

FCC ID: 2BAI6-SC500

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 ≤ 7.5 for 10-g extremity SAR, where:

- $f(\text{GHz})$ 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: 1.7dBi

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 calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK(1M)	2.402	-2.88	0.515	-2±1	-1.0	0.794	<5	0.24622	3.00	YES
	2.440	-1.28	0.745	-2±1	-1.0	0.794	<5	0.24816	3.00	YES
	2.480	-0.96	0.802	0±1	1.0	1.259	<5	0.39651	3.00	YES
GFSK(2M)	2.402	-2.81	0.524	-2±1	-1.0	0.794	<5	0.24622	3.00	YES
	2.440	-1.2	0.759	-2±1	-1.0	0.794	<5	0.24816	3.00	YES
	2.480	-0.89	0.815	0±1	1.0	1.259	<5	0.39651	3.00	YES

Conclusion:

For the max result : $0.39651 \leq 3.0$ for 1-g SAR, No SAR is required.


Signature:**Date:** 4/7/2023**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