

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 V06 was used as the guidance.**

2.4G Band

Calculation Result (Worse case—802.11b, Channel 2412MHz)

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 5.559/5 * 1.55 = 1.72$, this value is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

5G Band

Calculation Result (Worse case—802.11a, Channel 5825MHz)

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 5.047/5 * 2.41 = 2.43$, 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.