



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 isotropic

R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	<u>39.10</u>	(dBm)	EIRP
Maximum peak output power at antenna input terminal:	<u>8128.3052</u>	(mW)	
Antenna gain(typical):	<u>0</u>	(dBi)	
Maximum antenna gain:	<u>1.000</u>	(numeric)	
Prediction distance:	<u>100</u>	(cm)	
Source Based Time Average Duty Cycle:	<u>100</u>	(%)	
Prediction frequency:	<u>450</u>	(MHz)	
MPE limit for uncontrolled exposure at prediction frequency:	<u>0.300</u>	(mW/cm ²)	
Power density at prediction frequency:	<u>0.065</u>	(mW/cm ²)	
Power density at prediction frequency:	<u>0.647</u>	(W/m ²)	
Margin of Compliance:	<u>6.66</u>	(dB)	