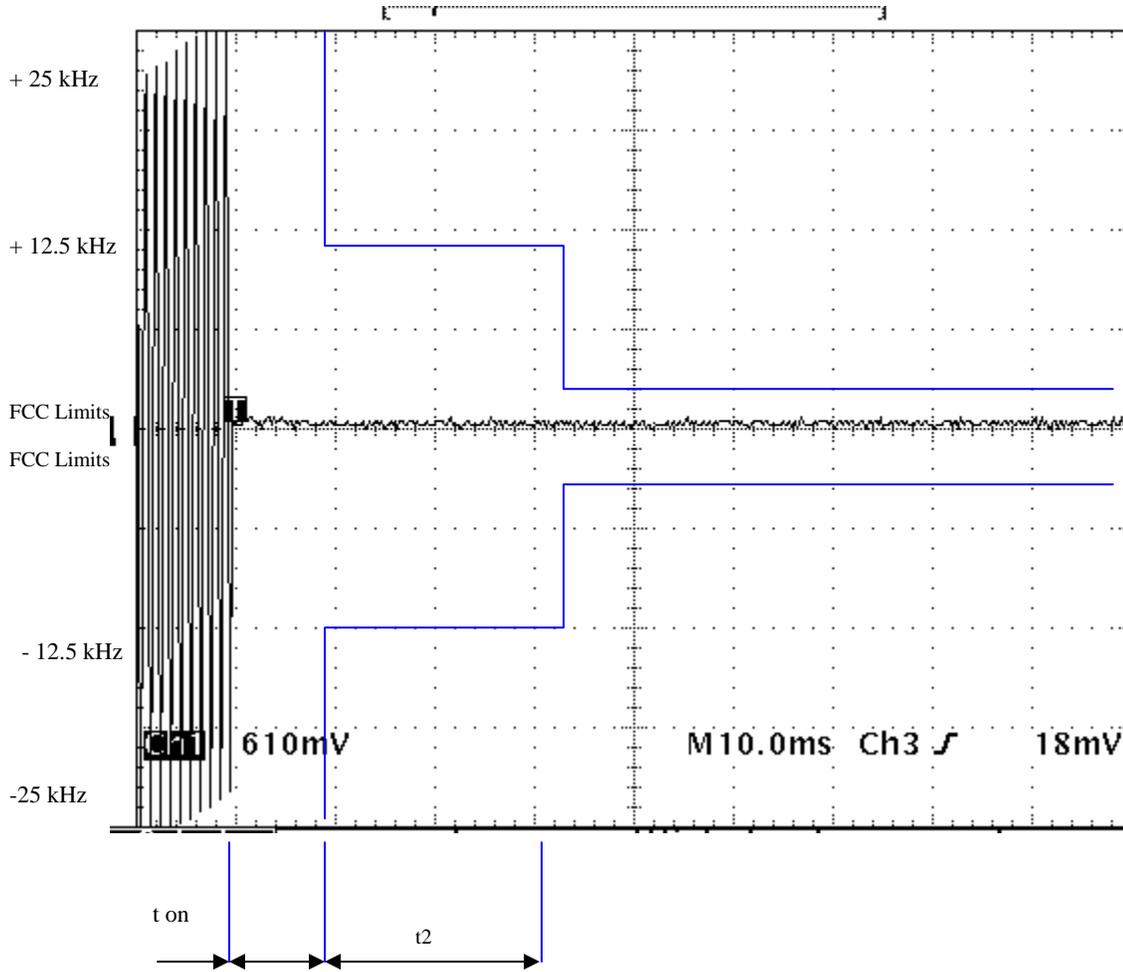


EXHIBIT 6G-2



Transient Frequency Response TX on1 Watt 25 kHz





MOTOROLA

FCC ID: AZ489FT3811

Transient Frequency Response TX off 1 Watt 25 kHz

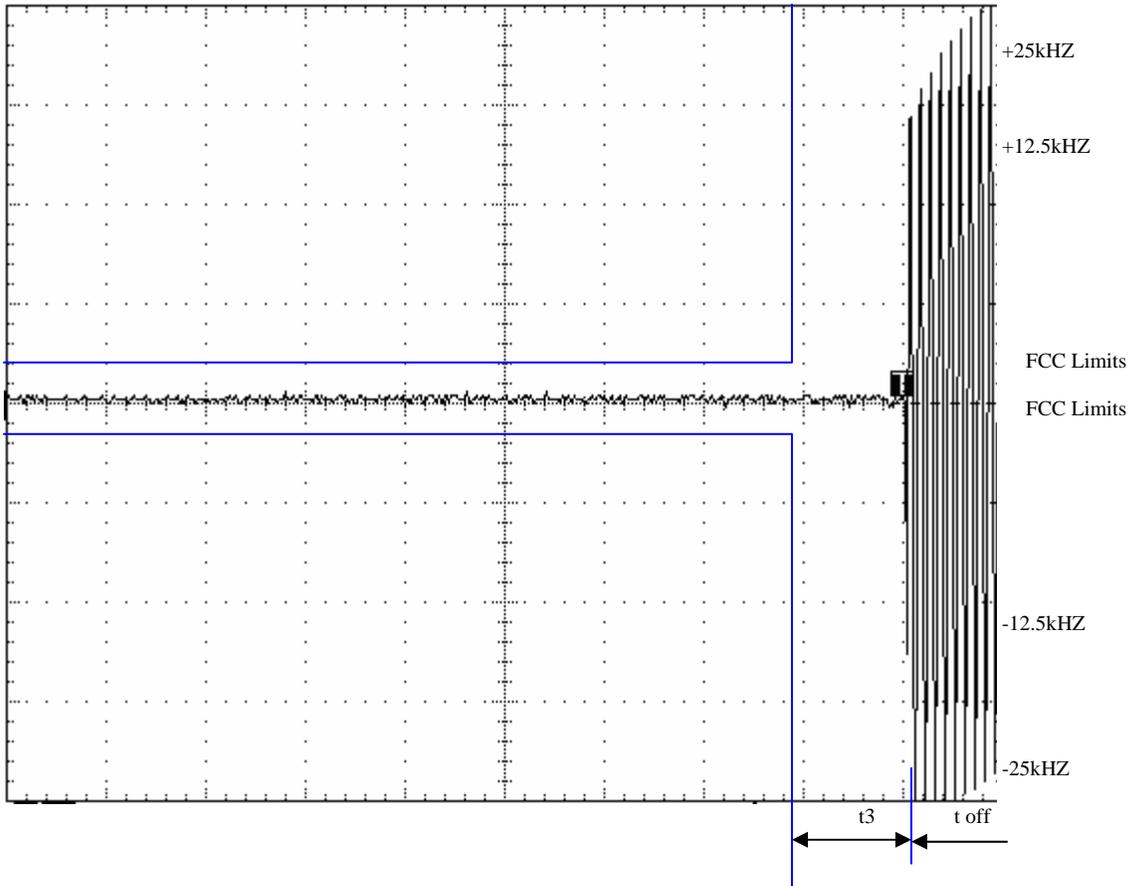


EXHIBIT 6G-4