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

Maximum peak output power at antenna input terminal:	21.00	(dBm)	* (36dBm-15dB loss)
Maximum peak output power at antenna input terminal:	125.8925412	(mW)	
Antenna gain(typical):	17.1	(dBi)	*(15dB +2.1=17.1dBi)
Maximum antenna gain:	51.2861384	(numeric)	
Prediction distance:	35	(cm)	
Prediction frequency:	915.75	(MHz)	
MPE limit for uncontrolled exposure at prediction frequency:	0.6105	(mW/cm^2)	
Power density at prediction frequency:	0.419425	(mW/cm^2)	
Maximum allowable antenna gain:	18.73031621	(dBi)	
Margin of Compliance:	1.63031621		

Note: