



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 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

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/cm² Power density requirement for distance of 20 cm.

Completed By: Kiki
Data: 2011-11-8