RF Exposure MPE Exhibit

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4 \Pi R^2}$$

Prediction of Maximum Permissible Exposure

Equation from page 18 of OET Bulletin 65, Edition 97-01
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): 18.77
Max. peak output power at antenna terminal(mW): 75.34
Antenna gain for prediction(dBi): -0.60
Antenna gain (numerical): 0.87
Duty Cycle(%): 100
Prediction distance(cm): 20
Prediction frequency(MHz): 2400-2480
Limit for uncontrolled exposure (mW/cm²): 1.000
S (mw/cm²) = 0.013054 mW/cm²