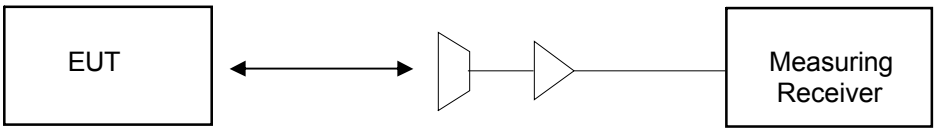
RADIO FREQUENCY RADIATION EXPOSURE

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)

For EIRP see TRaC Global Test report TES_003840WUS1

Calculation:

$$S = 0.953 / 4 \pi 0.28 \text{ mW/cm}^2$$

$$\mathbf{S = 0.967 \text{ mW/cm}^2}$$

Notes:

1. The unit will be mounted at least 0.28cm away from the body.
2. The carrier power EIRP of 0.953mW was the worst case peak level measured.

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.