

FCC ID:2AOKB-T2901

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(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.

2.4G:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distan ce (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusi on
GFSK	2.405	-15.296	0.03	-15±1	-14.00	0.04	<5	0.01235	3.00	YES
	2.44	-14.871	0.03	-15±1	-14.00	0.04	<5	0.01244	3.00	YES
	2.480	-14.244	0.04	-15±1	-14.00	0.04	<5	0.01254	3.00	YES

Conclusion:

For the max result : 0.01254W/Kg ≤ FCC Limit 1.6W/Kg for 1g SAR.



Signature:

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NAME AND TITLE (Please print or type): Jason Chen /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.