Maximum Permissible Exposure (MPE) Requirement

Applicant: iToVi LLC   Job Number / NEX #298117
Model No.: iTOVi Tracker

This document was prepared in by Nemko-CCL on behalf of the applicant using data collected during testing and information provided by the applicant. The maximum power density requirements for the General Public (Uncontrolled Environment) listed in FCC Part 1.1310 were used. The power density is calculated using the following equation.

$$P_d = \frac{P_t\, G^{*}\,\text{-}}{4\pi r^2}$$

P_d = power density in watts
P_t = transmit power in milliwatts
G = numeric antenna gain
r = distance between body and transmitter in centimeters
∗ $P_t\, G$ = EIRP

The calculated power density of the EUT listed in this application is calculated below. The antenna gain of 0.5 dBi was converted to a numeric gain of 1.12.

Max Transmit Power EIRP (mW):	0.212		
Operating Frequency (MHz):	2480		
Min Operating Distance (cm):	20	Duty Cycle (%):	100
Power Density (mW/cm^2):		4.73 E -5	
Limit (mW/cm^2):		1.00	

The EUT complies with the limit as shown above.