# 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): **3.61**
Max. peak output power at antenna terminal(mW): **2.30**
Antenna gain for prediction(dBi): **2**
Antenna gain (numerical):**1.58**
Duty Cycle(%): **100**
Prediction distance(cm): **20**
Prediction frequency(MHz): **2400-2480**
Limit for uncontrolled exposure(mW/cm $^2$): **1.000**
**S(mw/cm$^2$) = : 0.000724 mW/cm$^2$**

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