

## 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 <sup>2</sup> ;

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

### Result

The above result had shown that device complied with 1.0mW/cm<sup>2</sup> Power density requirement for distance of 20 cm.

Completed By: Peter Cai

Data: 18 October, 2010