

FCC ID:APMJ-AIRBUDS5PROL

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: Monopole Antenna

Antenna Gain:0.5 dBi

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	6.49	4.457	7±1	8.0	6.310	<5	1.95576	3.00	YES
	2.441	6.21	4.178	7±1	8.0	6.310	<5	1.97158	3.00	YES
	2.480	7.09	5.117	7±1	8.0	6.310	<5	1.98727	3.00	YES
π/4-DQPSK	2.402	6.37	4.335	7±1	8.0	6.310	<5	1.95576	3.00	YES
	2.441	6.18	4.150	7±1	8.0	6.310	<5	1.97158	3.00	YES
	2.480	7.11	5.140	7±1	8.0	6.310	<5	1.98727	3.00	YES
8DPSK	2.402	6.39	4.355	7±1	8.0	6.310	<5	1.95576	3.00	YES
	2.441	6.21	4.178	7±1	8.0	6.310	<5	1.97158	3.00	YES
	2.480	7.08	5.105	7±1	8.0	6.310	<5	1.98727	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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK (1M)	2.402	2.32	1.71	3±1	4	2.51	<5	0.77860	3.00	YES
	2.440	2.99	1.99	3±1	4	2.51	<5	0.78474	3.00	YES
	2.480	3.41	2.19	3±1	4	2.51	<5	0.79114	3.00	YES

Conclusion:

For the max result : $1.98727 \leq 3.0$ for 1-g SAR, No SAR is required.

Signature:

Date: 2021-08-09

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