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:	**2400.00**	(MHz)
Maximum Peak Power at Antenna Input Terminal:	**16.021**	(dBm)
Antenna gain :	**2.00**	(dBi)

S=	**1.0000**	(mW/cm^2)
P=	**40.0000**	(mW)
G=	**1.5849**	(numeric)

R = 2.2461 (cm)

S (mw/cm^2) at specific distance in cm	Enter distance desired in cm
0.012598515	20