

FCC ID: 2ATYD-1016

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.

BR+EDR:

Antenna Type :FPC Antenna

Antenna Gain: -2.3dBi

| 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 | 2.402 | 5.166 | 3.285 | 4.8±1 | 5.8 | 3.802 | <5 | 1.17846 | 3.00 | YES |
| | 2.441 | 3.686 | 2.337 | 4.8±1 | 5.8 | 3.802 | <5 | 1.18799 | 3.00 | YES |
| | 2.480 | 5.542 | 3.583 | 4.8±1 | 5.8 | 3.802 | <5 | 1.19745 | 3.00 | YES |
| π/4-DQPSK | 2.402 | 5.765 | 3.771 | 4.8±1 | 5.8 | 3.802 | <5 | 1.17846 | 3.00 | YES |
| | 2.441 | 4.416 | 2.764 | 4.8±1 | 5.8 | 3.802 | <5 | 1.18799 | 3.00 | YES |
| | 2.480 | 5.236 | 3.339 | 4.8±1 | 5.8 | 3.802 | <5 | 1.19745 | 3.00 | YES |
| 8DPSK | 2.402 | 5.657 | 3.679 | 4.8±1 | 5.8 | 3.802 | <5 | 1.17846 | 3.00 | YES |
| | 2.441 | 4.612 | 2.892 | 4.8±1 | 5.8 | 3.802 | <5 | 1.18799 | 3.00 | YES |
| | 2.480 | 5.653 | 3.675 | 4.8±1 | 5.8 | 3.802 | <5 | 1.19745 | 3.00 | YES |

Conclusion:

For the max result : 1.19745 ≤ 3.0 for 1-g SAR, the SAR is not required.



Signature:

Date: 2021-07-19

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