

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

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/cm²)
P= 26.3027 (mW)
G= 1.00 (numeric)

R = 1.45 (cm)

S (mw/cm²)
at 20cm

0.005227083