

## **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 (2.4G band) :**

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 6.98/5 * 1.57 = 2.19$ , this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### **WIFI Mode (5.150-5.250G band) :**

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 3.44/5 * 2.28 = 1.57$ , this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### **WIFI Mode (5.725-5.825G band) :**

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 3.56/5 * 2.40 = 1.71$ , this value is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

**The SAR measurement is not necessary.**