FCC ID: K4U-ZIM-B
IC: 2146A-ZIM-B

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

Maximum peak output power at antenna terminal:	20.53	(dBm)
Maximum peak output power at antenna terminal:	112.98	(mW)
Antenna Gain (typical):	-1.00	(dBi)
Maximum Antenna Gain:	0.79	(numeric)
Prediction Distance:	20.00	(cm)
Prediction Frequency:	2400.00	(MHz)
MPE Limit for Uncontrolled Exposure at Prediction Frequency:	1.00	(mW/cm^2)
Power Density at the Prediction Frequency:	0.02	(mW/cm^2)
Maximum Allowable Antenna Gain:	16.48	(dBi)
Margin of Compliance at 20 cm:	17.48	(dB)