

FCC ID: 2AQZL-ELT0706H

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/BLE/WIFI:

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-1.65	0.68	-0.7±1	0.3	1.07	<5	0.33214	3.00	YES
	2.441	-0.65	0.86	-0.7±1	0.3	1.07	<5	0.33482	3.00	YES
	2.480	0.18	1.04	-0.7±1	0.3	1.07	<5	0.33749	3.00	YES
π/4-DQPSK	2.402	-0.41	0.91	0.5±1	1.5	1.41	<5	0.43784	3.00	YES
	2.441	0.66	1.16	0.5±1	1.5	1.41	<5	0.44138	3.00	YES
	2.480	1.49	1.41	0.5±1	1.5	1.41	<5	0.44489	3.00	YES
8DPSK	2.402	-0.15	0.97	0.7±1	1.7	1.48	<5	0.45848	3.00	YES
	2.441	0.82	1.21	0.7±1	1.7	1.48	<5	0.46218	3.00	YES
	2.480	1.70	1.48	0.7±1	1.7	1.48	<5	0.46586	3.00	YES
BLE	2.402	1.14	1.30	2±1	3	2.00	<5	0.61847	3.00	YES
	2.440	2.00	1.58	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	2.99	1.99	2±1	3	2.00	<5	0.62843	3.00	YES
802.11b	2.412	9.20	8.32	8.2±1	9.2	8.32	<5	2.58356	3.00	YES
	2.442	9.00	7.94	8.2±1	9.2	8.32	<5	2.59958	3.00	YES
	2.462	8.80	7.59	8.2±1	9.2	8.32	<5	2.61020	3.00	YES
802.11g	2.412	8.60	7.24	8±1	9	7.94	<5	2.46728	3.00	YES
	2.442	8.50	7.08	8±1	9	7.94	<5	2.48258	3.00	YES
	2.462	8.40	6.92	8±1	9	7.94	<5	2.49272	3.00	YES
802.11n HT20	2.412	8.60	7.24	8±1	9	7.94	<5	2.46728	3.00	YES
	2.442	8.50	7.08	8±1	9	7.94	<5	2.48258	3.00	YES
	2.462	8.30	6.76	8±1	9	7.94	<5	2.49272	3.00	YES
802.11n HT40	2.412	8.30	6.76	8±1	9	7.94	<5	2.46728	3.00	YES
	2.442	8.20	6.61	8±1	9	7.94	<5	2.48258	3.00	YES
	2.452	8.10	6.46	8±1	9	7.94	<5	2.48766	3.00	YES

Conclusion:

For the max result : 2.61020/Kg ≤ 3.0 for 1g SAR, No SAR is required.

Jason chen

Signature:

Date: 2018-09-04

NAME AND TITLE (Please print or type): Jason Chen /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.