Prediction of MPE Limit

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Equation from page 18

$$S = \frac{PG}{4\pi R^2}$$

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

$$R = \sqrt{\frac{PG}{4\pi S}}$$

Choose

Occupational/Controlled ○

General Population/Uncontrolled ◉

Tx Frequency:	**136.00**	(MHz)
Maximum Peak Power at Antenna Input Terminal:	**33.324**	(dBm)
Antenna gain :	**4.50**	(dBi)

S=	**0.2000**	(mW/cm^2)
P=	**2150.0000**	(mW)
G=	**2.8184**	(numeric)

R = 49.1020 (cm)

S (mw/cm^2) at specific distance in cm	Enter distance desired in cm
1.204197795	20