

**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:	10,27 (dBm)
Maximum peak output power at the antenna terminal:	10,64143018 (mW)
Antenna gain(typical):	0 (dBi)
Maximum antenna gain:	1 (numeric)
Prediction distance:	20 (cm)
Prediction frequency:	915 (MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1 (mW/cm <sup>2</sup> )
<b>Power density</b> at prediction frequency:	0,002117 (mW/cm <sup>2</sup> )
Maximum allowable antenna gain:	26,74269855 (dBi)