



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:	<u>36.0</u> (dBm)	*
Maximum peak output power at antenna input terminal:	<u>3981</u> (mW)	
Antenna gain(maximum):	<u>5.15</u> (dBi)	*
Maximum antenna gain:	<u>3.27</u> (numeric)	
Time Averaging:	<u>100</u> (%)	*
Prediction distance:	<u>200</u> (cm)	*
Prediction frequency:	<u>150</u> (MHz)	*
MPE limit for uncontrolled exposure at prediction frequency:	<u>0.200</u> (mW/cm ²)	
Power density at prediction frequency:	0.026 (mW/cm ²)	
This equates to:	0.26 W/m ²	