## **EXHIBIT 14.** MPE CALCULATIONS

The following MPE calculations are based on a 1.8 centimeter inverted-F printed circuit board trace antenna, with a measured ERP of 119.65 dB $\mu$ V/m, at 3 meters, and conducted RF power of +19.95 dBm as presented to the antenna. The calculated gain of the inverted F antenna, based on the ERP measurements is 4.83 dBi.

## 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: 19.95 (dBm)

Maximum peak output power at antenna input terminal: 98.855 (mW)

Antenna gain(typical): 4.83 (dBi)

Maximum antenna gain: 3.041 (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: 0.059804 (mW/cm^2)

Maximum allowable antenna gain: 17.1 (dBi)

Margin of Compliance at 20 cm = 12.2 dB

Prepared For: L.S. Research, LLC.	Model #:PFLX01-A01	LS Research, LLC
EUT: Pro-FLEX	Serial #: 2, 4, 5, 65, 66	
Report #: 309166		Page 67 of 73