## FCC ID: 2A2RI-RF008A

## Portable device

According to §15.249 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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]· $[\sqrt{f(GHZ)}] \le 3.0$  for 1-g SAR and  $\le 7.5$  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.

Antenna Type: PCB Antenna Antenna Gain:1.5 dBi

## Transmit power:

Ī	Frequency	EIRP power	EIRP power	EIRP power		
	(MHz)	(dBuV/m)	(dBm)	(mW)		
	2406	101.42	6.16	4.13		
	2424	99.91	4.65	2.92		
ĺ	2433	97.2	1.94	1.56		

EIRP=E-104.8+20log(D)

## Maximum Permissible Exposure:

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 calculatio n	1g SAR Exclusion threshold	SAR test exclusion
	2.406	6.16	4.130	6±1	7.0	5.012	<5	1.555	3.00	YES
FSK	2.424	4.65	2.917	4±1	5.0	3.162	<5	0.985	3.00	YES
	2.433	1.94	1.563	1±1	2.0	1.585	<5	0.494	3.00	YES

Conclusion:

For the max result: 1.555≤ 3.0 for 1-g SAR, No SAR is required.

Signature: Date: 2023-07-03

NAME AND TITLE (Please print or type): Alex /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 518126 P.R. China