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:	29.80	(dBm)
Maximum peak output power at antenna input terminal:	954.992586	(mW)
Antenna gain(typical):	10	(dBi)
Maximum antenna gain:	10	(numeric)
Time Averaging:	100	(%)
Prediction distance:	20	(cm)
Prediction frequency:	927.6	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.60	(mW/cm^2)
Power density at prediction frequency:	1.899897	(mW/cm^2)
	18.99897384	W/m^2
Margin of compliance:	5.0	(dB)

Power will need to be attenuated either internally or externally to comply with EIRP limit of 36 dBm (4 Watts) when using antennas 2, 3 or 4. The device is professionally installed.