

**FCC ID: SVC-M4UTWM**

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  $\leq 7.5$  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(1M):

Antenna Type: FPCB antenna

Antenna Gain: -0.5dBi

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	1g SAR Exclusion threshold	SAR test exclusion
GFSK (Left)	2.402	3.17	2.075	4±1	5.0	3.162	<5	0.98020	3.00	YES
	2.441	4.27	2.673	4±1	5.0	3.162	<5	0.98813	3.00	YES
	2.480	4.1	2.570	4±1	5.0	3.162	<5	0.99599	3.00	YES
GFSK (Right)	2.402	4.05	2.541	4.5±1	5.5	3.548	<5	1.09981	3.00	YES
	2.441	5.47	3.524	5.5±1	6.5	4.467	<5	1.39577	3.00	YES
	2.480	5.75	3.758	5.5±1	6.5	4.467	<5	1.40688	3.00	YES

BLE(2M):

Antenna Type: FPCB antenna

Antenna Gain: -0.5dBi

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	1g SAR Exclusion threshold	SAR test exclusion
GFSK (Left)	2.402	3.85	2.427	4±1	5.0	3.162	<5	0.98020	3.00	YES
	2.441	5.09	3.228	5±1	6.0	3.981	<5	1.24398	3.00	YES
	2.480	5.69	3.707	5±1	6.0	3.981	<5	1.25388	3.00	YES
GFSK (Right)	2.402	4.33	2.710	4.5±1	5.5	3.548	<5	1.09981	3.00	YES
	2.441	5.09	3.228	5±1	6.0	3.981	<5	1.24398	3.00	YES
	2.480	5.8	3.802	5.5±1	6.5	4.467	<5	1.40688	3.00	YES

**Conclusion:**

For the max result : 1.40688≤ 3.0 for 1-g SAR, No SAR is required.

**Signature:**

**Date:** 2024-01-09

**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