

FCC ID: YB2-H101

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: Ceramic antenna

Antenna Gain: 2dBi

left

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 calculatio n	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	2.93	1.963	2±1	3.0	1.995	<5	0.61847	3.00	YES
	2.441	1.15	1.303	2±1	3.0	1.995	<5	0.62347	3.00	YES
	2.480	1.43	1.390	2±1	3.0	1.995	<5	0.62843	3.00	YES
π/4-DQPSK	2.402	2.4	1.738	2±1	3.0	1.995	<5	0.61847	3.00	YES
	2.441	1.8	1.514	2±1	3.0	1.995	<5	0.62347	3.00	YES
	2.480	1.88	1.542	2±1	3.0	1.995	<5	0.62843	3.00	YES
8DPSK	2.402	3.59	2.286	3±1	4.0	2.512	<5	0.77860	3.00	YES
	2.441	2.6	1.820	3±1	4.0	2.512	<5	0.78490	3.00	YES
	2.480	2.29	1.694	3±1	4.0	2.512	<5	0.79114	3.00	YES

right

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 calculatio n	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	3.57	2.275	3±1	4.0	2.512	<5	0.77860	3.00	YES
	2.441	2.63	1.832	3±1	4.0	2.512	<5	0.78490	3.00	YES
	2.480	2.24	1.675	3±1	4.0	2.512	<5	0.79114	3.00	YES
π/4-DQPSK	2.402	3.98	2.500	3±1	4.0	2.512	<5	0.77860	3.00	YES
	2.441	3.12	2.051	3±1	4.0	2.512	<5	0.78490	3.00	YES
	2.480	2.7	1.862	3±1	4.0	2.512	<5	0.79114	3.00	YES
8DPSK	2.402	4.31	2.698	3.5±1	4.5	2.818	<5	0.87361	3.00	YES
	2.441	3.43	2.203	3.5±1	4.5	2.818	<5	0.88067	3.00	YES
	2.480	3.12	2.051	3.5±1	4.5	2.818	<5	0.88768	3.00	YES

Conclusion:

For the max result : 0.88768 ≤ 3.0 for 1-g SAR, No SAR is required.

Signature:

Date: 2022-03-30

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