

<u>MPE Calculation</u>	
Company Name	California Eastern Laboratories, Inc.
Model #	ZICM357P2-1
FCC ID #	W7Z-ZICM357P2
IC #	8254A-ZICM3571

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

Maximum peak output power at antenna input terminal:	18.35 (dBm)
Maximum peak output power at antenna input terminal:	68.391 (mW)
Antenna gain(typical):	-2.23 (dBi)
Maximum antenna gain:	0.598 (numeric)
Prediction distance:	20 (cm)
Prediction frequency:	2440 (MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1 (mW/cm ²)
Power density at prediction frequency:	0.008142 (mW/cm ²)
Maximum allowable antenna gain:	18.7 (dBi)
Margin of Compliance at 20 cm =	20.9 dB