



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

Maximum peak output power at antenna input terminal:	32.20 dBm
Maximum peak output power at antenna input terminal:	1659.6 mW
Antenna gain(maximum):	17 dBi
Maximum E.I.R.P.:	49.20 dBm
Maximum E.I.R.P.:	83.18 W
Maximum antenna gain:	50.1 numeric
Time Averaging:	100 %
Prediction distance:	110 cm
Prediction frequency:	3690 MHz
FCC MPE limit for uncontrolled exposure at prediction frequency:	1.0 mW/cm ²
Power density at prediction frequency:	0.5 mW/cm ²