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）:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] =5.22/5 * 1.57= 1.64, this value is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

WIFI Mode （5.150-5.250G band）:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] =3.76/5 * 2.28= 1.71, this value is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

WIFI Mode （5.725-5.825G band）:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] =2.93/5 * 2.41= 1.41, this value is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Bluetooth Mode

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] =1.18/5 * 1.57= 0.37, this value is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

The SAR measurement is not necessary.