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:		**136.00**	(MHz)
Maximum Peak Power at Antenna Input Terminal:		**26.200**	(dBm)
Antenna gain :		**4.50**	(dBi)

S=	**0.2000**	(mW/cm^2)
P=	**416.869**	(mW)
G=	**2.82**	(numeric)

R = 21.62 (cm)

S (mw/cm^2) at 20cm

0.233485206