

Submitted Measured Data

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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.

425.05 MHz

Measured RF output	5.7 Watts
Nominal DC voltage	7.5 Volts
Nominal DC Current	2.1 Amps
Primary Supply Voltage	7.5 Volts
Measured RF output	2.3 Watts
Nominal DC voltage	7.5 Volts
Nominal DC Current	1.24 Amps
Primary Supply Voltage	7.5 Volts
Measured RF output	1.0 Watt
Nominal DC voltage	7.5 Volts
Nominal DC Current	0.81 Amps
Primary Supply Voltage	7.5 Volts

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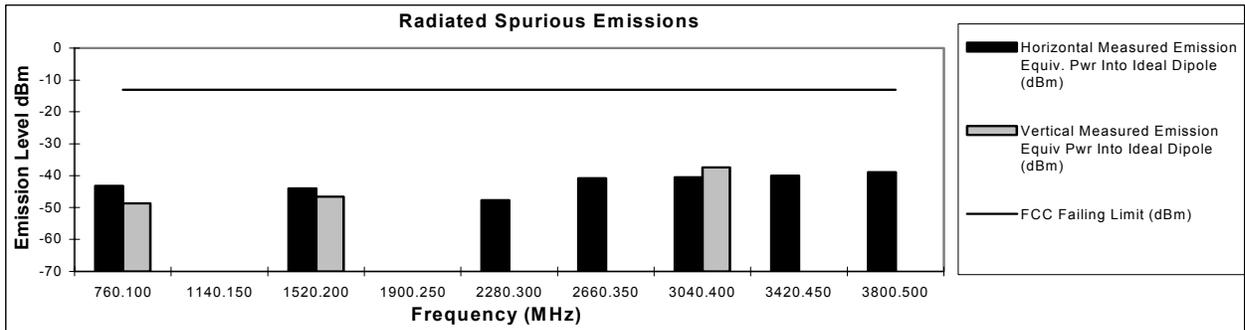
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 5 Watts

380.05 MHz

Channel Spacing 25kHz | S/N 203041547

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.100	-13	-43.27	-48.71
1140.150	-13	*	*
1520.200	-13	-43.99	-46.58
1900.250	-13	*	*
2280.300	-13	-47.64	*
2660.350	-13	-40.77	*
3040.400	-13	-40.48	-37.44
3420.450	-13	-39.96	*
3800.500	-13	-38.93	*



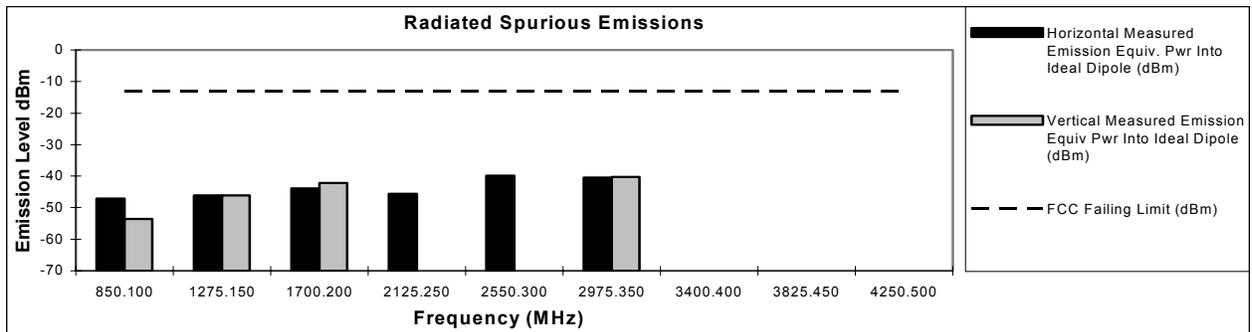
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 5 Watts

425.05 MHz

Channel Spacing 25kHz | S/N 203041547

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
850.100	-13	-47.12	-53.56
1275.150	-13	-46.11	-46.14
1700.200	-13	-43.93	-42.14
2125.250	-13	-45.63	*
2550.300	-13	-39.82	*
2975.350	-13	-40.45	-40.28
3400.400	-13	*	*
3825.450	-13	*	*
4250.500	-13	*	*



* 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.

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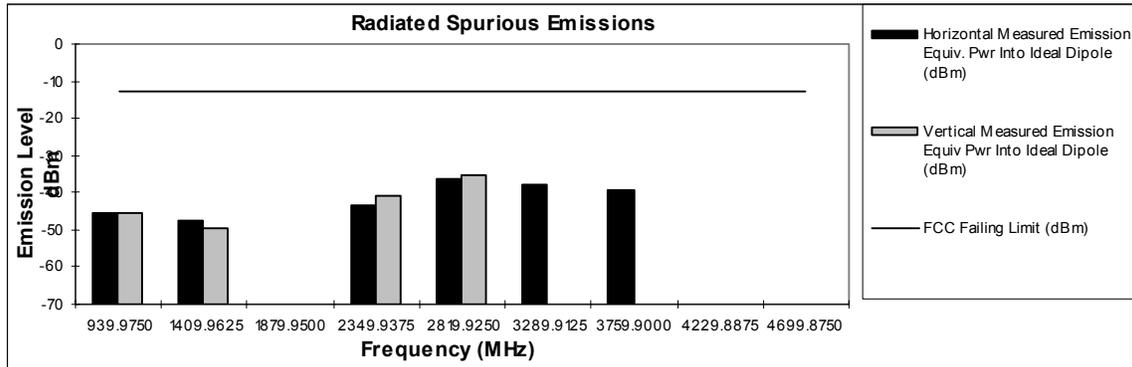
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 5 Watts

469.9875 MHz

Channel Spacing 25kHz | S/N 203041547

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-13	-45.46	-45.54
1409.9625	-13	-47.43	-49.62
1879.9500	-13	*	*
2349.9375	-13	-43.45	-40.82
2819.9250	-13	-36.16	-35.03
3289.9125	-13	-37.82	*
3759.9000	-13	-39.27	*
4229.8875	-13	*	*
4699.8750	-13	*	*



* 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: Frank Baader
FCC Registration: 91932 / Industry Canada: IC3679

August 8, 2004

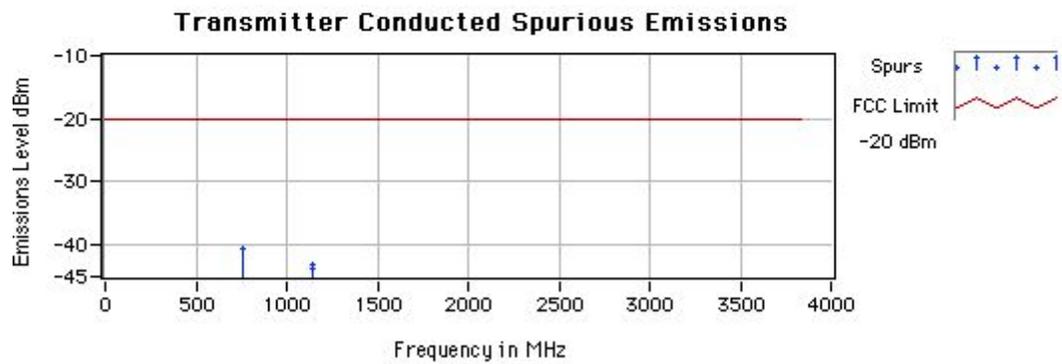
Transmitter Conducted Spurious Emissions

FREQ: 380.05000 MHz

Power 5.0 W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
760.30000	-20.0	-40.7
1138.00000	-20.0	-43.2
1142.00000	-20.0	-43.8



All Transmitter Spurious Emissions tested to the 10th Harmonic

Motorola Plantation ATE Lab

Tuesday, 10th August 2004

Test Performed By :

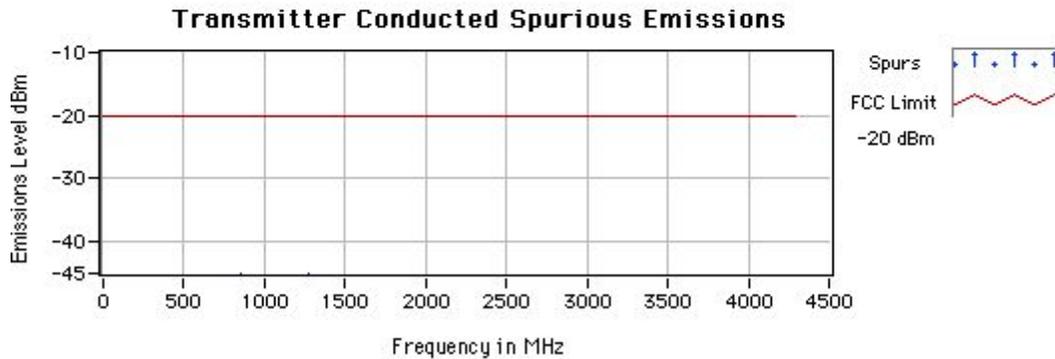
Transmitter Conducted Spurious Emissions

FREQ: 425.05000 MHz

Power 5.0 W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
849.00000	-20.0	-46.9
1271.00000	-20.0	-46.2



All Transmitter Spurious Emissions tested to the 10th Harmonic

Motorola Plantation ATE Lab

Tuesday, 10th August 2004

Test Performed By :

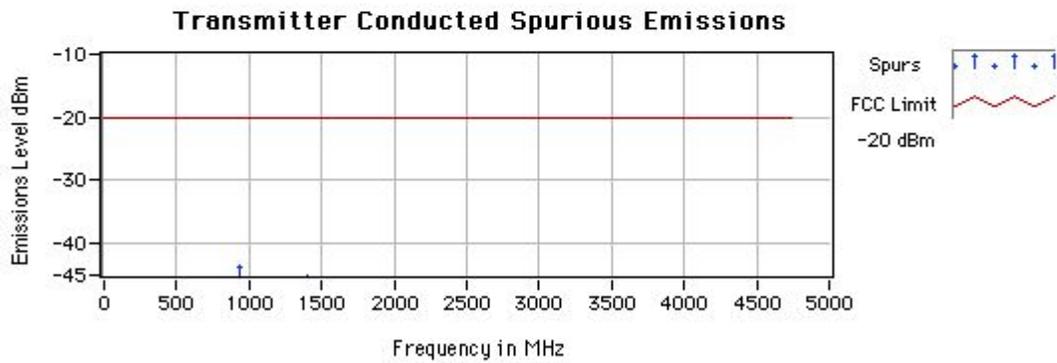
Transmitter Conducted Spurious Emissions

FREQ: 469.05000 MHz

Power 5.0 W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
935.50000	-20.0	-43.6
1400.00000	-20.0	-49.9



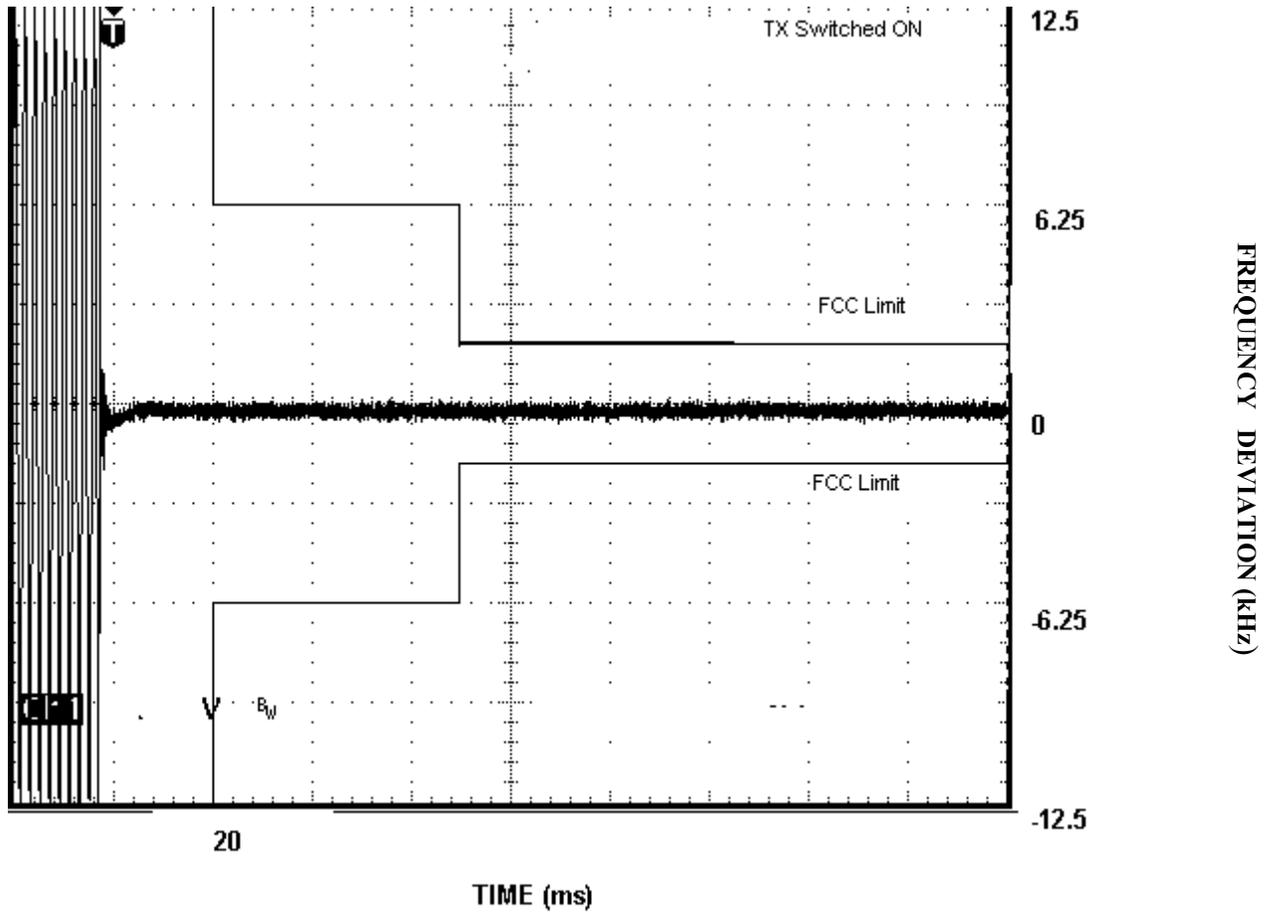
All Transmitter Spurious Emissions tested to the 10th Harmonic

Motorola Plantation ATE Lab

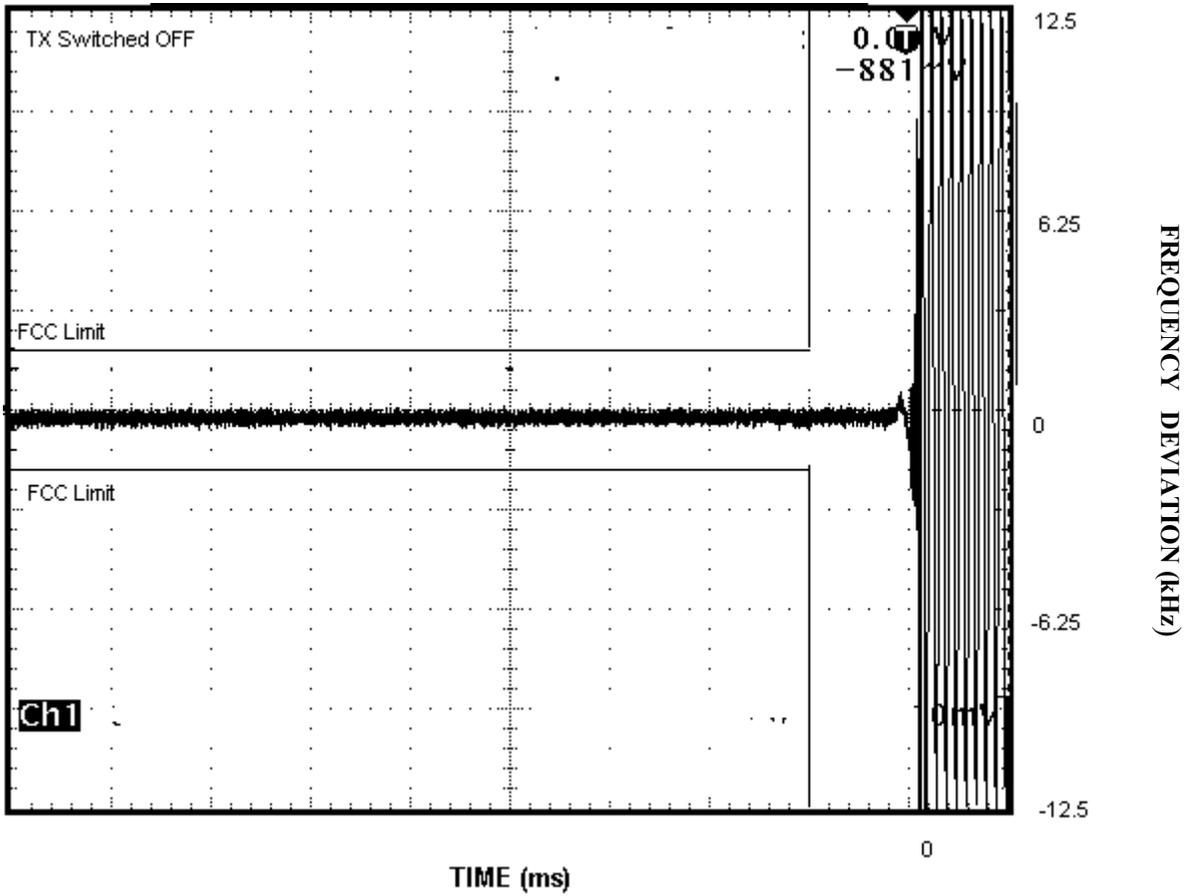
Tuesday, 10th August 2004

Test Performed By :

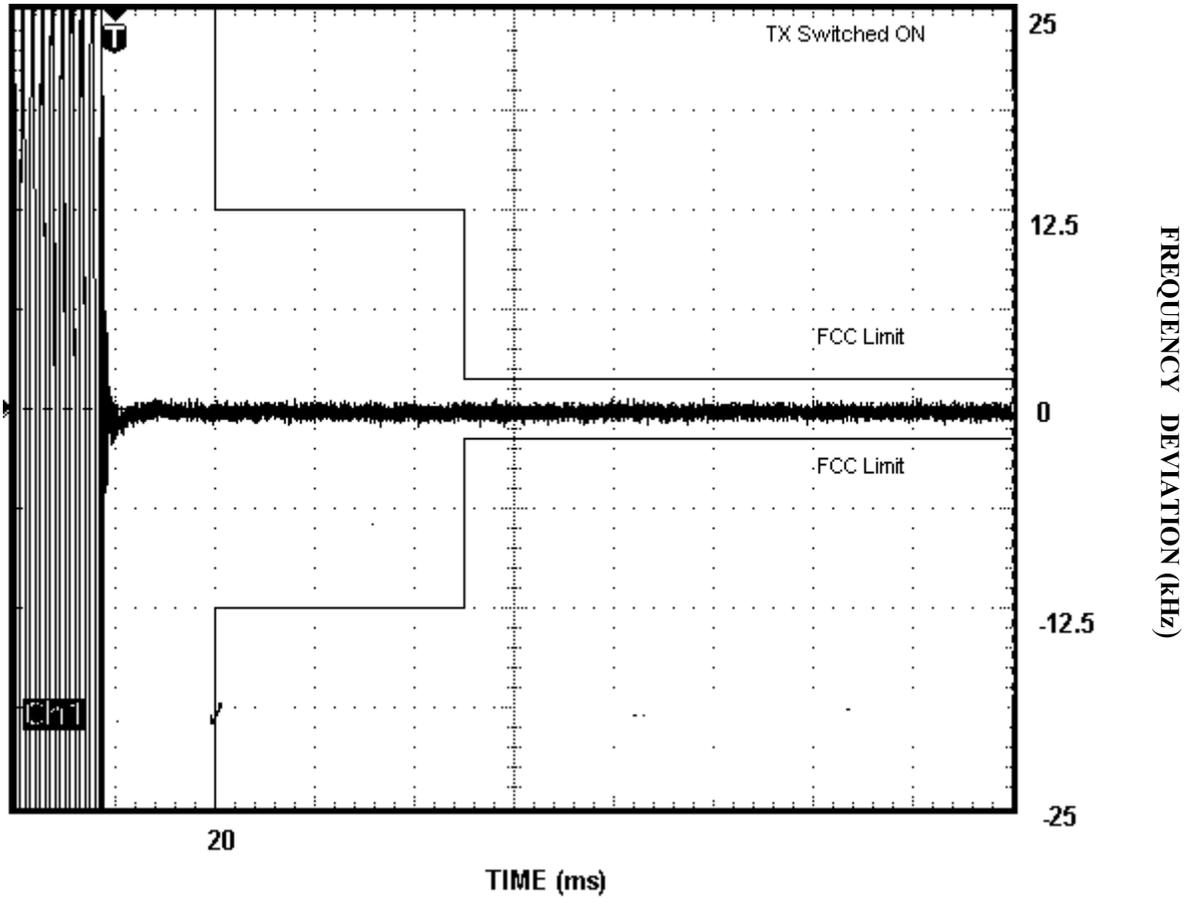
Transmitter Transient Frequency Behavior
Frequency = 425.000 MHz, Channel Spacing = 12.5 kHz, TX ON



Transmitter Transient Frequency Behavior
Frequency = 425.000 MHz, Channel Spacing = 12.5 kHz, TX OFF



Transmitter Transient Frequency Behavior
Frequency = 425.000 MHz, Channel Spacing = 25 kHz, TX ON



Transmitter Transient Frequency Behavior
Frequency = 425.000 MHz, Channel Spacing = 25 kHz, TX OFF

