

FCC ID: 2BALXNT-P801

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.

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	1.87	1.54	2±1	3	2.00	<5	0.61847	3.00	YES
	2.441	1.8	1.51	2±1	3	2.00	<5	0.62347	3.00	YES
	2.480	2.08	1.61	2±1	3	2.00	<5	0.62843	3.00	YES
π/4-DQPSK	2.402	2.21	1.66	2±1	3	2.00	<5	0.61847	3.00	YES
	2.441	1.96	1.57	2±1	3	2.00	<5	0.62347	3.00	YES
	2.480	2.47	1.77	2±1	3	2.00	<5	0.62843	3.00	YES
8-DQPSK	2.402	2.37	1.73	2±1	3	2.00	<5	0.61847	3.00	YES
	2.441	2.01	1.59	2±1	3	2.00	<5	0.62347	3.00	YES
	2.480	2.66	1.85	2±1	3	2.00	<5	0.62843	3.00	YES

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
802.11b	2.412	5.01	3.17	5±1	6	3.98	<5	1.23657	3.00	YES
	2.437	5.45	3.51	5±1	6	3.98	<5	1.24296	3.00	YES
	2.462	5.65	3.67	5±1	6	3.98	<5	1.24932	3.00	YES
802.11g	2.412	5.66	3.68	5±1	6	3.98	<5	1.23657	3.00	YES
	2.437	5.76	3.77	5±1	6	3.98	<5	1.24296	3.00	YES
	2.462	5	3.16	5±1	6	3.98	<5	1.24932	3.00	YES
802.11n H20	2.412	5.61	3.64	5±1	6	3.98	<5	1.23657	3.00	YES
	2.437	5.72	3.73	5±1	6	3.98	<5	1.24296	3.00	YES
	2.462	5.05	3.20	5±1	6	3.98	<5	1.24932	3.00	YES

Note:

NO simultaneous transmissions are possible for this device of Wi-Fi 2.4G + BT.

Conclusion:

For the max result : $1.24632 \leq 3.0$ for 1g SAR, SAR is not required.

Signature:

Date: 2023-03-15

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.