

## 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): **3.75**

Max. peak output power at antenna terminal(mW): **2.37**

Antenna gain for prediction(dBi): **5**

Antenna gain (numerical): **3.16**

Duty Cycle(%): **100**

Prediction distance(cm): **20**

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

Limit for uncontrolled exposure(mW/cm<sup>2</sup>): **1.000**

**S(mw/cm<sup>2</sup>) = : 0.001492 mW/cm<sup>2</sup>**