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

30.58	(dBm)
1142.9	(mW)
2.15	(dBi)
1.641	(numeric)
20	(cm)
100	(%)
836.6	(MHz)
0.558	(mW/cm^2)
0.37302	(mW/cm^2)
3.7302	(W/m^2)
1.75	(dB)
	1142.9 2.15 1.641 20 100 836.6 0.558 0.37302 3.7302