

**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 the antenna terminal:	26,27	(dBm)
Maximum peak output power at the antenna terminal:	423,642966	(mW)
Antenna gain(typical):	1,4	(dBi)
Maximum antenna gain:	1,380384265	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	2437	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0,116340	(mW/cm^2)
Maximum allowable antenna gain:	10,74269855	(dBi)