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:	**26.86**	(dBm)
Maximum peak output power at antenna input terminal:	**485.3**	(mW)
Antenna gain(typical):	**0**	(dBi)
Maximum antenna gain:	**1.000**	(numeric)
Prediction distance:	**20**	(cm)
Sourse Based Time Average Duty Cycle:	**100**	(%)
Prediction frequency:	**1880**	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	**1.000**	(mW/cm^2)
Power density at prediction frequency:	**0.09655**	(mW/cm^2)
Power density at prediction frequency:	**0.9655**	(W/m^2)
Margin of Compliance:	**10.15**	(dB)

Simultaneously transmission with WiFi: 0.09655+ 0.02665 = 0.1232 < 1