

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	2.8 Watts
Nominal DC voltage	7.5 Volts
Nominal DC Current	1.117 Amps
Primary Supply Voltage	7.5 Volts

Measured RF output	.026 Watts
Nominal DC voltage	7.5 Volts
Nominal DC Current	.272 Amps
Primary Supply Voltage	7.5 Volts

Measured RF output	.020 Watts
Nominal DC voltage	7.5 Volts
Nominal DC Current	.262 Amps
Primary Supply Voltage	7.5 Volts

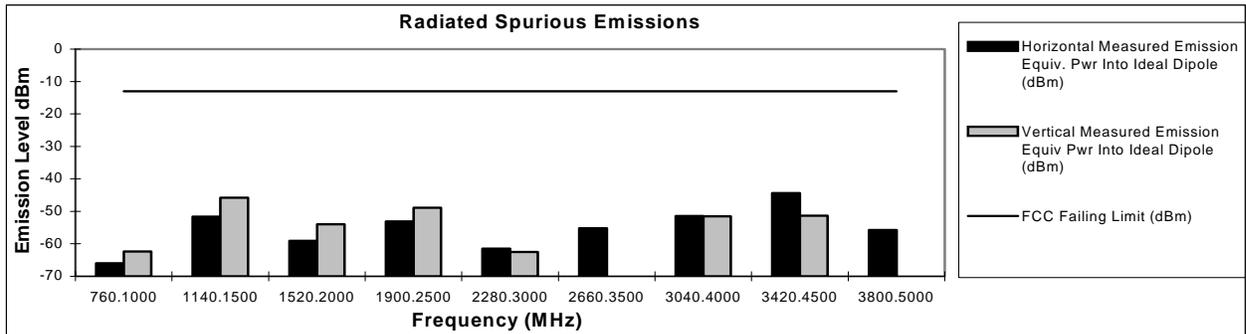
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 2.8 Watts

380.05 MHz

Channel Spacing 25kHz | S/N CAY04DVW3

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.1000	-13	-65.95	-62.36
1140.1500	-13	-51.58	-45.77
1520.2000	-13	-59.08	-53.94
1900.2500	-13	-53.13	-48.91
2280.3000	-13	-61.50	-62.51
2660.3500	-13	-55.24	*
3040.4000	-13	-51.38	-51.49
3420.4500	-13	-44.37	-51.34
3800.5000	-13	-55.71	*



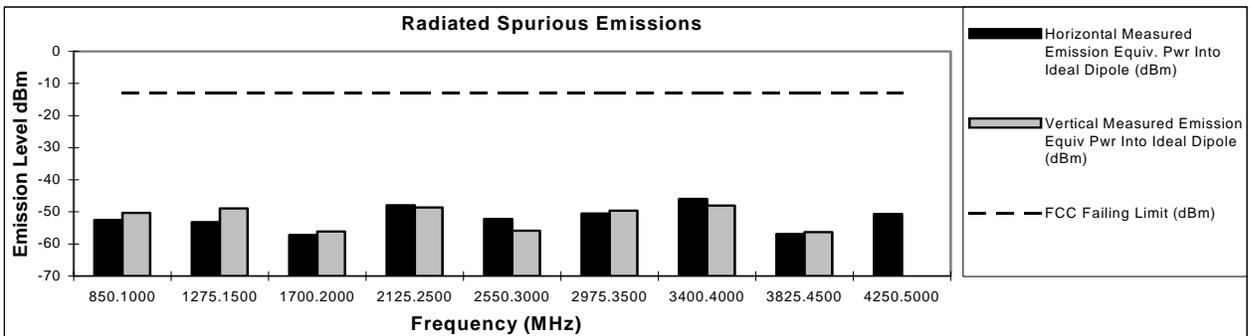
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 2.8 Watts

425.05 MHz

Channel Spacing 25kHz | S/N CAY04DVW3

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
850.1000	-13	-52.58	-50.32
1275.1500	-13	-53.15	-48.93
1700.2000	-13	-57.19	-56.09
2125.2500	-13	-47.95	-48.67
2550.3000	-13	-52.15	-55.81
2975.3500	-13	-50.46	-49.56
3400.4000	-13	-45.96	-48.00
3825.4500	-13	-56.94	-56.26
4250.5000	-13	-50.65	*



* 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.

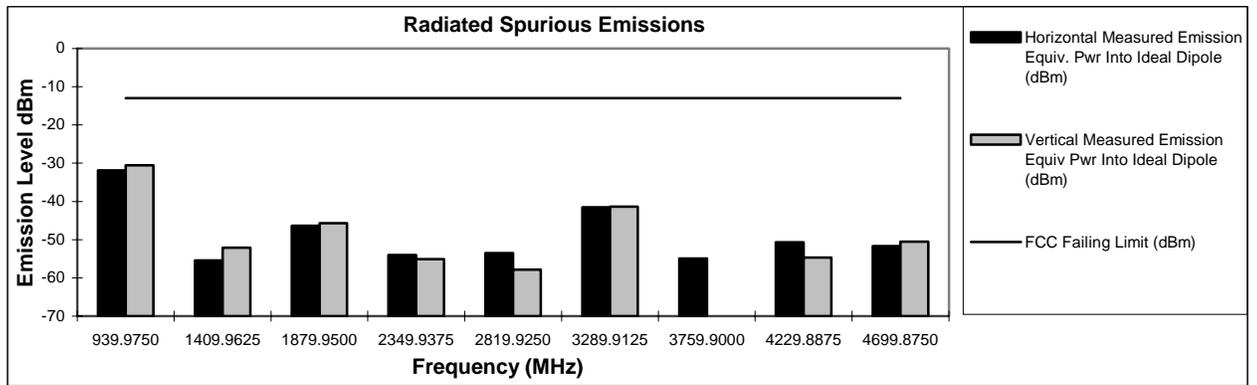
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 2.8 Watts

469.9875 MHz

Channel Spacing 25kHz | S/N CAY04DVW3

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	-31.87	-30.51
1409.9625	-13	-55.41	-52.08
1879.9500	-13	-46.36	-45.71
2349.9375	-13	-53.99	-55.06
2819.9250	-13	-53.54	-57.81
3289.9125	-13	-41.53	-41.41
3759.9000	-13	-54.94	*
4229.8875	-13	-50.67	-54.72
4699.8750	-13	-51.68	-50.56



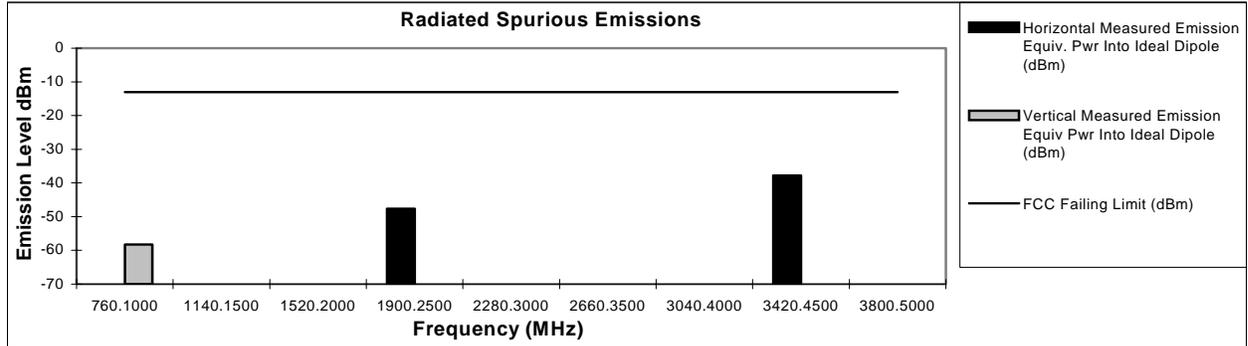
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 0.02 Watts

380.05 MHz

Channel Spacing 25kHz | S/N 201041635

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.1000	-13	*	-58.32
1140.1500	-13	*	*
1520.2000	-13	*	*
1900.2500	-13	-47.63	*
2280.3000	-13	*	*
2660.3500	-13	*	*
3040.4000	-13	*	*
3420.4500	-13	-37.80	*
3800.5000	-13	*	*



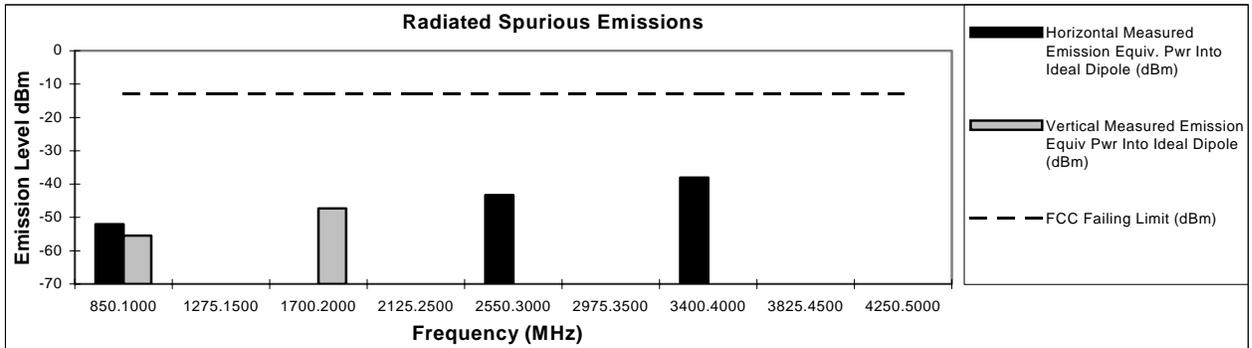
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 0.02 Watts

425.05 MHz

Channel Spacing 25kHz | S/N 201041635

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
850.1000	-13	-52.05	-55.50
1275.1500	-13	*	*
1700.2000	-13	*	-47.31
2125.2500	-13	*	*
2550.3000	-13	-43.28	*
2975.3500	-13	*	*
3400.4000	-13	-37.99	*
3825.4500	-13	*	*
4250.5000	-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.

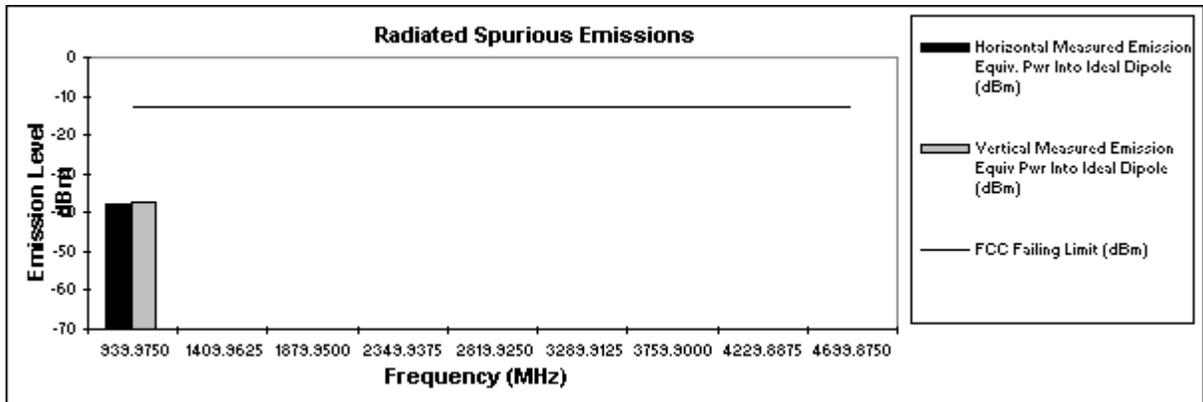
Transmit Radiated Spurious Emissions: XTS5000

Tx Power: 0.02 Watts

469.9875 MHz

Channel Spacing 25kHz | S/N 201041635

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	-38.03	-37.30
1409.9625	-13	*	*
1879.9500	-13	*	*
2349.9375	-13	*	*
2819.9250	-13	*	*
3289.9125	-13	*	*
3759.9000	-13	*	*
4229.8875	-13	*	*
4699.8750	-13	*	*



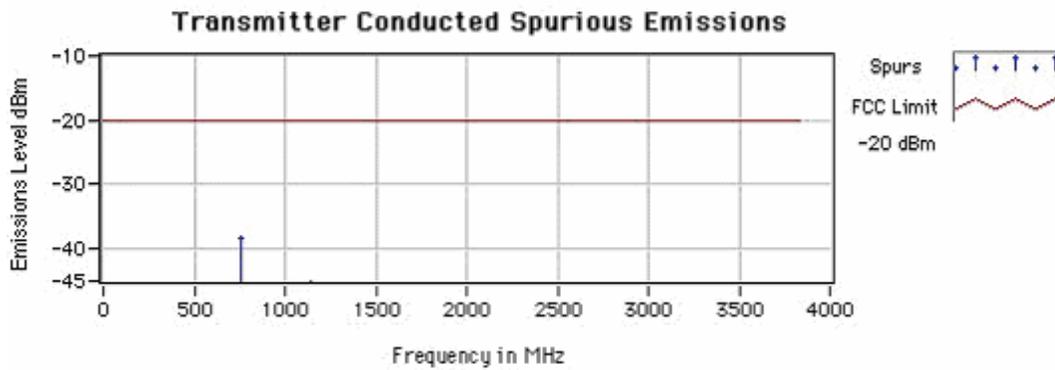
Transmitter Conducted Spurious Emissions

FREQ: 380.05000 MHz

Power 2.2W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
760.30000	-20.0	-38.3
1138.00000	-20.0	-46.5



All Transmitter Spurious Emissions tested to the 10th Harmonic

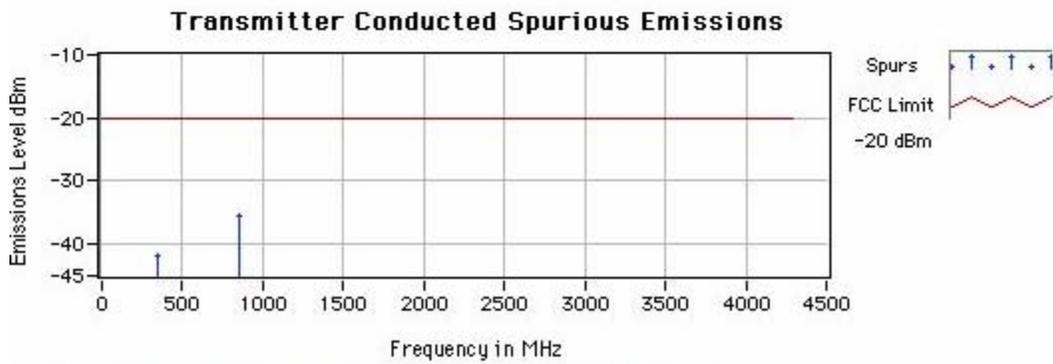
Transmitter Conducted Spurious Emissions

FREQ: 425.05000 MHz

Power 2.2W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
343.60000	-20.0	-41.9
849.00000	-20.0	-35.5



All Transmitter Spurious Emissions tested to the 10th Harmonic

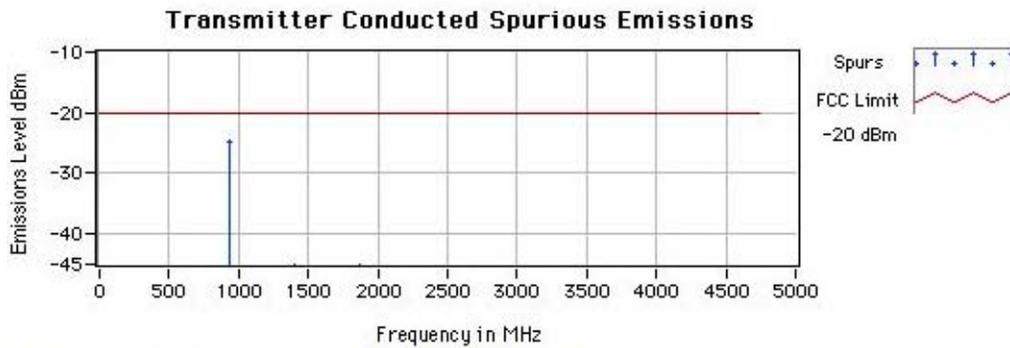
Transmitter Conducted Spurious Emissions

FREQ: 469.05000 MHz

Power 2.2W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
937.50000	-20.0	-24.7
1404.00000	-20.0	-49.4
1866.00000	-20.0	-48.1



All Transmitter Spurious Emissions tested to the 10th Harmonic

Motorola Plantation ATE Lab

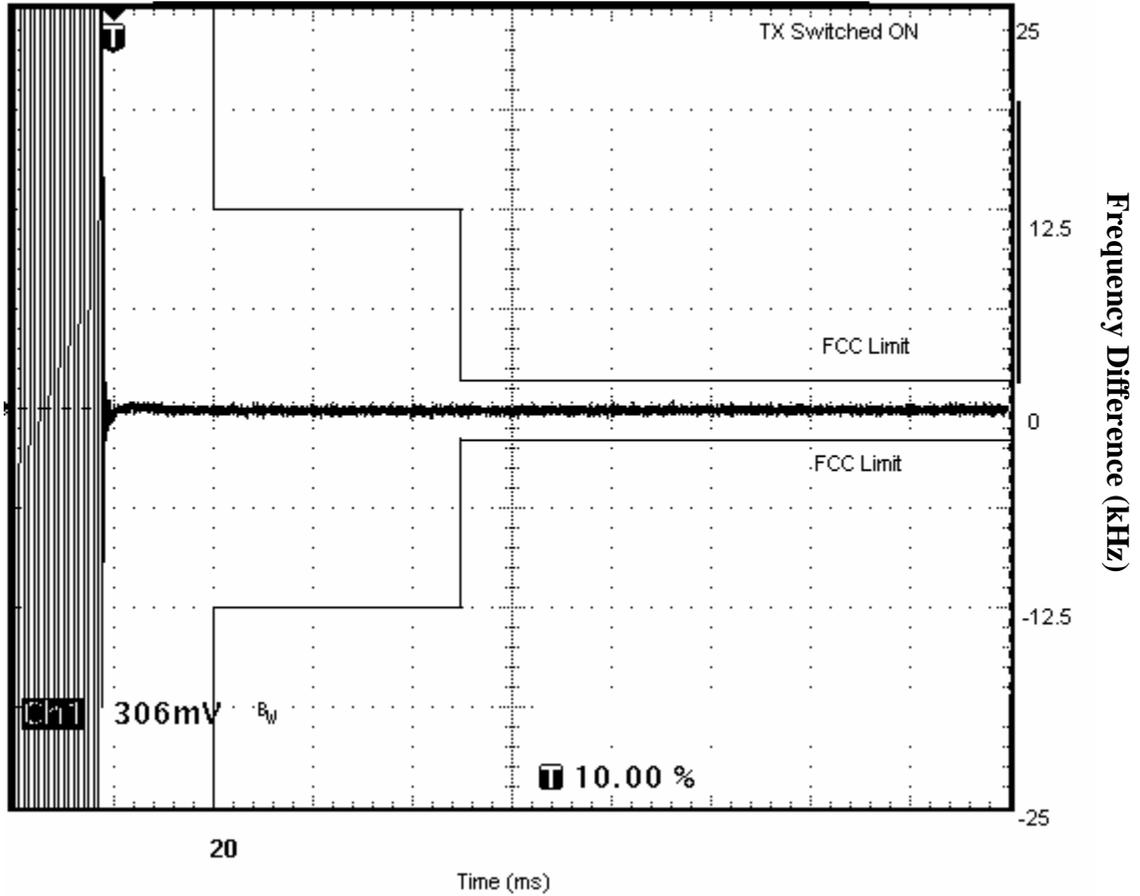
Friday, 20th August 2004

EXHIBIT 6C

TRANSMITTER TRANSIENT FREQUENCY BEHAVIOUR

FREQUENCY =425.025 MHz, CHANNEL SPACING =25 kHz

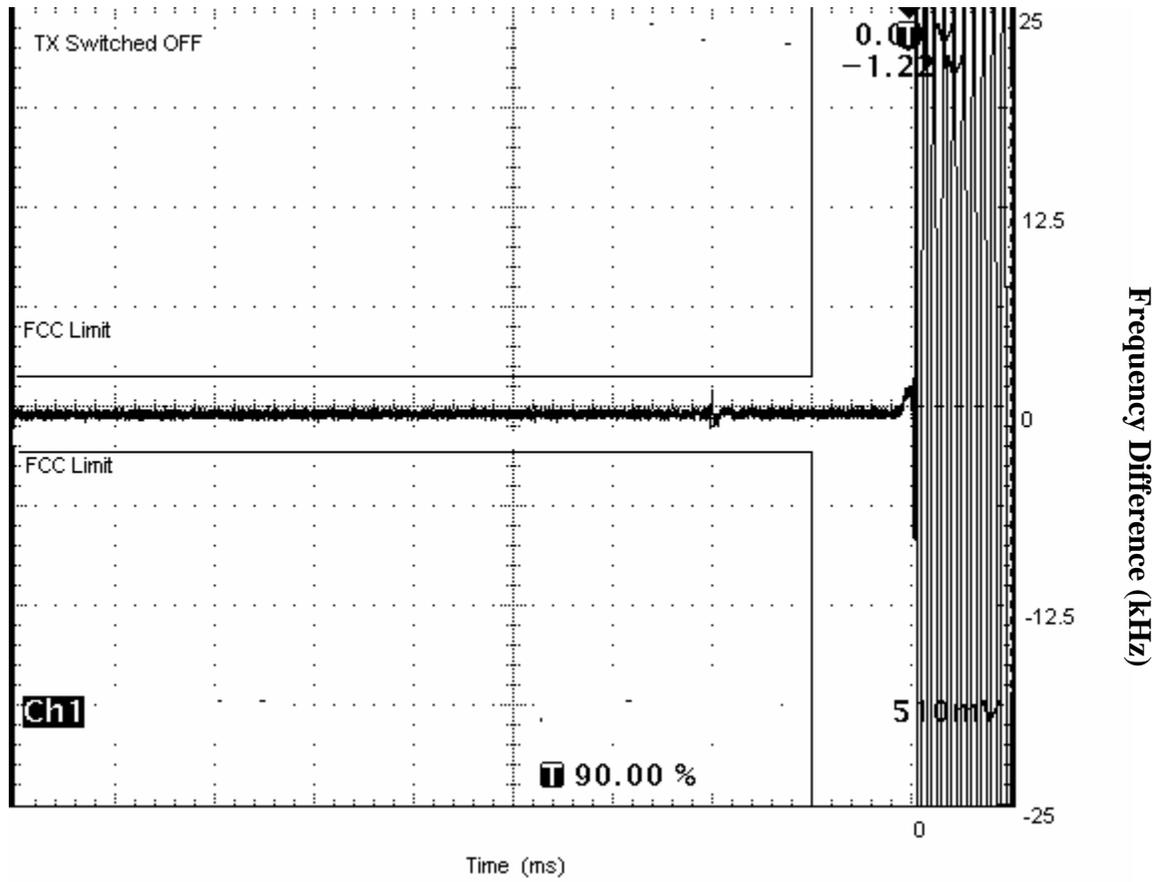
TX SWITCHED ON



TRANSMITTER TRANSIENT FREQUENCY BEHAVIOUR

FREQUENCY =425.025 MHz, CHANNEL SPACING =25 kHz

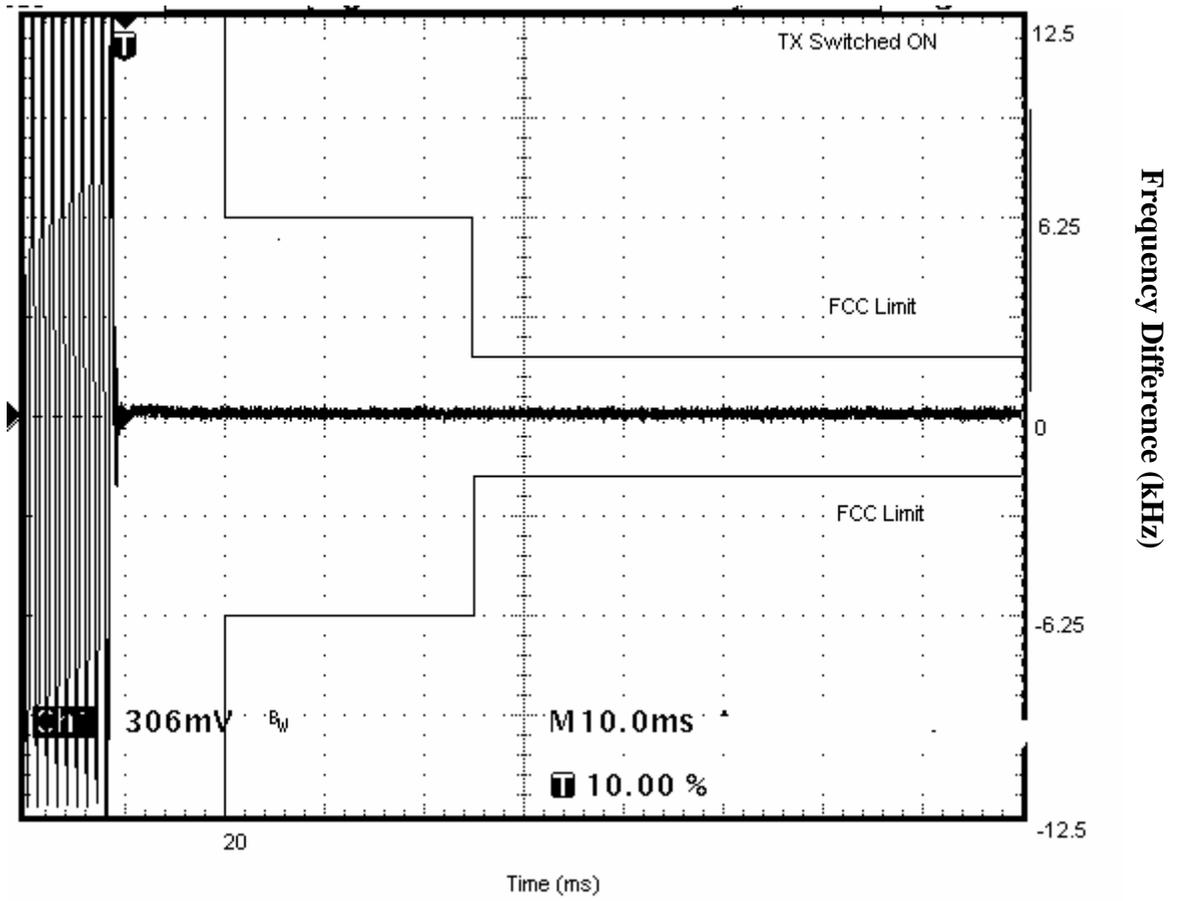
TX SWITCH OFF



TRANSMITTER TRANSIENT FREQUENCY BEHAVIOUR

FREQUENCY =425.025 MHz, CHANNEL SPACING =12.5 kHz

TX SWITCH ON



TRANSMITTER TRANSIENT FREQUENCY BEHAVIOUR

FREQUENCY =425.025 MHz, CHANNEL SPACING =12.5 kHz

TX SWITCH OFF

