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:	43.00	(dBm)
Maximum peak output power at antenna input terminal:	19952.62315	(mW)
Antenna gain(maximum):	14	(dBi)
Maximum antenna gain:	25.11886432	(numeric)
Time Averaging:	100	(%)
Prediction distance:	200	(cm)
Prediction frequency:	1930	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.000	(mW/cm^2)
Power density at prediction frequency:	0.997080	(mW/cm^2)
Margin of compliance:	0.0	(dB)
This equates to:	9.970803206	W/m^2

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$$S = \frac{PG}{4\pi R^2}$$

where: S = power density
P = power input to the antenna
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R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	43.00	(dBm)
Maximum peak output power at antenna input terminal:	19952.62315	(mW)
Antenna gain(maximum):	14	(dBi)
Maximum antenna gain:	25.11886432	(numeric)
Time Averaging:	100	(%)
Prediction distance:	200	(cm)
Prediction frequency:	2110	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.000	(mW/cm^2)
Power density at prediction frequency:	0.997080	(mW/cm^2)
Margin of compliance:	0.0	(dB)
This equates to:	9.970803206	W/m^2

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:	43.00	(dBm)
Maximum peak output power at antenna input terminal:	19952.62315	(mW)
Antenna gain(maximum):	11	(dBi)
Maximum antenna gain:	12.58925412	(numeric)
Time Averaging:	100	(%)
Prediction distance:	200	(cm)
Prediction frequency:	851	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.567	(mW/cm^2)
Power density at prediction frequency:	0.499724	(mW/cm^2)
Margin of compliance:	-0.6	(dB)
This equates to:	4.997239276	W/m^2