

**FCC ID: 2AKXB-W3400010**

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHZ})} \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where:

- f(GHZ) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

BLE:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculatio n	SAR Exclusion threshold	SAR test exclusion
BLE (1M)	2.402	4.04	2.54	2±1	3	2.00	<5	0.61847	3.00	YES
	2.440	3.95	2.48	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	3.39	2.18	2±1	3	2.00	<5	0.62843	3.00	YES
BLE (2M)	2.402	4.05	2.54	2±1	3	2.00	<5	0.61847	3.00	YES
	2.440	3.96	2.49	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	3.34	2.16	2±1	3	2.00	<5	0.62843	3.00	YES

**Conclusion:**

For the max result :  $0.62843 \leq 3.0$  for 1g SAR, SAR is not required.



**Signature:**

**Date:** 2023-01-30

**NAME AND TITLE** (Please print or type): Alex li /Manager

**COMPANY** (Please print or type): Shenzhen NTEK Testing Technology Co., Ltd./ 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao’an District, Shenzhen P.R. China.