**FCC ID: 2ATYD-1009**

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:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHZ)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- f(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:

Antenna Type: FPCB Antenna Antenna Gain: 1dBi

| Modulation | Channel Freq. (GHz) | Conducted power (dBm) | Conducted 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-1Mbit | 2.402 | -8.82 | 0.131 | -9.0±1 | -8 | 0.158 | <5 | 0.04913 | 3.00 | YES |
| | 2.441 | -8.74 | 0.134 | -9.0±1 | -8 | 0.158 | <5 | 0.04952 | 3.00 | YES |
| | 2.480 | -9.11 | 0.123 | -9.0±1 | -8 | 0.158 | <5 | 0.04992 | 3.00 | YES |
| GFSK-2Mbit | 2.402 | -6.36 | 0.231 | -6.5±1 | -5.5 | 0.282 | <5 | 0.08736 | 3.00 | YES |
| | 2.441 | -6.62 | 0.218 | -6.5±1 | -5.5 | 0.282 | <5 | 0.08807 | 3.00 | YES |
| | 2.480 | -6.73 | 0.212 | -6.5±1 | -5.5 | 0.282 | <5 | 0.08877 | 3.00 | YES |

**Conclusion:**
For the max result: 0.08877≤ 3.0 for 1-g SAR, No SAR is required.

**Signature:** Jason chen **Date:** 2019-07-18

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