

Maximum Permissible Exposure

Calculation Method:

$$S = \frac{PG}{4\pi R^2} \quad 3)$$

where: S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

EUT Output Power = 26.32 dBm

Antenna Gain = 2 dBi

S = 1.0 mW/cm²

Substituting these parameters into the above equation 1:

The R is 7.35 cm

Therefore the safety distance is > 7.35 cm