

FCC ID: 2ABYN055

Portable device

According to §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 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.

Antenna Type : External Antenna

Antenna Gain: 1.60dBi

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
0.5146	-8.478	0.142	-9±1	-8	0.158	<5	0.02274	3.00	YES
0.5347	-9.057	0.124	-10±1	-9	0.126	<5	0.01841	3.00	YES
0.5539	-9.805	0.105	-10±1	-9	0.126	<5	0.01874	3.00	YES

Conclusion:

For the max result : $0.02274 \leq 3.0$ for 1-g SAR, No SAR is required.

Signature:

Date: 2023-02-01

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 518126 P.R. China