

10 March 2006

American TCB
6731 Whittier Avenue
McLean VA 22101

Declaration of Compliance to RF Exposure Limits for Humans

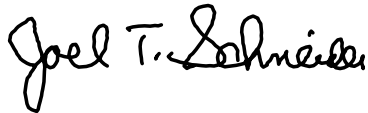
The Digi Wi-EM, Model 50000879-xx complies with the RF exposure limits for humans as called out in 2.1091, mobile >20 cm. The Digi Wi-EM is an 802.11b radio to serial converter module used for wireless communications in computing devices. It is exempt from RF Evaluation based on its operating frequency of 2.4-2.4835 GHz, and output power of 170 milliwatts into 2 dBi gain antenna, or 268 milliwatts EIRP. This would be less than the 3 watt ERP requirement for a mobile device operating at 2.4 GHz. The user's manual stipulates that the antenna be located >20 cm from a user.

$$S = \text{EIRP} / 4 \pi r^2$$

$$S = 268 \text{ mW} / 5026 = .053 \text{ mW/cm}^2$$

Limit for uncontrolled exposure is 1 mW/cm²

1 mW/cm² would be seen at distance of 4.6 cm.



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