

FCC ID: 2ADFC-VIGOR

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:

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

- $f(\text{GHz})$ 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

When the minimum test separation distance is $<$ 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

BT:

| 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 | SAR Exclusion threshold | SAR test exclusion |
|------------|---------------------|-----------------------|----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|-------------------------|--------------------|
| GFSK (BLE) | 2.402 | -1.451 | 0.72 | -0.5±1 | 0.5 | 1.12 | <5 | 0.34779 | 3.00 | YES |
| | 2.44 | 0.387 | 1.09 | -0.5±1 | 0.5 | 1.12 | <5 | 0.35053 | 3.00 | YES |
| | 2.480 | -2.28 | 0.59 | -2±1 | -1 | 0.79 | <5 | 0.25018 | 3.00 | YES |

Conclusion:

For the max result : 0.35053W/Kg \leq 3.0 for 1g SAR, No SAR is required.



Signature:

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