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

Maximum peak output power at antenna input terminal:	29.81	(dBm)
Maximum peak output power at antenna input terminal:	957	(mW)
Antenna gain(typical):	9	(dBi)
Maximum antenna gain:	7.94	(numeric)
Prediction distance:	25	(cm)
Sourse Based Time Average Duty Cycle:	100	(%)
Prediction frequency:	2400	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.0	(mW/cm^2)
Power density at prediction frequency:	0.968	(mW/cm^2)
Power density at prediction frequency:	9.68	(W/m^2)
Margin of Compliance:	0.14	(dB)