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 device output terminal:	26.26	(dBm)
Cable and Jumper loss	0.0	(dB)
Maximum peak output power at antenna input terminal:	26.26	(dBm)
Maximum peak output power at antenna input terminal:	422.6686143	(mW)
Single Antenna gain(typical):	-1.28	(dBi)
Number of Antennae	1	
Total Antenna gain(typical):	-1.28	(dBi)
Maximum antenna gain:	0.744731974	(numeric)
Prediction distance:	100	(cm)
Prediction frequency:	851	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.567333333	(mW/cm^2)

Power density at prediction frequency:	0.002505	(mW/cm^2)
	0.025049	(W/m^2)
Maximum allowable antenna gain:	22.27048165	(dBi)

Margin of Compliance: 23.55048165 dB