



Prediction of Maximum Permissible Exposure

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 = directional power gain of the antenna relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Max. peak output power at antenna terminal(dBm):	<u>4.00</u>
Max. peak output power at antenna terminal(W):	<u>0.003</u>
Antenna gain for prediction(dBi):	<u>0</u>
Maximum antenna gain(numeric):	<u>1</u>
Duty Cycle(%):	<u>100</u>
Prediction distance(cm):	<u>20</u>
Prediction frequency(MHz):	<u>2480</u>
Limit for uncontrolled exposure(mw/cm ²):	<u>1.000</u>

S(mw/cm²) = : **0.000005**