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 iso
R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	32.00	(dBm)
Maximum peak output power at antenna input terminal:	1584.893192	(mW)
Antenna gain(typical):	2	(dBi)
Maximum antenna gain:	1.584893192	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	900	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.6	(mW/cm^
Power density at prediction frequency:	0.499724	(mW/cm^
Margin of compliance:	-0.8	(dB)

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 iso
R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	32.00	(dBm)
Maximum peak output power at antenna input terminal:	1584.893192	(mW)
Antenna gain(typical):	11	(dBi)
Maximum antenna gain:	12.58925412	(numeric)
Prediction distance:	100	(cm)
Prediction frequency:	900	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.6	(mW/cm^
Power density at prediction frequency:	0.158778	(mW/cm^
Margin of compliance:	-5.8	(dB)

ıtropic radiator

)

`2)

`2)

tropic radiator

)

`2)

`2)