

**Test Report**

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EXHIBIT 6

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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.

Frequency	464.5500 MHz
Measured Conducted RF output*	0.502 Watts/1.0 Watts
Normal DC Voltage	3.70 Volts
Normal DC Current	850 ma/ 520ma
Primary Supply Voltage	3.80 Volts

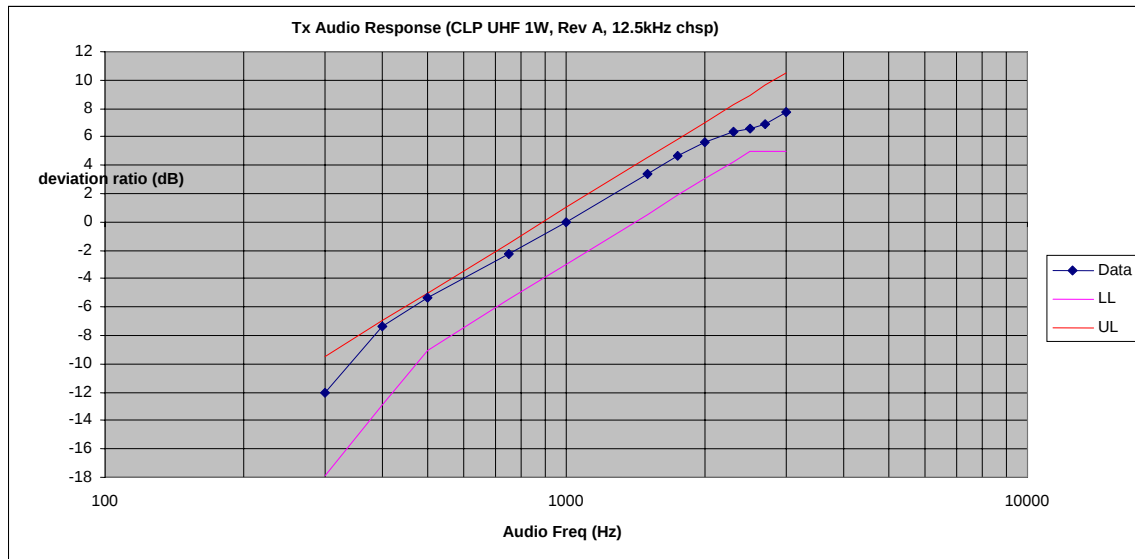
*Note: RF Conducted output power measured at 3.80Volts



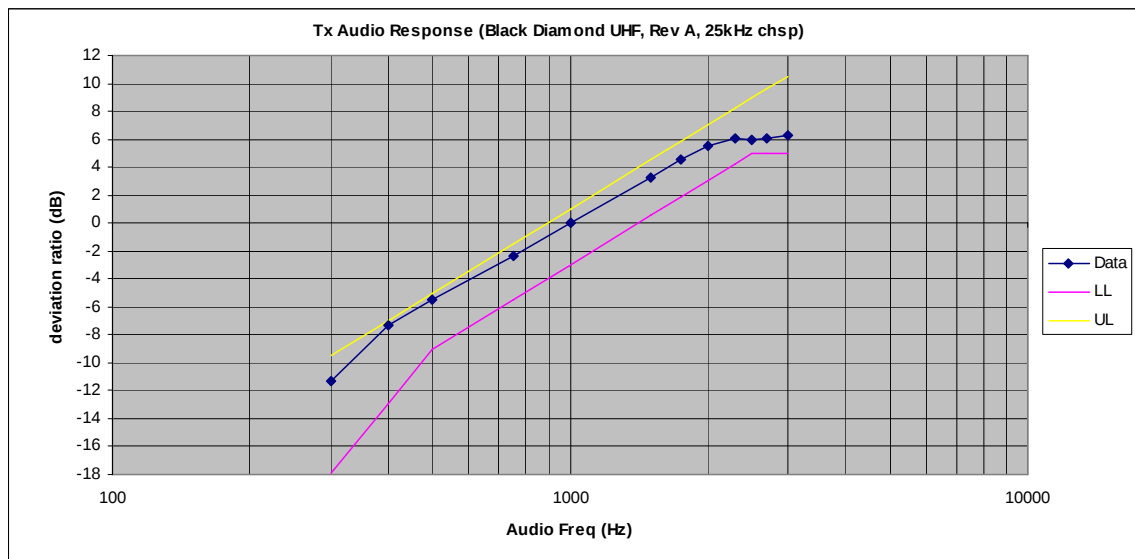
MOTOROLA

FCC ID: AZ489FT4902

Audio Response 12.5 kHz/25 kHz



12.5 kHz



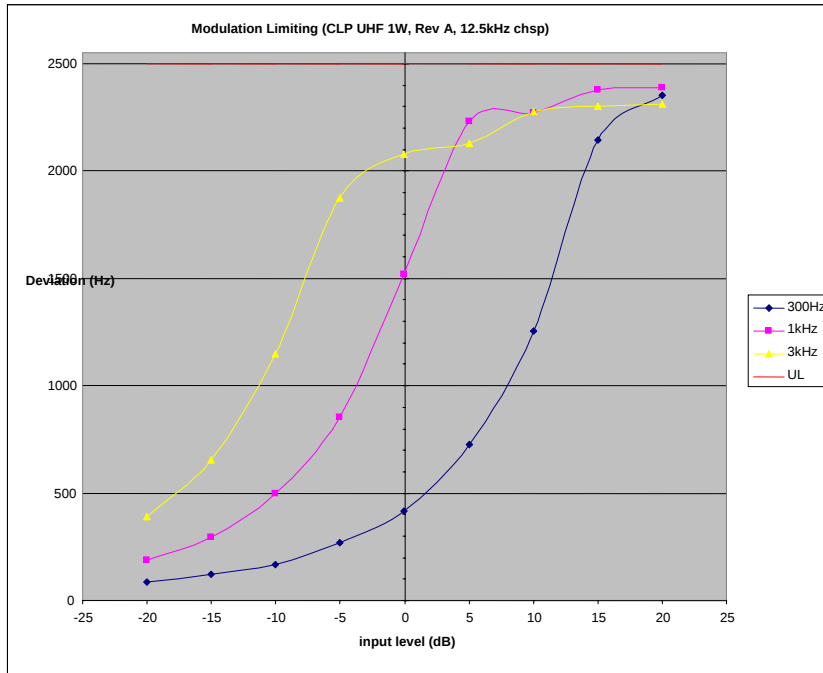
25 kHz



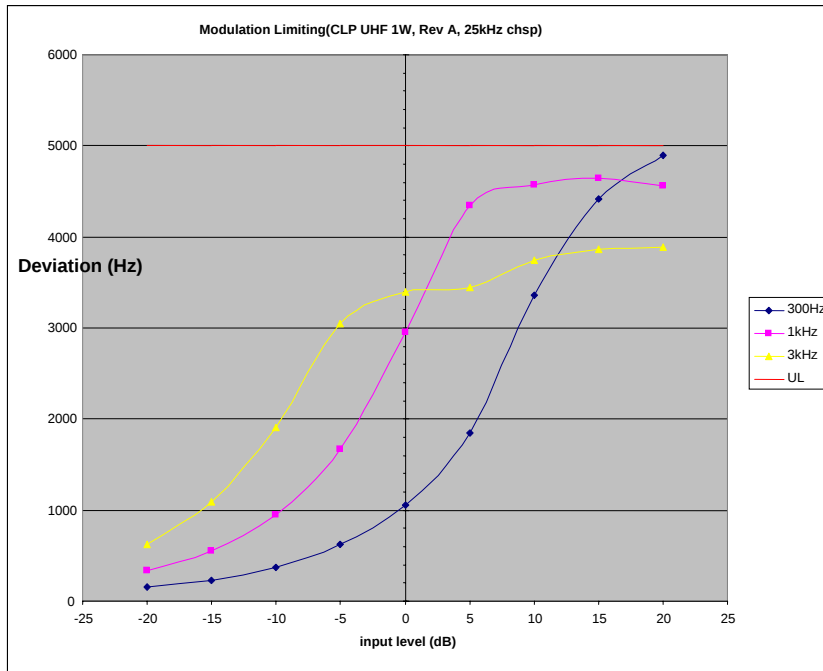
MOTOROLA

FCC ID: AZ489FT4902

MODULATION LIMITING 12.5 kHz/ 25 kHz



12.5 kHz



25 kHz

EXHIBIT 6C



MOTOROLA

FCC ID: AZ489FT4902

OCCUPIED BANDWIDTH DATA

1Watt

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: AZ489FT4902

1- Watt 12.5 kHz
Mask D, Rule Part: 90.210
Emission Type: 11K0F3E

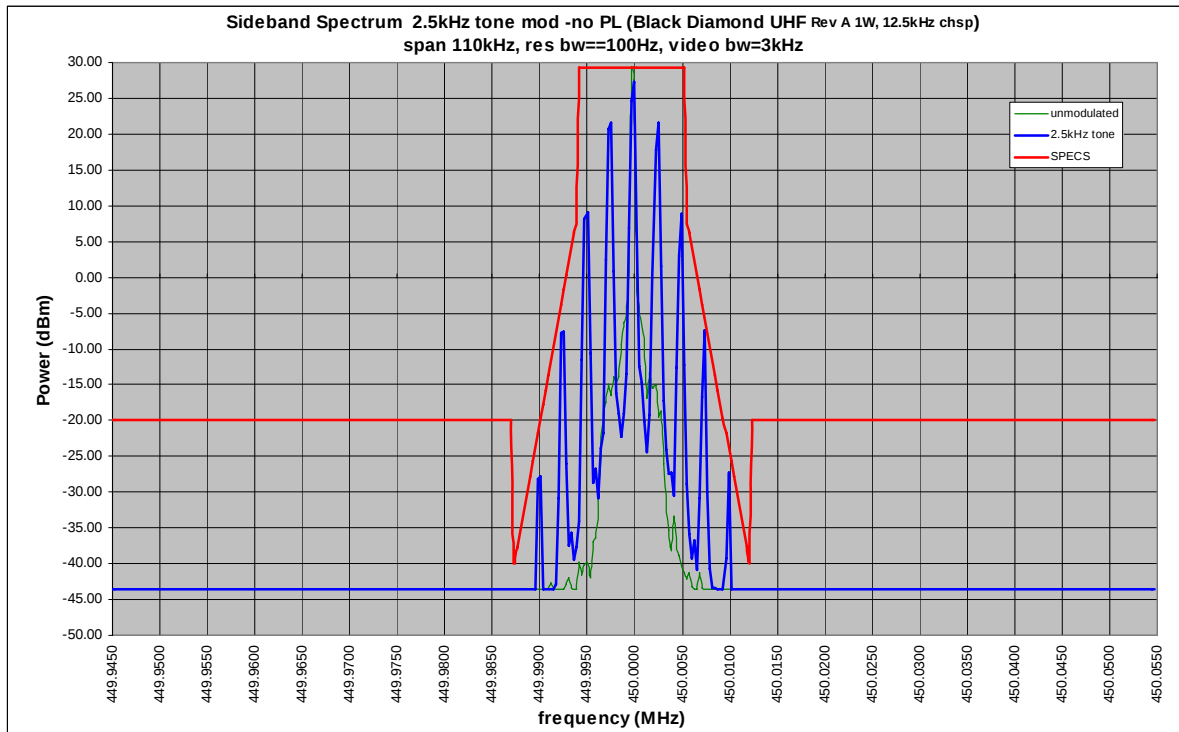


EXHIBIT 6D-1



MOTOROLA

FCC ID: AZ489FT4902

1- Watt 25 kHz
Mask B, Rule Part: 90
Emission Type: 16K0F3E

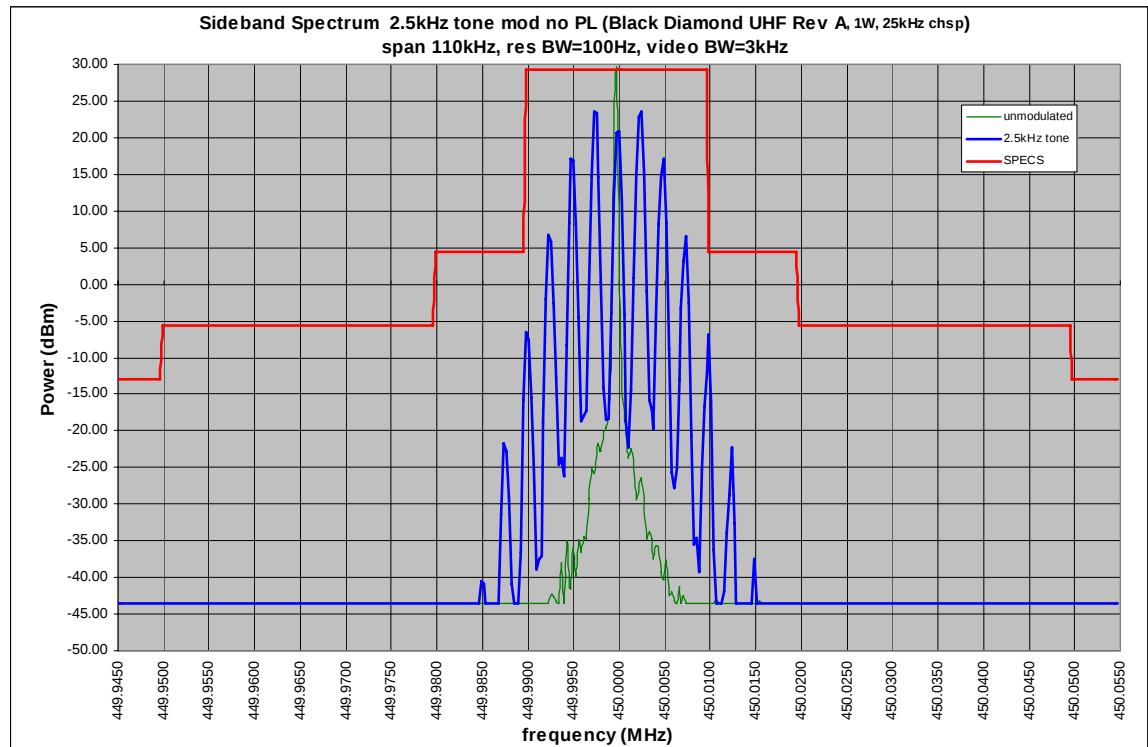


EXHIBIT 6D-2



MOTOROLA

FCC ID: AZ489FT4902

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

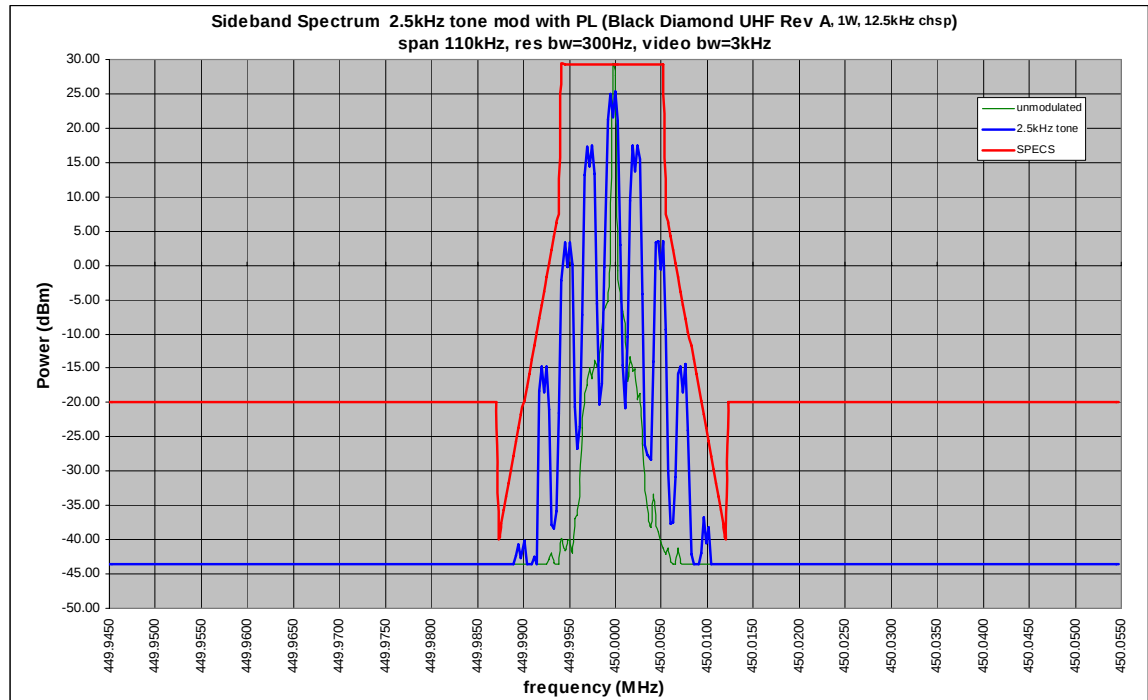
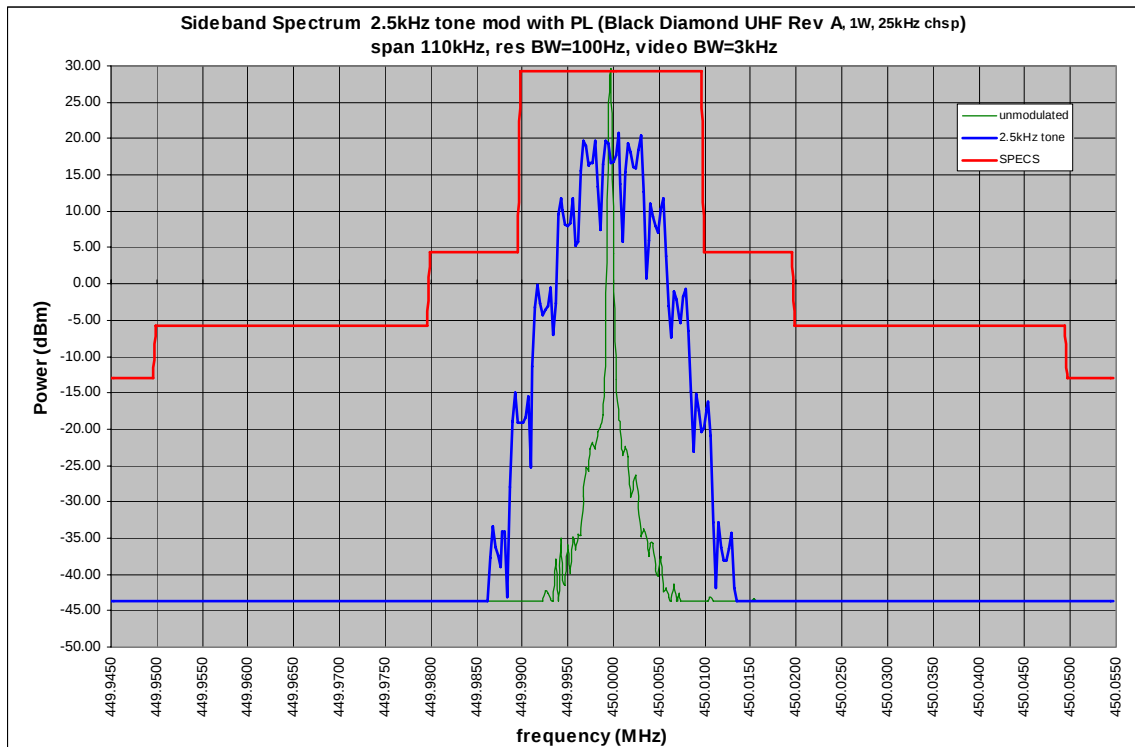


EXHIBIT 6D-3



1- Watt 25 kHz
2500 Hz & 77 Hz Tone "PL" Modulation
Mask B, Rule Part: 90
Emission Type: 16K0F3E



**MOTOROLA**

FCC ID: AZ489FT4902

1 Watt

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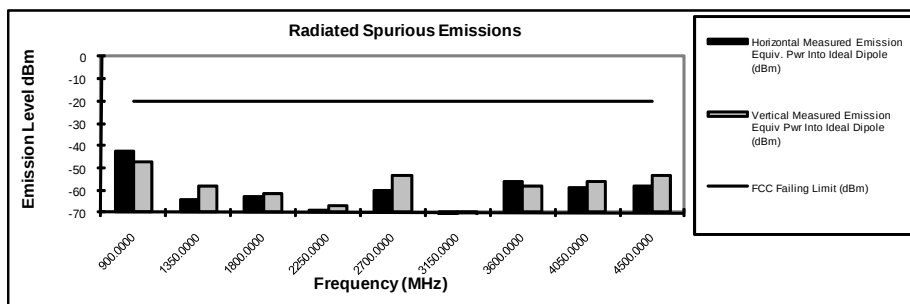
FCC ID:AZ489FT4902

Transmit Radiated Spurious Emissions: CLP Battery-BT90 Wired Head Set

Tx Power: 1 Watts

450 MHz**Channel Spacing 12.5kHz | S/N Unit #1**

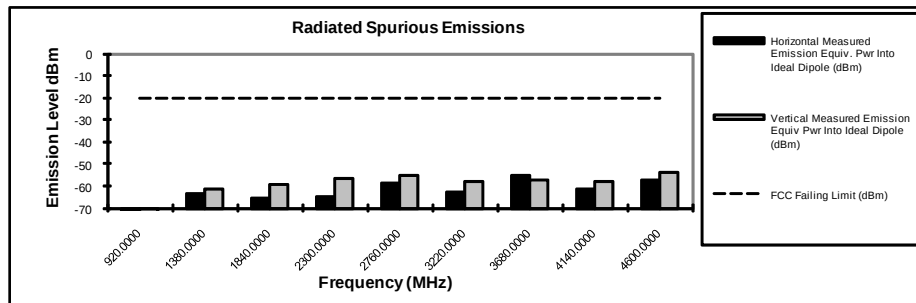
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0000	-20	-42.53	-47.10
1350.0000	-20	-64.35	-58.29
1800.0000	-20	-63.11	-61.75
2250.0000	-20	-69.16	-66.73
2700.0000	-20	-60.18	-53.68
3150.0000	-20	*	*
3600.0000	-20	-56.24	-58.39
4050.0000	-20	-59.04	-56.16
4500.0000	-20	-58.11	-53.48

**Transmit Radiated Spurious Emissions: CLP Battery-BT90 Wired Head Set**

Tx Power: 1 Watts

460 MHz**Channel Spacing 12.5kHz | S/N Unit #1**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
920.0000	-20	*	*
1380.0000	-20	-63.47	-61.49
1840.0000	-20	-65.65	-59.35
2300.0000	-20	-65.02	-56.36
2760.0000	-20	-58.81	-55.30
3220.0000	-20	-62.73	-58.31
3680.0000	-20	-55.34	-57.57
4140.0000	-20	-61.41	-58.19
4600.0000	-20	-57.64	-53.94



* 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: Alberto Cordero

December 2, 2010

FCC Registration: 91932 / Industry Canada: IC109U-1

EXHIBIT 6E-1



MOTOROLA

FCC ID: AZ489FT4902

1 Watt

Motorola Inc.

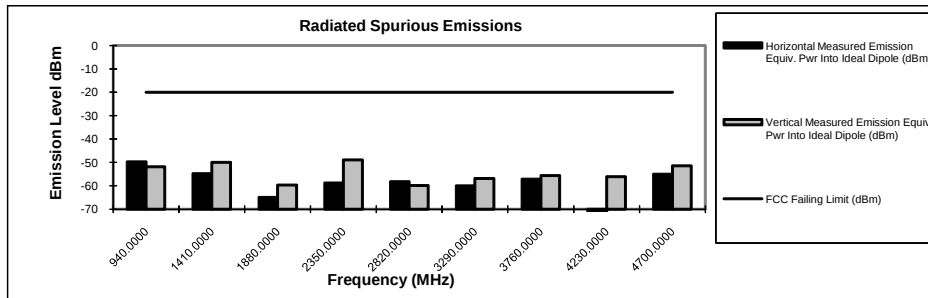
FCC ID:AZ489FT4902

Transmit Radiated Spurious Emissions: CLP Battery-BT90 Wired Head Set Tx Power: 1 Watts

470 MHz

Channel Spacing 12.5kHz | S/N Unit #1

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	-49.77	-51.93
1410.0000	-20	-54.85	-49.91
1880.0000	-20	-64.96	-59.71
2350.0000	-20	-58.82	-48.92
2820.0000	-20	-58.23	-59.84
3290.0000	-20	-60.03	-56.88
3760.0000	-20	-57.19	-55.64
4230.0000	-20	*	-56.16
4700.0000	-20	-55.02	-51.49



* 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: Alberto Cordero
FCC Registration: 91932 / Industry Canada: IC109U-1

December 2, 2010

EXHIBIT 6E-2

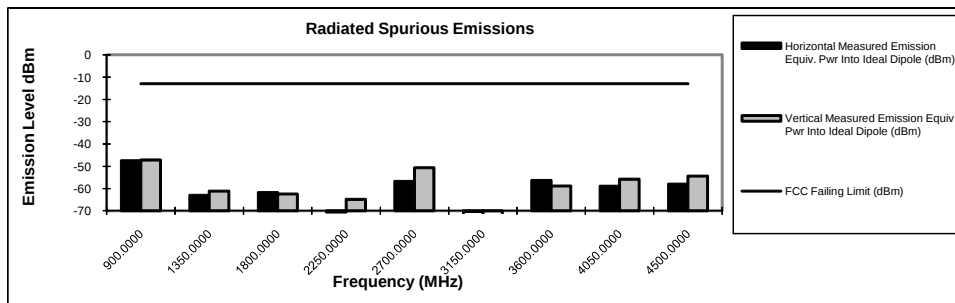
**1Watts**

Motorola Inc.

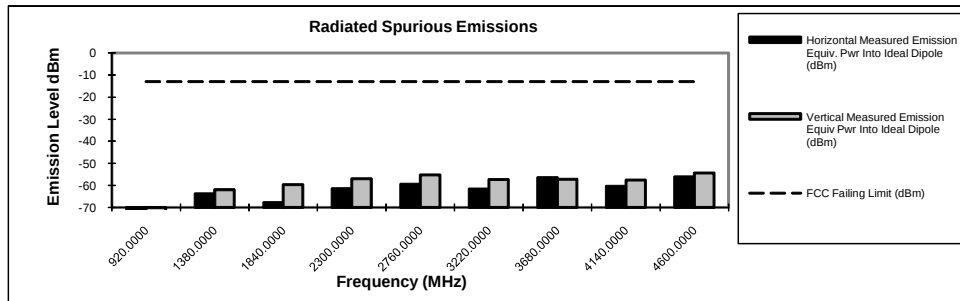
FCC ID:AZ489FT4902

Transmit Radiated Spurious Emissions: CLP Battery-BT60 Wired Head Set**Tx Power: 1 Watts****450 MHz****Channel Spacing 25kHz | S/N Unit #1**

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	-47.50	-47.22
1350.0000	-13	-63.04	-61.16
1800.0000	-13	-61.80	-62.45
2250.0000	-13	-70.50	-64.83
2700.0000	-13	-56.76	-50.66
3150.0000	-13	*	*
3600.0000	-13	-56.32	-58.82
4050.0000	-13	-58.95	-55.84
4500.0000	-13	-57.97	-54.34

**Transmit Radiated Spurious Emissions: CLP Battery-BT60 Wired Head Set****Tx Power: 1 Watts****460 MHz****Channel Spacing 25kHz | S/N Unit #1**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
920.0000	-13	*	*
1380.0000	-13	-63.87	-61.99
1840.0000	-13	-67.79	-59.69
2300.0000	-13	-61.49	-57.05
2760.0000	-13	-59.43	-55.29
3220.0000	-13	-61.68	-57.32
3680.0000	-13	-56.45	-57.22
4140.0000	-13	-60.38	-57.54
4600.0000	-13	-56.16	-54.38



* 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: AZ489FT4902

1 Watts

Motorola Inc.

FCC ID:AZ489FT4902

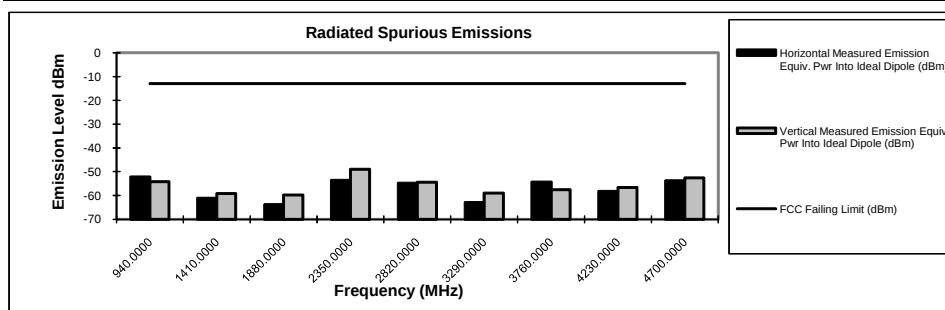
Transmit Radiated Spurious Emissions: CLP Battery-BT60 Wired Head Set

Tx Power: 1 Watts

470 MHz

Channel Spacing 25kHz | S/N Unit #1

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	-52.22	-54.17
1410.0000	-13	-61.10	-59.18
1880.0000	-13	-63.82	-59.82
2350.0000	-13	-53.65	-48.98
2820.0000	-13	-54.86	-54.39
3290.0000	-13	-62.96	-58.96
3760.0000	-13	-54.29	-57.54
4230.0000	-13	-58.31	-56.64
4700.0000	-13	-53.78	-52.56



* 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.

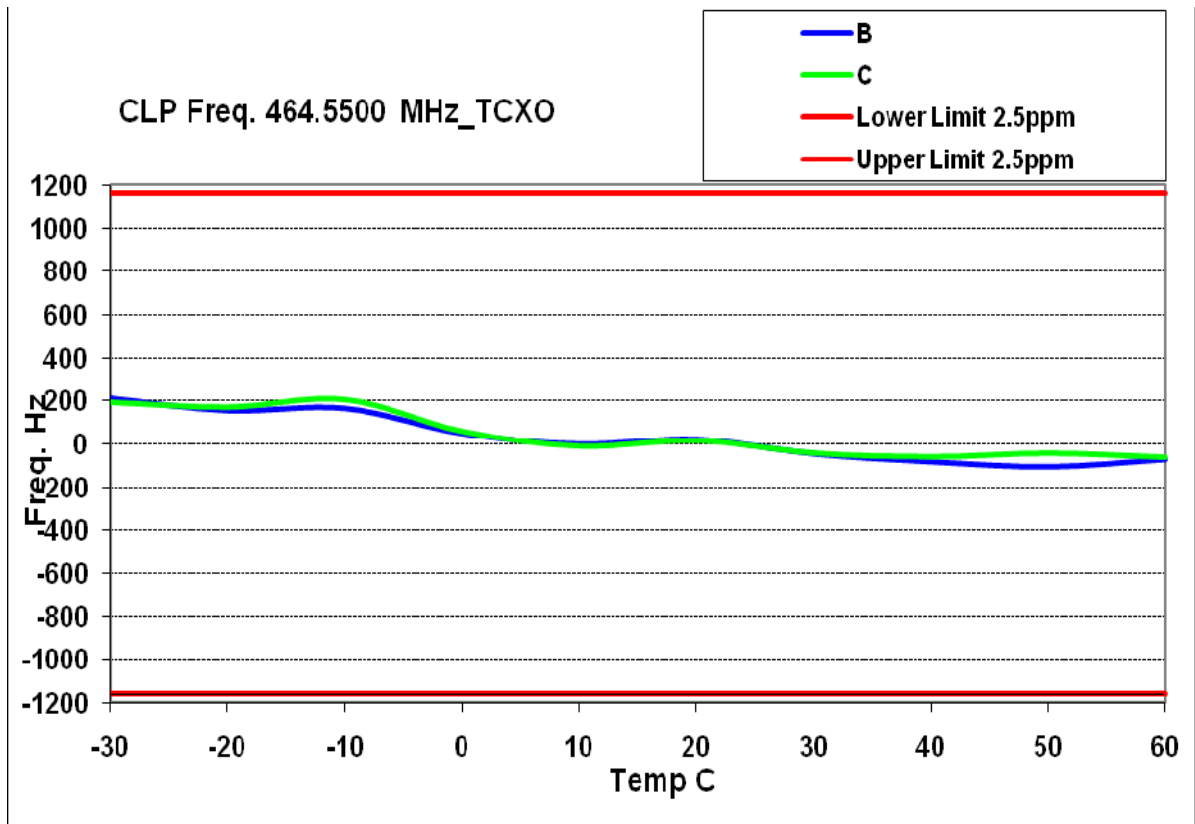
Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero
FCC Registration: 91932 / Industry Canada: IC109U-1

December 2, 2010

EXHIBIT 6E-4

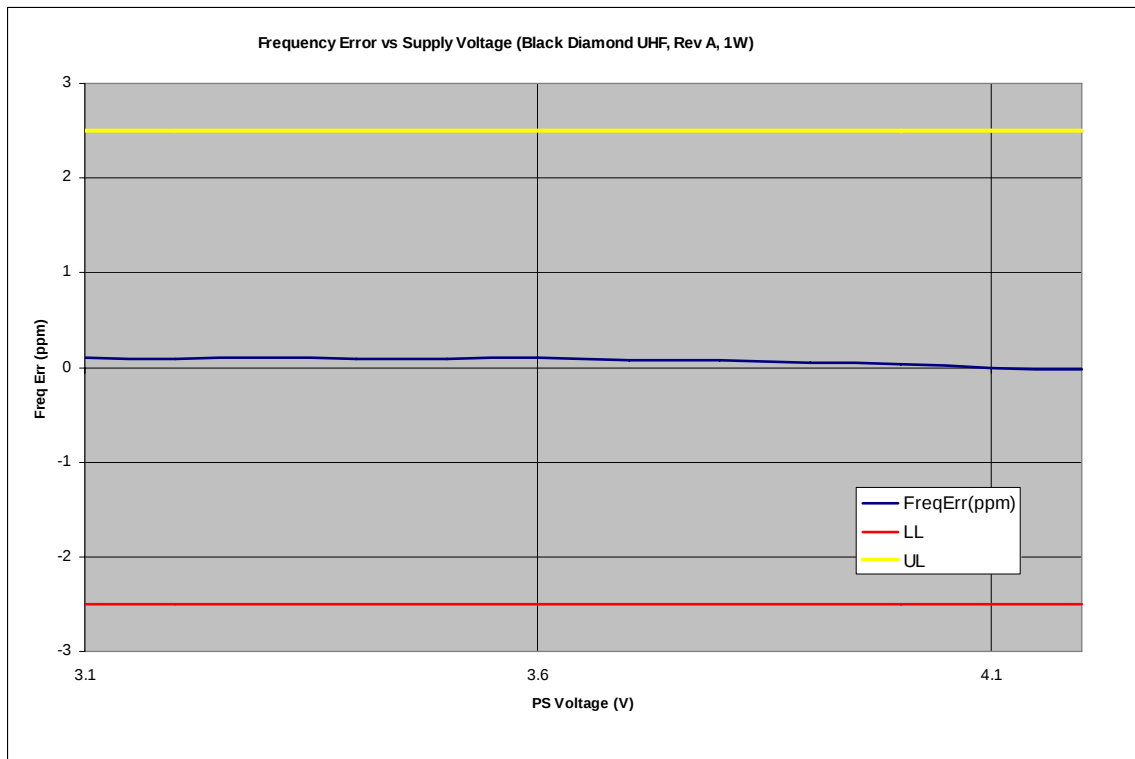


Frequency Stability over Temperature

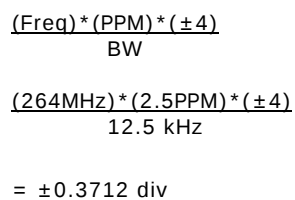




Frequency Error over Voltage



Reset Voltage 3.3Volts





MOTOROLA

FCC ID: AZ489FT4902

Transient Frequency Response Tx off 1Watt 12.5 kHz

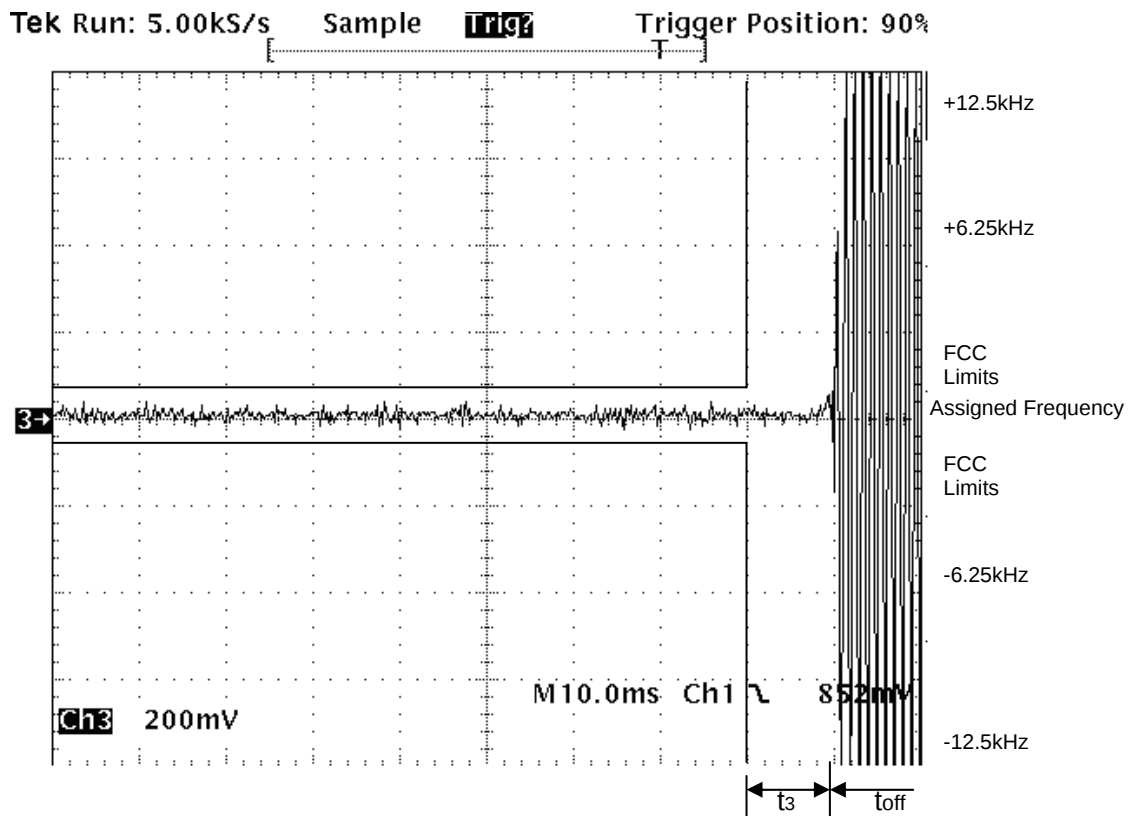


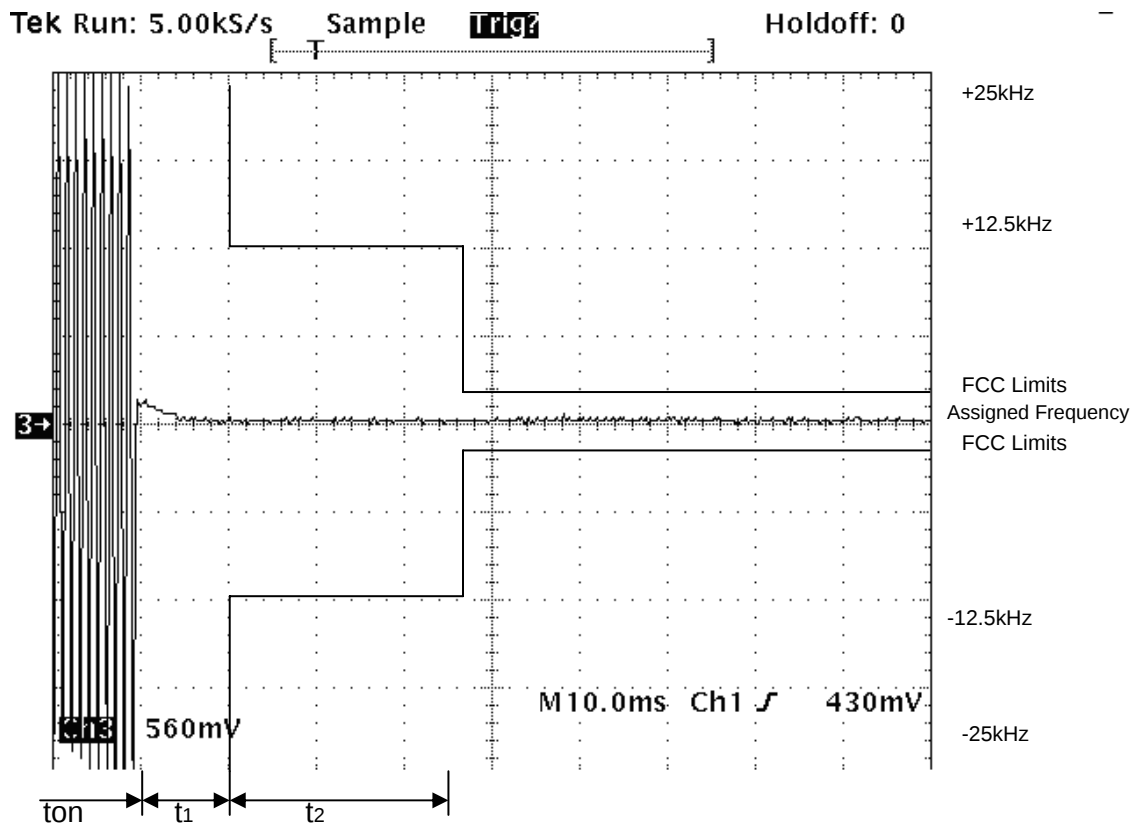
EXHIBIT 6G-2



MOTOROLA

FCC ID: AZ489FT4902

Transient Frequency Response Tx on 1 Watt 25 kHz



$$\frac{(\text{Freq}) * (\text{PPM}) * (\pm 4)}{\text{BW}}$$

$$\frac{(264\text{MHz}) * (5\text{PPM}) * (\pm 4)}{25 \text{ kHz}}$$

$$= \pm 0.3712 \text{ div}$$

EXHIBIT 6G-3



MOTOROLA

FCC ID: AZ489FT4902

Transient Frequency Response Tx off 1 Watt 25 kHz

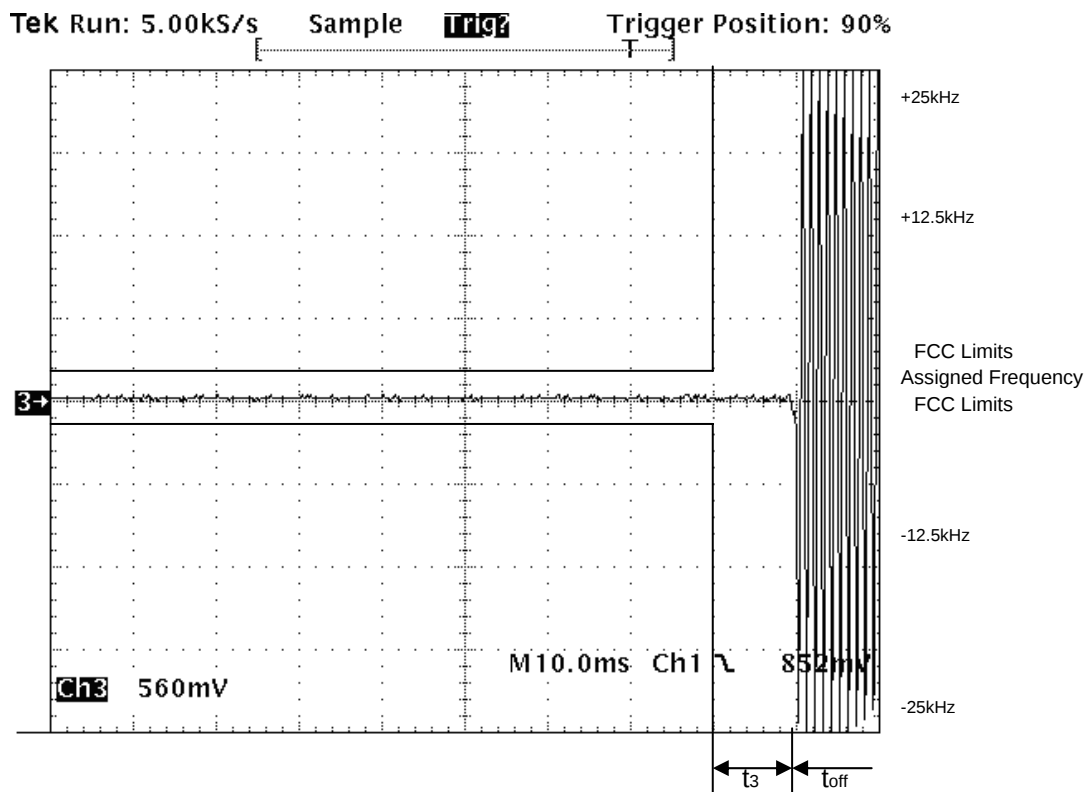


EXHIBIT 6G-4