Nemko

ONE WORLD ○ OUR A

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 device output terminal:	49.16	dBm
Cable and Jumper loss:	0.0	dB
Maximum peak output power at antenna input terminal:	49.16	dBm
	82413.8115	mW
Single Antenna gain (typical):	0	dBi
Number of Antennae:	1	
Total Antenna gain (typical):	0	dBi
	1	(numeric)
Prediction distance:	40	cm
Prediction frequency:	34700	MHz
MPE limit for Occupational exposure at prediction frequency:	5	mW/cm^2

Power density at prediction frequency: **4.098927** **mW/cm^2**

Margin of Compliance: **0.86299851** **dB**

.PPROVAL