

## Prediction of MPE Limit

OET Bulletin 65, Edition 97-01

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

ENTER  
↓

Tx Frequency: 2400.00 (MHz)  
Maximum Peak Power at Antenna Input Terminal: 14.200 (dBm)  
Antenna gain : 0.00 (dBi)

S= 1.0000 (mW/cm<sup>2</sup>)  
P= 26.3027 (mW)  
G= 1.00 (numeric)

R = 1.45 (cm)

S (mw/cm<sup>2</sup>)  
at 20cm

0.005227083