Prediction of MPE limit at a given distance

Verint Nextiva S1100

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 antenna input terminal:	19.68	(dBm)
Maximum peak output power at antenna input terminal:	92.89663868	(mW)
Antenna gain(typical):	16	(dBi)
Maximum antenna gain:	39.81071706	(numeric)
Prediction distance:	30	(cm)
Prediction frequency:	2437	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0.327000	(mW/cm^2)
	3.269999	(W/m^2)
Maximum allowable antenna gain:	20.85452373	(dBi)
Margin of Compliance:	4.854523735	dB