Prediction of MPE limit at a given distance
8dBi Directional Antenna
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:	23.40	(dBm)
Maximum peak output power at antenna input terminal:	218.7761624	(mW)
Antenna gain(typical):	8	(dBi)
Maximum antenna gain:	6.309573445	(numeric)
Prediction distance:	25	(cm)
Prediction frequency:	2400	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0.175756	(mW/cm^2)
Maximum allowable antenna gain:	15.55089881	(dBi)
Margin of Compliance:	7.550898814	