

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	-4.13	0.39	-4 \pm 1	-3	0.50	<5	0.15535	3.00	YES
	2.441	-3.33	0.46	-4 \pm 1	-3	0.50	<5	0.15661	3.00	YES
	2.480	-3.02	0.50	-4 \pm 1	-3	0.50	<5	0.15785	3.00	YES
$\pi/4$ -DQPSK	2.402	-1.8	0.66	-1 \pm 1	0	1.00	<5	0.30997	3.00	YES
	2.441	-1.21	0.76	-1 \pm 1	0	1.00	<5	0.31247	3.00	YES
	2.480	-0.77	0.84	-1 \pm 1	0	1.00	<5	0.31496	3.00	YES
8-DPSK	2.402	-1.27	0.75	-1 \pm 1	0	1.00	<5	0.30997	3.00	YES
	2.441	-0.39	0.91	-1 \pm 1	0	1.00	<5	0.31247	3.00	YES
	2.480	-1.62	0.69	-1 \pm 1	0	1.00	<5	0.31496	3.00	YES

Conclusion:

For the max result : $0.31496 \leq 3.0$ for 1g SAR, SAR is not required.

Signature:

Alex Li

Date: 2025-07-21

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

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