

FCC ID: 2AXP2-DW23

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	-2.35	0.58	-2±1	-1	0.79	<5	0.24637	3.00	YES
	2.451	-1.9	0.65	-2±1	-1	0.79	<5	0.24871	3.00	YES
	2.476	-1.92	0.64	-2±1	-1	0.79	<5	0.24998	3.00	YES
GFSK(2M)	2.405	-2.29	0.59	-2±1	-1	0.79	<5	0.24637	3.00	YES
	2.451	-1.84	0.65	-2±1	-1	0.79	<5	0.24871	3.00	YES
	2.476	-1.92	0.64	-2±1	-1	0.79	<5	0.24998	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	-2.72	0.53	-2±1	-1	0.79	<5	0.24622	3.00	YES
	2.44	-1.81	0.66	-2±1	-1	0.79	<5	0.24816	3.00	YES
	2.480	-1.75	0.67	-2±1	-1	0.79	<5	0.25018	3.00	YES
BLE(2M)	2.402	-2.68	0.54	-2±1	-1	0.79	<5	0.24622	3.00	YES
	2.44	-1.79	0.66	-2±1	-1	0.79	<5	0.24816	3.00	YES
	2.480	-1.71	0.67	-2±1	-1	0.79	<5	0.25018	3.00	YES

Conclusion:

For the max result : $0.25018 \leq 3.0$ for 1g SAR, SAR is not required.

Signature:

Date: 9/11/2023

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.