

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:	9,92 (dBm)
Maximum peak output power at the antenna terminal:	9,81747943 (mW)
Antenna gain(typical):	0 (dBi)
Maximum antenna gain:	1 (numeric)
Prediction distance:	20 (cm)
Prediction frequency:	914,8 (MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1 (mW/cm ²)
Power density at prediction frequency:	0,001953 (mW/cm²)
Maximum allowable antenna gain:	27,09269855 (dBi)