



**LCIE SUD EST**  
Laboratoire de Moirans  
Z.I. Centr'Alp  
170, Rue de Chatagnon  
38430 MOIRANS - FRANCE

FCCID: **2AH7L-MEM158X**

### 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>
2405	2.76	4.4	20	0.0010	1.00
2440	2.48	4.4	20	0.0010	1.00
2480	2.05	4.4	20	0.0009	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.