

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: 928.00 (MHz)
Maximum Peak Power at Antenna Input Terminal: 24.50 (dBm)
Antenna gain: 6.00 (dBi)

S= 0.62 (mW/cm²)
P= 281.8383 (mW)
G= 3.98 (numeric)

R = 12.01 (cm)

enter power in mW	Calculated Power in dBm
68.249	18.34

S (mw/cm²)
at 20cm

0.22297664