

FCC ID: 2AAUI-GDIEXSJ401

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.

BT

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	8.606	7.25	8.5±1	9.5	8.91	<5	2.76259	3.00	YES
	2.441	9.36	8.63	8.5±1	9.5	8.91	<5	2.78493	3.00	YES
	2.480	8.762	7.52	8.5±1	9.5	8.91	<5	2.80709	3.00	YES
π/4-DQPSK	2.402	7.704	5.89	7.5±1	8.5	7.08	<5	2.19440	3.00	YES
	2.441	7.981	6.28	7.5±1	8.5	7.08	<5	2.21215	3.00	YES
	2.480	8.487	7.06	7.5±1	8.5	7.08	<5	2.22975	3.00	YES
8-DPSK	2.402	8.476	7.04	8.5±1	9.5	8.91	<5	2.76259	3.00	YES
	2.441	8.561	7.18	8.5±1	9.5	8.91	<5	2.78493	3.00	YES
	2.480	9.041	8.02	8.5±1	9.5	8.91	<5	2.80709	3.00	YES

BLE

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	SAR Exclusion threshold	SAR test exclusion
GFSK (1M)	2.402	8.055	6.39	8.5±1	9.5	8.91	<5	2.76259	3.00	YES
	2.440	9.157	8.24	8.5±1	9.5	8.91	<5	2.78436	3.00	YES
	2.480	8.25	6.68	8.5±1	9.5	8.91	<5	2.80709	3.00	YES

Conclusion:

For the max result : 2.80709 ≤ 3.0 for 1g SAR, No SAR is required.



Signature:

Date: 2022-01-11

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 P.R. China.