



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>28.93</u>
Max. peak output power at antenna terminal(mW):	<u>781.628</u>
Antenna gain for prediction(dBi):	<u>7</u>
Maximum antenna gain(numeric):	<u>5.0118723</u>
Duty Cycle(%):	<u>100</u>
Prediction distance(cm):	<u>23</u>
Prediction frequency(MHz):	<u>928</u>
Limit for uncontrolled exposure(mw/cm ²):	<u>0.619</u>

S(mw/cm²) = : **0.589**