FCC ID: 2AECKWL-C15005

Prediction of MPE Limit for a Specified Distance

Reference: OET Bulletin 65, Edition 97-01

The power density formula is as follows:

$$S = \frac{PG}{4\pi R^2}$$

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

Table 1 - MPE Calculation for OET Bulletin 65 Compliance

Maximum peak output power at antenna terminal:	0.00	(dBm)
Maximum peak output power at antenna terminal:	1.00	(mW)
Antenna Gain (typical):	3.00	(dBi)
Maximum Antenna Gain:	2.00	(numeric)
Prediction Distance:	20.00	(cm)
Prediction Frequency:	2476.00	(MHz)
MPE Limit for Uncontrolled Exposure at Prediction Frequency:	1.00	(mW/cm ²)
Power Density at the Prediction Frequency:	0.0004	(mW/cm ²)
Maximum Allowable Antenna Gain:	37.01	(dBi)
Margin of Compliance at 20 cm:	34.01	(dB)