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

Maximum peak output power at antenna input terminal:	**14.80**	(dBm)
Maximum peak output power at antenna input terminal:	30	(mW)
Antenna gain(typical):	**7**	(dBi)
Maximum antenna gain:	5.012	(numeric)
Prediction distance:	**20**	(cm)
Sourse Based Time Average Duty Cycle:	**100**	(%)
Prediction frequency:	903	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.602	(mW/cm^2)
Power density at prediction frequency:	0.0301	(mW/cm^2)
	0.3011	(W/m^2)
Margin of Compliance:	13.0	