MPE Calculation	
Company Name	LS Research, LLC
Model #	TiWi-BLECA
FCC ID #	TFB-BLECA
IC #	5969A-BLECA

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: _____19.42 (dBm)
Maximum peak output power at antenna input terminal: _____87.498 (mW)
Antenna gain(typical): _____1.3 (dBi)
Maximum antenna gain: _____1.349 (numeric)
Prediction distance: _____20 (cm)
Prediction frequency: _____2437 (MHz)
MPE limit for uncontrolled exposure at prediction frequency: _____1 (mW/cm^2)

Power density at prediction frequency: 0.023482 (mW/cm^2)

Maximum allowable antenna gain: 17.6 (dBi)

Margin of Compliance at   20   cm =   16.3 dB