

## **FCC ID : Y2E-APMJ803WS**

### **Applicable Standards:**

#### **(Portable device)**

According to 1.1307(b)(1), systems operating under the provisions of this section shall be operated in Manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to 1.1310 and 2.1091 RF exposure is calculated . Limits for Maximum Pmissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30–300	27.5	0.073	0.2	30
300–1500	--	--	f/1500	30
1500–100,000	--	--	1.0	30

### **Test Data:**

S=PG/4πR<sup>2</sup>

Where: S= Power density

P= Power input to antenna

G=Power gain of the antenna in the direction of interest relative to an isotropic radiator

R=Distance to the center of radiation of the antenna

**Maximum peak output power at antenna input terminal** : -7.73 (dBm) = 0.000169 (W)=0.169(mW)

**Prediction distance** 20 (cm)     **Prediction frequency** : 2412 (MHz) **Antenna Gain**: 2.0 dBi

**Power density at predication frequency at 20cm** :0.0000673(mW/cm<sup>2</sup>)

**MPE Limit for uncontrolled exposure at prediction frequency** : 1(mW/cm<sup>2</sup>)

## **SIMULTANEOUS TRANSMISSION EVALUATION**



Signature

Henry Yang / Manager

Title: Manager

Anbotek Compliance Laboratory Limited

1/F, 1 /Building, SEC Industrial Park, No.4 Qianhai Road, Nanshan District, Shenzhen, 518054, China