

FCC ID: 2AFYEJ501A**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: Left

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	1.71	1.48	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	2.04	1.60	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	1.49	1.41	2±1	3	2.00	<5	0.62843	3.00	YES
$\pi/4$ -DQPSK	2.402	1.68	1.47	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	2.06	1.61	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	1.48	1.41	2±1	3	2.00	<5	0.62843	3.00	YES
8-DPSK	2.402	1.68	1.47	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	2.03	1.60	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	1.48	1.41	2±1	3	2.00	<5	0.62843	3.00	YES

BLE:Left

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	-2.90	0.51	-3±1	-2	0.63	<5	0.19558	3.00	YES
	2.44	-2.30	0.59	-3±1	-2	0.63	<5	0.19712	3.00	YES
	2.480	-3.19	0.48	-3±1	-2	0.63	<5	0.19873	3.00	YES

BT: Right

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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	2.11	1.63	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	2.01	1.59	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	1.81	1.52	2±1	3	2.00	<5	0.62843	3.00	YES
π/4-DQPSK	2.402	2.16	1.64	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	2.00	1.58	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	1.81	1.52	2±1	3	2.00	<5	0.62843	3.00	YES
8-DPSK	2.402	2.15	1.64	2±1	3	2.00	<5	0.61847	3.00	YES
	2.44	1.99	1.58	2±1	3	2.00	<5	0.62334	3.00	YES
	2.480	1.80	1.51	2±1	3	2.00	<5	0.62843	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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-2.22	0.60	-2±1	1	1.26	<5	0.39023	3.00	YES
	2.44	-2.18	0.61	-2±1	1	1.26	<5	0.39330	3.00	YES
	2.480	-2.77	0.53	-2±1	1	1.26	<5	0.39651	3.00	YES

Conclusion:

For the max result : 0.62843W/Kg ≤ 3.0 for 1g SAR, No SAR is required.

Jason chen

Signature:

Date: 2019-05-24

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.