Prediction of MPE limit at a given distance

Nemko

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 isotropic
          R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	**10.80**	(dBm)
Maximum peak output power at antenna input terminal:	12	(mW)
Isotropic antenna gain(typical):	**5.5**	(dBi)
Isotropic antenna gain(numeric):	3.548	(numeric)
Prediction distance:	**20**	(cm)
Source Based Time Average Duty Cycle:	**100**	(%)
Prediction frequency:	902	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.601	(mW/cm^2)
Power density at prediction frequency:	0.0085	(mW/cm^2)
Power density at prediction frequency:	0.0849	W/m^2
Margin of Compliance:	18.5	dB