

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.

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	2.03	1.596	3±1	4	2.51	<5	0.77860	3.00	YES
	2.441	3.07	2.028	3±1	4	2.51	<5	0.78490	3.00	YES
	2.480	3.61	2.296	3±1	4	2.51	<5	0.79114	3.00	YES
$\pi/4$ -DQPSK	2.402	3.26	2.118	4±1	5	3.16	<5	0.98020	3.00	YES
	2.441	4.54	2.844	4±1	5	3.16	<5	0.98813	3.00	YES
	2.480	4.94	3.119	4±1	5	3.16	<5	0.99599	3.00	YES
8DPSK	2.402	3.54	2.259	4±1	5	3.16	<5	0.98020	3.00	YES
	2.441	4.08	2.559	4±1	5	3.16	<5	0.98813	3.00	YES
	2.480	5	3.162	4±1	5	3.16	<5	0.99599	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	2.402	3.95	2.483	4±1	5	3.16	<5	0.98020	3.00	YES
	2.44	5	3.162	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	4.1	2.570	4±1	5	3.16	<5	0.99599	3.00	YES

WIFI:

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	8.26	6.699	8±1	9	7.94	<5	2.46728	3.00	YES
	2.437	8.65	7.328	8±1	9	7.94	<5	2.48003	3.00	YES
	2.462	8.49	7.063	8±1	9	7.94	<5	2.49272	3.00	YES
802.11g	2.412	7.63	5.794	7±1	8	6.31	<5	1.95983	3.00	YES
	2.437	7.73	5.929	7±1	8	6.31	<5	1.96996	3.00	YES
	2.462	6.97	4.977	7±1	8	6.31	<5	1.98004	3.00	YES
802.11n20	2.412	7.15	5.188	7±1	8	6.31	<5	1.95983	3.00	YES
	2.437	7.14	5.176	7±1	8	6.31	<5	1.96996	3.00	YES
	2.462	7.04	5.058	7±1	8	6.31	<5	1.98004	3.00	YES
802.11n40	2.422	6.91	4.909	6±1	7	5.01	<5	1.55997	3.00	YES
	2.437	6.73	4.710	6±1	7	5.01	<5	1.56480	3.00	YES
	2.452	6.9	4.898	6±1	7	5.01	<5	1.56960	3.00	YES

Conclusion:

For the max result : $2.49272 \leq \text{FCC Limit } 3.00$

A handwritten signature in black ink that reads "Jason chen". The letters are cursive and slightly slanted.**Signature:****Date:** 2016-9-08**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,
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