

MPE CALCULATION

For Changsha SunSky Electronic Design&Development Co.,Ltd.;

Model: EA2000T

FCC ID: WSVSUNVOTEBASE2X

RF Exposure Requirements:	47CFR§1.1307(b)
RF Radiation Exposure Limits:	47CFR§1.1310
RF Radiation Exposure Guidelines:	47CFR§2.1091
EUT Frequency Band:	2404 – 2466MHz
Limits for General Population/Uncontrolled Exposure in the band of:	1500 – 100000MHz
Power Density Limit:	1.0mW/cm ² ;

Equation: $S=PG/4\pi R^2$

Where, S=Power Density

P=Power Input to Antenna

G=Antenna Gain

R=distance to the center of radiated antenna

High Channel (2466MHz):

Power=8.17dBm, Antenna Gain=5.3dBi, Prediction distance 20cm

$$S=(6.56*3.39)/(4*3.14*20^2)=0.0044 \text{ mW/cm}^2$$

Result

The above result had shown that device complied with 1.0mW/cm² Power density requirement for distance of 20 cm.

Completed By: Peter Cai

Date: 18 October, 2010