RADIO FREQUENCY RADIATION EXPOSURE
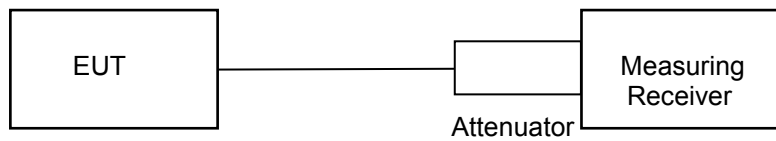
MPE calculation:

Test setup 1:

Formula:

$$S = EIRP / 4\pi R^2$$

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

Calculation:

S　　　=　　　209.89 / 4 π ?R mW/cm^2

S　　　=　　　0.99 mW/cm^2

Notes:
1. The unit will be mounted at least 4.1 cm away from the body.
2. The peak conducted carrier power of 18.82dBm was the highest measured.
3. Antenna Gain of 4.4 dBi stated by manufacturer.
4. The carrier power EIRP of 23.22dBm (209.89mW) was the worst case peak level calculated.

Limit

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

Result

The EUT meet the 1 mW/cm^2 limit at a distance of 4.1cm