

# FCC ID: 2ANR4-CB-BB2

## 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 V05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

$f(\text{GHz})$  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;

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm

and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculated.

Bluetooth DSS:

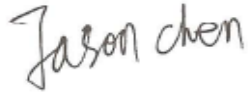
| Transmit Frequency (GHz) | Mode           | Measured Power (dBm) | Tune-up power (dBm) | Max tune-up power(dBm) | Result calculation | 1g SAR |
|--------------------------|----------------|----------------------|---------------------|------------------------|--------------------|--------|
| 2.402                    | GFSK           | -0.89                | 0±1                 | 1                      | 0.3902             | 3      |
| 2.441                    |                | 0.17                 | 0±1                 | 1                      | 0.3934             | 3      |
| 2.48                     |                | 0.22                 | 0±1                 | 1                      | 0.3965             | 3      |
| 2.402                    | $\pi/4$ -DQPSK | -2.32                | -2±1                | -1                     | 0.2462             | 3      |
| 2.441                    |                | -1.16                | -2±1                | -1                     | 0.2482             | 3      |
| 2.48                     |                | -1.29                | -2±1                | -1                     | 0.2502             | 3      |
| 2.402                    | 8DPSK          | -2.25                | -2±1                | -1                     | 0.2462             | 3      |
| 2.441                    |                | -1.03                | -2±1                | -1                     | 0.2482             | 3      |
| 2.48                     |                | -1.11                | -2±1                | -1                     | 0.2502             | 3      |

Bluetooth DTS:

| Transmit Frequency (GHz) | Mode | Measured Power (dBm) | Tune-up power (dBm) | Max tune-up power(dBm) | Result calculation | 1g SAR |
|--------------------------|------|----------------------|---------------------|------------------------|--------------------|--------|
| 2.402                    | GFSK | -4.18                | -5±1                | -4                     | 0.1234             | 3      |
| 2.44                     |      | -4.56                | -5±1                | -4                     | 0.1244             | 3      |
| 2.48                     |      | -5.71                | -5±1                | -4                     | 0.1254             | 3      |

**Conclusion:**

For the max result :  $0.3965 \leq 3.0$  for 1g SAR, No SAR is required.

**Signature:****Date:** 2017-10-12**NAME AND TITLE** (Please print or type): Jason Chen /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.