

**FCC ID: 2AD6J-HIRESSOUND**

**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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})]^*$

$[\sqrt{f(\text{GHz})}] \leq 3.0$  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;

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 calculate.

Maximum measured transmitter power:

BT DSS:

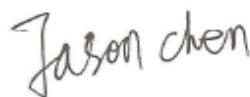
| Transmit Frequency (GHz) | Mode           | Measured Power (dBm) | Tune-up power (dBm) | Max tune-up power(dBm) | Result calculation | 1-g SAR |
|--------------------------|----------------|----------------------|---------------------|------------------------|--------------------|---------|
| 2.402                    | GFSK           | 5.43                 | 6±1                 | 7                      | 2.1698             | 3       |
| 2.441                    | GFSK           | 6.72                 | 6±1                 | 7                      | 2.1873             | 3       |
| 2.480                    | GFSK           | 6.55                 | 6±1                 | 7                      | 2.2047             | 3       |
| 2.402                    | $\pi/4$ -DQPSK | 5.38                 | 6±1                 | 7                      | 2.1698             | 3       |
| 2.441                    | $\pi/4$ -DQPSK | 5.48                 | 6±1                 | 7                      | 2.1873             | 3       |
| 2.480                    | $\pi/4$ -DQPSK | 5.37                 | 6±1                 | 7                      | 2.2047             | 3       |
| 2.402                    | 8DPSK          | 5.69                 | 6±1                 | 7                      | 2.1698             | 3       |
| 2.441                    | 8DPSK          | 5.90                 | 6±1                 | 7                      | 2.1873             | 3       |
| 2.480                    | 8DPSK          | 5.77                 | 6±1                 | 7                      | 2.2047             | 3       |

BT DTS:

|       |      |      |     |   |               |   |
|-------|------|------|-----|---|---------------|---|
| 2.402 | GFSK | 6.58 | 7±1 | 8 | 2.4797        | 3 |
| 2.440 | GFSK | 7.15 | 7±1 | 8 | 2.4993        | 3 |
| 2.48  | GFSK | 6.92 | 7±1 | 8 | <b>2.5197</b> | 3 |

**Conclusion:**

For the max result :  $2.5197 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.



Signature:

Date: 2016-8-12

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