

## **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:**

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \left[ \sqrt{f(\text{GHz})} \right] = 9.14/5 * 1.57 = 2.87$$
 this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### **Bluetooth Mode**

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \left[ \sqrt{f(\text{GHz})} \right] = 1.06/5 * 1.57 = 0.33$$
 this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### **BLE Mode**

$$\left[ \frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \left[ \sqrt{f(\text{GHz})} \right] = 3.80/5 * 1.57 = 1.19$$
 this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

**WIFI and BT can not transmit at the same time.**

**The SAR measurement is not necessary.**