



MPE Calculation for FCC Controlled Environment

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

Maximum RMS Radiated Power, EIRP:	<u>52.5</u>	(dBm)
Maximum RMS Radiated Power, EIRP:	<u>179.5</u>	(W)
Prediction distance:	<u>100</u>	(cm)
Prediction frequency:	<u>5800</u>	(MHz)
Maximum Time Averaged Duty Cycle	<u>100</u>	%
MPE limit for uncontrolled exposure at prediction frequency:	<u>50.00</u>	(W/m ²)
Power density at prediction frequency:	<u>14.28</u>	(W/m ²)
Margin of Compliance:	<u>5.4</u>	(dB)