

RF Exposure Compliance

FCC Part 15 C, Section 15.247 (b)(4)

The wireless LAN operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines, 47CFR § 1.1307, § 1.1310, § 2.1093 and Supplement C of OET Bulletin 65.

The product is classified as mobile equipment to operate in a general population/uncontrolled environment and therefore has been evaluated for MPE limit compliance.

The maximum peak output power is 63mW e.i.r.p (18 dBm). The MPE evaluation results show that the limit of 1.0 mW/cm² is met with a minimum separation distance between the body and the antenna section of 4.5 cm (1.8 inches), using equation: $S=2^2EIRP/(4\pi R^2)$. (OET Bulletin 65)

This implies that at a minimum separation distance of 20cm the power density level is well below the maximum level specified by the FCC regulations.

Note that SAR evaluation results show that the limit of 1.6 W/kg is met with a separation distance of less than 2.5 cm (1.0 inch) between the antenna and any person's body (including hands, wrists, feet and ankles).

The user/installation manual will contain the following RF Exposure statements:

RF Exposure statement

CAUTION:

Exposure to Radio Frequency radiation.

"This device complies with the limits regarding the exposure to electromagnetic fields for uncontrolled environments as set by the Federal Communications Commission. Although the RF output power is far below the RF exposure limits the device shall be used during normal operation in such a manner that a separation distance of at least 20cm (8 inches) is maintained between the antenna section and all persons."