



Date: 18th March 2002

Mr. Martin Perrine
Authorization & Evaluation Division
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Re: Form 731 Confirmation Number: EA823993 with FCC ID: AZ489FT5818.

Dear Mr. Perrine;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 13 March 2002 request for information in Correspondence Number 22299.

Additional spurious emission measurements were performed with the unit terminated, as requested, in its integral antenna rather than the dummy load specified in ANSI/TIA/EIA-603-A §2.2.12.2. The resulting data is provided in the requested dBc format in attached Exhibit 6.4 Addendum. The power measured with a vertically polarized antenna from the radio test specimen operating at 27.8 dBm rated power in its normal vertical position is taken as the 0dB reference level. For clarity, not shown are values more than 23 dB below the $43 + 10 \log(P)$ permissible level of -40.8 dBc (43- (30-27.8)), or limited by the noise figure of the spectrum analyzer.

This data was obtained for the 3 different modulations employed during normal operation; quad 16-QAM, quad 64-QAM and QPSK. Within measurement uncertainty, the data shows that the type of digital modulation had no effect on the strength of the spurious emissions.

Contact me at (954) 723-5793 if you require any additional information.

Sincerely,
/s/ *Mike Ramnath*
FCC Liaison
Email: mike.ramnath@motorola.com

Attachment: Exhibit 6.4 Addendum, Radiated Spurious Emissions Data.

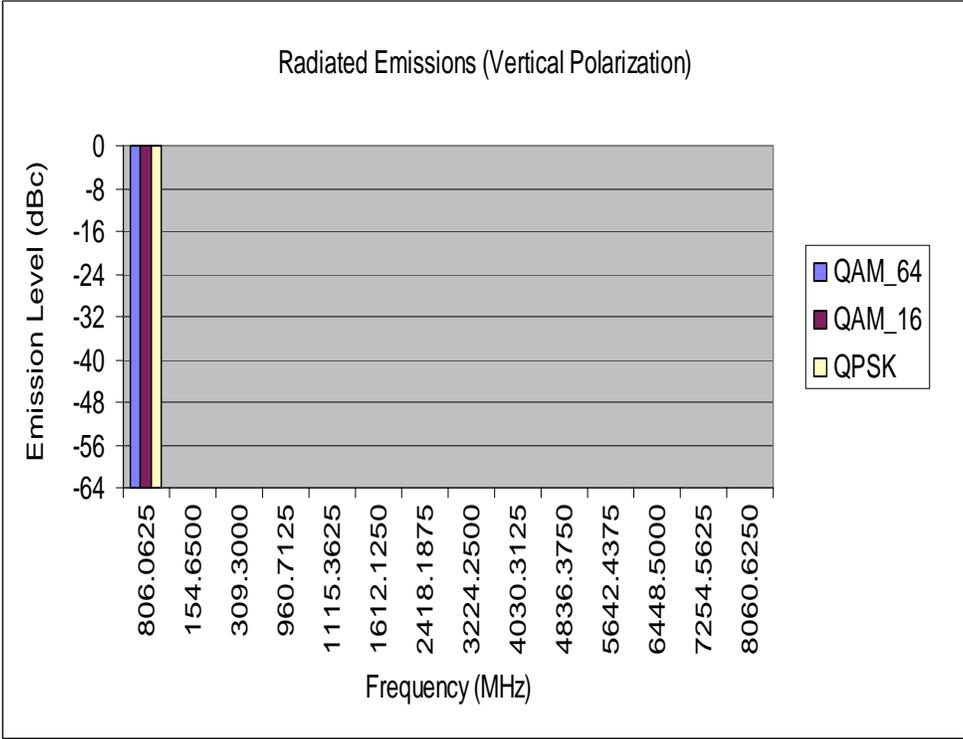
Exhibit 6.4 Addendum, Radiated Spurious Emissions Data.

NOTE 1: The unit was measured with settings to produce rated output power (600 mw nominal) with automatic power cutback disabled.

NOTE 2: An asterisk (*) in the data indicates the spurious emission was more than 23 below the maximum permitted level (-40.8 dBc), or could not be detected due to noise limitations.

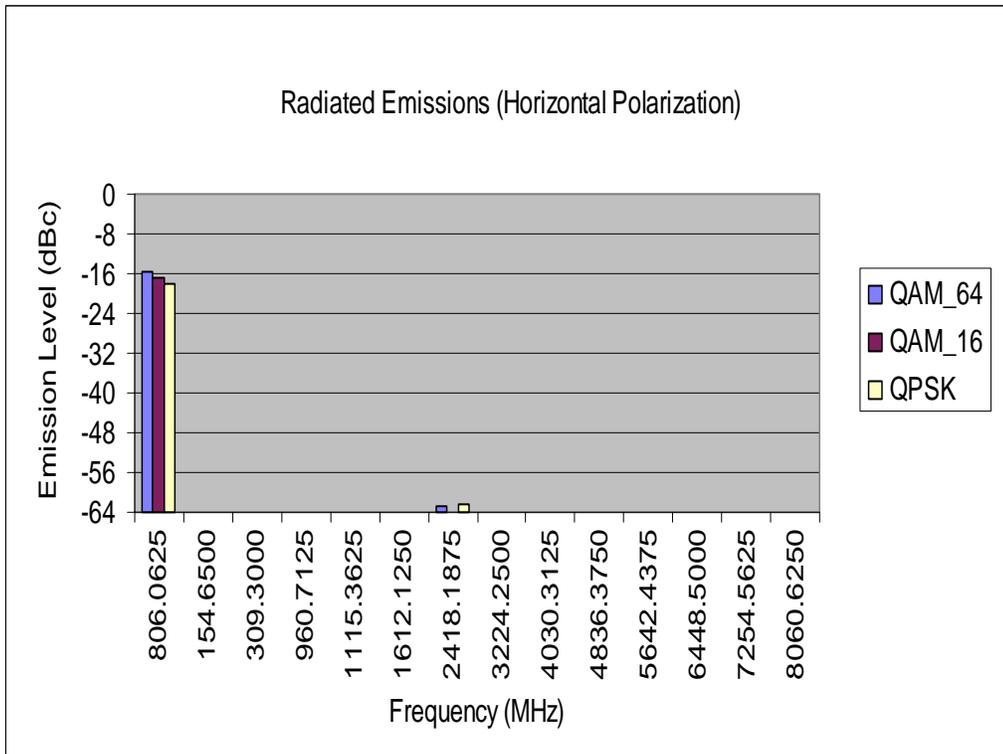
**Transmitter Radiated Spurious Emissions: (Vertical)
806.0625 MHz**

Spur	Frequency (MHz)	Vertical Measured Radiated Emission Power with internal Antenna (dBc)		
		QAM_64	QAM_16	QPSK
Fund	806.0625	0	0	0
IF	154.65	*	*	*
2 X IF	309.3	*	*	*
LO	960.7125	*	*	*
IF + LO	1115.3625	*	*	*
2XFund	1612.125	*	*	*
3XFund	2418.1875	*	*	*
4XFund	3224.25	*	*	*
5XFund	4030.3125	*	*	*
6XFund	4836.375	*	*	*
7XFund	5642.4375	*	*	*
8XFund	6448.5	*	*	*
9XFund	7254.5625	*	*	*
10XFund	8060.625	*	*	*



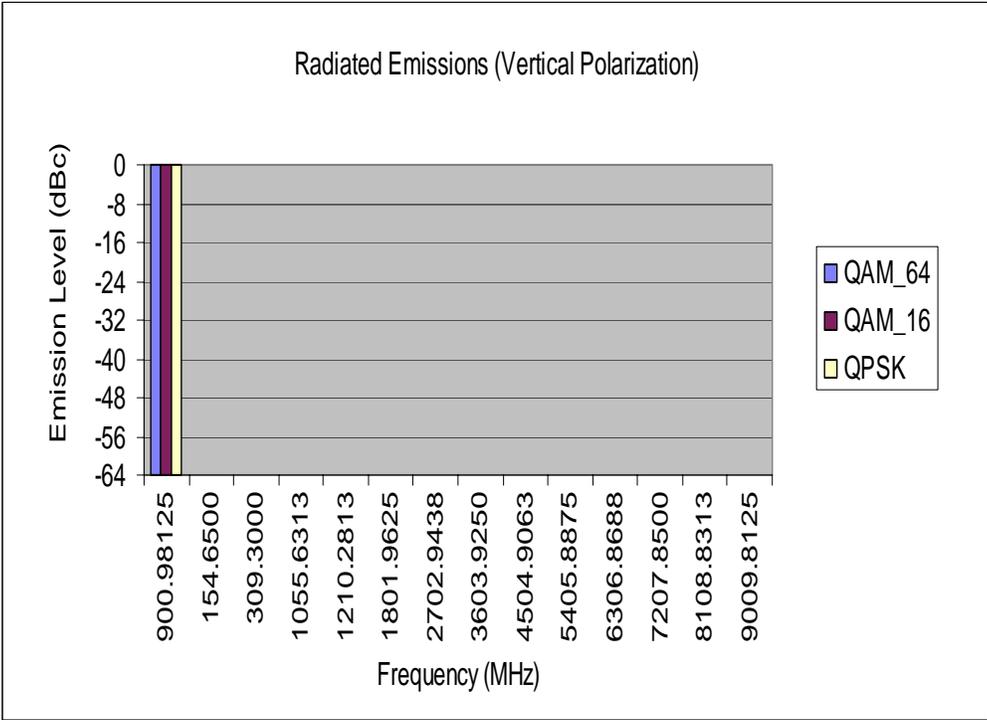
**Transmitter Radiated Spurious Emissions: (Horizontal)
806.0625 MHz**

Spur	Frequency (MHz)	Horizontal Measured Radiated Emission Power with internal Antenna (dBc)		
		QAM_64	QAM_16	QPSK
Fund	806.0625	-15.55	-16.75	-18.19
IF	154.65	*	*	*
2 X IF	309.3	*	*	*
LO	960.7125	*	*	*
IF + LO	1115.3625	*	*	*
2XFund	1612.125	*	*	*
3XFund	2418.1875	-62.87	*	-62.33
4XFund	3224.25	*	*	*
5XFund	4030.3125	*	*	*
6XFund	4836.375	*	*	*
7XFund	5642.4375	*	*	*
8XFund	6448.5	*	*	*
9XFund	7254.5625	*	*	*
10XFund	8060.625	*	*	*



**Transmitter Radiated Spurious Emissions: (Vertical)
900.98125 MHz**

Spur	Vertical Frequency (MHz)	Measured Radiated Emission Power with internal Antenna (dBc)		
		QAM_64	QAM_16	QPSK
Fund	900.98125	0	0	0
IF	154.65	*	*	*
2 X IF	309.3	*	*	*
LO	960.7125	*	*	*
IF + LO	1115.3625	*	*	*
2XFund	1612.125	*	*	*
3XFund	2418.1875	*	*	*
4XFund	3224.25	*	*	*
5XFund	4030.3125	*	*	*
6XFund	4836.375	*	*	*
7XFund	5642.4375	*	*	*
8XFund	6448.5	*	*	*
9XFund	7254.5625	*	*	*
10XFund	8060.625	*	*	*



**Transmitter Radiated Spurious Emissions: (Horizontal)
900.98125 MHz**

Spur	Horizontal Frequency (MHz)	Measured Radiated Emission Power with internal Antenna (dBc)		
		QAM_64	QAM_16	QPSK
Fund	900.98125	-15.36	-16.44	-20.09
IF	154.65	*	*	*
2 X IF	309.3	*	*	*
LO	960.7125	*	*	*
IF + LO	1115.3625	*	*	*
2XFund	1612.125	*	*	*
3XFund	2418.1875	-62.49	-62.64	*
4XFund	3224.25	*	*	*
5XFund	4030.3125	*	*	*
6XFund	4836.375	*	*	*
7XFund	5642.4375	*	*	*
8XFund	6448.5	*	*	*
9XFund	7254.5625	*	*	*
10XFund	8060.625	*	*	*

