

Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4pR^2}$$

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:	33.00	(dBm)
Maximum peak output power at antenna input terminal:	1995.262	(mW)
Antenna gain(typical):	0	(dBi)
Maximum antenna gain:	1	(numeric)
Prediction distance:	200	(cm)
Prediction frequency:	896	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.533	(mW/cm^2)
Power density at prediction frequency:	0.004	(mW/cm^2)
Maximum allowable antenna gain:	21.3	(dBi)

This equipment is designed for use with antennas mounted on permanent outdoor structures. The separation distance from the antenna to any nearby person will always be more than 2 meters.