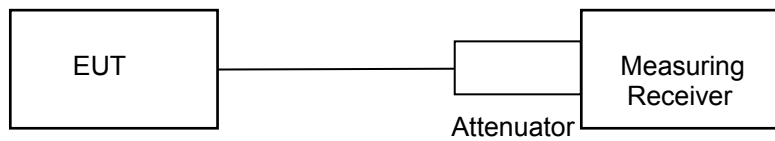


## RADIO FREQUENCY RADIATION EXPOSURE

### MPE calculation:

#### Test setup 1:



#### Formula:

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

S = Power Density (mW/cm<sup>2</sup>)  
 EIRP = Radiated power (mW)  
 R = distance for body (cm)

#### Calculation:

$$S = 4.5\text{mW} / 4\pi 0.6 \text{ mW/cm}^2$$

$$S = 0.994\text{mW/cm}^2$$

#### Notes:

1. The unit will be mounted at least 0.6 cm away from the body.
2. The Conducted carrier power of 10 dBm was the worst case peak level measured.
3. Antenna Gain of -3.83 dBi stated by manufacturer.
4. The EIRP based on antenna gain and conducted output power 10.0mW

#### Limit

The limit of Power density for the General Population/ Uncontrolled Exposure is 1 mW/cm<sup>2</sup>.

#### Result

The EUT meet the 1 mW/cm<sup>2</sup> limit at a distance of 0.6cm.