

FCC ID: RBD-NP153GK

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 2.4G Band Mode:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{(\text{min. test separation distance, mm})} \right] \cdot [\sqrt{f(\text{GHz})}] = 7.482/5 * 1.57 = 2.35$$
, this value is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

WIFI 5G Band 1:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{(\text{min. test separation distance, mm})} \right] \cdot [\sqrt{f(\text{GHz})}] = 4.864/5 * 2.29 = 2.23$$
, this value is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

WIFI 5G Band 4:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{(\text{min. test separation distance, mm})} \right] \cdot [\sqrt{f(\text{GHz})}] = 4.656/5 * 2.40 = 2.23$$
, 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.