RF Exposure Evaluation

FCC ID: 2ADH9-G2CF
IC: 12453A-G2CF

MPE Evaluation

The EUT is a wireless device used in a mobile application, at least 20 cm from any body part of the user or nearby persons.

The maximum Peak EIRP calculated is 13.97 dBm (RF Conducted Power) + (5.9 dBi)(Antenna Gain) = 19.87 dBm or 97.1mW; therefore, to comply with RF Exposure Requirement, the MPE is calculated.

The Power Density can be calculated using the formula

$S = EIRP/ 4\pi D2$

Where: S is Power Density in mW/cm2

D is the distance from the antenna.

It is considered that 20 cm is the minimum distance that user can go closest to the EUT.

At 20 cm, S =0.0193mw/cm2, or 0.193W/m2 which is below the MPE Limit of 10 W/m2