

# Safety exposure levels

## 1. Standard Applicable:

Device is subject to the radio frequency radiation exposure requirements specified in FCC parts 1.1307 (b), 2.1091 and 2.1093, as appropriate. All equipment shall be considered to operate in a "general population / uncontrolled environment. For portable devices tests according to IEEE 1528 are requested, if applicable.

## 2. Measurement procedure

Consideration of radio frequency radiation exposure for EUT is done as

SAR test according IEEE1528 (for PP), refer to section 2.1	<input type="checkbox"/>
MPE calculation as below (for FP, Repeater), refer to section 2.2	<input checked="" type="checkbox"/>

**2.1 SAR test results:** not applicable

### 2.2 MPE calculation:

The EUT is considered as a mobile device according to OET Bulletin 65, Edition -97-01. Therefore distance to human body of min. 20 cm is determined.

The limit of Power density for General Population / Uncontrolled Exposure is 1.0 mW/cm<sup>2</sup>.

Formula:

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

Calculation:

P	Output Power (dBm)	24.48
G	Antenna Gain (dBi)	-4
EIRP	Equivalent Isotropically Radiated Power(mW)	111.7
R	Distance (cm)	20
S	Power Density (mW/cm <sup>2</sup> )	0.0222

**3. Results : Comply**