



MOTOROLA

FCC ID: AZ489FT3823

Test Report

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* Data was obtained from FCC ID: AZ489FT3817

EXHIBIT 6



FCC ID: AZ489FT3823

RF POWER OUTPUT DATA

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

1.0 Watt

Frequency	151.8800MHz
Measured Conducted RF output*	1.02 Watts
Normal DC Voltage	7.80 Volts
Normal DC Current	560 milli amps
Primary Supply Voltage	7.80 Volts

2.0 Watt

Frequency	151.70MHz
Measured Conducted RF output*	2.00 Watts
Normal DC Voltage	7.80 Volts
Normal DC Current	745 milli amps
Primary Supply Voltage	7.80 Volts

*Note: RF Conducted output power measured at 7.80 Volts



MOTOROLA

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Audio Response

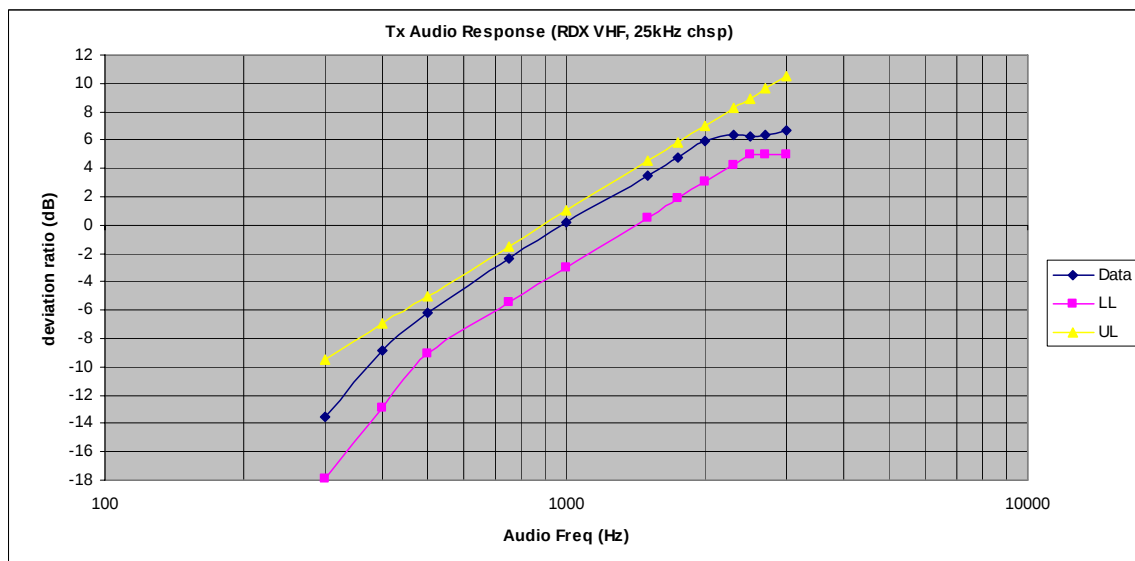
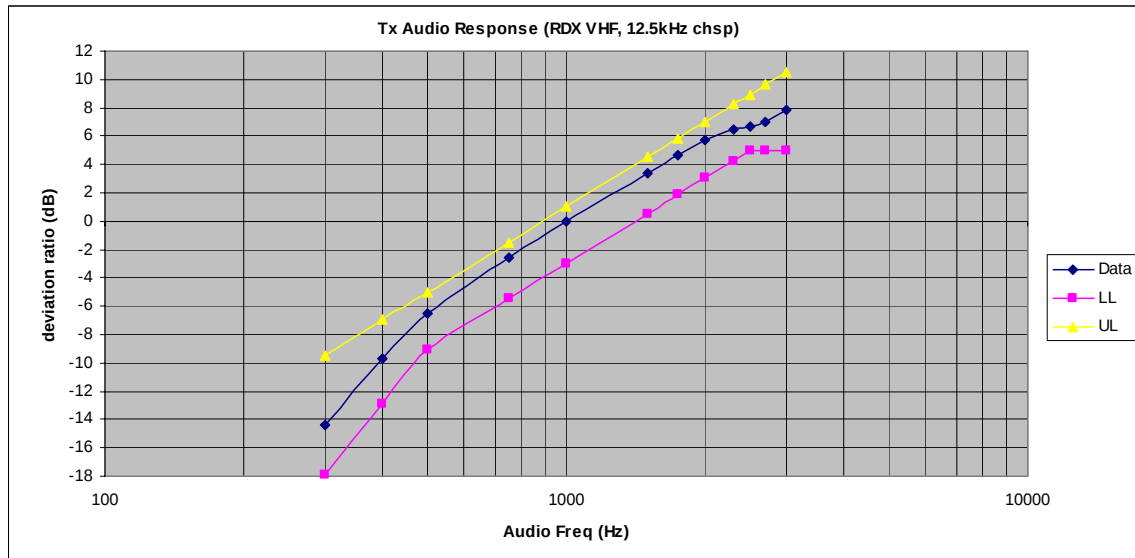


EXHIBIT 6B



MOTOROLA

FCC ID: AZ489FT3823

MODULATION LIMITING

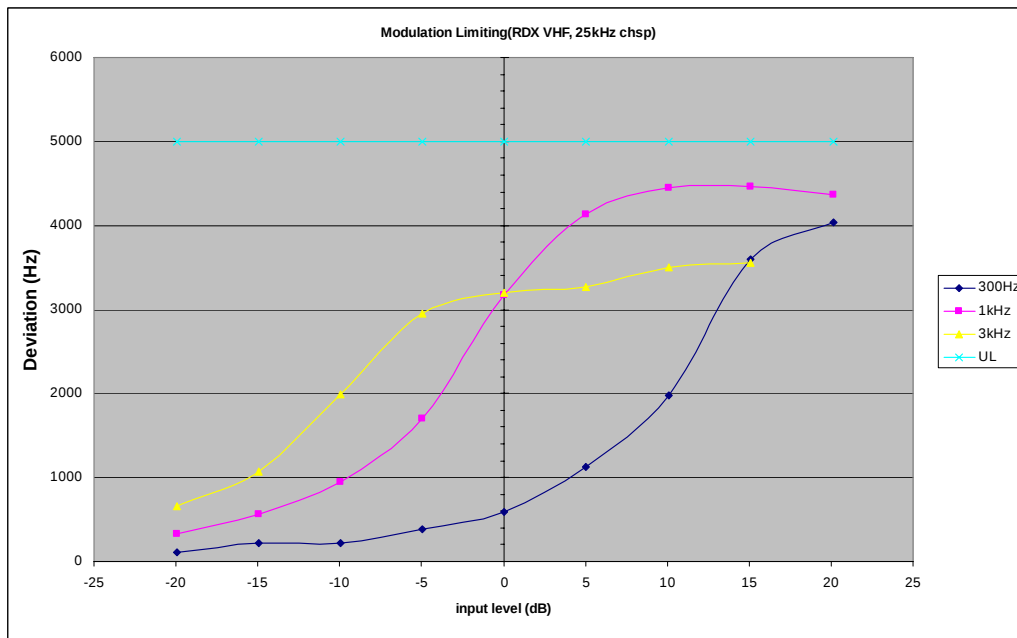
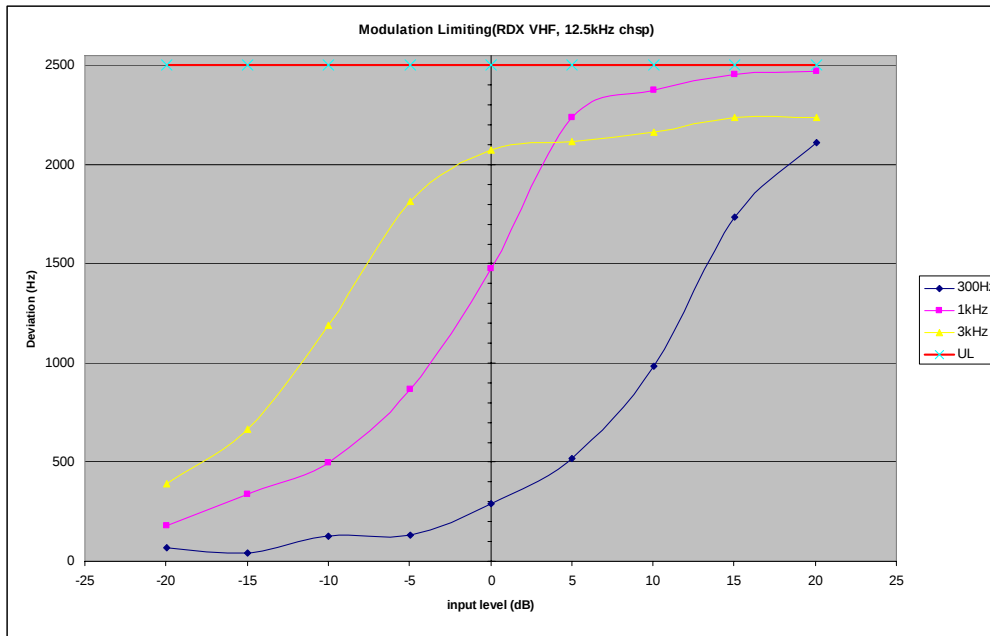


EXHIBIT 6B



MOTOROLA

FCC ID: AZ489FT3823

OCCUPIED BANDWIDTH DATA

12.5 / 25 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 = 16K

EXHIBIT 6D



MOTOROLA

FCC ID: AZ489FT3823

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

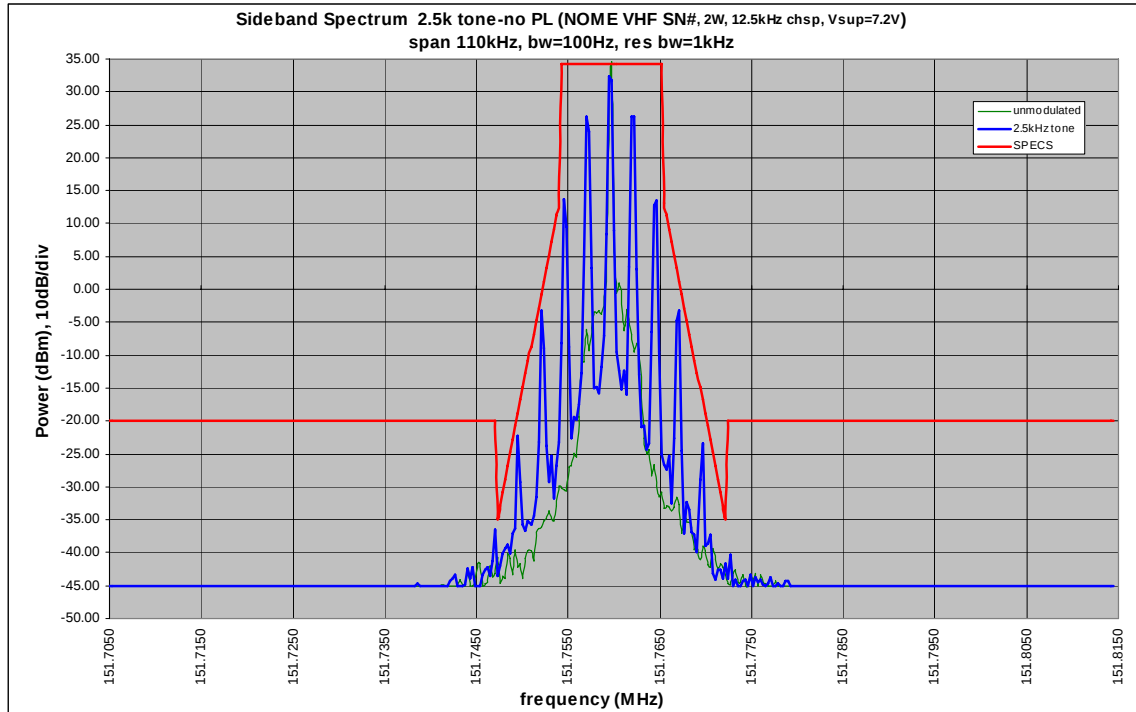


EXHIBIT 6D-1



MOTOROLA

FCC ID: AZ489FT3823

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

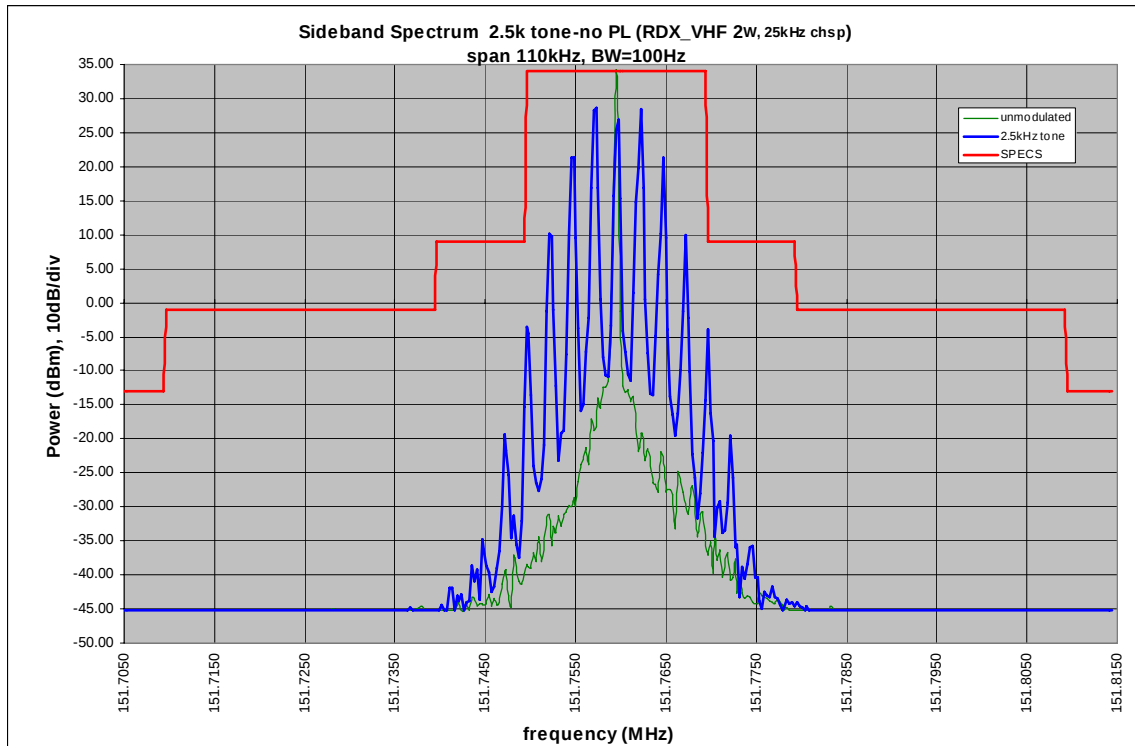


EXHIBIT 6D-2



MOTOROLA

FCC ID: AZ489FT3823

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

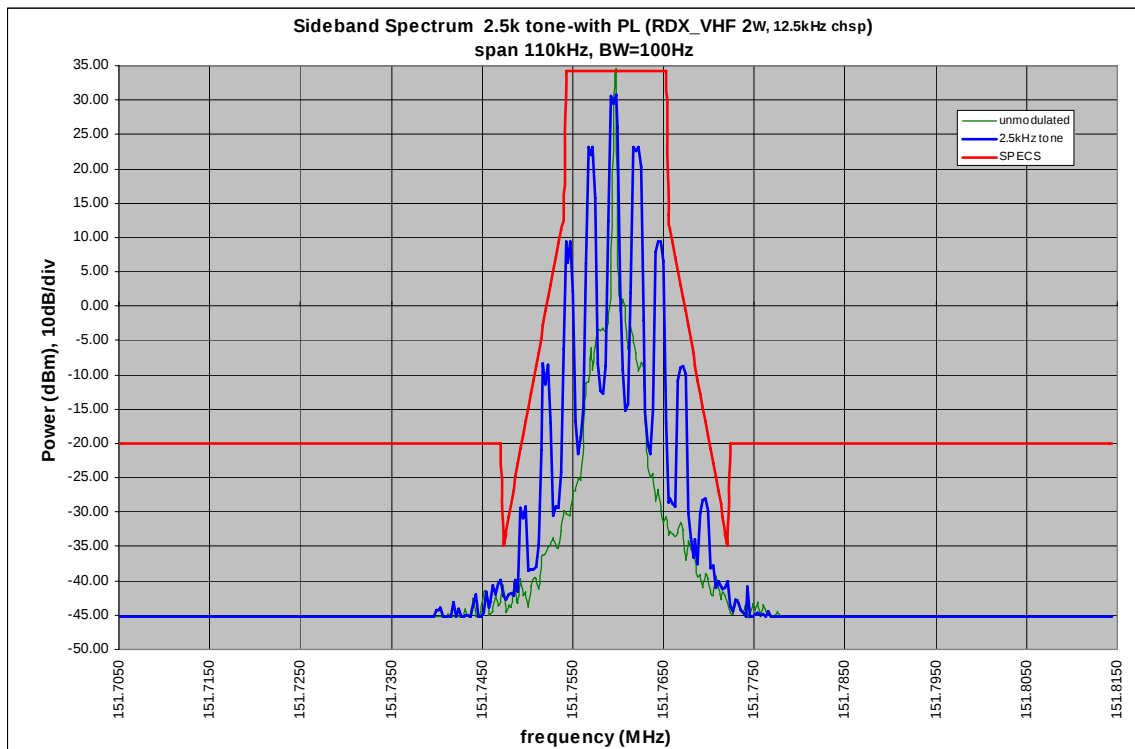


EXHIBIT 6D-3



MOTOROLA

FCC ID: AZ489FT3823

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

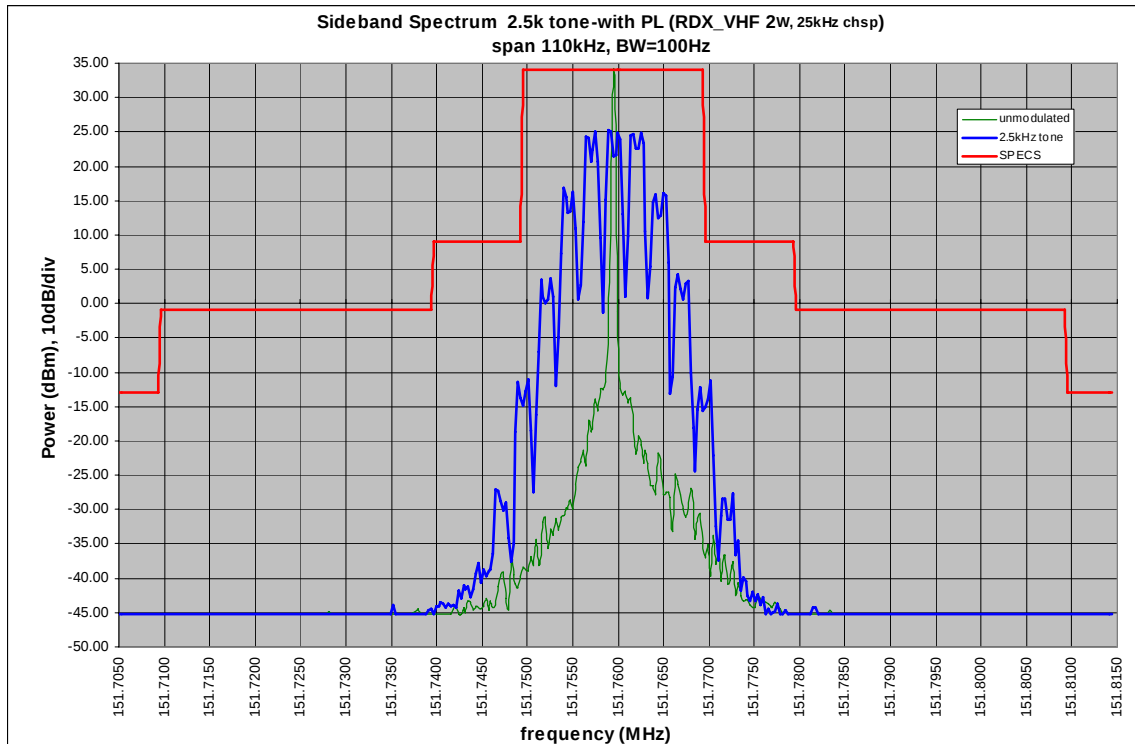


EXHIBIT 6D-4



MOTOROLA

FCC ID: AZ489FT3823

1 Watt

Motorola Inc.

FCC ID:AZ489FT3823

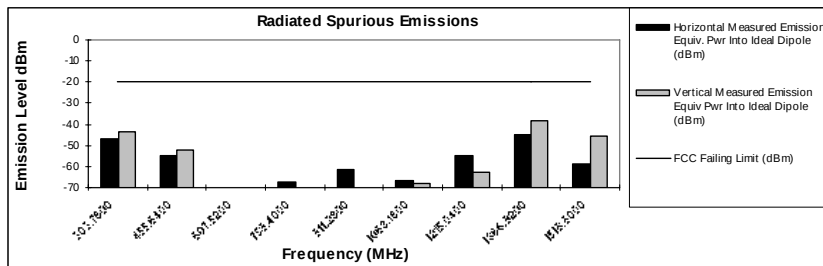
Transmit Radiated Spurious Emissions: Fixed Antenna RDV2020

Tx Power: 1 Watts

151.88 MHz

Channel Spacing 12.5KHZ | S/N #001

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
303.7600	-20	-46.83	-43.60
455.6400	-20	-54.86	-52.40
607.5200	-20	*	*
759.4000	-20	-67.35	*
911.2800	-20	-61.29	*
1063.1600	-20	-66.94	-68.00
1215.0400	-20	-55.04	-62.93
1366.9200	-20	-44.83	-38.54
1518.8000	-20	-58.72	-45.35



* 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

October 2, 2006

EXHIBIT 6E-1



MOTOROLA

FCC ID: AZ489FT3823

1 Watt

Motorola Inc.

FCC ID:AZ489FT3823

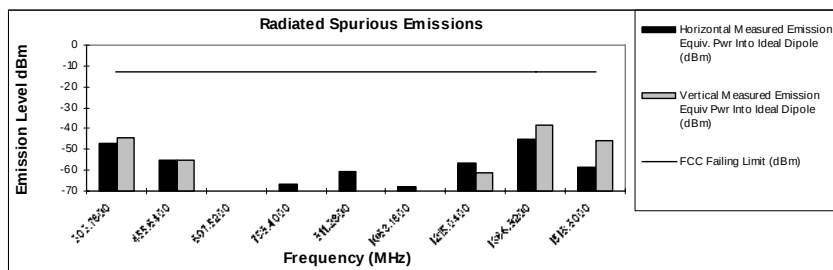
Transmit Radiated Spurious Emissions:Fixed Antenna RDV2020

Tx Power: 1 Watts

151.88 MHz

Channel Spacing 25KHZ | S/N #001

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
303.7600	-13	-47.19	-44.58
455.6400	-13	-55.18	-55.10
607.5200	-13	*	*
759.4000	-13	-66.96	*
911.2800	-13	-60.84	*
1063.1600	-13	-67.84	*
1215.0400	-13	-56.27	-61.25
1366.9200	-13	-44.84	-38.70
1518.8000	-13	-58.54	-45.54



* 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

October 2, 2006

EXHIBIT 6E-2



MOTOROLA

FCC ID: AZ489FT3823

2 Watt

Motorola Inc.

FCC ID:AZ489FT3823

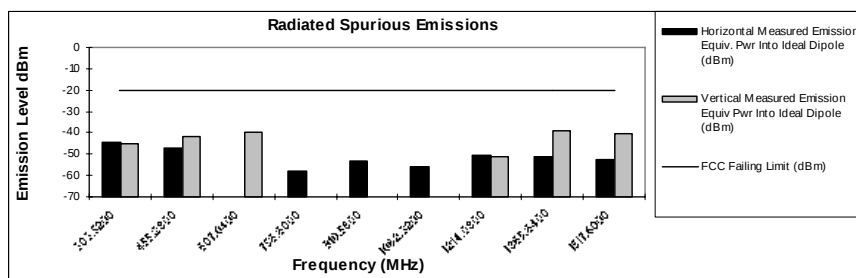
Transmit Radiated Spurious Emissions: Fixed Antenna RDV2020

Tx Power: 2 Watts

151.76 MHz

Channel Spacing 12.5KHZ | S/N #001

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
303.5200	-20	-44.55	-44.77
455.2800	-20	-46.84	-41.80
607.0400	-20	*	-39.79
758.8000	-20	-58.18	*
910.5600	-20	-53.46	*
1062.3200	-20	-55.72	*
1214.0800	-20	-50.39	-51.42
1365.8400	-20	-51.22	-38.95
1517.6000	-20	-52.52	-40.12



* 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

September 29, 2006

EXHIBIT 6E-3

**MOTOROLA**

FCC ID: AZ489FT3823

2 Watt

Motorola Inc.

FCC ID:AZ489FT3823

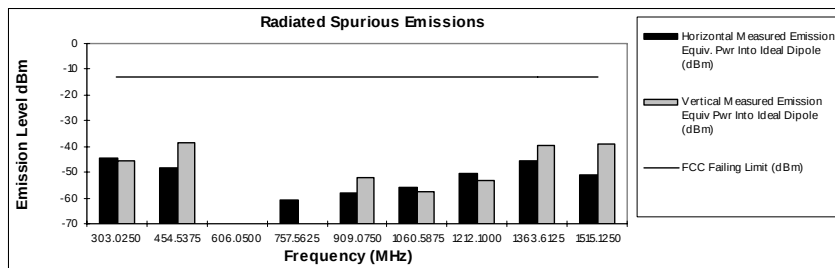
Transmit Radiated Spurious Emissions: Fixed Antenna RDV2020

Tx Power: 2 Watts

151.5125 MHz

Channel Spacing 25KHZ | S/N #001

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
303.0250	-13	-44.42	-45.41
454.5375	-13	-48.11	-38.44
606.0500	-13	*	*
757.5625	-13	-60.77	*
909.0750	-13	-58.08	-52.07
1060.5875	-13	-55.72	-57.56
1212.1000	-13	-50.23	-53.01
1363.6125	-13	-45.52	-39.87
1515.1250	-13	-50.84	-38.90

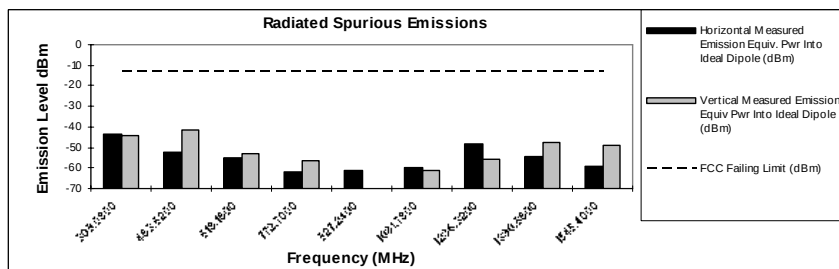
**Transmit Radiated Spurious Emissions: Fixed Antenna RDV2020**

Tx Power: 2 Watts

154.54 MHz

Channel Spacing 25KHZ | S/N #001

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
309.0800	-13	-43.57	-44.40
463.6200	-13	-52.31	-41.64
618.1600	-13	-55.29	-53.34
772.7000	-13	-61.56	-56.12
927.2400	-13	-61.25	*
1081.7800	-13	-60.09	-61.31
1236.3200	-13	-48.30	-55.91
1390.8600	-13	-54.25	-47.71
1545.4000	-13	-59.07	-49.06



* 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

September 29, 2006

EXHIBIT 6E-4



MOTOROLA

FCC ID: AZ489FT3823

Frequency Stability over Temperature

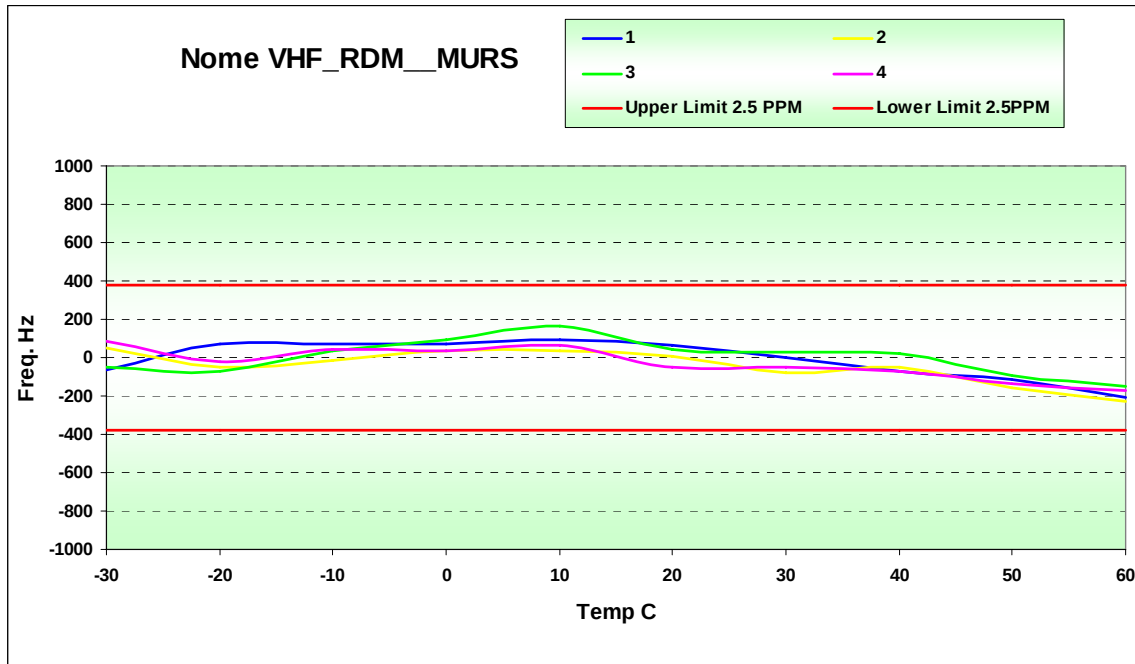


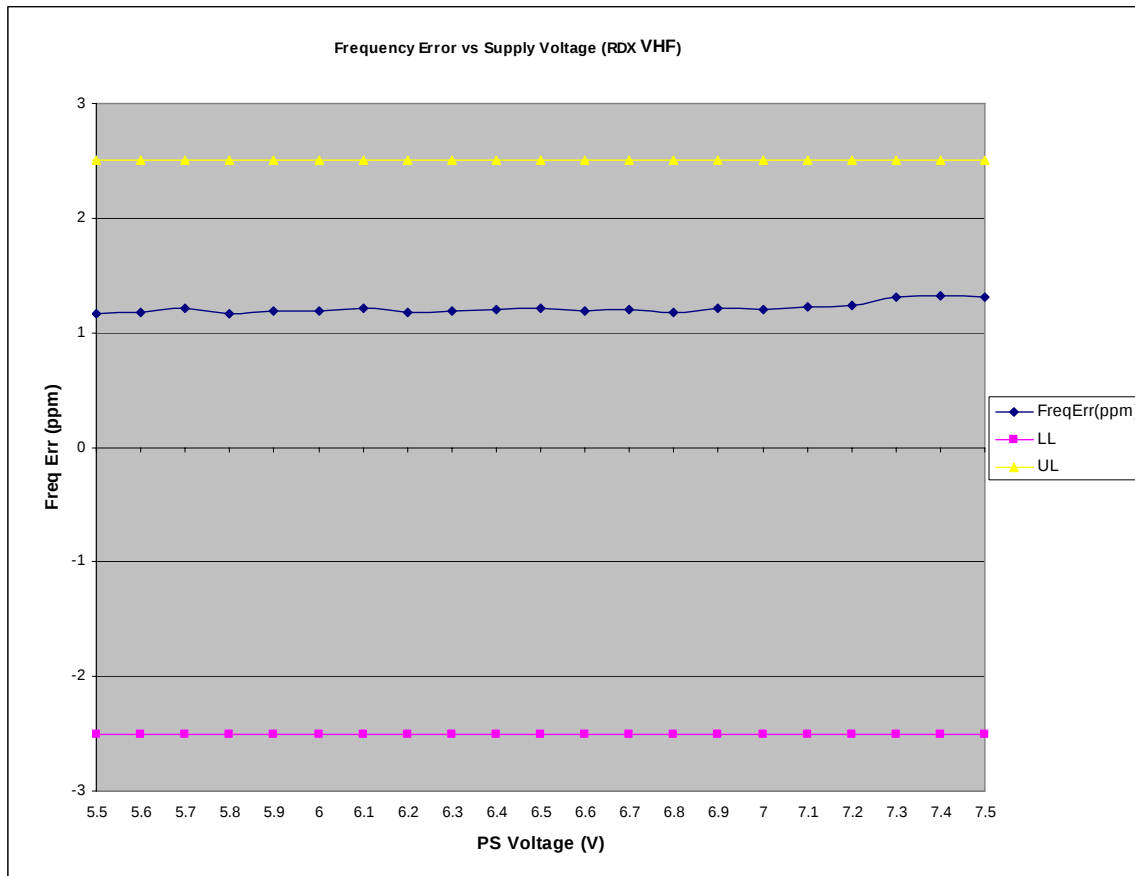
EXHIBIT 6F-1



MOTOROLA

FCC ID: AZ489FT3823

Frequency Error over Voltage



Reset Voltage 5.0 Volts

EXHIBIT 6F-2