

**FCC ID:2AB7K-A7733M**

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:

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

- f(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.

2.4G RF:

| 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       | 2.405               | -3.57                 | 0.44                 | -2.8±1              | -1.8                    | 0.66                   | <5            | 0.20492            | 3.00                    | YES                |
|            | 2.430               | -2.85                 | 0.52                 | -2.8±1              | -1.8                    | 0.66                   | <5            | 0.20598            | 3.00                    | YES                |
|            | 2.470               | -1.90                 | 0.64                 | -2.8±1              | -1.8                    | 0.66                   | <5            | 0.20767            | 3.00                    | YES                |

**Conclusion:**

For the max result : 0.20767W/Kg ≤ FCC Limit 3.0W/Kg for 1g SAR.

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**Signature:**

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