Prediction of MPE Limit

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Equation from page 18

$$S = PG$$

S= power density

2

P= power input to the antenna

G= power gain of the antenna in the direction of interest relative to an isotropic radiator

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

R= distance to the center of radiation of the antenna



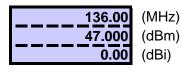
Occupational/Controlled

General Population/Uncontrolled

Tx Frequency:

Maximum Peak Power at Antenna Input Terminal:

Antenna gain:



 S=
 1.0000
 (mW/cm^2)

 P=
 50118.7234
 (mW)

 G=
 1.0000
 (numeric)

R = 63.1532 (cm)

S (mw/cm^2) at specific distance in cm

9.960000668

Enter distance desired in cm

20