

## **RF Exposure**

### **Applicable Standard**

According to §1.1307(b)(5), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline. This is a Portable device. The **Section 4.3.1 and Appendix A of KDB447498 D01 V05 was used as the guidance.**

### **Calculation Result (Worse Case):**

#### **WIFI Mode:**

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 8.95/5 * 1.57 = 2.81$  this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### **BLE Mode:**

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 0.476/5 * 1.57 = 0.15$  this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### **Bluetooth Mode:**

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 2.55/5 * 1.57 = 0.80$  this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

Note: WIFI and Bluetooth can not transmit at the same time. WIFI and Bluetooth use the same antenna.

**The SAR measurement is not necessary.**