

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  $\leq 50$  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  $\leq 7.5$  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	3.664	2.32	4 $\pm$ 1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	4.234	2.65	4 $\pm$ 1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	4.015	2.52	4 $\pm$ 1	5.00	3.16	<5	0.99599	3.00	YES
$\pi/4$ -DQPSK	2.402	3.475	2.23	4 $\pm$ 1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	4.332	2.71	4 $\pm$ 1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	4.333	2.71	4 $\pm$ 1	5.00	3.16	<5	0.99599	3.00	YES
8DPSK	2.402	3.863	2.43	4 $\pm$ 1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	4.988	3.15	4 $\pm$ 1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	4.744	2.98	4 $\pm$ 1	5.00	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	3.47	2.22	3 $\pm$ 1	4.00	2.51	<5	0.77860	3.00	YES
	2.440	3.46	2.22	3 $\pm$ 1	4.00	2.51	<5	0.78474	3.00	YES
	2.480	3.62	2.30	3 $\pm$ 1	4.00	2.51	<5	0.79114	3.00	YES

**Conclusion:**

For the max result :  $0.99599\text{W/Kg} \leq 3.0$  for 1g SAR, No SAR is required.

*Jason chen*

**Signature:**

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**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 518126 P.R. China.