



**LCIE SUD EST**  
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**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 an isotropic radiator  
R = distance to the center of radiation of the antenna

Prediction Frequency MHz	Conducted Output Power dBm	Max Antenna Gain dBi	Distance cm	Power Density mW/cm <sup>2</sup>	Limit mW/cm <sup>2</sup>
2402	-3.0	-1.3	20	0.0001	1.00
2441	-1.9	-1.3	20	0.0001	1.00
2480	-1.2	-1.3	20	0.0001	1.00

*Conclusion: Therefore our device complies with FCC's RF radiation exposure limits for general population without SAR evaluation with at least 20cm separation from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.*