

FCC ID: 2AJL6-ESTEP0001

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 ≤ 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 ≤ 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 | 2.36 | 2±1 | 3 | 0.6185 | 3 |
| 2.441 | | 2.62 | 2±1 | 3 | 0.6235 | 3 |
| 2.48 | | 1.83 | 2±1 | 3 | 0.6284 | 3 |
| 2.402 | $\pi/4$ -DQPSK | 1.86 | 2±1 | 3 | 0.6185 | 3 |
| 2.441 | | 2.67 | 2±1 | 3 | 0.6235 | 3 |
| 2.48 | | 2.4 | 2±1 | 3 | 0.6284 | 3 |
| 2.402 | 8DPSK | 2.97 | 3±1 | 4 | 0.7786 | 3 |
| 2.441 | | 3.67 | 3±1 | 4 | 0.7849 | 3 |
| 2.48 | | 3.29 | 3±1 | 4 | 0.7911 | 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 | 1.7 | 1±1 | 2 | 0.4913 | 3 |
| 2.440 | | 1.81 | 1±1 | 2 | 0.4951 | 3 |
| 2.48 | | 0.69 | 1±1 | 2 | 0.4992 | 3 |

WiFi:

| Transmit Frequency (GHz) | Mode | Measured Power (dBm) | Tune-up power (dBm) | Max tune-up power(dBm) | Result calculation | 1g SAR |
|--------------------------|--------------|----------------------|---------------------|------------------------|--------------------|--------|
| 2.412 | 802.11b | 9.08 | 8.5±1 | 9.5 | 2.7683 | 3 |
| 2.437 | | 9.14 | 8.5±1 | 9.5 | 2.7826 | 3 |
| 2.462 | | 9.42 | 8.5±1 | 9.5 | 2.7969 | 3 |
| 2.412 | 802.11g | 9.38 | 8.5±1 | 9.5 | 2.7683 | 3 |
| 2.437 | | 9.44 | 8.5±1 | 9.5 | 2.7826 | 3 |
| 2.462 | | 9.21 | 8.5±1 | 9.5 | 2.7969 | 3 |
| 2.412 | 802.11n HT20 | 9.04 | 8.5±1 | 9.5 | 2.7683 | 3 |
| 2.437 | | 9.05 | 8.5±1 | 9.5 | 2.7826 | 3 |
| 2.462 | | 9.02 | 8.5±1 | 9.5 | 2.7969 | 3 |
| 2.422 | 802.11n HT40 | 6.62 | 6±1 | 7 | 1.5600 | 3 |
| 2.437 | | 6.05 | 6±1 | 7 | 1.5648 | 3 |
| 2.452 | | 6.45 | 6±1 | 7 | 1.5696 | 3 |

Conclusion:

For the max result : 2.7969≤ 3.0 for 1g SAR, No SAR is required.

Jason chen

Signature:

Date: 2016-9-24

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.