

**FCC ID: 2ABU6E5**

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:

Antenna Type: PCB Antenna

Antenna Gain: 1.74 dBi

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	1g SAR Exclusion threshold	SAR test exclusion
GFSK(1M )	2.402	-0.78	0.836	0±1	1.0	1.259	<5	0.39023	3.00	YES
	2.440	1.44	1.393	1±1	2.0	1.585	<5	0.49514	3.00	YES
	2.480	-0.62	0.867	0±1	1.0	1.259	<5	0.39651	3.00	YES
GFSK(2M )	2.402	-0.81	0.830	0±1	1.0	1.259	<5	0.39023	3.00	YES
	2.440	1.44	1.393	1±1	2.0	1.585	<5	0.49514	3.00	YES
	2.480	-0.57	0.877	0±1	1.0	1.259	<5	0.39651	3.00	YES

**Conclusion:**

For the max result :  $0.49514 \leq 3.0$  for 1-g SAR, No SAR is required.

**Signature:**

**Date:** 2022-06-08

**NAME AND TITLE** (Please print or type): Alex /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 518126 P.R. China