

<u>MPE Calculation</u>	
Company Name	LS Research, LLC
Model #	ProFLEX02
FCC ID #	TFB-PROFLEX2
IC #	5969A-PROFLEX2

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:	23.21	(dBm)
Maximum peak output power at antenna input terminal:	209.411	(mW)
Antenna gain(typical):	2	(dBi)
Maximum antenna gain:	1.585	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	2400	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm ²)
Power density at prediction frequency:	0.066028	(mW/cm ²)
Maximum allowable antenna gain:	13.8	(dBi)
Margin of Compliance at 20 cm =	11.8	dB