

**FCC ID:2A6LE-KS-S22**

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$  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

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

Antenna Type: PCB Antenna

Antenna Gain:0 dBi

BLE:

| Modulation | Channel Freq. (GHz) | Conduct ed power (dBm) | Conducte d 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 (1M)  | 2.402               | -6.62                  | 0.22                  | -6.5±1              | -5.5                    | 0.28                   | <5            | 0.08736            | 3.00                    | YES                |
|            | 2.440               | -7.54                  | 0.18                  | -7.5±1              | -6.5                    | 0.22                   | <5            | 0.06994            | 3.00                    | YES                |
|            | 2.480               | -9.13                  | 0.12                  | -9±1                | -8                      | 0.16                   | <5            | 0.04992            | 3.00                    | YES                |

**Conclusion:**

For the max result :  $0.08736 \leq 3.0$  for 1-g SAR, No SAR is required.

Date:



Signature:

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