Submitted Measured Data

MEAS	<u>UREMENT</u>	<u>EXHIBIT</u>	NUMBER OF PAGES
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2.	Audio Frequency Response	6B	1
3.	Low Pass Filter Response	6C	1
4.	Modulation Limiting	6D	1
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6.	Radiated Spurious Emissions	6F	2
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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.

469.0125 MHz

Measured RF output	5.00 Watts
Nominal DC voltage	7.5 Volts
Nominal DC Current	1.92 Amps
Primary Supply Voltage	7.5 Volts
Measured RF output	2.0 Watts
Nominal DC voltage	7.5 Volts
Nominal DC Current	1.13 Amps
Primary Supply Voltage	7.5 Volts

EXHIBIT 6A

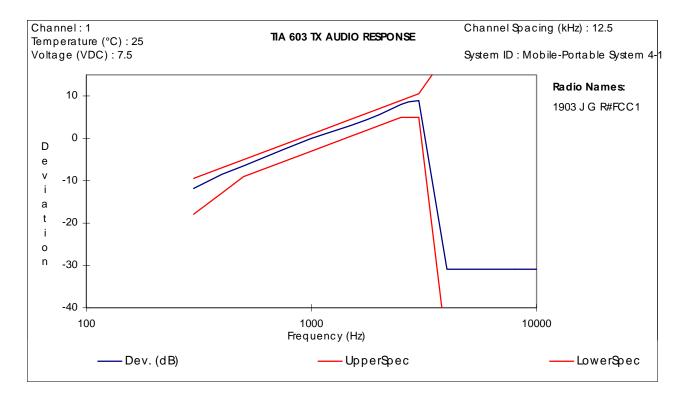


EXHIBIT 6B-1



EXHIBIT 6B-2

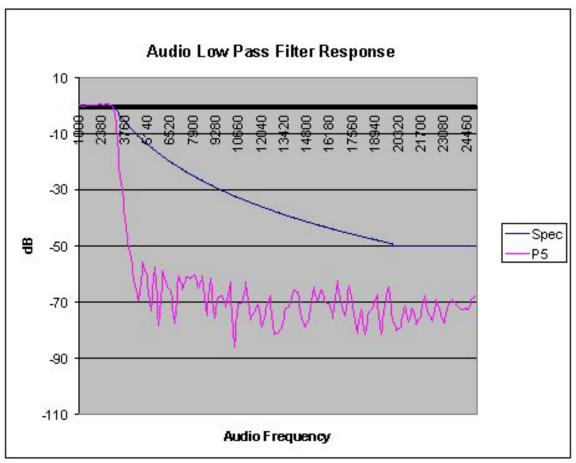


EXHIBIT 6C

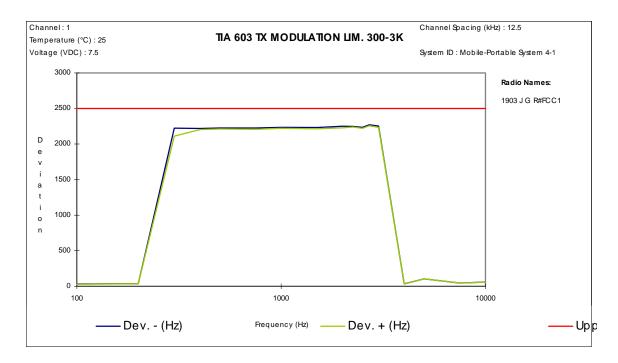


EXHIBIT 6D-1

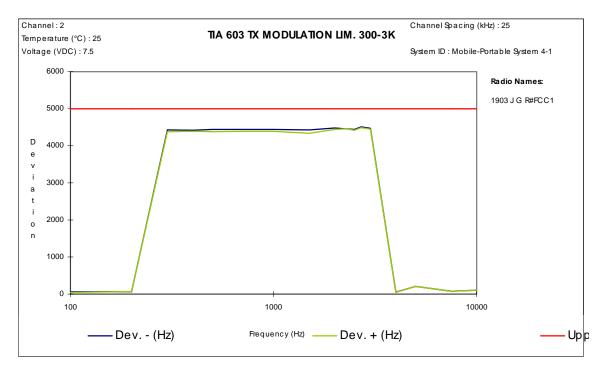


EXHIBIT 6D-2

Percentage Modulation Versus Modulation Frequency and Input Level Frequency = 469.0625 MHz Channel Spacing = 25.0 kHz

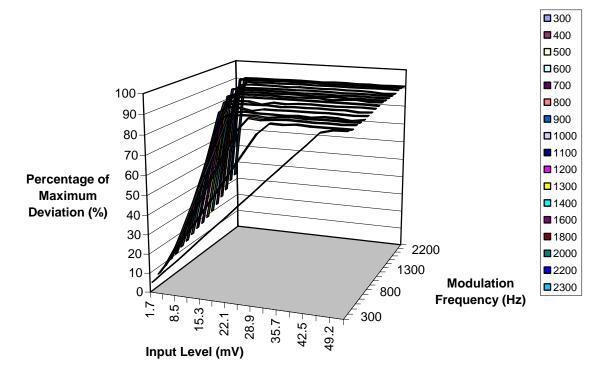


EXHIBIT 6D-3

Percentage Modulation Versus Modulation Frequency and Input Level Frequency = 469.0625 MHz Channel Spacing = 12.5 kHz

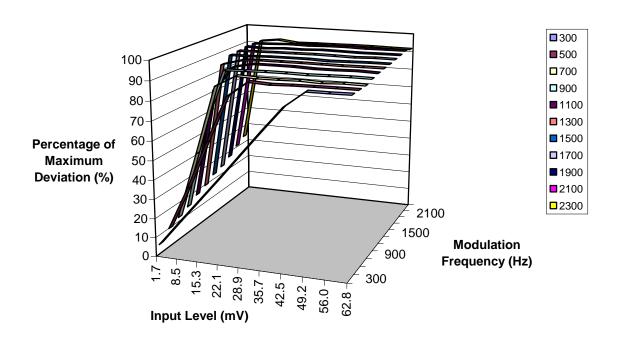


EXHIBIT 6D-4

Applicant: Motorola Inc. FCC ID: AZ489FT4861

Occupied Bandwidth Data

BANDWIDTH CALCULATIONS:

Carson's Rule for FM modulation is utilized to compute the bandwidth shown in the FCC emission

designator. Carson's Rule is: BW = 2 * (M + D) where: BW = Bandwidth

M= Maximum modulating frequency

D = Deviation

Shown below are the calculations required for FCC ID: AZ489FT4861.

EXHIBIT 6E-1

Standard Audio Modulation (12.5 kHz Channelization, Analog Voice):

Emission Designator 11K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

BW = 2(M+D) = 2*(3.0 kHz + 2.5 kHz) = 11 kHz ===> 11K0

F3E portion of the designator indicates voice.

Therefore, the entire designator for 12.5 KHz channelization analog voice is 11K0F3E.

EXHIBIT 6E-2

Standard Audio Modulation (25 kHz Channelization, Analog Voice):

Emission Designator 16K0F3E

In this case, the maximum modulating frequency is 3 kHz with a 5 kHz deviation.

BW = 2(M+D) = 2*(3 kHz + 5 kHz) = 16 kHz ===> 16K0

F3E portion of the designator indicates voice.

Therefore, the entire designator for 25 kHz channelization analog voice is 16K0F3E.

EXHIBIT 6E-3

<u>Digital (12.5 kHz Channelization, Digital Data):</u>

Emission Designator 8K10F1D

Measurements per Rule Part 2.202 Section C (4) were done because Part 2.202 Section g Table III A, 1 formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X KHz, in this case, 8.10 kHz Measurements were performed in accordance with TIA/EIA TSB102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1D portion of the designator indicates digital data.

Therefore, the entire designator for 12.5 kHz channelization digital data is 8K10F1D.

EXHIBIT 6E

EXHIBIT 6E-4

Digital (12.5 kHz Channelization, Digital Voice):

Emission Designator 8K10F1E

Measurements per Rule Part 2.202 Section C (4) were done because Part 2.202 Section g Table III A, 1 formulation produces an excessive result using the value of K recommended in the Table. Therefore, the 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X KHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA TSB102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 12.5 kHz channelization digital voice is 8K10F1E.

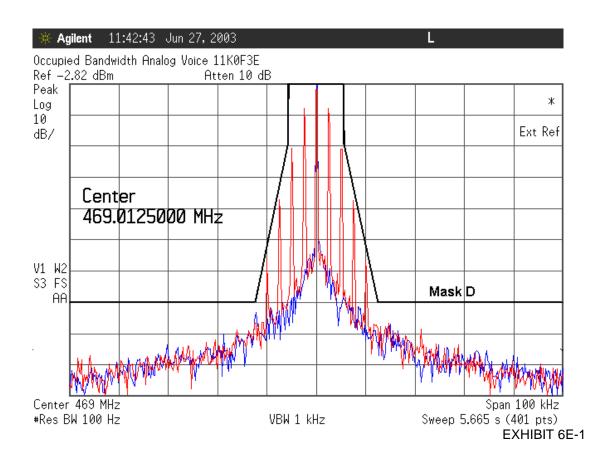
EXHIBIT 6E-5

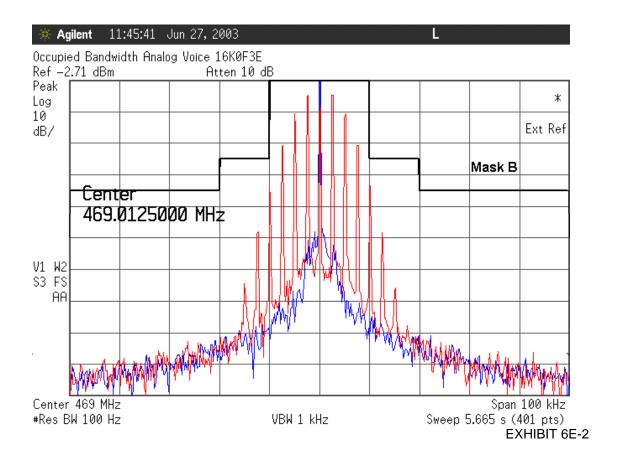
<u>Digital Modulation (20 kHz Channelization, Digital Voice with encryption):</u>
Emission Designator 20K0F1E

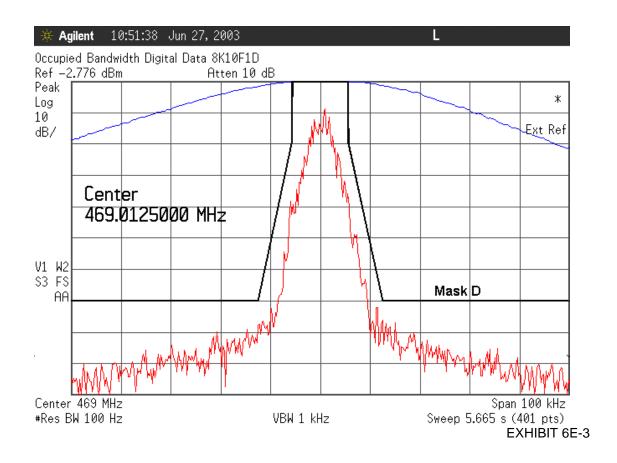
In this case, the maximum modulating frequency is 6 kHz with a 4 kHz deviation.

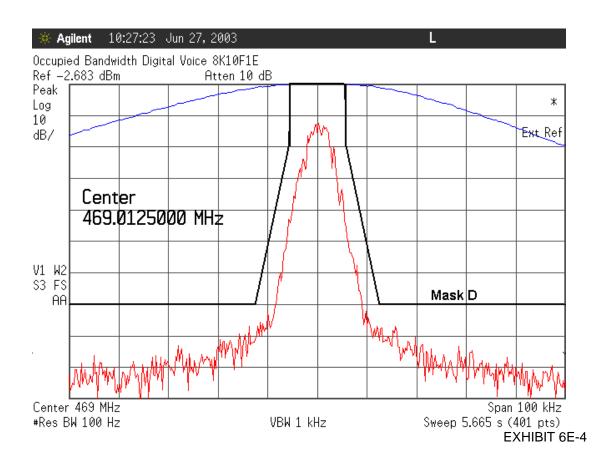
BW = 2(M+D) = 2*(6 kHz + 4 kHz) = 20 kHz ===> 20K0F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 20 kHz channelization analog voice is 20K0F1E.









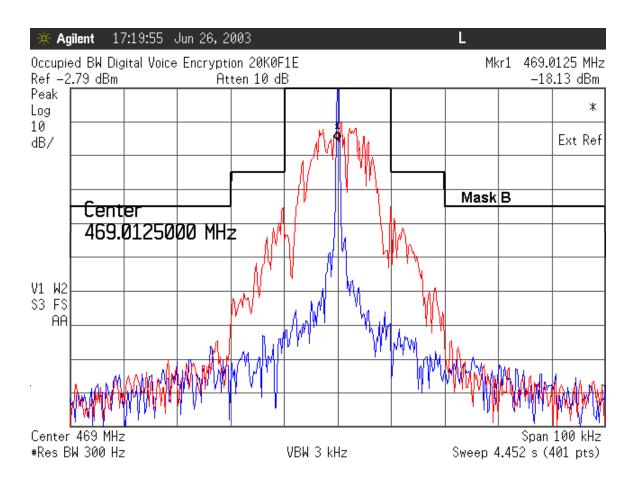


EXHIBIT 6E-5

Transmitter Radiated Spurious Emissions: NYPD SSE 5000

450.0125 MHz 5 Watts Channel Spacing 25KHZ | S/N FCC #1

			<u> </u>	l e
Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0250	-13	-20	-41.88	-48.07
1350.0375	-13	-20	-43.06	-44.36
1800.0500	-13	-20	-38.72	*
2250.0625	-13	-20	-33.50	-36.89
2700.0750	-13	-20	-30.28	-30.13
3150.0875	-13	-20	*	-35.75
3600.1000	-13	-20	*	*
4050.1125	-13	-20	*	*
4500.1250	-13	-20	*	*

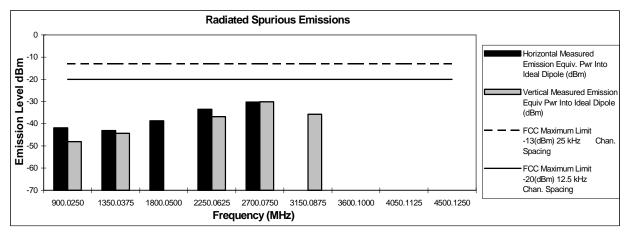
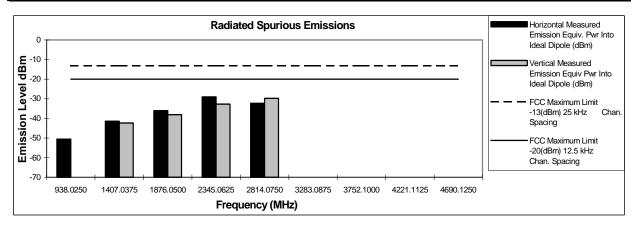


Exhibit 6F-1

Transmitter Radiated Spurious Emissions: NYPD SSE 5000

469.0125 MHz 5 Watts Channel Spacing 25KHZ | S/N FCC #1

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
938.0250	-13	-20	-50.49	*
1407.0375	-13	-20	-41.37	-42.31
1876.0500	-13	-20	-36.01	-38.11
2345.0625	-13	-20	-29.06	-32.68
2814.0750	-13	-20	-32.31	-29.69
3283.0875	-13	-20	*	*
3752.1000	-13	-20	*	*
4221.1125	-13	-20	*	*
4690.1250	-13	-20	*	*



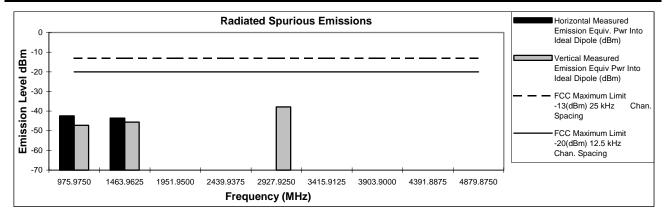
^{*} Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

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

Transmitter Radiated Spurious Emissions: NYPD SSE 5000

487.9875 MHz 5 Watts

Frequency (MHz)	FCC Maximum Limit -13(dBm) 25 kHz Chan. Spacing	FCC Maximum Limit -20(dBm) 12.5 kHz Chan. Spacing	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
975.9750	-13	-20	-42.43	-47.20
1463.9625	-13	-20	-43.54	-45.58
1951.9500	-13	-20	*	*
2439.9375	-13	-20	*	*
2927.9250	-13	-20	*	-37.87
3415.9125	-13	-20	*	*
3903.9000	-13	-20	*	*
4391.8875	-13	-20	*	*
4879.8750	-13	-20	*	*



^{*} Indicates the spurious emission was less than -70dBm or could not be detected due to noise limitations or ambients.

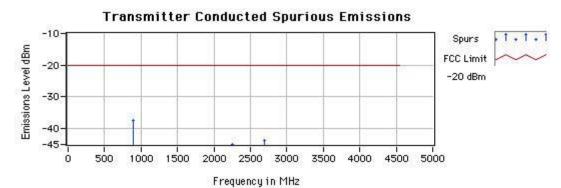
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document. EXHIBIT 6F-3 Transmitter Conducted Spurious Emissions

FREQ: 450.01250 MHz

Power 5.0 W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
898.80000	-20.0	-37.5
2246.00000	-20.0	-44.9
2248.00000	-20.0	-46.2
2690.00000	-20.0	-43.6



All Transmitter Spurious Emissions tested to the 10th Harmonic

Motorola Plantation ATE Lab

Thursday, 26 th June 2003

Test Performed By: Jerry Simpson

Exhibit 6G – 1 (12.5kHz Ch Sp)

Applicant: Motorola Inc. FCC ID: AZ489FT4861

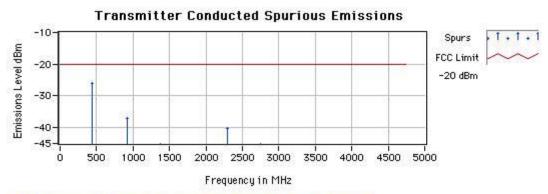
Transmitter Conducted Spurious Emissions

FREQ: 469.01250 MHz

Power 5.0 W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
444.00000	-20.0	-26.2
916.30000	-20.0	-37.1
1372.00000	-20.0	-49.3
2291.00000	-20.0	-40.3
2744.00000	-20.0	-48.6



All Transmitter Spurious Emissions tested to the 10th Harmonic

Motorola Plantation ATE Lab

Thursday, 26 th June 2003

Test Performed By: Jerry Simpson

Exhibit 6G – 2 (12.5kHz Ch Sp)

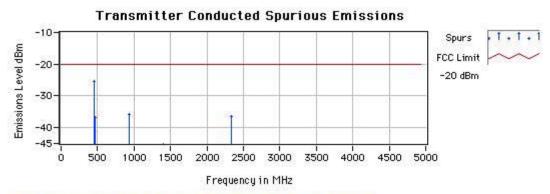
Transmitter Conducted Spurious Emissions

FREQ: 487.98750 MHz

Power 5.0 W

Channel Spacing: 12.50 kHz

Spurious Frequency	FCC Limit	Measured Value (dBm)
454.50000	-20.0	-25.4
463.50000	-20.0	-36.9
936.00000	-20.0	-35.9
1401.00000	-20.0	-48.9
2340.00000	-20.0	-36.4



All Transmitter Spurious Emissions tested to the 10th Harmonic

Motorola Plantation ATE Lab

Thursday, 26 th June 2003

Test Performed By: Jerry Simpson

Exhibit 6G – 3 (12.5kHz Ch Sp)

FREQUENCY STABILITY

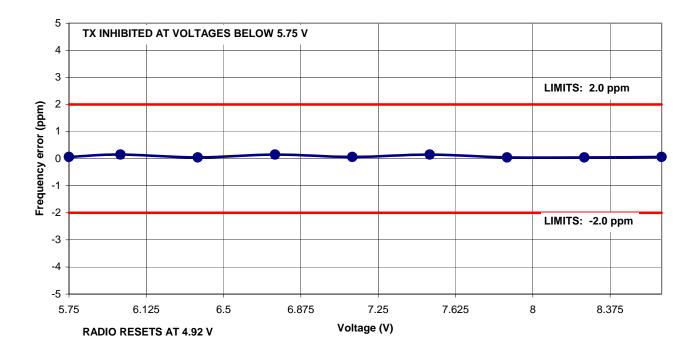


EXHIBIT 6H-1

FREQUENCY STABILITY

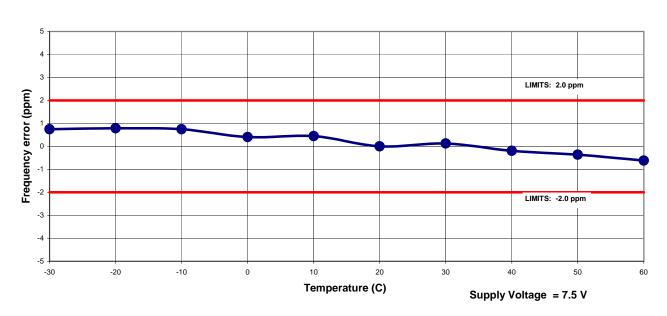


EXHIBIT 6H-2



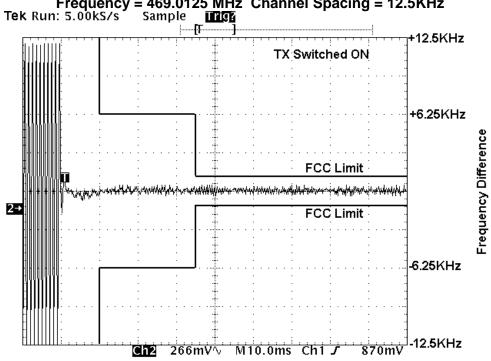
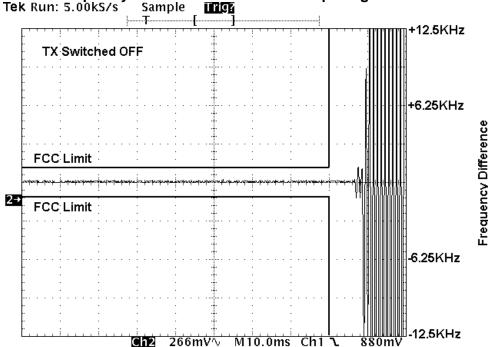


EXHIBIT 6I-1

Transmitter Transient Frequency Behavior Frequency = 469.0125 MHz Channel Spacing = 12.5KHz Tek Run: 5.00kS/s Sample TIGE





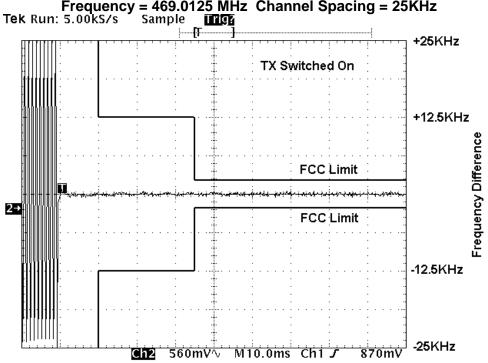


EXHIBIT 6I-3

Transmitter Transient Frequency Behavior Frequency = 469.0125 MHz Channel Spacing = 25KHz Tek Run: 5.00kS/s Sample IFIGE

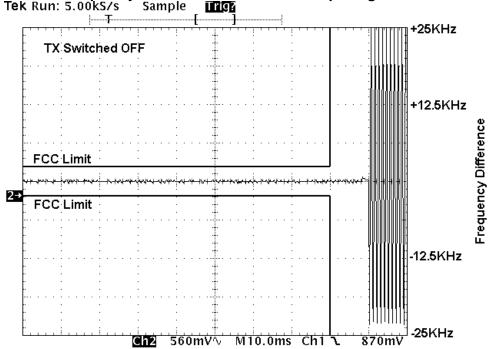


EXHIBIT 6I-4