

FCC ID: 2AQA5-M2P18

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 ≤ 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

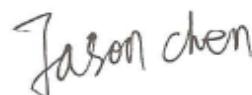
When the minimum test separation distance is $<$ 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

BT:

Modulation	Channel Freq. (GHz)	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	-0.30	0.93	0 \pm 1	1	1.26	<5	0.39023	3.00	YES
	2.441	-0.28	0.94	0 \pm 1	1	1.26	<5	0.39338	3.00	YES
	2.480	-0.40	0.91	0 \pm 1	1	1.26	<5	0.39651	3.00	YES
$\pi/4$ -DQPSK	2.402	-0.01	1.00	0 \pm 1	1	1.26	<5	0.39023	3.00	YES
	2.441	0.02	1.00	0 \pm 1	1	1.26	<5	0.39338	3.00	YES
	2.480	-0.53	0.89	0 \pm 1	1	1.26	<5	0.39651	3.00	YES
8-DPSK	2.402	0.51	1.12	0 \pm 1	1	1.26	<5	0.39023	3.00	YES
	2.441	0.55	1.14	0 \pm 1	1	1.26	<5	0.39338	3.00	YES
	2.480	-0.25	0.94	0 \pm 1	1	1.26	<5	0.39651	3.00	YES

Conclusion:

For the max result : $0.39651 \text{W/Kg} \leq 3.0$ for Max Power Density, compliance RF exposure.



Signature:

Date: 2018-07-12

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.