

## Prediction of MPE Limit

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Equation from page 18

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

**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

Choose



Occupational/Controlled



General Population/Uncontrolled

Tx Frequency:  (MHz)

Maximum Peak Power at Antenna Input Terminal:  (dBm)

Antenna gain :  (dBi)

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

**P**=  (mW)

**G**=  (numeric)

**R** =  (cm)

**S (mw/cm<sup>2</sup>) at  
specific distance  
in cm**

0.214648483

Enter distance desired in cm
<input type="text" value="20"/>