

Test No.13

<b>Name of Test:</b>	<i>Radio Frequency Exposure</i>	<b>Test Standard:</b>	<i>FCC OET Bulletin 65 &amp;RSS-GEN</i>
<b>Tested By:</b>	WEI LI	<b>Test Date:</b>	01/18/2018-02/18/2019

**Minimum Standard:** Public Exposure to Radio Frequency Energy Levels (1.1307 (b)(1)) Limits:

From §1.1310 Table 1 (B),  
for Public  $S = 1.0 \text{ mW/cm}^2$   
for Professional,  $S = 5.0 \text{ mW/cm}^2$

**Method of Measurement:**

$$d = 0.282 * 10^{((P + G) / 20) / \sqrt{S}} \quad \text{Equation (1)}$$

$$S = 0.0795 * 10^{((P + G)/10)/ d^2} \quad \text{Equation (2)}$$

where  
 $d$  = MPE distance in cm  
 $P$  = Power in dBm  
 $G$  = Antenna Gain in dBi  
 $S$  = Power Density Limit in  $\text{mW/cm}^2$

Equation (1) and the measured peak power is used to calculate the MPE distance.  
Equation (2) and the measured peak power is used to calculate the Power density.

**Test Result:**

**Test Data:** NA

**Calculation:**

For this EUT, max emission level is under the limit set in Section 15.209. No RF hazard need to be concerned.

- Reference CFR 1.1310, Table 1: Limits for Maximum Permissible Exposure (MPE), Section (B): Limits for General Population/Uncontrolled Exposure