

FCC ID: 2AXP2-OW22

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(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.

SRD 2.4G:

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(1M)	2.405	-0.96	0.80	-0.5±1	0.5	1.12	<5	0.34801	3.00	YES
	2.451	-1.33	0.74	-0.5±1	0.5	1.12	<5	0.35132	3.00	YES
	2.476	-1.48	0.71	-0.5±1	0.5	1.12	<5	0.35311	3.00	YES
GFSK(2M)	2.405	-0.91	0.81	-0.5±1	0.5	1.12	<5	0.34801	3.00	YES
	2.451	-1.27	0.75	-0.5±1	0.5	1.12	<5	0.35132	3.00	YES
	2.476	-1.42	0.72	-0.5±1	0.5	1.12	<5	0.35311	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
BLE(1M)	2.402	-1.12	0.77	-0.5±1	0.5	1.12	<5	0.34779	3.00	YES
	2.44	-0.5	0.89	-0.5±1	0.5	1.12	<5	0.35053	3.00	YES
	2.480	-0.99	0.80	-0.5±1	0.5	1.12	<5	0.35339	3.00	YES
BLE(2M)	2.402	-1.14	0.77	-0.5±1	0.5	1.12	<5	0.34779	3.00	YES
	2.44	-0.59	0.87	-0.5±1	0.5	1.12	<5	0.35053	3.00	YES
	2.480	-1.07	0.78	-0.5±1	0.5	1.12	<5	0.35339	3.00	YES

Conclusion:

For the max result : $0.35339 \leq 3.0$ for 1g SAR, SAR is not required.



Signature:

Date: 11/23/2022

NAME AND TITLE (Please print or type): Alex li /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.