



**Test Report**

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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.

#### **2.0 Watts**

Frequency	451.1875 MHz
Measured Conducted RF output	2.0 Watts
Normal DC Voltage	8.40 Volts
Normal DC Current	1.1Amps
Primary Supply Voltage	8.40 Volts

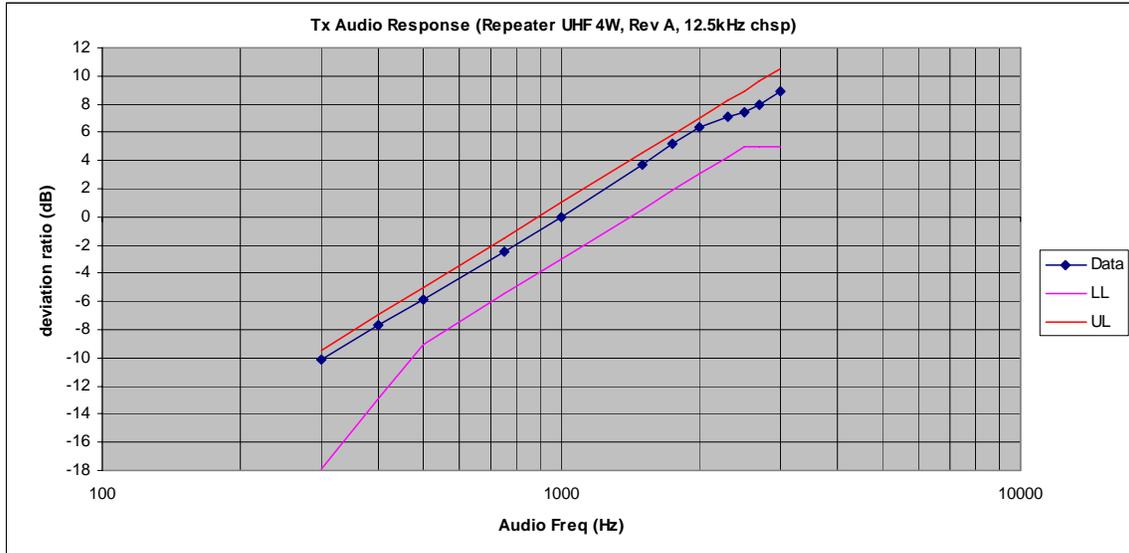
#### **4.0 Watts**

Frequency	464.5500 MHz
Measured Conducted RF output*	4.20 Watts
Normal DC Voltage	10.50 Volts
Normal DC Current	1.8 Amps
Primary Supply Voltage	10.50 Volts

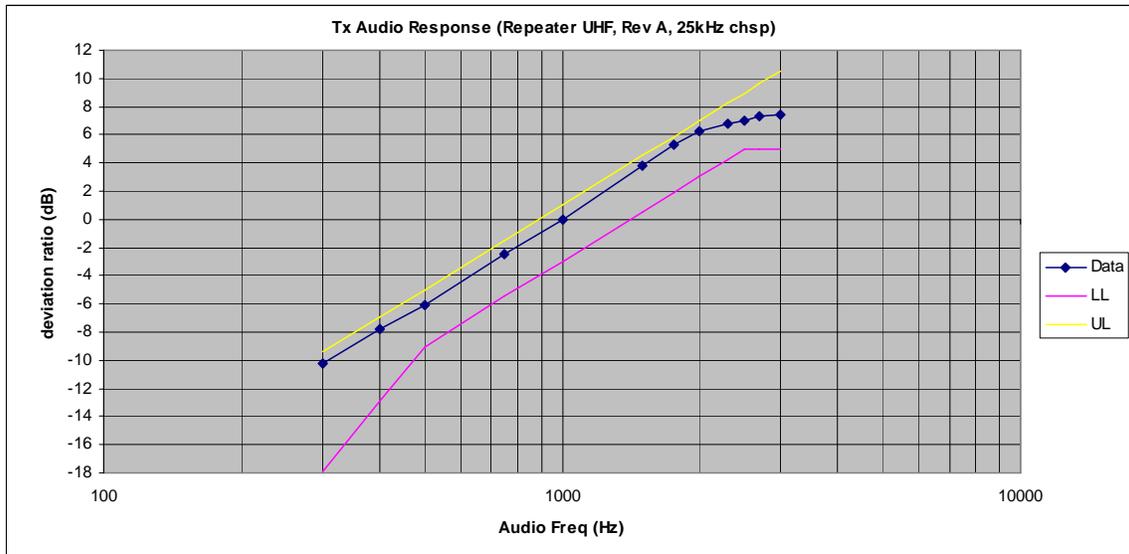
\*Note: RF Conducted output power measured at 10.50Volts



### Audio Response



### Audio Response 12.5 kHz



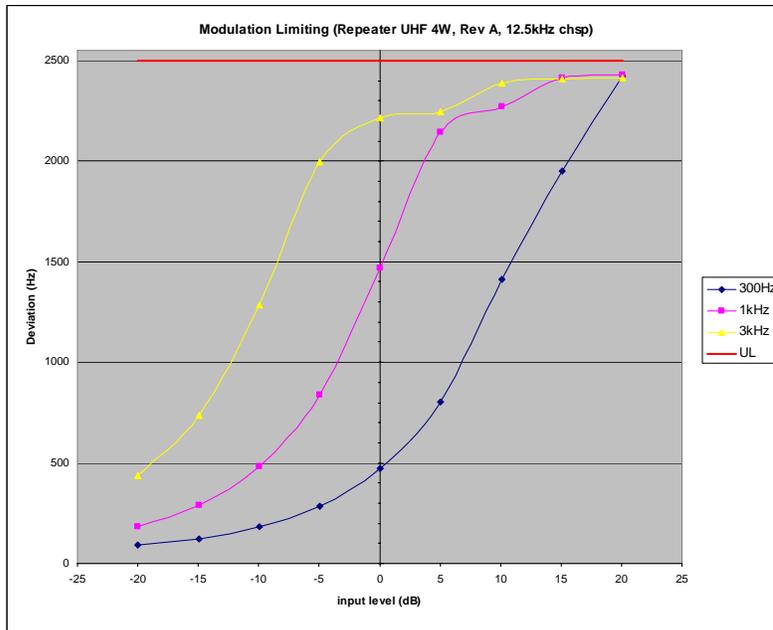
### Audio Response 25 kHz



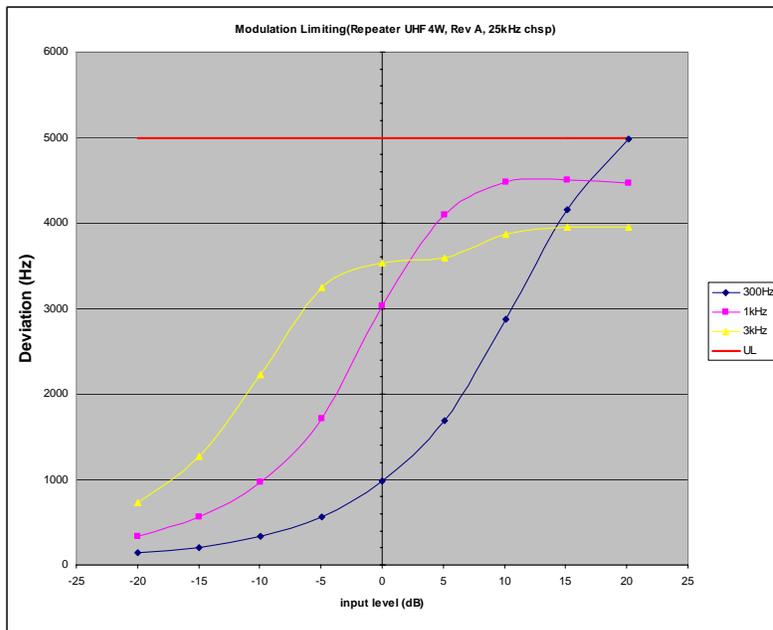
**MOTOROLA**

FCC ID: AZ492FT4887

### MODULATION LIMITING



12.5 kHz



25.0 kHz

EXHIBIT 6C



**MOTOROLA**

FCC ID: AZ492FT4887

**OCCUPIED BANDWIDTH DATA**

**4Watt**

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)

$BW = 16K0$

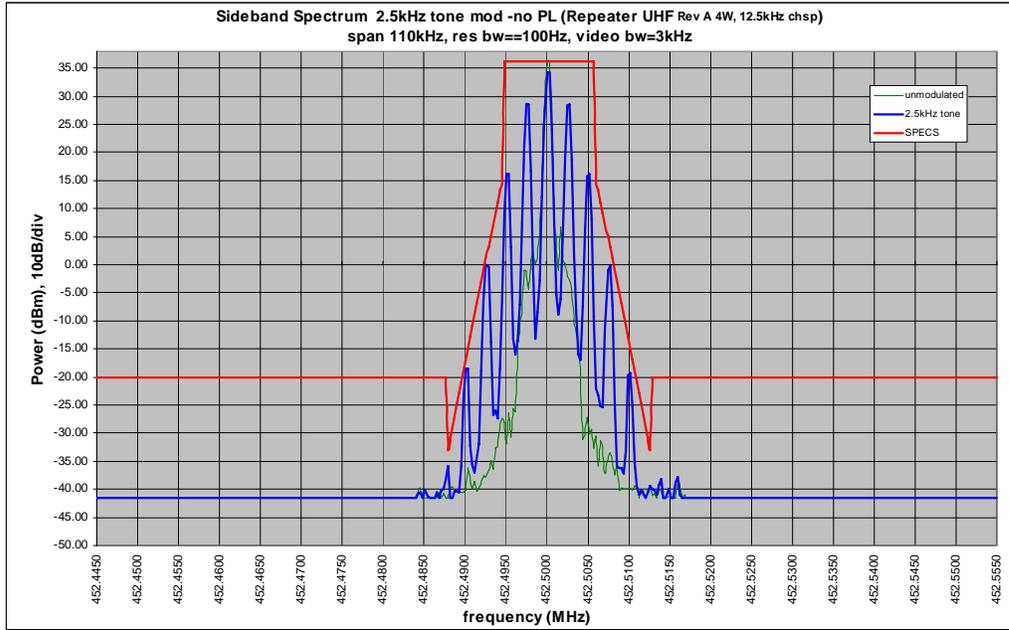
EXHIBIT 6D



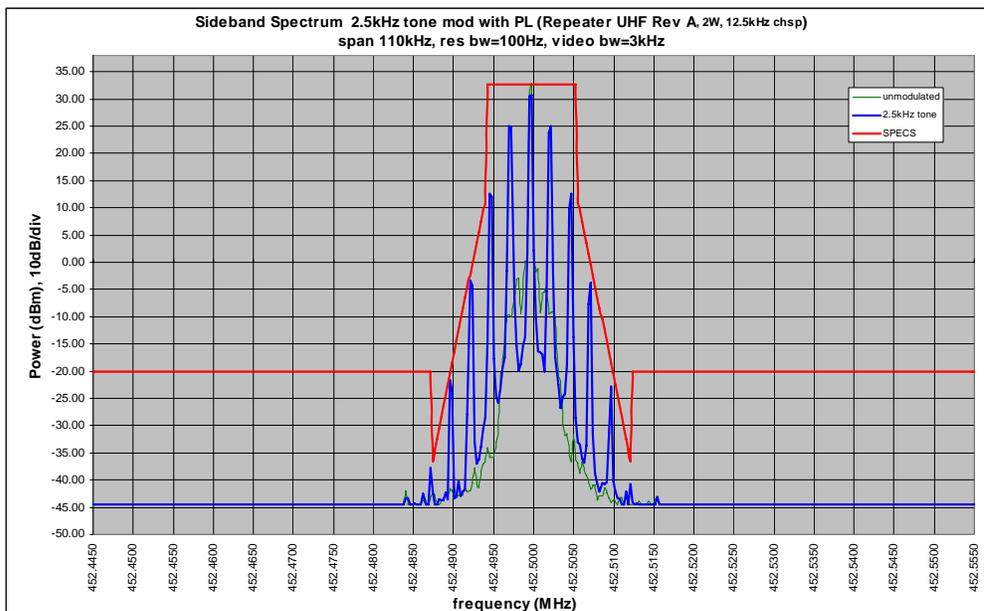
**MOTOROLA**

FCC ID: AZ492FT4887

4- Watt 12.5 kHz Mask D, Rule Part: 90.210  
Emission Type: 11KOF3E

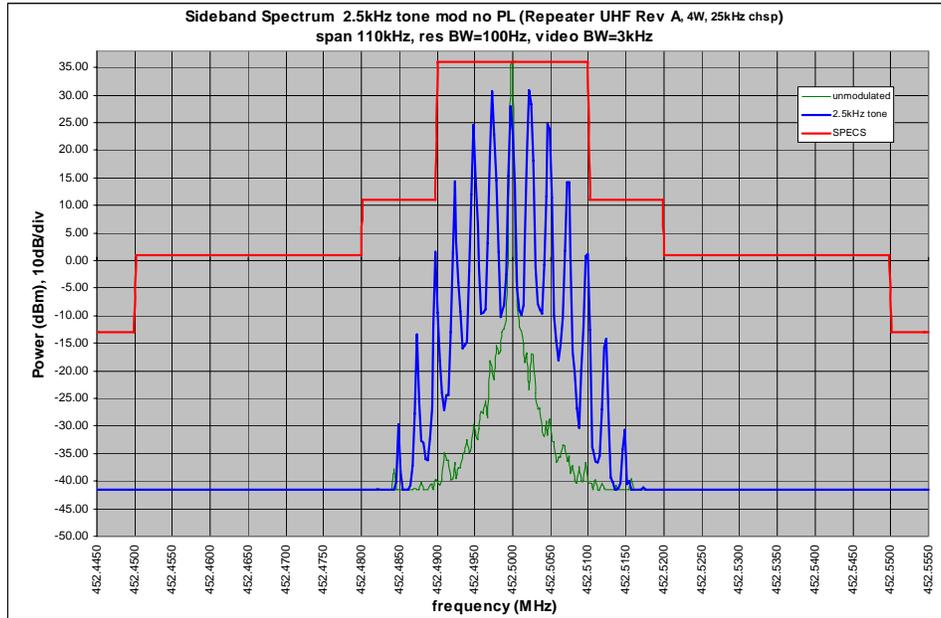


2- Watt 12.5 kHz Mask D, Rule Part: 90.210  
Emission Type: 11KOF3E

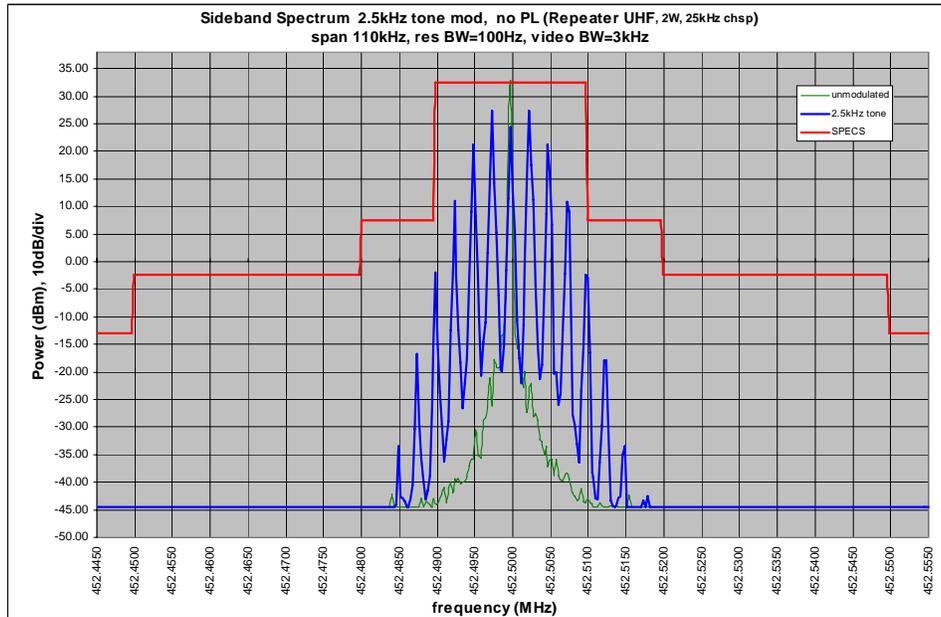




4- Watt 25 kHz Mask B, Rule Part: 90.210  
Emission Type: 16KOF3E

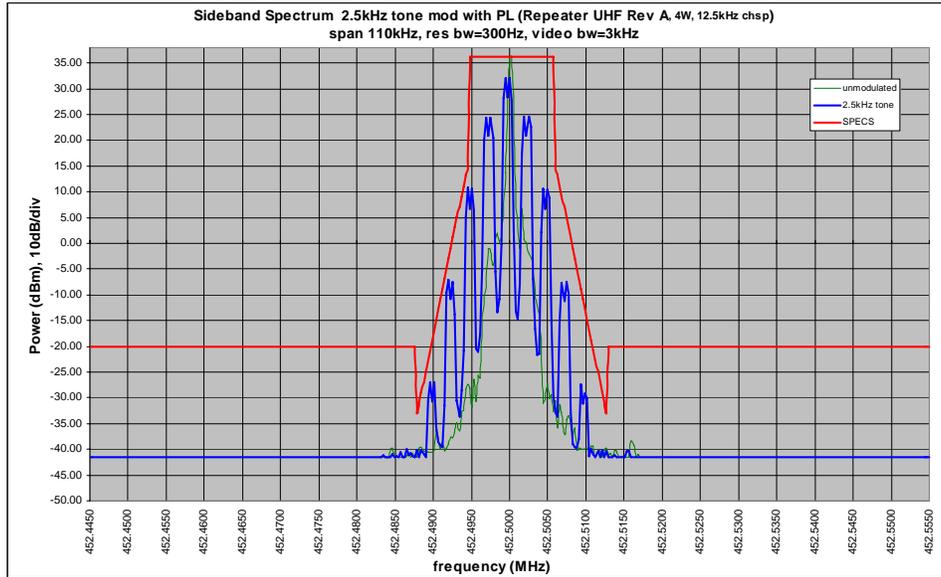


2- Watt 25 kHz Mask B, Rule Part: 90.210  
Emission Type: 16KOF3E

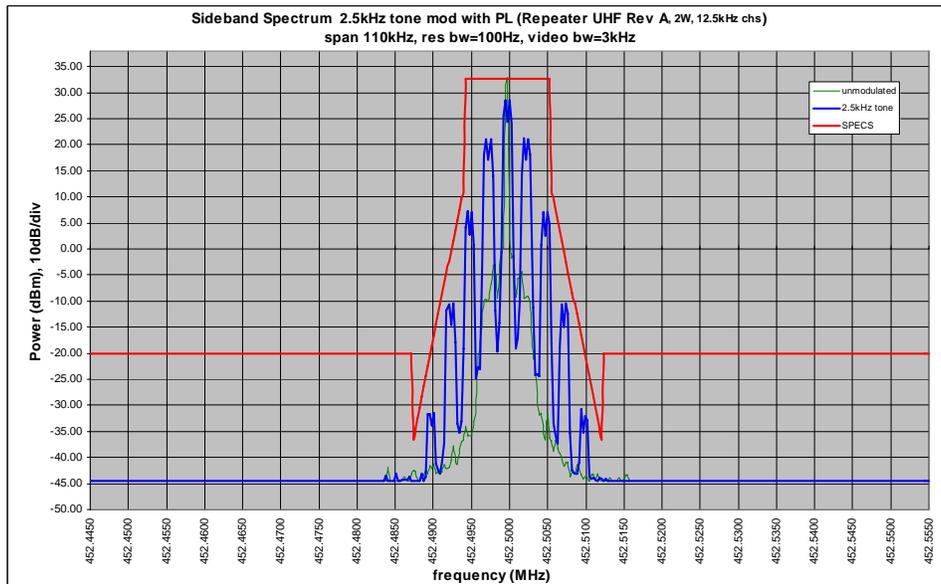




4- Watt 12.5 kHz 2500 Hz & 77 Hz Tone "PL" Modulations  
Mask D, Rule Part: 90.210. Emission Type: 11K0F3E

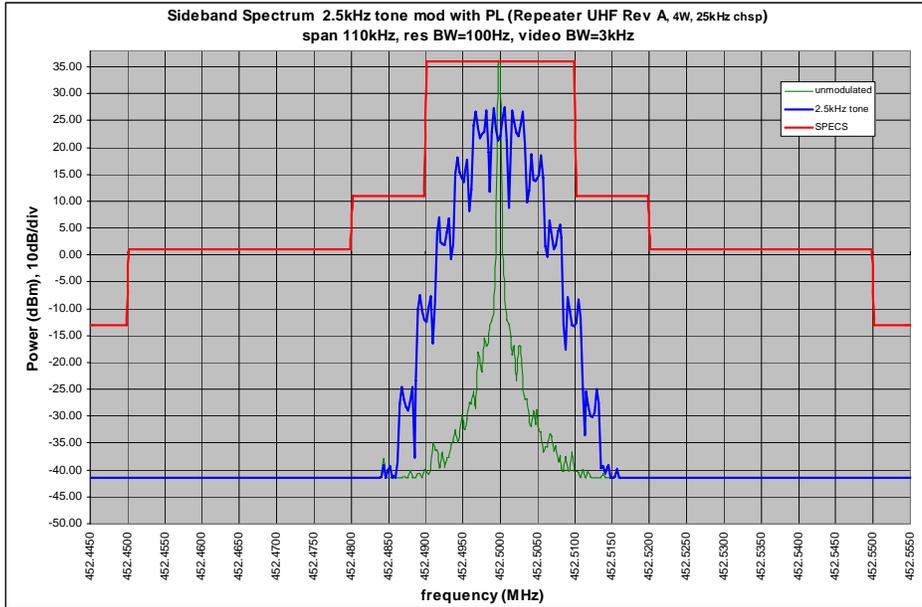


2- Watt 12.5 kHz 2500 Hz & 77 Hz Tone "PL" Modulations  
Mask D, Rule Part: 90.210. Emission Type: 11K0F3E

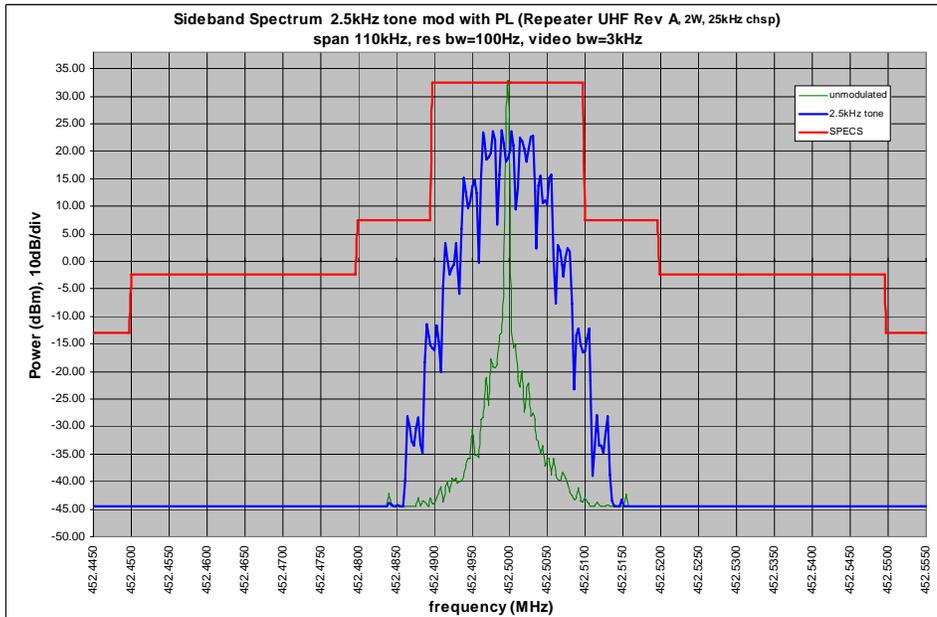




4- Watt 25 kHz, 2500 Hz & 77 Hz Tone "PL" Modulations  
Mask B, Rule Part: 90.210. Emission Type: 16KOF3E



2- Watt 25 kHz, 2500 Hz & 77 Hz Tone "PL" Modulations  
Mask B, Rule Part: 90.210. Emission Type: 16KOF3E





4 Watt 12.5 kHz

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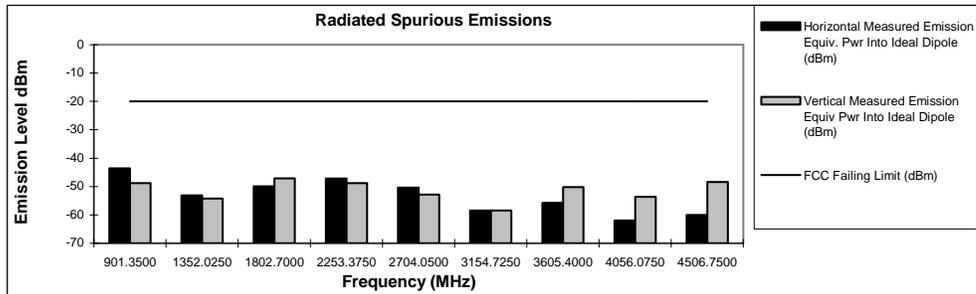
Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply

Tx Power: 4 Watts

450.675 MHz

Channel Spacing 12.5kHz | S/N 186TJW0053

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
901.3500	-20	-43.54	-48.80
1352.0250	-20	-53.14	-54.28
1802.7000	-20	-49.91	-47.15
2253.3750	-20	-47.18	-48.79
2704.0500	-20	-50.35	-52.89
3154.7250	-20	-58.45	-58.46
3605.4000	-20	-55.74	-50.18
4056.0750	-20	-61.97	-53.61
4506.7500	-20	-60.04	-48.46



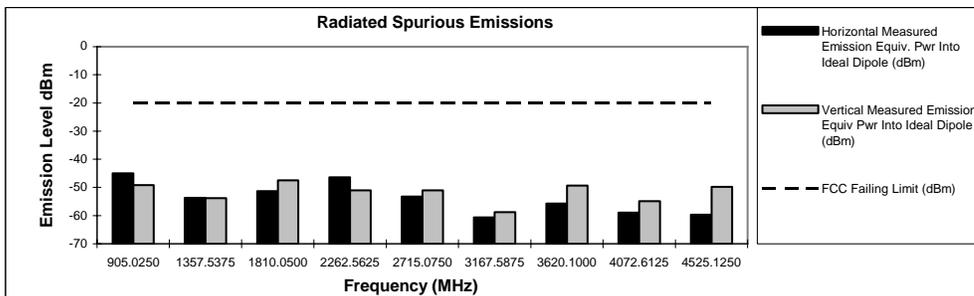
Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply

Tx Power: 4 Watts

452.5125 MHz

Channel Spacing 12.5kHz | S/N 186TJW0053

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
905.0250	-20	-44.97	-49.13
1357.5375	-20	-53.70	-53.83
1810.0500	-20	-51.32	-47.45
2262.5625	-20	-46.39	-51.07
2715.0750	-20	-53.25	-50.99
3167.5875	-20	-60.66	-58.76
3620.1000	-20	-55.78	-49.38
4072.6125	-20	-58.94	-54.82
4525.1250	-20	-59.70	-49.81



\* 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.



**4 Watt 12.5 kHz**

Motorola Inc.

FCC ID: AZ492FT4887

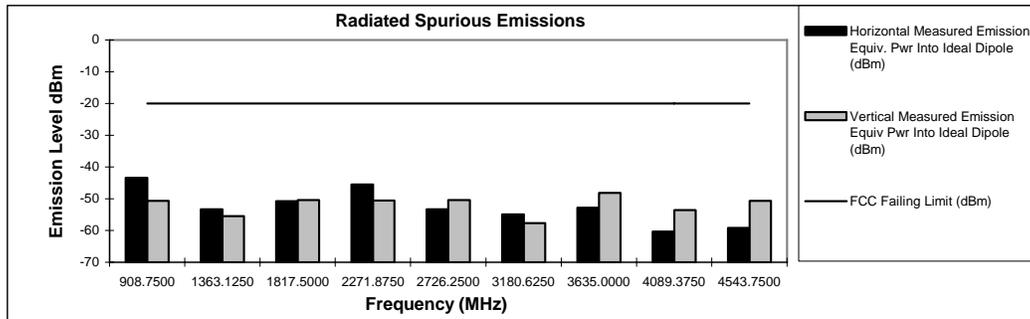
**Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply**

**Tx Power: 4 Watts**

**454.375 MHz**

**Channel Spacing 12.5kHz | S/N 186TJW0053**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
908.7500	-20	-43.42	-50.65
1363.1250	-20	-53.34	-55.54
1817.5000	-20	-50.76	-50.44
2271.8750	-20	-45.49	-50.59
2726.2500	-20	-53.30	-50.44
3180.6250	-20	-54.95	-57.63
3635.0000	-20	-52.80	-48.15
4089.3750	-20	-60.32	-53.62
4543.7500	-20	-59.14	-50.71



\* 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: IC109U-1

April 23, 2009



**4 Watt 25 kHz**

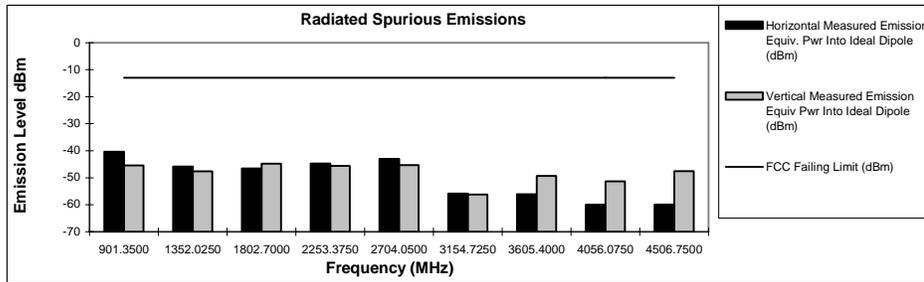
Motorola Inc.

FCC ID: AZ492FT4887

**Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply**  
**Tx Power: 4 Watts**

**450.675 MHz Channel Spacing 25kHz | S/N 186TJW0053**

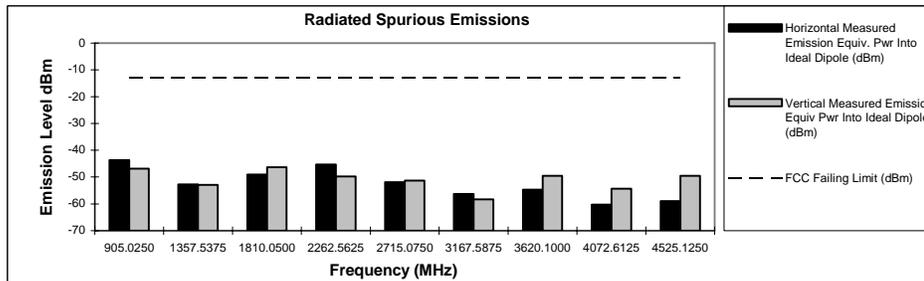
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
901.3500	-13	-40.42	-45.42
1352.0250	-13	-45.87	-47.63
1802.7000	-13	-46.62	-44.83
2253.3750	-13	-44.75	-45.56
2704.0500	-13	-43.01	-45.33
3154.7250	-13	-55.88	-56.24
3605.4000	-13	-56.10	-49.29
4056.0750	-13	-60.01	-51.34
4506.7500	-13	-59.89	-47.53



**Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply**  
**Tx Power: 4 Watts**

**452.5125 MHz Channel Spacing 25kHz | S/N 186TJW0053**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
905.0250	-13	-43.65	-46.81
1357.5375	-13	-52.68	-52.90
1810.0500	-13	-49.11	-46.32
2262.5625	-13	-45.35	-49.80
2715.0750	-13	-51.91	-51.34
3167.5875	-13	-56.29	-58.34
3620.1000	-13	-54.65	-49.51
4072.6125	-13	-60.30	-54.31
4525.1250	-13	-58.96	-49.48



\* 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**

FCC ID: AZ492FT4887

**4 Watt 25 kHz**

Motorola Inc.

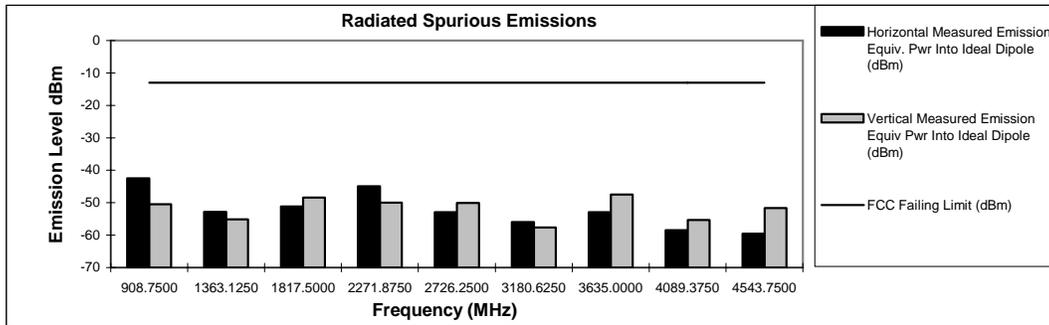
FCC ID: AZ492FT4887

**Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply**  
**Tx Power: 4 Watts**

**454.375 MHz**

**Channel Spacing 25kHz | S/N 186TJW0053**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
908.7500	-13	-42.53	-50.54
1363.1250	-13	-52.81	-55.14
1817.5000	-13	-51.17	-48.44
2271.8750	-13	-44.92	-49.98
2726.2500	-13	-52.90	-50.04
3180.6250	-13	-55.98	-57.69
3635.0000	-13	-52.92	-47.47
4089.3750	-13	-58.48	-55.33
4543.7500	-13	-59.56	-51.63



\* 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: IC109U-1

April 23, 2009



2 Watt 12.5 kHz

Motorola Inc.

FCC ID: AZ492FT4887

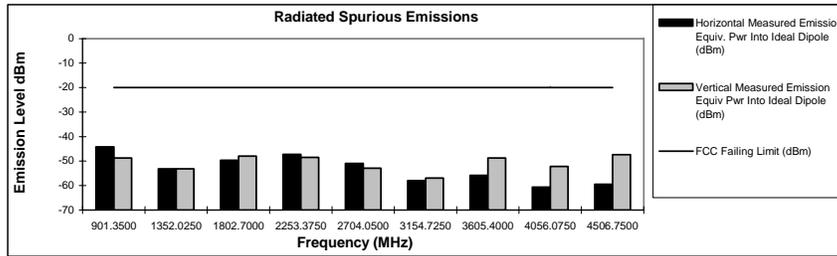
Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A

Tx Power: 2 Watts

450.675 MHz

Channel Spacing 12.5kHz | S/N 186TJW0053

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
901.3500	-20	-44.17	-48.82
1352.0250	-20	-53.19	-53.23
1802.7000	-20	-49.65	-48.02
2253.3750	-20	-47.29	-48.52
2704.0500	-20	-51.03	-52.98
3154.7250	-20	-58.01	-56.90
3605.4000	-20	-55.85	-48.80
4056.0750	-20	-60.62	-52.22
4506.7500	-20	-59.49	-47.38



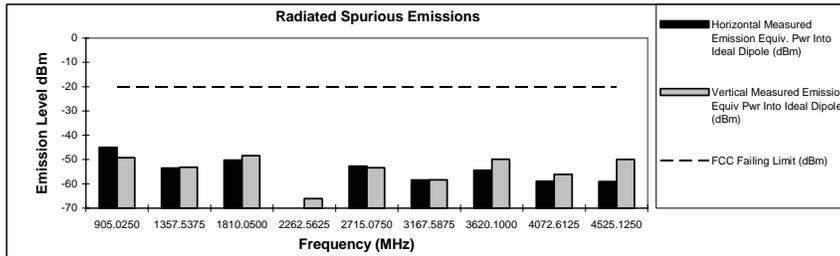
Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A

Tx Power: 2 Watts

452.5125 MHz

Channel Spacing 12.5kHz | S/N 186TJW0053

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
905.0250	-20	-45.02	-49.21
1357.5375	-20	-53.52	-53.21
1810.0500	-20	-50.25	-48.40
2262.5625	-20	-70.22	-66.13
2715.0750	-20	-52.75	-53.38
3167.5875	-20	-58.41	-58.32
3620.1000	-20	-54.45	-49.86
4072.6125	-20	-58.94	-56.09
4525.1250	-20	-59.03	-49.92



\* 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**

FCC ID: AZ492FT4887

**2 Watt 12.5 kHz**

Motorola Inc.

FCC ID: AZ492FT4887

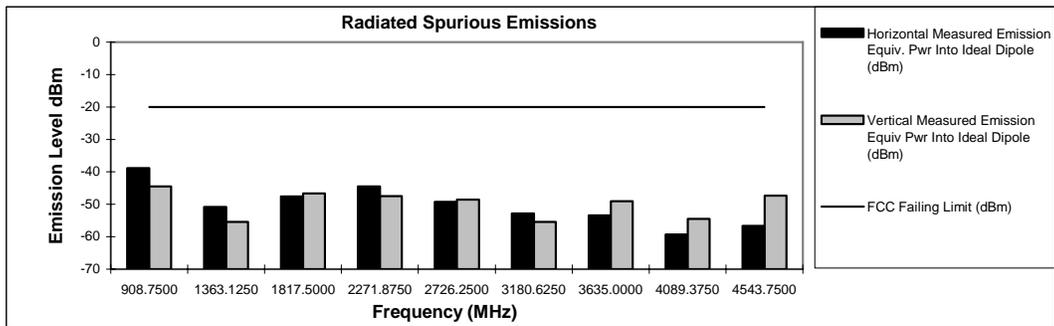
**Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A**

**Tx Power: 2 Watts**

**454.375 MHz**

**Channel Spacing 12.5kHz | S/N 186TJW0053**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
908.7500	-20	-38.87	-44.49
1363.1250	-20	-50.83	-55.46
1817.5000	-20	-47.59	-46.67
2271.8750	-20	-44.49	-47.51
2726.2500	-20	-49.27	-48.56
3180.6250	-20	-52.82	-55.44
3635.0000	-20	-53.38	-49.11
4089.3750	-20	-59.34	-54.54
4543.7500	-20	-56.63	-47.34



\* 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: IC109U-1

April 23, 2009

EXHIBIT 6E-6



**2 Watt 25 kHz**

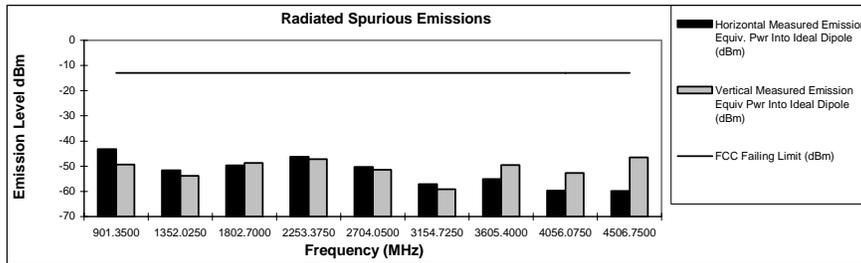
Motorola Inc.

FCC ID: AZ492FT4887

**Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply**  
**Tx Power: 2 Watts**

**450.675 MHz** **Channel Spacing 25kHz | S/N 186TJW0053**

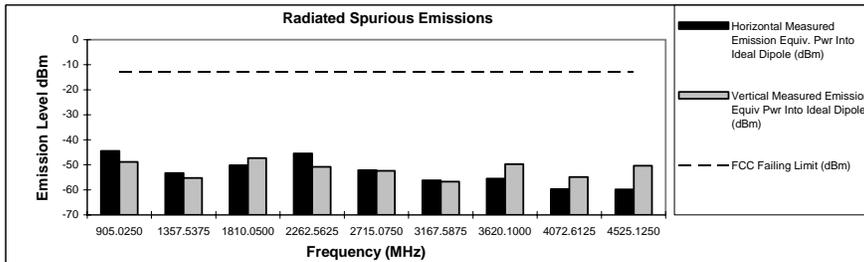
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
901.3500	-13	-43.18	-49.30
1352.0250	-13	-51.58	-53.82
1802.7000	-13	-49.64	-48.71
2253.3750	-13	-46.20	-47.22
2704.0500	-13	-50.29	-51.42
3154.7250	-13	-57.11	-59.09
3605.4000	-13	-55.02	-49.48
4056.0750	-13	-59.70	-52.68
4506.7500	-13	-59.80	-46.53



**Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply**  
**Tx Power: 2 Watts**

**452.5125 MHz** **Channel Spacing 25kHz | S/N 186TJW0053**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
905.0250	-13	-44.47	-48.76
1357.5375	-13	-53.27	-55.26
1810.0500	-13	-50.17	-47.26
2262.5625	-13	-45.45	-50.74
2715.0750	-13	-52.09	-52.35
3167.5875	-13	-56.21	-56.71
3620.1000	-13	-55.45	-49.73
4072.6125	-13	-59.70	-54.84
4525.1250	-13	-59.82	-50.28



\* 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.



**2 Watt 25 kHz**

Motorola Inc.

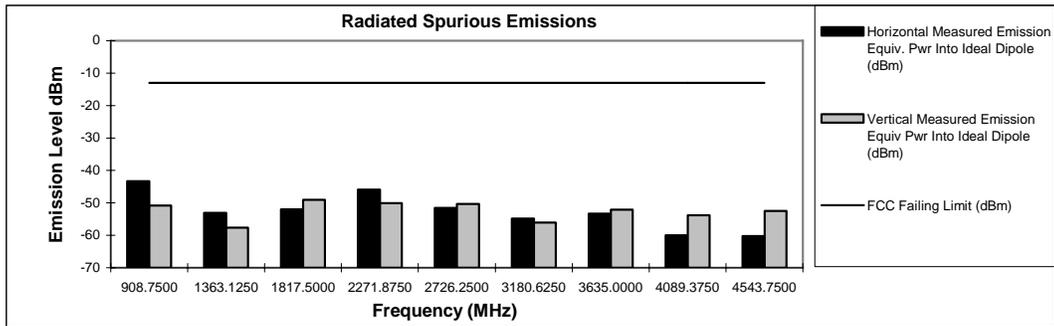
FCC ID: AZ492FT4887

**Transmit Radiated Spurious Emissions: RPX Series & PMPN4003A Supply  
Tx Power: 2 Watts**

**454.375 MHz**

**Channel Spacing 25kHz | S/N 186TJW0053**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
908.7500	-13	-43.33	-50.87
1363.1250	-13	-53.05	-57.69
1817.5000	-13	-51.98	-49.09
2271.8750	-13	-45.91	-50.11
2726.2500	-13	-51.60	-50.32
3180.6250	-13	-54.79	-56.04
3635.0000	-13	-53.32	-52.05
4089.3750	-13	-59.97	-53.83
4543.7500	-13	-60.22	-52.49



\* 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: IC109U-1

April 23, 2009



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 12.5 kHz

**Transmitter Conducted Spurious Emissions**

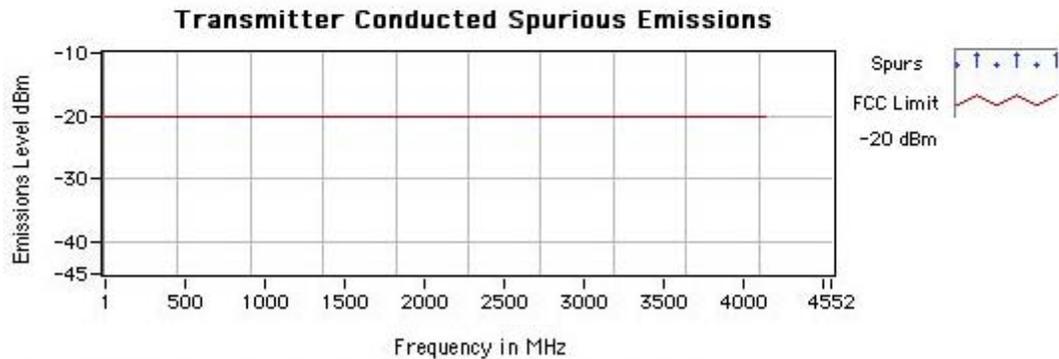
**FREQ: 450.67500 MHz**

**FCC ID: AZ492FT4887**

**Power 4.0 W**

**Channel Spacing: 12.50 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By: **George Sirokie**



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 25 kHz

**Transmitter Conducted Spurious Emissions**

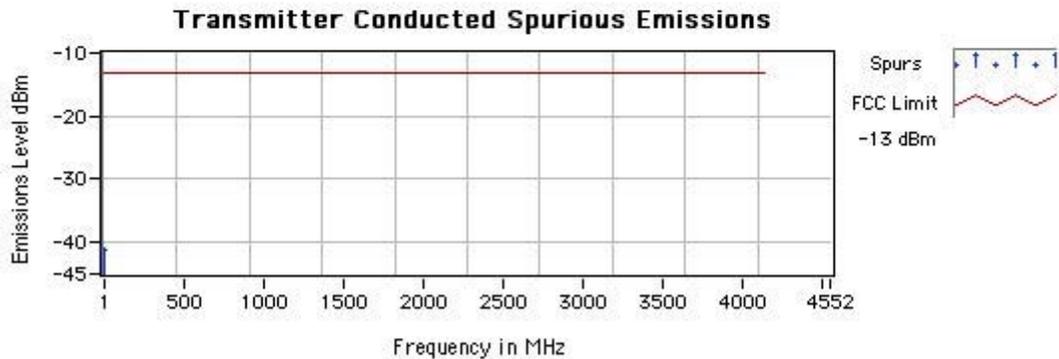
**FREQ: 450.67500 MHz**

**FCC ID: AZ492FT4887**

**Power 4.0 W**

**Channel Spacing: 25.00 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
1.60000	-13.0	-41.3



**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By: **George Sirokie**



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 12.5 kHz

**Transmitter Conducted Spurious Emissions**

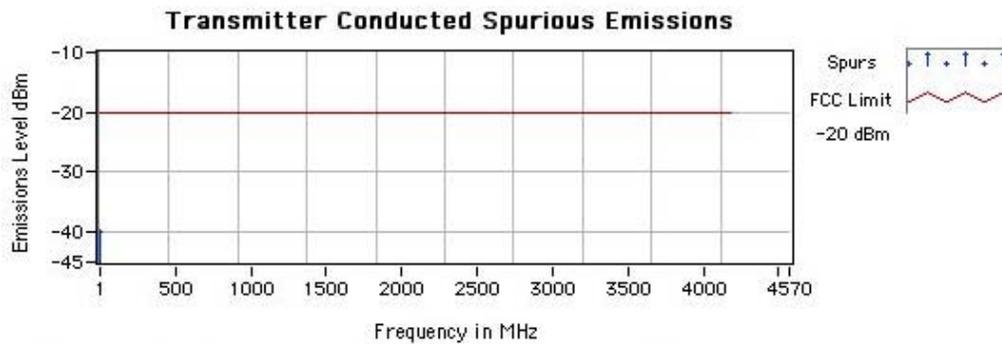
**FREQ: 452.51250 MHz**

**FCC ID: AZ492FT4887**

**Power 4.0 W**

**Channel Spacing: 12.50 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
1.60000	-20.0	-40.1



**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By: **George Sirokie**

EXHIBIT 6E-11



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 25 kHz

**Transmitter Conducted Spurious Emissions**

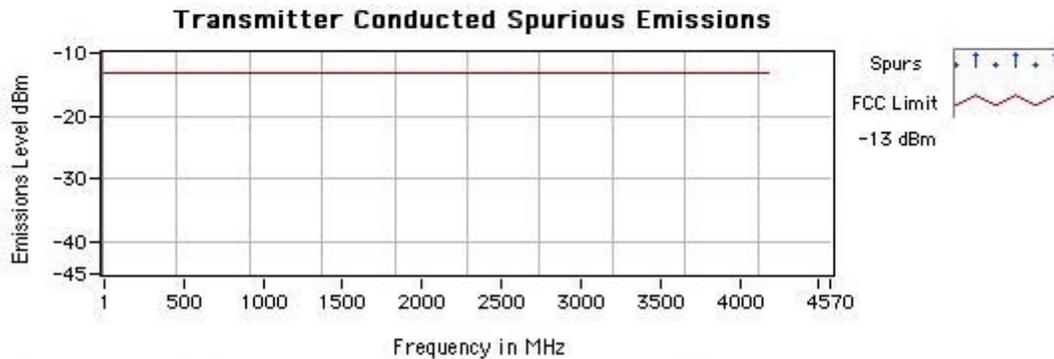
**FREQ: 452.51250 MHz**

**FCC ID: AZ492FT4887**

**Power 4.0 W**

**Channel Spacing: 25.00 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By: **George Sirokie**



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 12.5 kHz

**Transmitter Conducted Spurious Emissions**

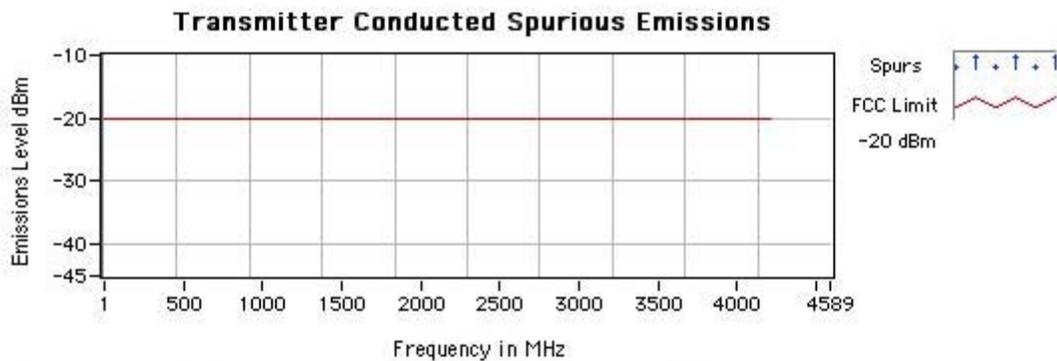
**FREQ: 454.37500 MHz**

**FCC ID: AZ492FT4887**

**Power 4.0 W**

**Channel Spacing: 12.50 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By: **George Sirokie**

EXHIBIT 6E-13



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 25 kHz

**Transmitter Conducted Spurious Emissions**

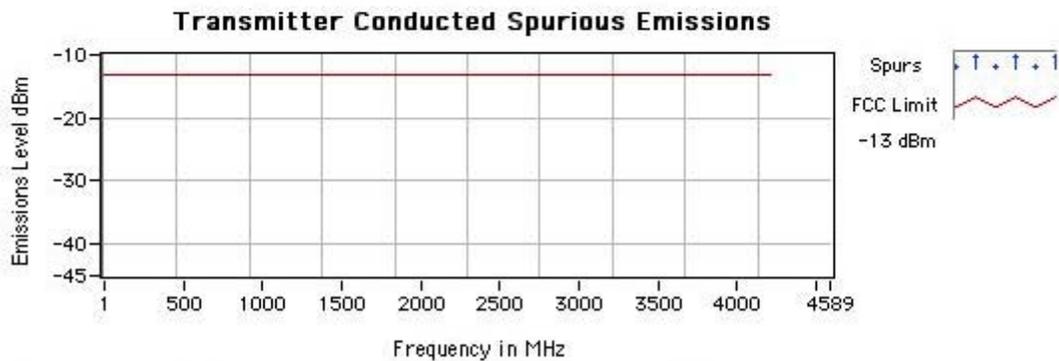
**FREQ: 454.37500 MHz**

**FCC ID: AZ492FT4887**

**Power 4.0 W**

**Channel Spacing: 25.00 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By: **George Sirokie**



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 2 Watts 12.5 kHz

**Transmitter Conducted Spurious Emissions**

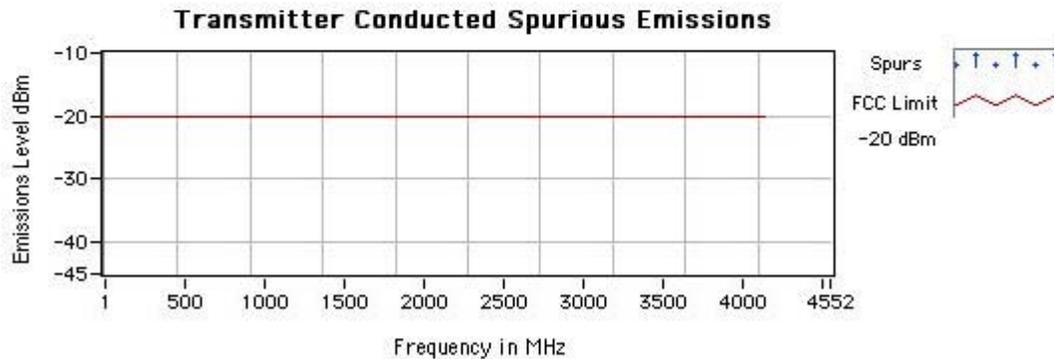
**FREQ: 450.67500 MHz**

**FCC ID: AZ492FT4887**

**Power 2.0 W**

**Channel Spacing: 12.50 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By :

EXHIBIT 6E-15



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 2 Watts 25 kHz

**Transmitter Conducted Spurious Emissions**

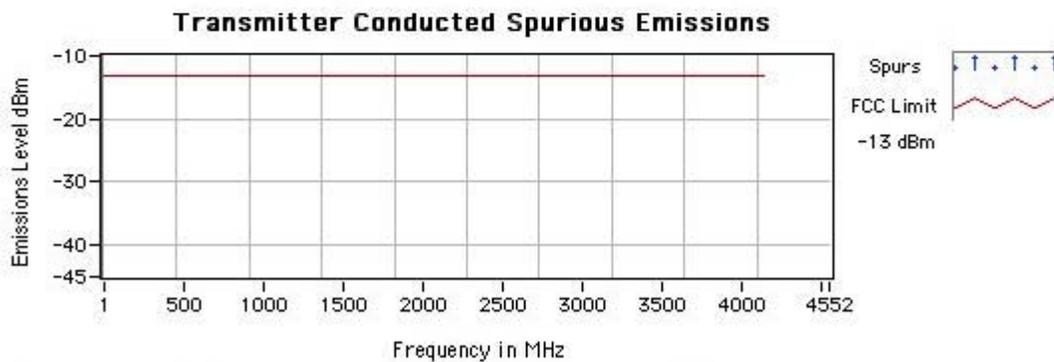
**FREQ: 450.67500 MHz**

**FCC ID: AZ492FT4887**

**Power 2.0 W**

**Channel Spacing: 25.00 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By :

EXHIBIT 6E-16



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 2 Watts 12.5 kHz

**Transmitter Conducted Spurious Emissions**

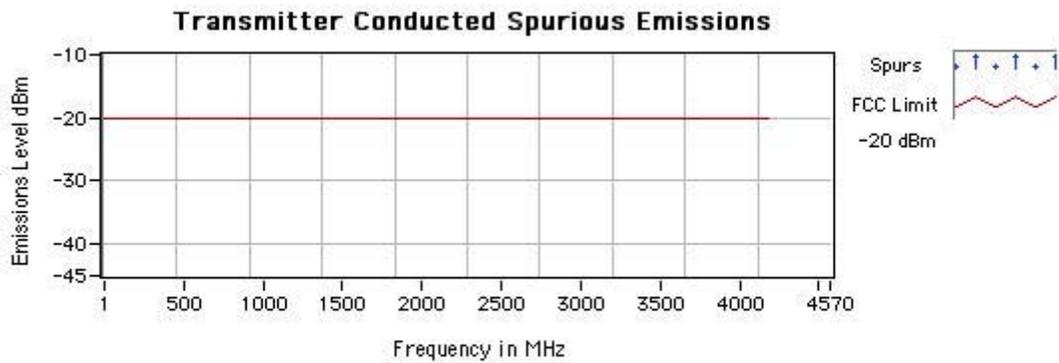
**FREQ: 452.51250 MHz**

**FCC ID: AZ492FT4887**

**Power 2.0 W**

**Channel Spacing: 12.50 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By :



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 2 Watts 25 kHz

**Transmitter Conducted Spurious Emissions**

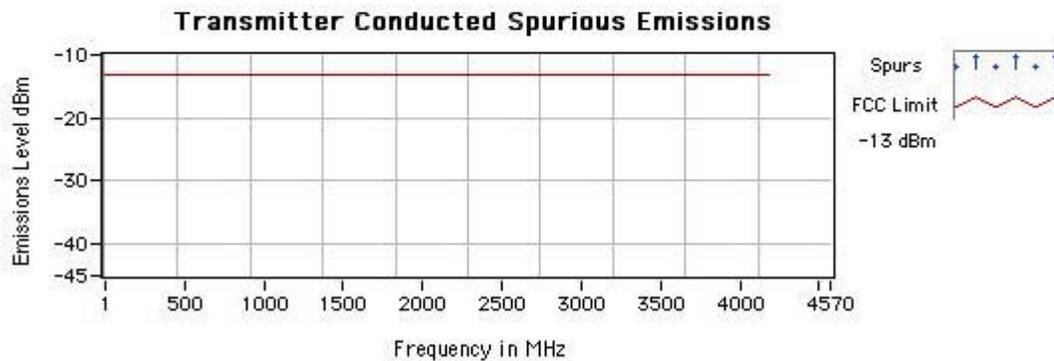
**FREQ: 452.51250 MHz**

**FCC ID: AZ492FT4887**

**Power 2.0 W**

**Channel Spacing: 25.00 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By:

EXHIBIT 6E-18



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 2 Watts 12.5 kHz

**Transmitter Conducted Spurious Emissions**

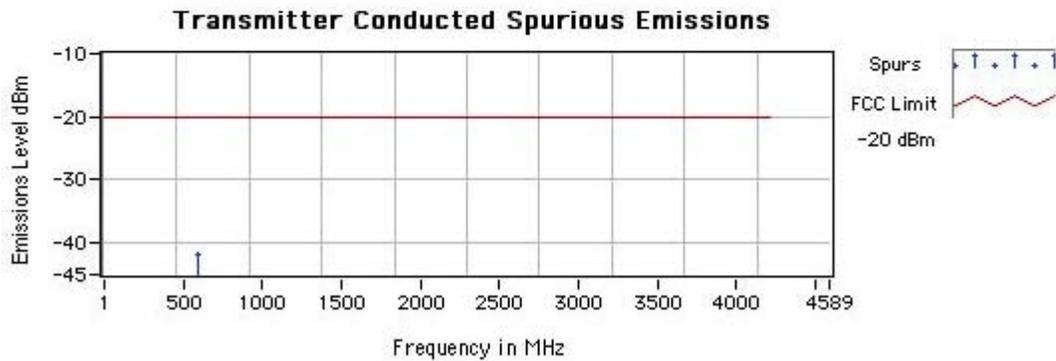
**FREQ: 454.37500 MHz**

**FCC ID: AZ492FT4887**

**Power 2.0 W**

**Channel Spacing: 12.50 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
642.80000	-20.0	-41.9



**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**Motorola Plantation ATE Lab**

**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By :



**MOTOROLA**

FCC ID: AZ492FT4887

Conducted Emission 2 Watts 25 kHz

**Transmitter Conducted Spurious Emissions**

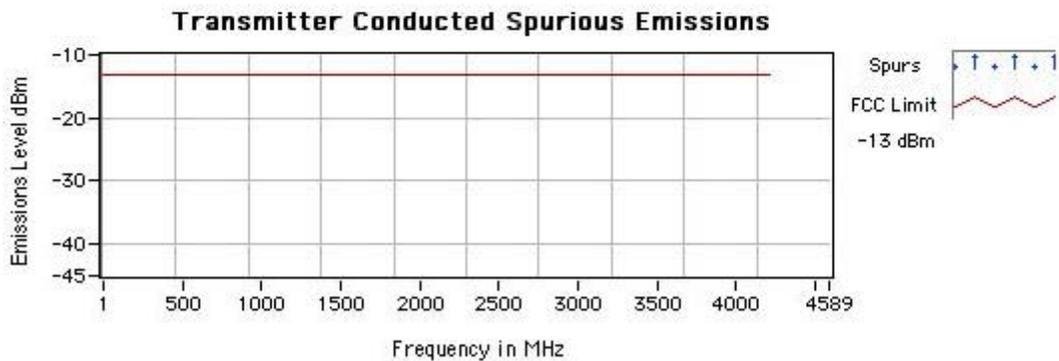
**FREQ: 454.37500 MHz**

**FCC ID: AZ492FT4887**

**Power 2.0 W**

**Channel Spacing: 25.00 kHz**

Spurious Frequency	FCC Limit	Measured Value (dBm)
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**All Transmitter Spurious Emissions tested to the 10th Harmonic**

**No Spurs Found Above -45 dBm**

**Motorola Plantation ATE Lab**

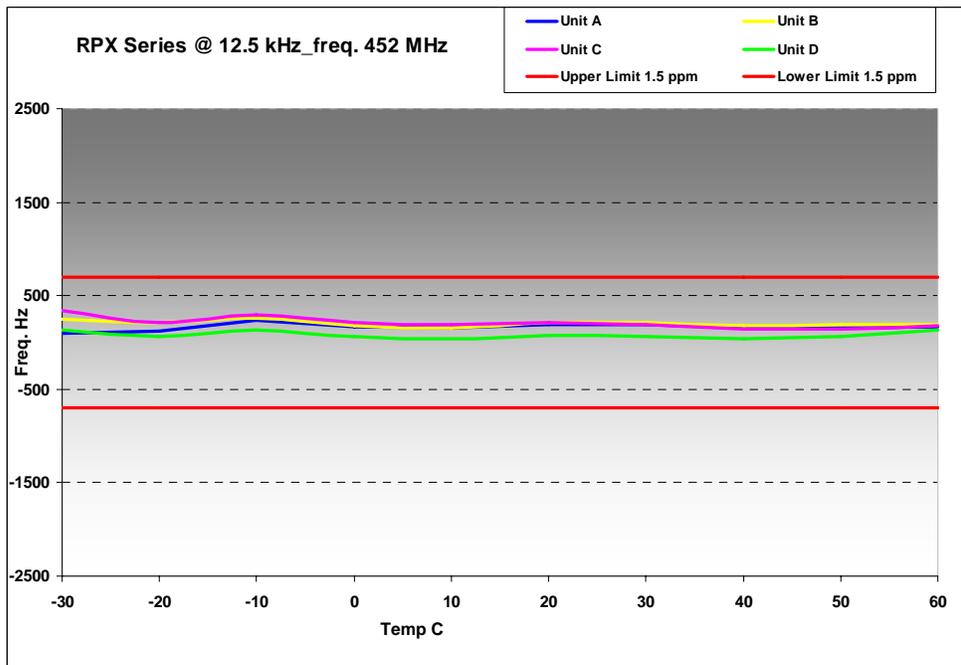
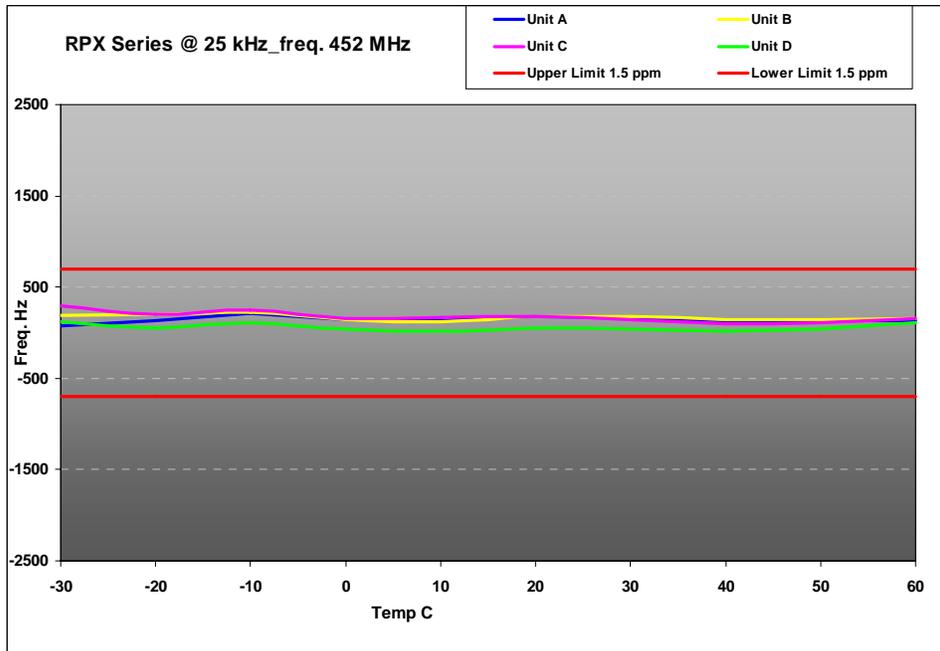
**Tuesday, 28<sup>th</sup> July 2009**

Test Performed By:

EXHIBIT 6E-20

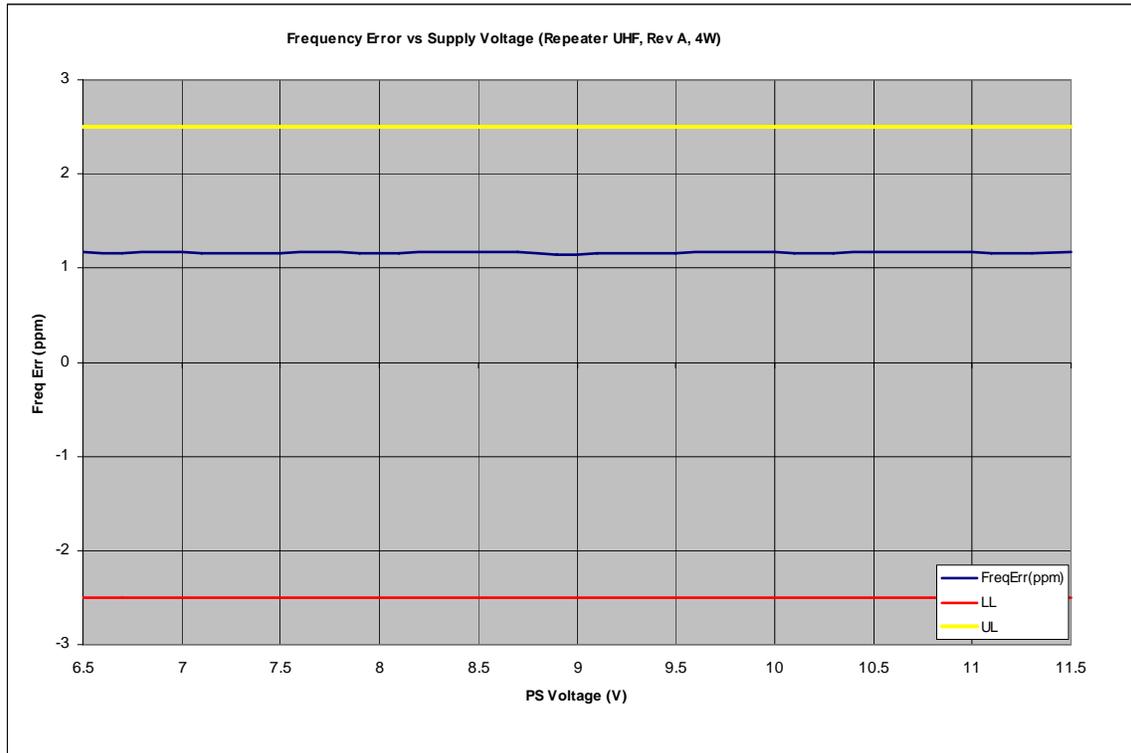


### Frequency Stability over Temperature





### Frequency Error over Voltage



Reset Voltage 5.5Volts



**MOTOROLA**

FCC ID: AZ492FT4887

**Transient Frequency Behavior TX on 25 kHz (4Watts)**

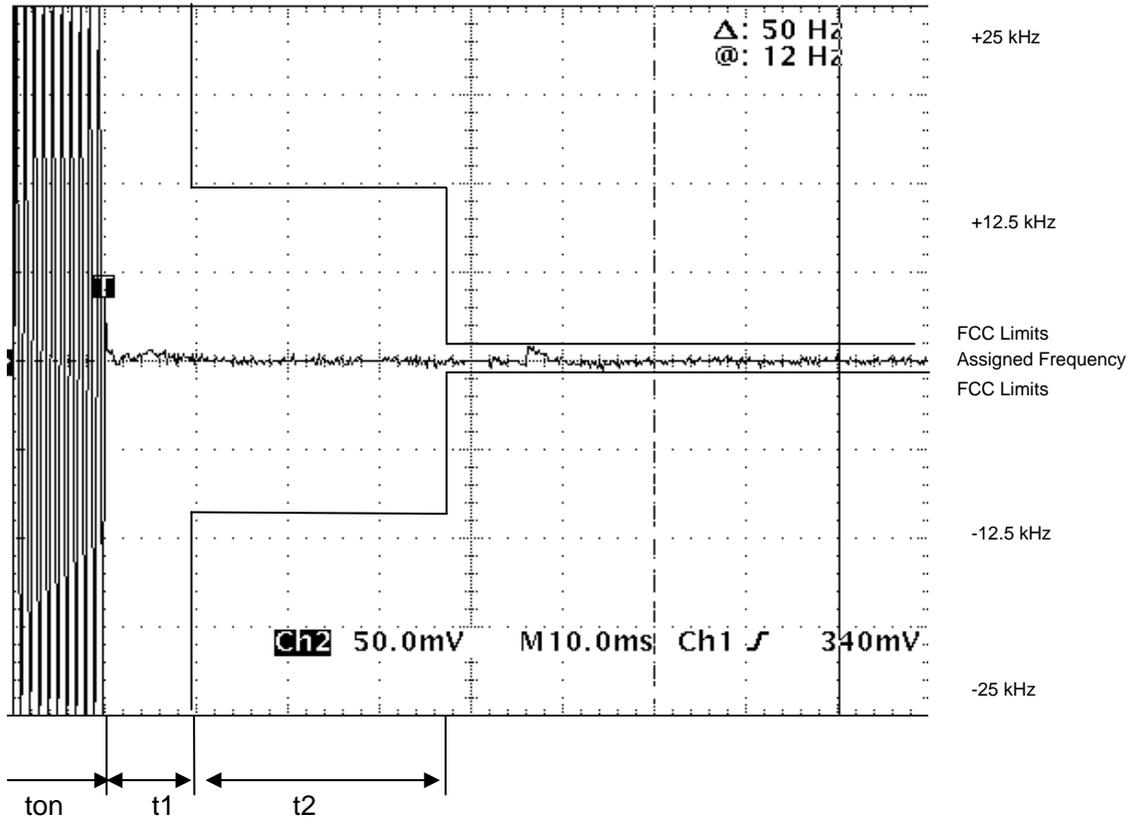


EXHIBIT 6G-1



**MOTOROLA**

FCC ID: AZ492FT4887

**Transient Frequency Behavior TX off 25 kHz (4Watts)**

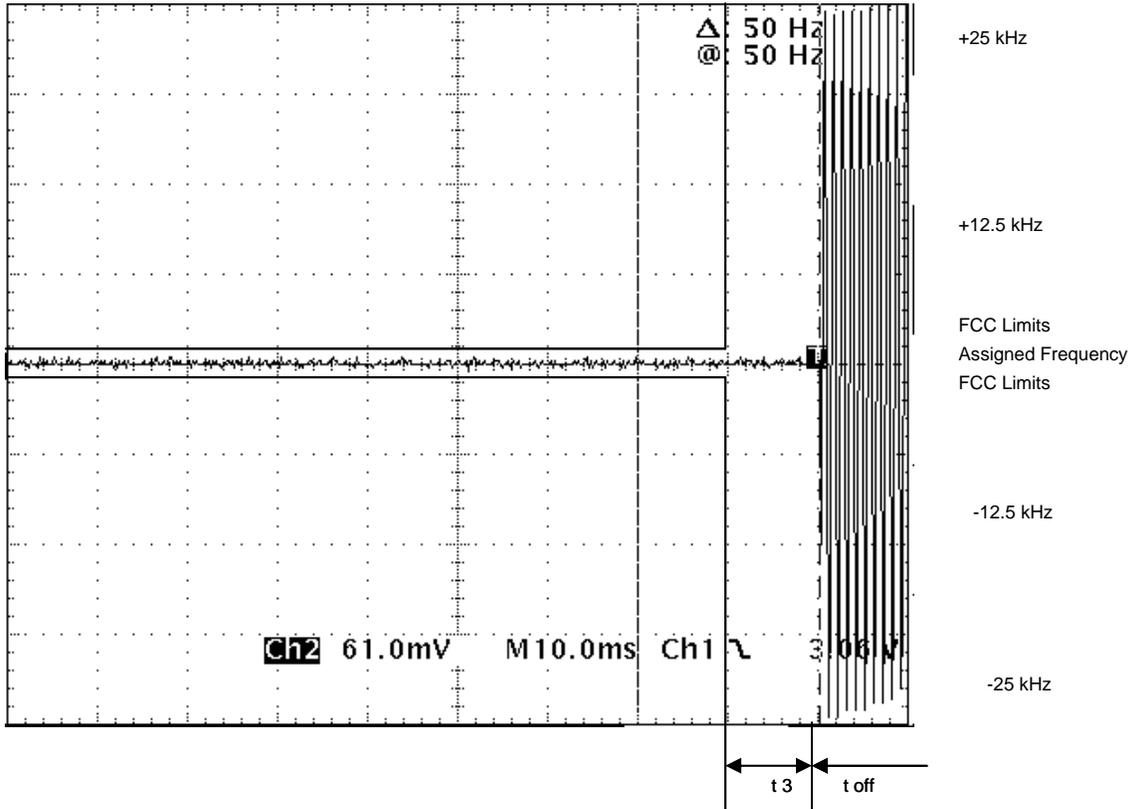


EXHIBIT 6G-2



**MOTOROLA**

FCC ID: AZ492FT4887

**Transient Frequency Behavior TX on 12.5 kHz (4Watts)**

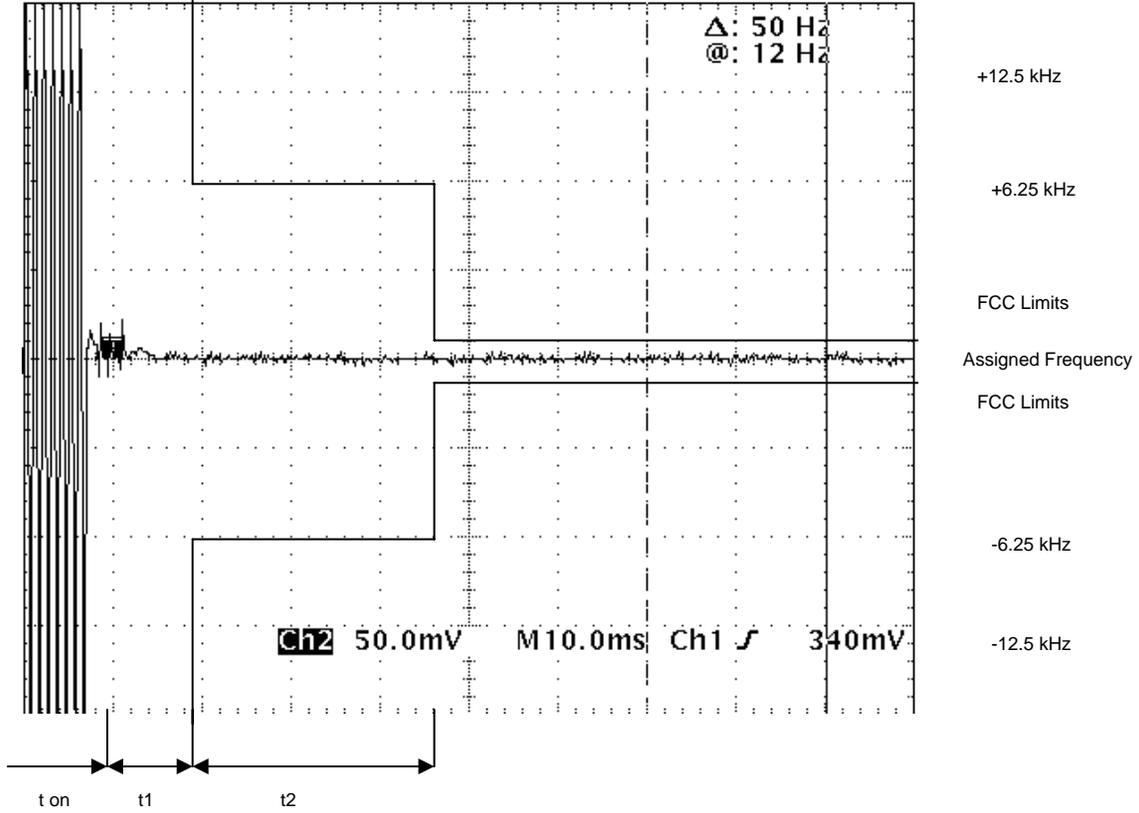


EXHIBIT 6G-3



**MOTOROLA**

FCC ID: AZ492FT4887

**Transient Frequency Behavior TX off 12.5 kHz (4Watts)**

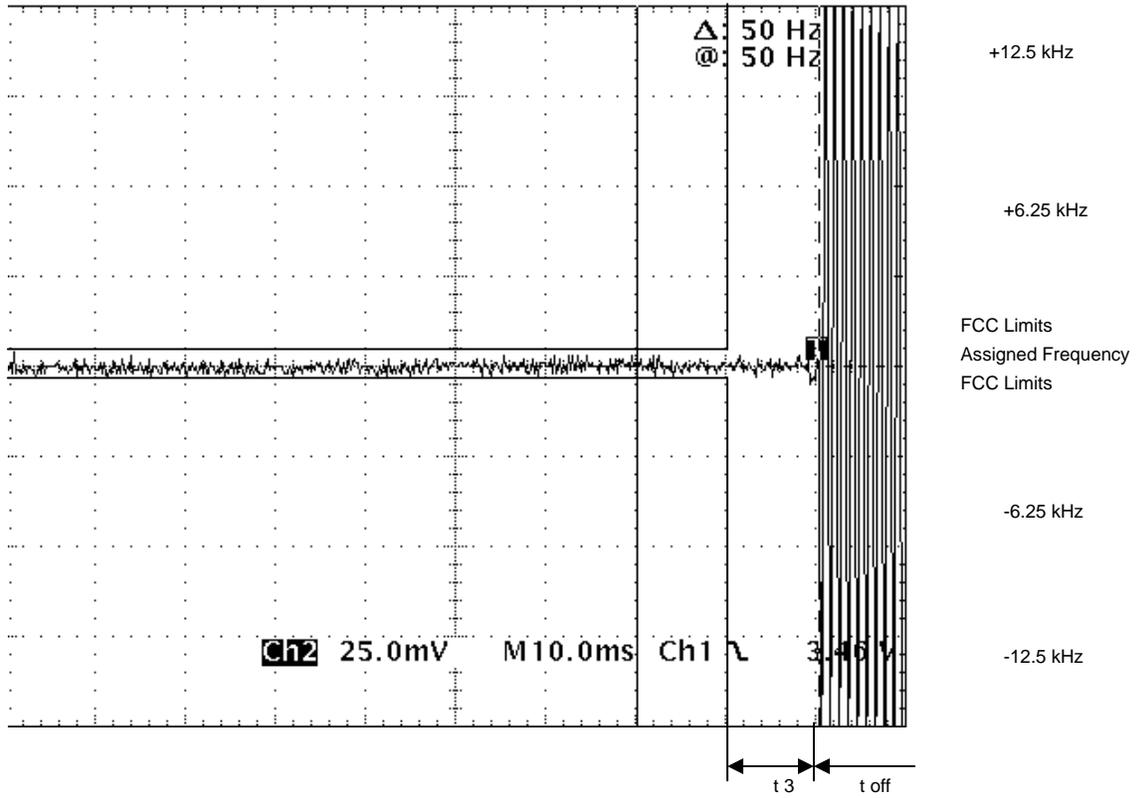


EXHIBIT 6G-4

**Transient Frequency Behavior TX on 25 kHz (2Watts)**



**MOTOROLA**

FCC ID: AZ492FT4887

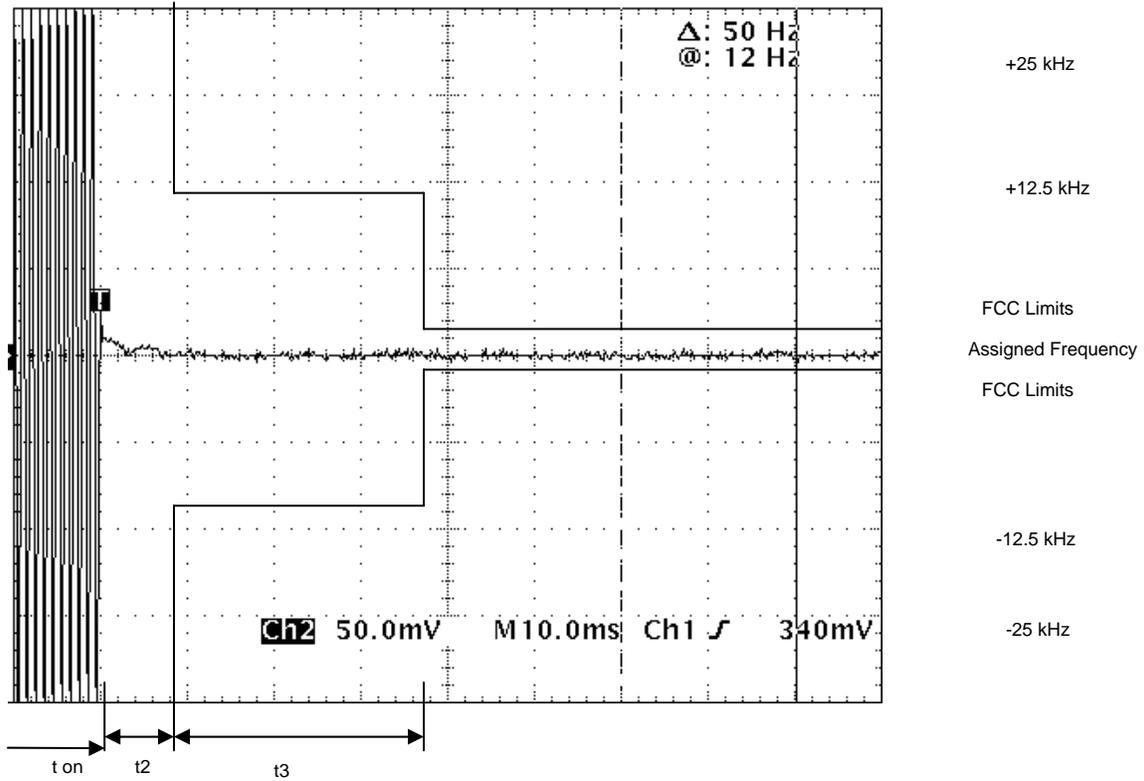


EXHIBIT 6G-5



**MOTOROLA**

FCC ID: AZ492FT4887

**Transient Frequency Behavior TX off 25 kHz (2Watts)**

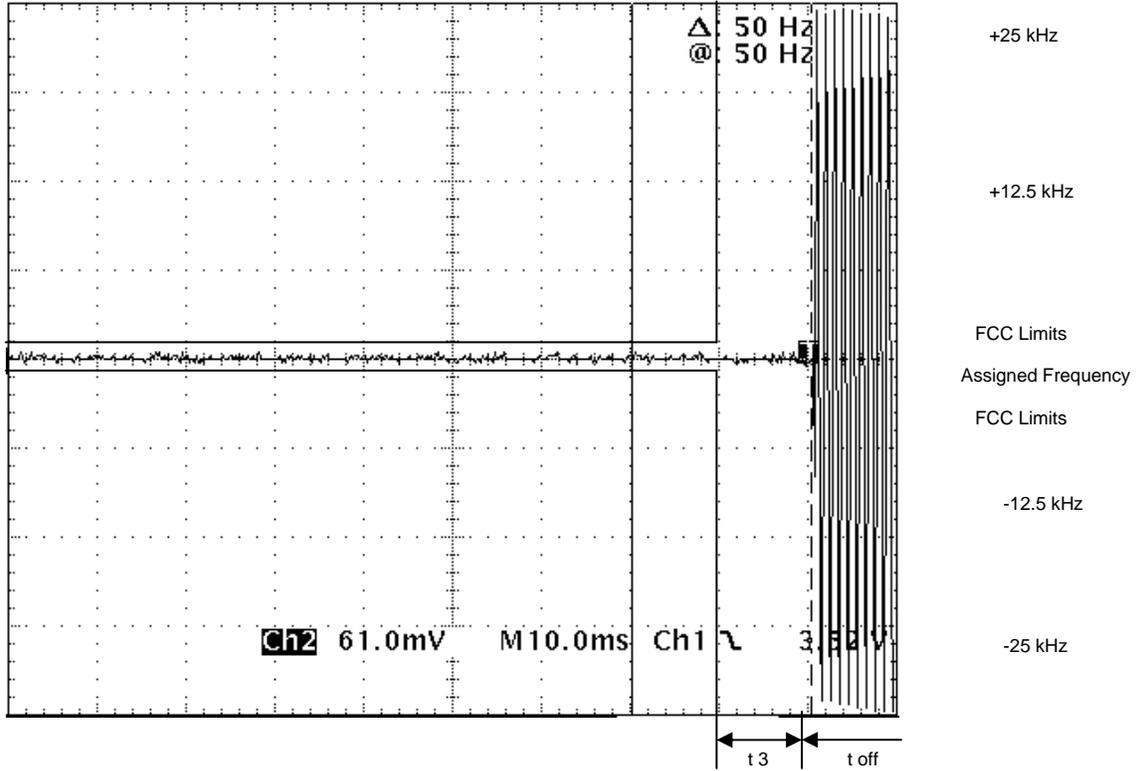


EXHIBIT 6G-6



**MOTOROLA**

FCC ID: AZ492FT4887

**Transient Frequency Behavior TX on 12.5 kHz (2Watts)**

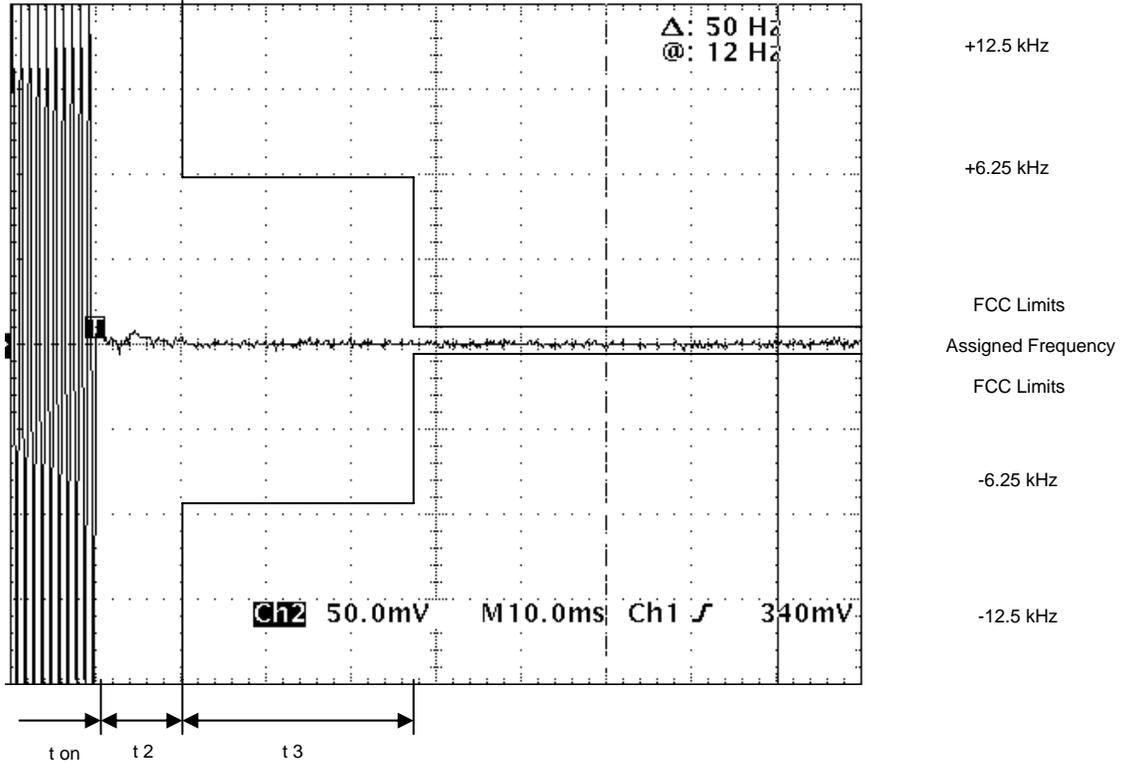


EXHIBIT 6G-7



**MOTOROLA**

FCC ID: AZ492FT4887

**Transient Frequency Behavior TX off 12.5 kHz (2Watts)**

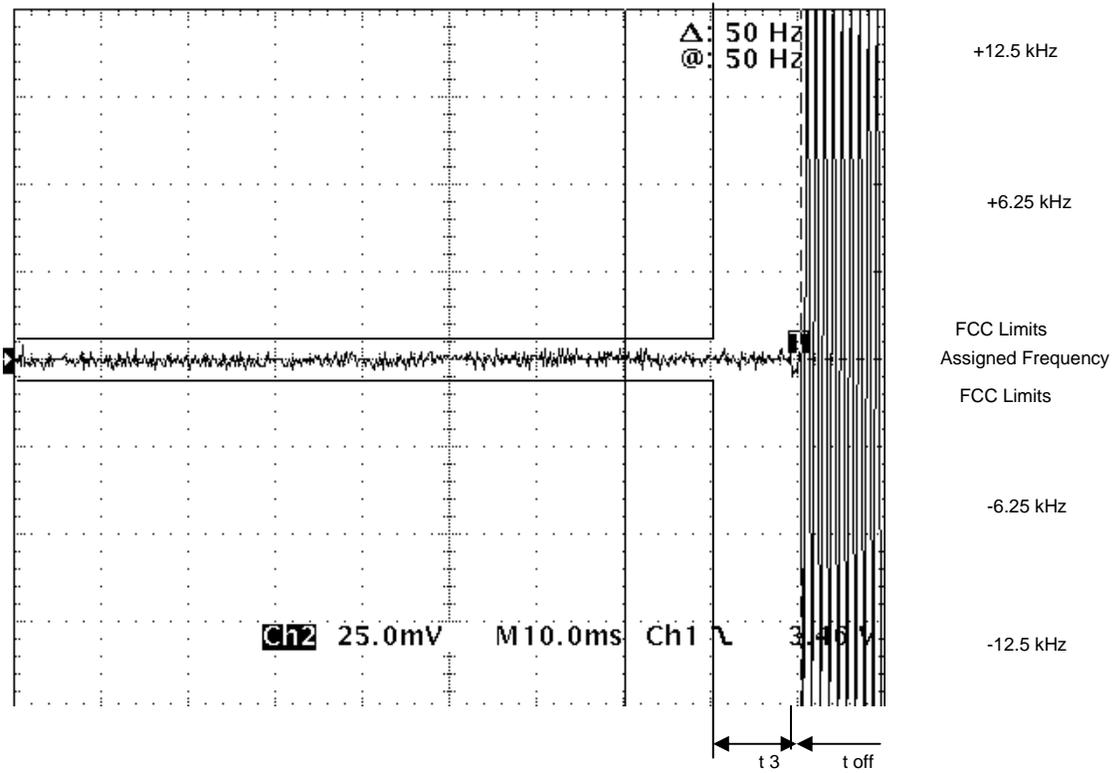


EXHIBIT 6G-8