FCC ID: 2AAMXSCDMET1002

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:	19.26 (dBm)
Maximum peak output power at the antenna terminal:	84.33347578 (mW)
Antenna gain(typical):	4.55 (dBi)
Maximum antenna gain:	2.851018268 (numeric)
Prediction distance:	20 (cm)
Prediction frequency:	902.7 (MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.6018 (mW/cm^2)
Power density at prediction frequency:	0.047833 (mW/cm^2)
Maximum allowable antenna gain:	15.54722039 (dBi)