MPE Calculation	
Company Name	LS Research
Model #	ProFLEX02
FCC ID #	TFB-PROFLEX2
IC #	5969A-PROFLEX2

The following MPE calculations are based on a Nearson Dipole antenna, with a measured ERP of 123.3 dBµV/m, at 3 meters, and conducted RF power of +25.27 dBm as presented to the antenna. The measured gain of this antenna, based on the ERP measurements is 2.8 dB as measured over a conducting ground plane.

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:	25.27	(dBm)
Maximum peak output power at antenna input terminal:	336.512	(mW)
Antenna gain(typical):	2.8	(dBi)
Maximum antenna gain:	1.905	(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:	0.127565	(mW/cm^2)
Maximum allowable antenna gain:	11.7	(dBi)
Margin of Compliance at 20 cm =	8.9	dB