Test Report

MEASUREMENT		EXHIBIT	NUMBER OF PAGES
I	RF Power Output	6A	1
II	Radiated / Conducted Spurious Emission 4Watt	6B	8

RF POWER OUTPUT DATA

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

2.0 Watt

Frequency	464.5500 MHz
Measured Conducted RF output*	2. 0 Watts
Normal DC Voltage	7.80 Volts
Normal DC Current	450 milli-amps
Primary Supply Voltage	7.80 Volts

4.0 Watt

Frequency	464.5500 MHz
Measured Conducted RF output*	4.20 Watts
Normal DC Voltage	7.80 Volts
Normal DC Current	1.1 Amps
Primary Supply Voltage	7.80 Volts

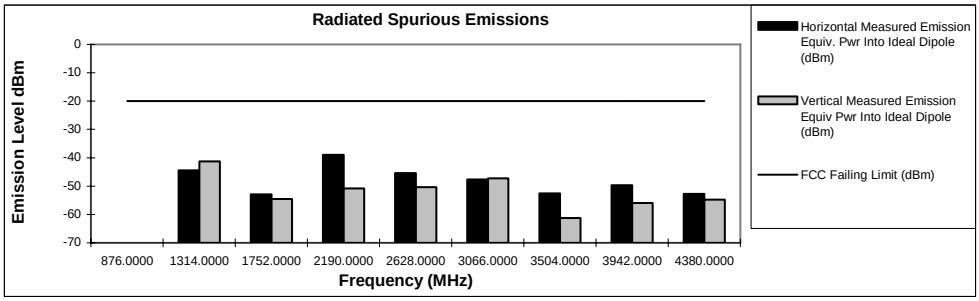
*Note: RF Conducted output power measured at 7.80Volts

Transmit Radiated Spurious Emissions: RDU4100

Tx Power: 4.2 Watts

438 MHz **Channel Spacing 12.5kHz | S/N 158TJAE790**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
876.0000	-20	*	*
1314.0000	-20	-44.45	-41.31
1752.0000	-20	-52.93	-54.56
2190.0000	-20	-39.00	-50.78
2628.0000	-20	-45.45	-50.41
3066.0000	-20	-47.63	-47.32
3504.0000	-20	-52.61	-61.22
3942.0000	-20	-49.67	-55.94
4380.0000	-20	-52.78	-54.83

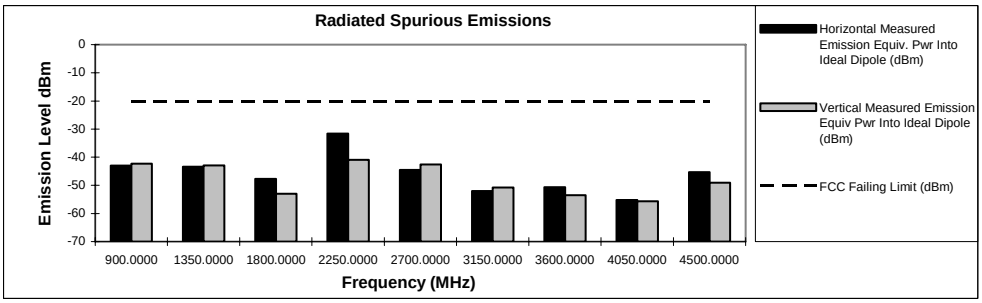


Transmit Radiated Spurious Emissions: RDU4100

Tx Power: 4.2 Watts

450 MHz **Channel Spacing 12.5kHz | S/N 158TJAE790**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0000	-20	-43.00	-42.27
1350.0000	-20	-43.41	-42.95
1800.0000	-20	-47.69	-53.02
2250.0000	-20	-31.62	-40.97
2700.0000	-20	-44.57	-42.58
3150.0000	-20	-52.01	-50.77
3600.0000	-20	-50.71	-53.50
4050.0000	-20	-55.19	-55.66
4500.0000	-20	-45.29	-49.09



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

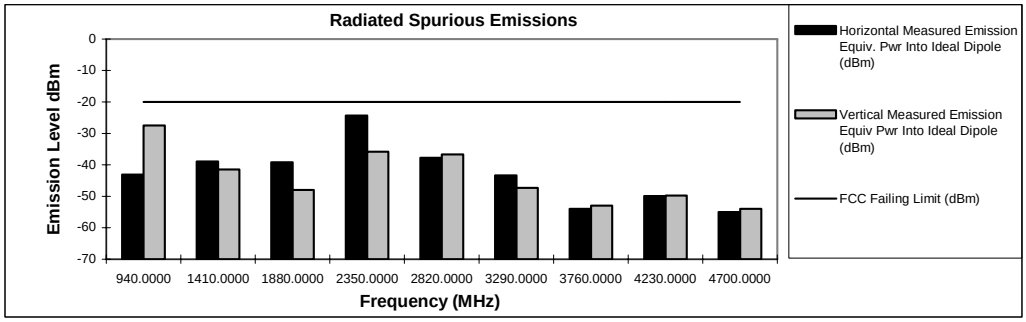
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Transmit Radiated Spurious Emissions: RDU4100

Tx Power: 4.2 Watts

470 MHz **Channel Spacing 12.5kHz | S/N 158TJAE790**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
940.0000	-20	-43.12	-27.52
1410.0000	-20	-38.88	-41.47
1880.0000	-20	-39.21	-47.97
2350.0000	-20	-24.31	-35.81
2820.0000	-20	-37.73	-36.67
3290.0000	-20	-43.32	-47.34
3760.0000	-20	-54.03	-53.00
4230.0000	-20	-49.89	-49.74
4700.0000	-20	-55.00	-53.97



* 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: Don West **March 4, 2008**
FCC Registration: 91932 / Industry Canada: IC3679A-1

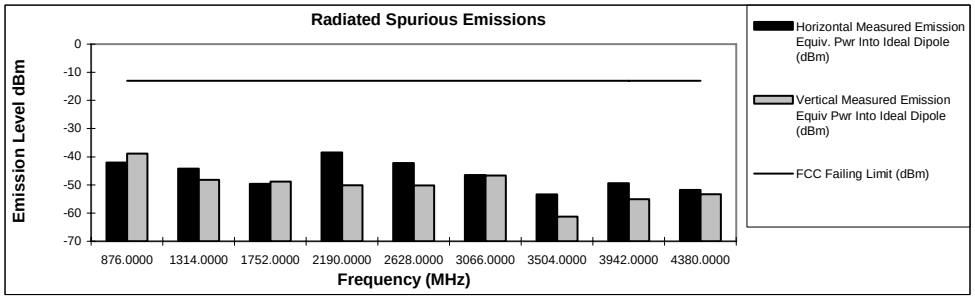
Motorola Inc. **FCC ID:AZ489FT4882**

Transmit Radiated Spurious Emissions: RDU4100

Tx Power: 4.2 Watts

438 MHz **Channel Spacing 25kHz | S/N 158TJAE790**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
876.0000	-13	-42.10	-38.91
1314.0000	-13	-44.16	-48.21
1752.0000	-13	-49.59	-48.80
2190.0000	-13	-38.43	-50.07
2628.0000	-13	-42.24	-50.17
3066.0000	-13	-46.51	-46.67
3504.0000	-13	-53.43	-61.23
3942.0000	-13	-49.43	-55.06
4380.0000	-13	-51.78	-53.28

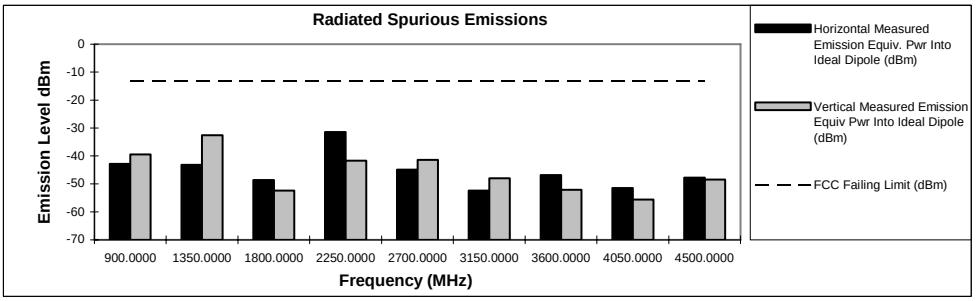


Transmit Radiated Spurious Emissions: RDU4100

Tx Power: 4.2 Watts

450 MHz **Channel Spacing 25kHz | S/N 158TJAE790**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0000	-13	-42.83	-39.43
1350.0000	-13	-43.23	-32.58
1800.0000	-13	-48.67	-52.40
2250.0000	-13	-31.48	-41.67
2700.0000	-13	-44.84	-41.42
3150.0000	-13	-52.32	-47.99
3600.0000	-13	-46.88	-52.12
4050.0000	-13	-51.51	-55.55
4500.0000	-13	-47.74	-48.45



* 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: Don West **March 4, 2008**
FCC Registration: 91932 / Industry Canada: IC3679A-1

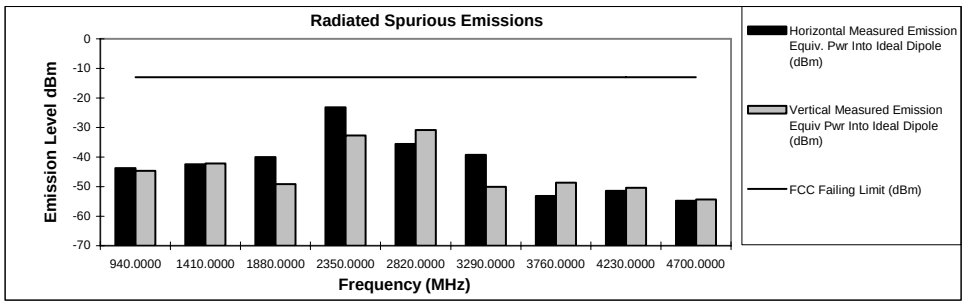
Motorola Inc. **FCC ID:AZ489FT4882**

Transmit Radiated Spurious Emissions: RDU4100

Tx Power: 4.2 Watts

470 MHz **Channel Spacing 25kHz | S/N 158TJAE790**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
940.0000	-13	-43.78	-44.68
1410.0000	-13	-42.39	-42.20
1880.0000	-13	-40.04	-49.18
2350.0000	-13	-23.15	-32.69
2820.0000	-13	-35.55	-30.80
3290.0000	-13	-39.27	-50.09
3760.0000	-13	-53.18	-48.65
4230.0000	-13	-51.45	-50.42
4700.0000	-13	-54.73	-54.35



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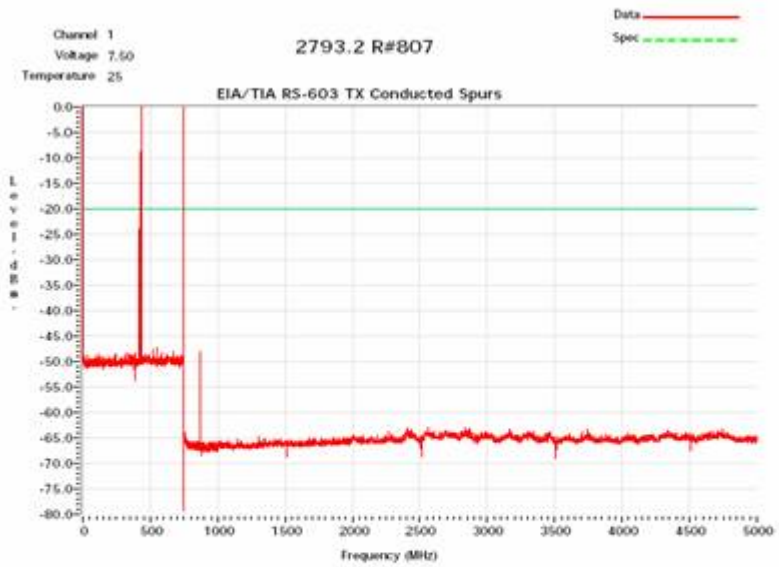
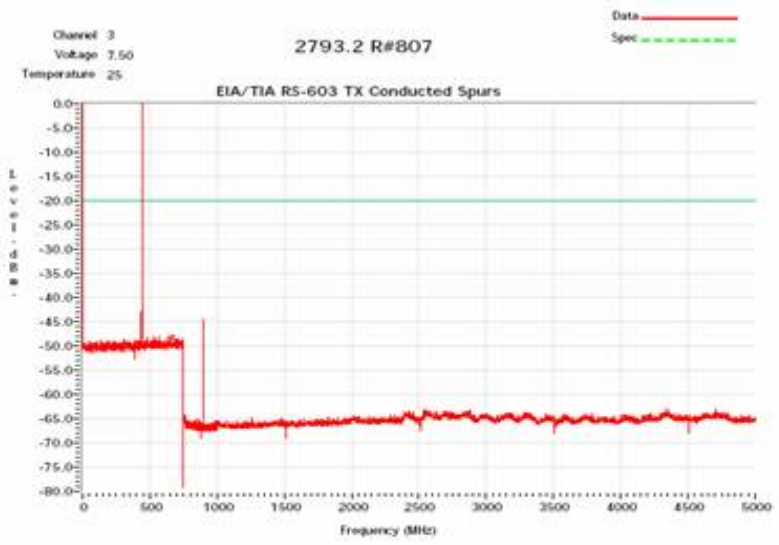
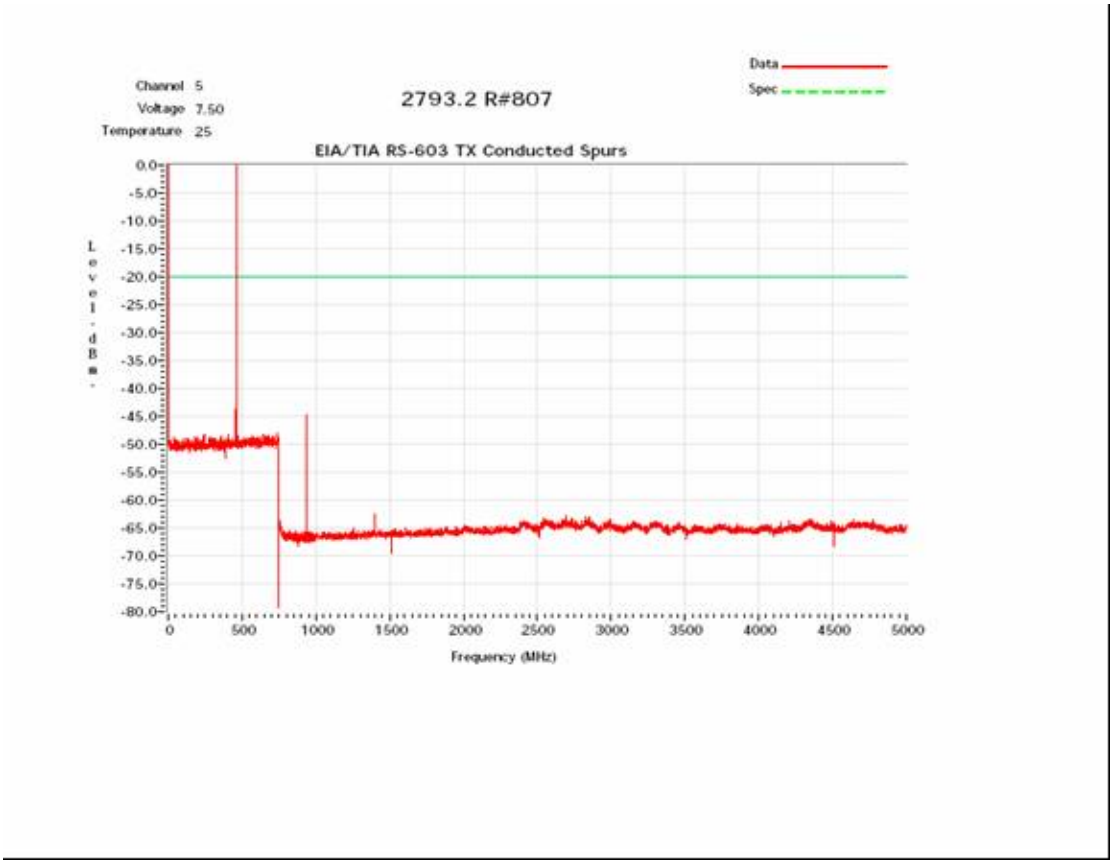
Motorola Plantation EMC Lab – Test Performed by: Don West **March 4, 2008**
FCC Registration: 91932 / Industry Canada: IC3679A-1

Conducted Emission 12.5 kHz

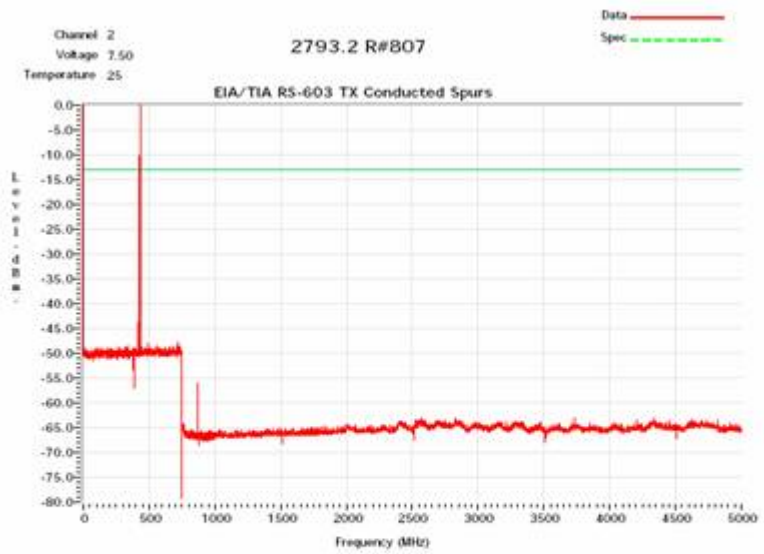


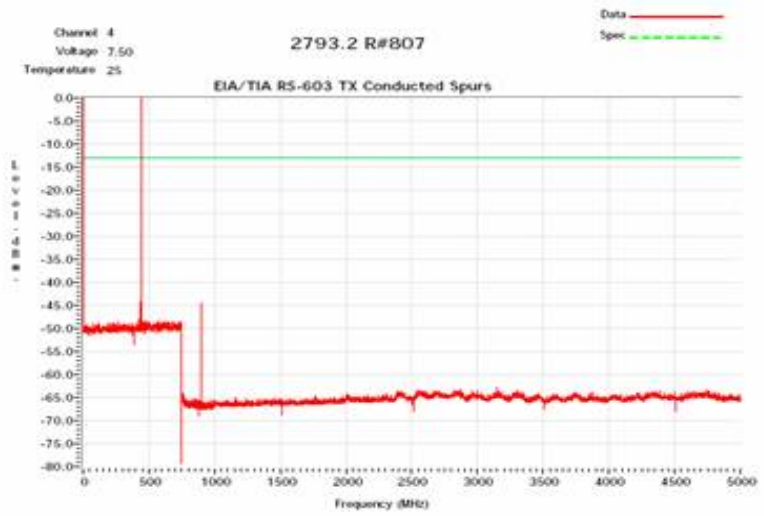


Conducted Emission 12.5 kHz



Conducted Emission 25 kHz





Conducted Emission 25 kHz