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:	20.99 (dBm)
Cable and Jumper loss	0.0 (dB)
Maximum peak output power at antenna input terminal:	<u>20.99</u> (dBm)
Maximum peak output power at antenna input terminal:	125.6029964 (mW)
Single Antenna gain(typical):	<u> </u>
Number of Antennae	<u> </u>
Total Antenna gain(typical):	<u> </u>
Maximum antenna gain: _	
Prediction distance:	<u> 20 </u> (cm)
Prediction frequency: _	<u> </u>
MPE limit for uncontrolled exposure at prediction frequency: _	1 (mW/cm^2)
Power density at prediction frequency:	0.790187 (mW/cm^2)
	7.901875 (W/m^2)
Tx On time:	100.000000
Tx period time:	100.000000
Average Factor:	100.000000
Average Power density at prediction frequency:	7.901875 (W/m^2)
Maximum allowable antenna gain:	16.02269855 (dBi)
Margin of Compliance:	1.022698554 dB