

RF Exposure MPE Exhibit

Equation from page 18 of OET Bulletin 65, Edition 97-01

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

Prediction of Maximum Permissible Exposure

Equation from page 18 of OET Bulletin 65, Edition 97-01

where: S = power density

P = power input to the antenna

G = directional power gain of the antenna relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Max. peak output power at antenna terminal(dBm): **1.76**

Max. peak output power at antenna terminal(mW): **1.50**

Antenna gain for prediction(dBi): **4.4**

Antenna gain (numerical):**2.75**

Duty Cycle(%): **100**

Prediction distance(cm): **20**

Prediction frequency(MHz): **2400-2480**

Limit for uncontrolled exposure(mW/cm²): **1.000**

S(mw/cm²) = : 0.000822 mW/cm²

P (power input to the antenna)dBm	1.76
P (power input to the antenna)mW	1.50
G (directional power gain)dBi	4.40
G (directional power gain) Numerical	2.75
R (Distance)cm	20

Fill only red cells

S (power density)mW/cm ²	0.000822
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