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

	Pt. 15	Pt. 90	
Maximum peak output power at antenna input terminal:	-27.30	33.18	(dBm)
Maximum peak output power at antenna input terminal:	0.001862	2079.6967	(mW)
Antenna gain(typical):	-20	5.2	(dBi)
Maximum antenna gain:	0.01	3.3113112	(numeric)
Prediction distance:	60	60	(cm)
Prediction frequency:	927.25	151.25	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	0.6	0.2	(mW/cm^2)

Power density at prediction frequency: 1.48E-10   0.15223 (mW/cm^2)

Multiple transmitter Calculation: (Sum of all fractional Contributions)

0.00000   +   0.15223   <1.0