



## STC Test Report

### **MPE Calculation FCC ID: ZIET10**

RF Exposure Requirements:	47CFR§1.1307(b)
RF Radiation Exposure Limits:	47CFR§1.1310
RF Radiation Exposure Guidelines:	47CFR§2.1091
EUT Frequency Band:	2412 – 2462MHz
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

Low Channel (2412MHz):  
Power=8.38mW, Antenna Gain=0.5dBi, Prediction distance 20cm  
 $S = (8.38 * 1.122) / (4 * 3.14 * 20^2) = 0.00187 \text{ mW/cm}^2$

#### 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: Kiki  
Data: 2011-11-8