

RF Exposure Statement

Radiation exposure evaluation

The EUT is Wireless Repeater. It is desktop or wall-mounted device used with AC power at least 20 cm from any body part of the user or nearby persons.

The maximum conducted power is 15.0 dBm, antenna is fix-mounted, 5.0 dBi gain (maximum). Therefore, to comply with RF Exposure Requirement, the MPE is calculated.

The maximum Peak EIRP calculated is 100mWatts. The Power Density can be calculated using the formula

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

Where: S is Power Density in mW/cm²
D is the distance from the antenna.

In the table below, the calculated Power Density at 20 cm and MPE Limit for general population/uncontrolled exposure are presented.

Distance, cm	Power Density, mW/cm ²	MPE, mW/cm ²
20	0.02	1.0

As can be seen from the data, the MPE is well below the limit at 20 cm and more.