

FCC ID: 2AW22-AIRIAL

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.

BR+EDR:

Antenna Type: FPC Antenna

Antenna Gain: -2.99 dBi

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted 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	2.20	1.660	3±1	4.0	2.512	<5	0.77860	3.00	YES
	2.441	4.11	2.576	4±1	5.0	3.162	<5	0.98813	3.00	YES
	2.480	2.65	1.841	3±1	4.0	2.512	<5	0.79114	3.00	YES
π/4-DQPSK	2.402	2.17	1.648	3±1	4.0	2.512	<5	0.77860	3.00	YES
	2.441	3.99	2.506	3±1	4.0	2.512	<5	0.78490	3.00	YES
	2.480	2.69	1.858	3±1	4.0	2.512	<5	0.79114	3.00	YES
8DPSK	2.402	2.13	1.633	3±1	4.0	2.512	<5	0.77860	3.00	YES
	2.441	4.04	2.535	4±1	5.0	3.162	<5	0.98813	3.00	YES
	2.480	2.71	1.866	3±1	4.0	2.512	<5	0.79114	3.00	YES

Conclusion:

For the max result : 0.98813 ≤ 3.0 for 1-g SAR, No SAR is required.



Signature:

Date: 2021-07-20

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