

26 August 2009

AmericanTCB
6731 Whittier Avenue
McLean VA 22101
Attn: Director of Certification

RE: Declaration of Compliance to RF Exposure Limits for Humans

Digi 50001520-01, -02

RF Exposure Statement

1. Standard Applicable

According to FCC 1.1307 (b)(1) and IC RSS-102, 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 Commission's guideline.

This is a mobile device operating in 2412-2462 MHz range at 46.8 mW. The output power level in the 5 GHz bands would be 10 times lower than this.

2. Measurement Result:

MPE calculations

$$S = PG / 4\pi r^2$$

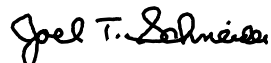
$$S = \text{power density} = .029 \text{ mw/cm}^2$$

$$P = \text{transmitter conducted power in milliwatts} = 46.8$$

$$G = \text{antenna numerical gain} = 3.16$$

$$R = \text{distance to radiation center in centimeters} = 20$$

This is less than general population/uncontrolled exposure guideline of 1 mW/cm².



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