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

ENTER

○ Occupational/Controlled
◉ General Population/Uncontrolled

Tx Frequency:	2400.00	(MHz)
Maximum Peak Power at Antenna Input Terminal:	15.170	(dBm)
Antenna gain :	2.00	(dBi)

S=	1.0000	(mW/cm^2)
P=	32.8852	(mW)
G=	1.58	(numeric)

R =   2.04   (cm)

**S (mw/cm^2)
at 20cm**

0.010357606