

6.4: Radiated Spurious Emissions -- Pursuant 47 CFR 2.1053, 2.1057, 90.210(g)(3), 90.691(a)(2)

FCC Limits

-Per 90.210(g)(3) and 90.691(a)(2), radiated spurious emissions shall be attenuated below the maximum level of emission of the carrier frequency in accordance with the following formula:

Spurious attenuation in dB = $43 + 10 \log_{10} (P)$
(Thus the effective limit is -13 dBm for any transmitter power level).

NOTE 1: Spurious emissions are dependent on the linearity of the Power Amplifier and are independent of modulation type or TDM interleaving. Thus emissions were tested with the radio set to Quad-16QAM at both maximum and minimum radio output power settings.

NOTE 2: An asterisk () in the data indicates the spurious emission was less than -33 dBm or could not be detected due to noise limitations or ambients.*

NOTE 3: Spurious emission levels were measured with the non-detachable antenna mounted on the radio product, as in intended use. Measurement setup is described in Exhibit 7.3.

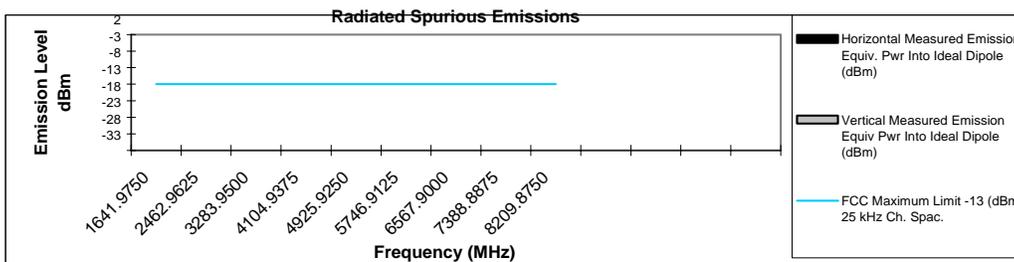
Motorola Inc.

FCC ID:AZ489FT5843

Transmitter Radiated Spurious Emissions: i930

820.9875 MHz 0.64 Channel Spacing 25KHZ S/N 805AFC000Z

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XEund	1641.9750	-13	*	*
3XEund	2462.9625	-13	*	*
4XEund	3283.9500	-13	*	*
5XEund	4104.9375	-13	*	*
6XEund	4925.9250	-13	*	*
7XEund	5746.9125	-13	*	*
8XEund	6567.9000	-13	*	*
9XEund	7388.8875	-13	*	*
10XEund	8209.8750	-13	*	*

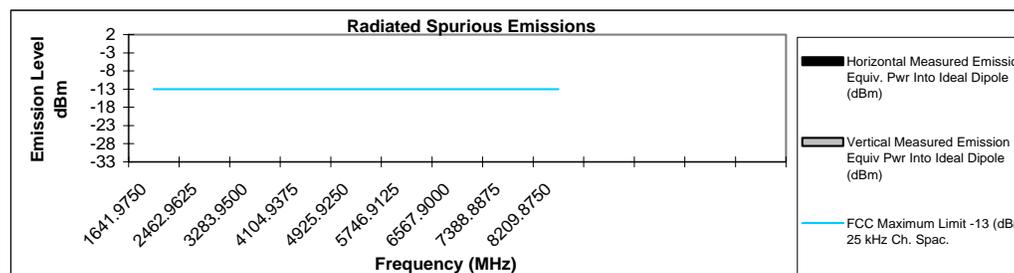


* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Transmitter Radiated Spurious Emissions: i930

824.9875 MHz 0.64 Channel Spacing 25KHZ S/N 805AFC000Z

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XEund	1641.9750	-13	*	*
3XEund	2462.9625	-13	*	*
4XEund	3283.9500	-13	*	*
5XEund	4104.9375	-13	*	*
6XEund	4925.9250	-13	*	*
7XEund	5746.9125	-13	*	*
8XEund	6567.9000	-13	*	*
9XEund	7388.8875	-13	*	*
10XEund	8209.8750	-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

April 12, 2005

FCC Registration: 91932 / Industry Canada: IC3679

Figure 6-90b: Maximum Power Setting Transmitter Spurious Emissions

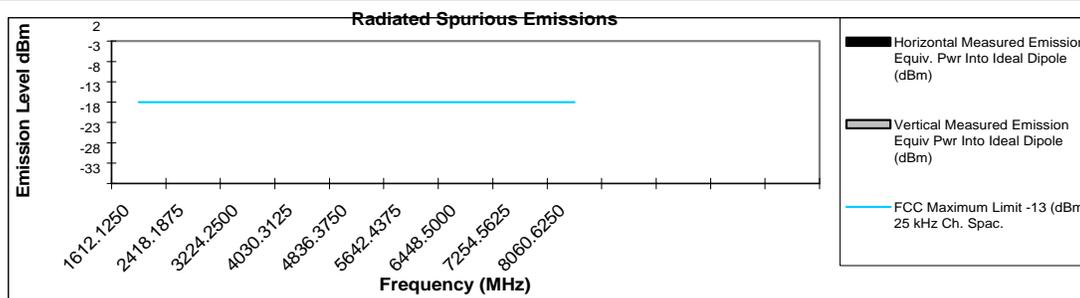
Motorola Inc.

FCC ID:AZ489FT5843

Transmitter Radiated Spurious Emissions: i930

806.0625 MHz cutback Channel Spacing 25KHZ S/N 805AFC000Z

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1612.1250	-13	*	*
3XFund	2418.1875	-13	*	*
4XFund	3224.2500	-13	*	*
5XFund	4030.3125	-13	*	*
6XFund	4836.3750	-13	*	*
7XFund	5642.4375	-13	*	*
8XFund	6448.5000	-13	*	*
9XFund	7254.5625	-13	*	*
10XFund	8060.6250	-13	*	*

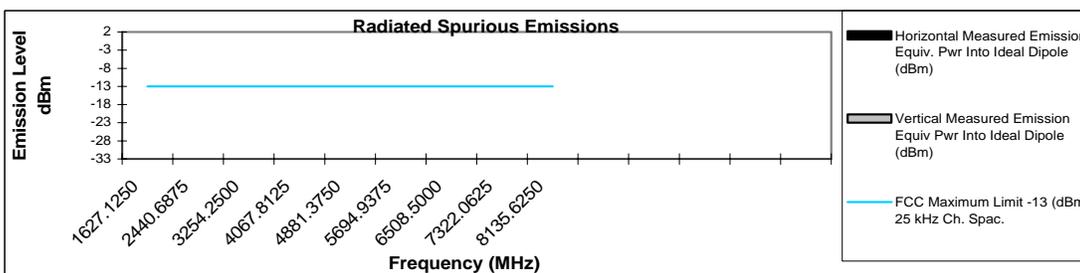


* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Transmitter Radiated Spurious Emissions: i930

813.5625 MHz cutback Channel Spacing 25KHZ S/N 805AFC000Z

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1627.1250	-13	*	*
3XFund	2440.6875	-13	*	*
4XFund	3254.2500	-13	*	*
5XFund	4067.8125	-13	*	*
6XFund	4881.3750	-13	*	*
7XFund	5694.9375	-13	*	*
8XFund	6508.5000	-13	*	*
9XFund	7322.0625	-13	*	*
10XFund	8135.6250	-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

April 12, 2005

Figure 6-92a: Minimum Power Setting Transmitter Spurious Emissions

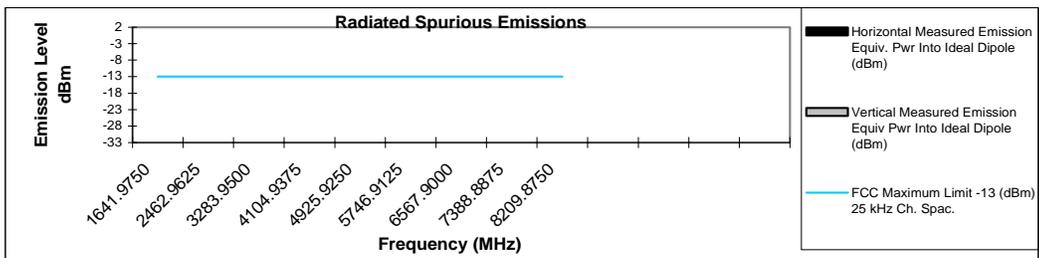
Motorola Inc.

FCC ID:AZ489FT5843

Transmitter Radiated Spurious Emissions: i930

820.9875 MHz cutback Channel Spacing 25KHZ S/N 805AFC000Z

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1641.9750	-13	*	*
3XFund	2462.9625	-13	*	*
4XFund	3283.9500	-13	*	*
5XFund	4104.9375	-13	*	*
6XFund	4925.9250	-13	*	*
7XFund	5746.9125	-13	*	*
8XFund	6567.9000	-13	*	*
9XFund	7388.8875	-13	*	*
10XFund	8209.8750	-13	*	*

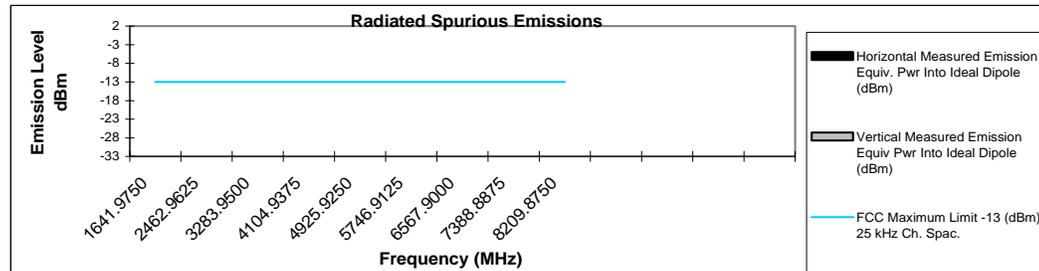


* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Transmitter Radiated Spurious Emissions: i930

824.9875 MHz cutback Channel Spacing 25KHZ S/N 805AFC000Z

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1641.9750	-13	*	*
3XFund	2462.9625	-13	*	*
4XFund	3283.9500	-13	*	*
5XFund	4104.9375	-13	*	*
6XFund	4925.9250	-13	*	*
7XFund	5746.9125	-13	*	*
8XFund	6567.9000	-13	*	*
9XFund	7388.8875	-13	*	*
10XFund	8209.8750	-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

April 12, 2005

FCC Registration: 91932 / Industry Canada: IC3679

Figure 6-92b: Minimum Power Setting Transmitter Spurious Emissions

Motorola Inc.

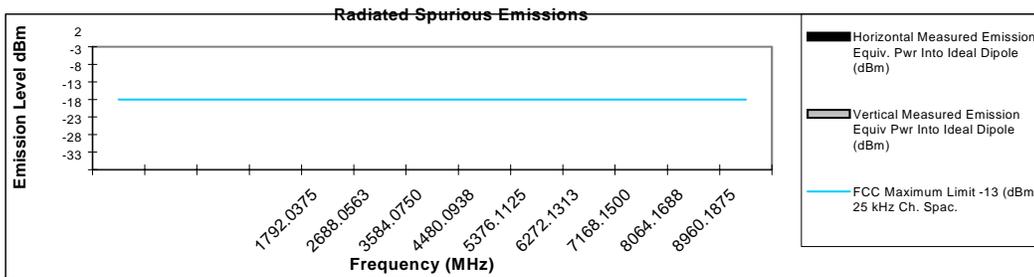
FCC ID:AZ489FT5843

Transmitter Radiated Spurious Emissions: H73XAN6RR4AN

896.01875 MHz

Channel Spacing 25KHZ S/N 364AEEQLMM

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
		-13		
		-13		
		-13		
		-13		
2XEund	1792.0375	-13	*	*
3XEund	2688.0563	-13	*	*
4XEund	3584.0750	-13	*	*
5XEund	4480.0938	-13	*	*
6XEund	5376.1125	-13	*	*
7XEund	6272.1313	-13	*	*
8XEund	7168.1500	-13	*	*
9XEund	8064.1688	-13	*	*
10XEund	8960.1875	-13	*	*



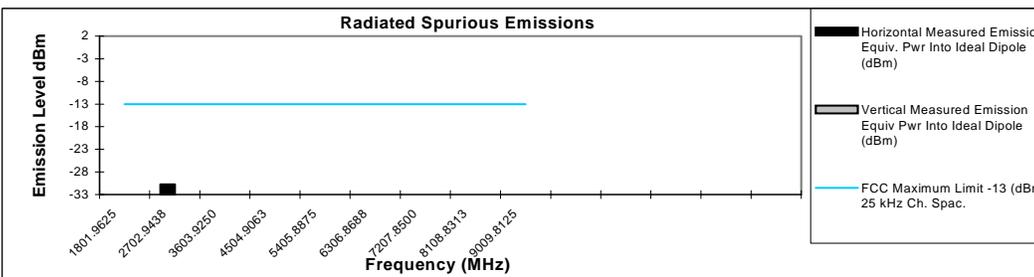
Indicates the spurious emission could not be detected due to noise limitations or ambients.

Transmitter Radiated Spurious Emissions: H73XAN6RR4AN

900.98125 MHz

Channel Spacing 25KHZ S/N 364AEEQLMM

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XEund	1801.9625	-13	*	*
3XEund	2702.9438	-13	-30.76	*
4XEund	3603.9250	-13	*	*
5XEund	4504.9063	-13	*	*
6XEund	5405.8875	-13	*	*
7XEund	6306.8688	-13	*	*
8XEund	7207.8500	-13	*	*
9XEund	8108.8313	-13	*	*
10XEund	9009.8125	-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: Constantin Belean

April 6, 2004

FCC Registration: 91932 / Industry Canada: IC3679

Motorola Inc.

FCC ID:AZ489FT5843

Figure 6-93: Minimum Power Setting Transmitter Spurious Emissions