



**Prediction of MPE limit at a given distance**

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

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

where: S = power density  
P = power input to the antenna  
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

Maximum peak output power at antenna input terminal: 33.50 (dBm)

Maximum peak output power at antenna input terminal: 2238.721 (mW)

Antenna gain(typical): 6 (dBi)

Maximum antenna gain: 3.981072 (numeric)

Prediction distance: 200 (cm)

Prediction frequency: 915 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 0.6 (mW/cm<sup>2</sup>)

Power density at prediction frequency: 0.017731 (mW/cm<sup>2</sup>)