

FCC ID: 2ANDX-CP10N

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.

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 calculation	SAR Exclusion threshold	SAR test exclusion
BLE 1M	2.402	1.91	1.55	2±1	3	2.00	<5	0.61847	7.50	YES
	2.440	2.44	1.75	2±1	3	2.00	<5	0.62334	7.50	YES
	2.480	2.21	1.66	2±1	3	2.00	<5	0.62843	7.50	YES

Wifi:

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
802. 11b	2.412	12.85	19.28	12±1	13	19.95	<5	6.19753	7.50	YES
	2.437	12.79	19.01	12±1	13	19.95	<5	6.22957	7.50	YES
	2.462	12.94	19.68	12±1	13	19.95	<5	6.26144	7.50	YES
802. 11g	2.412	12.01	15.89	12±1	13	19.95	<5	6.19753	7.50	YES
	2.437	12.07	16.11	12±1	13	19.95	<5	6.22957	7.50	YES
	2.462	12.33	17.10	12±1	13	19.95	<5	6.26144	7.50	YES
802. 11n20	2.412	11.73	14.89	12±1	13	19.95	<5	6.19753	7.50	YES
	2.437	12.07	16.11	12±1	13	19.95	<5	6.22957	7.50	YES
	2.462	11.96	15.70	12±1	13	19.95	<5	6.26144	7.50	YES
802. 11n40	2.422	11.05	12.74	11±1	12	15.85	<5	4.93307	7.50	YES
	2.437	11.34	13.61	11±1	12	15.85	<5	4.94832	7.50	YES
	2.452	11.52	14.19	11±1	12	15.85	<5	4.96353	7.50	YES

Conclusion:

For the max result :6.26144 \leq 7.5 for 10g SAR, SAR is not required.

Signature:

Alex Li

Date: 2025-09-10

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