FCC ID: F5324PGP9986



Environmental evaluation and exposure limit according to FCC CFR 47part 1, §1.1307, §1.1310

The Wireless Transceiver is classified as a mobile device. The Wireless Transceiver includes transmitter operating according to FCC part 15 subpart C section 15.247 (FHSS)

The FCC limit for power density for general population/uncontrolled exposure is $f/1500 \text{ mW/cm}^2$ for 300 - 1500 MHz frequency range:

P = 912.75/1500 = 0.61 mW/cm²

The power density $P(mW/cm^2) = P_T / 4\pi r^2$

P_T is the transmitted power, which is equal to the peak transmitter output power 13.17 dBm plus maximum antenna gain -1 dBi, the maximum equivalent isotropically radiated power EIRP is

 $P_{T} = 18.0 \text{ dBm} + 0 \text{ dBi} = 18.0 \text{ dBm} = 63.09 \text{ mW}.$

The power density at 20 cm (minimum safe distance, required for mobile devices), calculated as follows:

Compliance with FCC limit: 63.09 mW / 4π (20 cm)² = 0.012 mW/cm² << 0.61 mW/cm²

General public cannot be exposed to dangerous RF level.