RADIO FREQUENCY RADIATION EXPOSURE

MPE calculation:

Test setup 1:

```
┌─────────────┐                    ┌──────────────┐
│             │                 ┌──┤  Measuring   │
│     EUT     ├─────────────────┤  │   Receiver   │
│             │                 └──┤              │
└─────────────┘              Attenuator └──────────┘
```
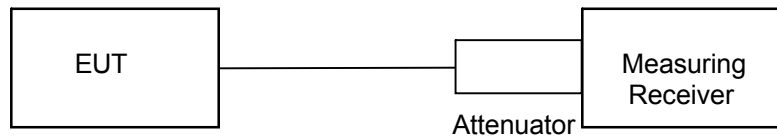
Formula:

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

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

Calculation:

$$S = 21.47 / 4\pi 1.31 \ (mW/cm^2)$$

$$\mathbf{S = 0.9956 \ mW/cm^2}$$

Notes:
1. The unit will be mounted at least 1.31cm away from the body.
2. The conducted carrier power 13.55mW (11.32dBm) was the highest level measured.
3. Antenna Gain of 2dBi stated by manufacturer.
4. The carrier power EIRP of 21.47mW (13.32 dBm) based on the power antenna gain

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 1.31 cm or greater.