



### 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:	32.80	(dBm)	EIRP
Maximum peak output power at antenna input terminal:	1905	(mW)	
Antenna gain(typical):	0	(dBi)	N/A
Maximum antenna gain:	1.000	(numeric)	
Prediction distance:	20	(cm)	
Source Based Time Average Duty Cycle:	100	(%)	
Prediction frequency:	824	(MHz)	
MPE limit for uncontrolled exposure at prediction frequency:	0.549	(mW/cm^2)	
Power density at prediction frequency:	0.3791	(mW/cm^2)	
Margin of Compliance:	1.6		