

RF Exposure Statement

This documents compliance with RF Exposure protection according to Part 1.1307 (b)(1) of the FCC Rules and Regulations and RSS102 of the Industry Canada regulations.

Systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the FCC and IC guidelinse. The device under test is classified as portable.

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Device Under Test: Motorola MT2090. 802.11a/b/g WLAN SDIO Radio Module
FCC ID: H9P2192955; IC: 1549D-2192955

Measurement Result

Test Equipment

Asset #	Manufacturer/Model	Description	Cal. Due
00148	W&G, 2244/90.22	PROBE, E-FIELD TYPE-9	11/24/2009

Measurements were made using a W&G RF Probe. The EUT was set to transmit on the channels with the highest conducted power that was measured. The RF probe was moved around the EUT and the highest readings were recorded. If any position was greater than $1\text{mW}/\text{cm}^2$ then the probe-to-antenna distance was increased until the reading was below $1\text{mW}/\text{cm}^2$. This distance was then recorded.

Measured RF Levels

Test Date: July 23, 2009

The maximum conducted output power is 0.1012 W

Frequency	Mode	Maximum Level (mW/cm^2)	Distance for $1\text{mW}/\text{cm}^2$ (cm)	Location
2.437GHz	6Mb	1.16	1	Below keypad
2.437GHz	6Mb	0.038	0	Side of keypad
5.785GHz	6Mb	0.023	0	Below keypad
5.785GHz	6Mb	0.003	0	Side of keypad

This is a portable device and the maximum peak output power is 20.05 dBm (0.1012 W). This is greater than the low threshold $60/f \text{ GHz} = (0.02462 \text{ mW})$ for distances less than 2.5 cm (general population category). The RF energy is $1 \text{ mW}/\text{cm}^2$ at one cm below the keypad. The measured levels in the above table are **less** than the permissible levels at the

distances the device is normally used (6cm) and hence, Specific Absorption Rate (SAR) measurements are not necessary.