

**FCC ID: APIJBLFREEX**

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  $\leq 50$  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.

BR+EDR:

Antenna Type : LDS Antenna

Antenna Gain: -2.03 dBi

| 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 | 1g SAR Exclusion threshold | SAR test exclusion |
|----------------|---------------------|------------------------|-----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|----------------------------|--------------------|
| GFSK           | 2.402               | 8.38                   | 6.887                 | 8±1                 | 9                       | 7.943                  | <5            | 2.46216            | 3.00                       | YES                |
|                | 2.441               | 8.73                   | 7.464                 | 8±1                 | 9                       | 7.943                  | <5            | 2.48207            | 3.00                       | YES                |
|                | 2.480               | 8.48                   | 7.047                 | 8±1                 | 9                       | 7.943                  | <5            | 2.50182            | 3.00                       | YES                |
| $\pi/4$ -DQPSK | 2.402               | 8.36                   | 6.855                 | 8±1                 | 9                       | 7.943                  | <5            | 2.46216            | 3.00                       | YES                |
|                | 2.441               | 8.73                   | 7.464                 | 8±1                 | 9                       | 7.943                  | <5            | 2.48207            | 3.00                       | YES                |
|                | 2.480               | 8.48                   | 7.047                 | 8±1                 | 9                       | 7.943                  | <5            | 2.50182            | 3.00                       | YES                |
| 8DPSK          | 2.402               | 8.36                   | 6.855                 | 8±1                 | 9                       | 7.943                  | <5            | 2.46216            | 3.00                       | YES                |
|                | 2.441               | 8.75                   | 7.499                 | 8±1                 | 9                       | 7.943                  | <5            | 2.48207            | 3.00                       | YES                |
|                | 2.480               | 8.48                   | 7.047                 | 8±1                 | 9                       | 7.943                  | <5            | 2.50182            | 3.00                       | YES                |

BLE:

Antenna Type : LDS Antenna

Antenna Gain: -2.03 dBi

| 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 | 1g SAR Exclusion threshold | SAR test exclusion |
|------------|---------------------|------------------------|-----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|----------------------------|--------------------|
| GFSK       | 2.402               | 8.5                    | 7.079                 | 8±1                 | 9                       | 7.943                  | <5            | 2.46216            | 3.00                       | YES                |
|            | 2.44                | 8.84                   | 7.656                 | 8±1                 | 9                       | 7.943                  | <5            | 2.48156            | 3.00                       | YES                |
|            | 2.480               | 8.57                   | 7.194                 | 8±1                 | 9                       | 7.943                  | <5            | 2.50182            | 3.00                       | YES                |

### Conclusion:

For the max result :  $2.50182 \leq 3.0$  for 1-g SAR, No SAR is required.

*Jason chen*

Signature:

Date: 2018-04-21

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 518126 P.R. China