

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	0.65	1.16	0±1	1	1.26	<5	0.39023	3.00	YES
	2.441	0.61	1.15	0±1	1	1.26	<5	0.39338	3.00	YES
	2.480	0.8	1.20	0±1	1	1.26	<5	0.39651	3.00	YES
$\pi/4$ -DQPSK	2.402	1.41	1.38	1±1	2	1.58	<5	0.49127	3.00	YES
	2.441	1.39	1.38	1±1	2	1.58	<5	0.49524	3.00	YES
	2.480	1.6	1.45	1±1	2	1.58	<5	0.49918	3.00	YES
BLE 1M	2.402	0.95	1.24	1±1	2	1.58	<5	0.49127	3.00	YES
	2.440	0.92	1.24	1±1	2	1.58	<5	0.49514	3.00	YES
	2.480	1.01	1.26	1±1	2	1.58	<5	0.49918	3.00	YES
BLE 2M	2.402	0.97	1.25	1±1	2	1.58	<5	0.49127	3.00	YES
	2.440	1.09	1.29	1±1	2	1.58	<5	0.49514	3.00	YES

Conclusion:

For the max result : $0.49514 \leq 3.0$ for 1g SAR, SAR is not required.

Signature:

Alex Li

Date: 2025-09-28

NAME AND TITLE (Please print or type): Alex Li/Manager

COMPANY (Please print or type): Shenzhen NTEK Testing Technology Co., Ltd./ No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China