

Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

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

where: 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

Maximum peak output power at antenna input terminal:	28.83 (dBm)
Maximum peak output power at antenna input terminal:	763.8357836 (mW)
Antenna gain(typical):	4 (dBi)
Maximum antenna gain:	2.511886432 (numeric)
Prediction distance:	<u> </u>
Prediction frequency:	<u>1851.25</u> (MHz)
MPE limit for uncontrolled exposure at prediction frequency:	<u>1</u> (mW/cm^2)
Power density at prediction frequency:	0.169648 (mW/cm^2)
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Maximum allowable antenna gain:	11.70452373 (dBi)
Margin of Compliance:	7.704523735