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

Maximum peak output power at antenna input terminal:	25.3	(dBm)	*
Maximum peak output power at antenna input terminal:	335.7	(mW)	
Antenna gain(maximum):	6	(dBi)	*
Maximum antenna gain:	3.98	(numeric)	
Time Averaging:	100	(%)	*
Prediction distance:	20	(cm)	*
Prediction frequency:	914.75	(MHz)	*
FCC MPE limit for uncontrolled exposure at prediction frequency:	0.610	(mW/cm^2)	
IC MPE limit for uncontrolled exposure at prediction frequency:	8.76	(W/m^2)	
Power density at prediction frequency:	0.266	(mW/cm^2)	
This equates to:	2.66	(W/m^2)	