

**FCC ID: 2AXP2-GK24**

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.

BLE:

| 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 |
|------------|---------------------|-----------------------|----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|-------------------------|--------------------|
| BLE(1M)    | 2.402               | -4.99                 | 0.32                 | -5±1                | -4                      | 0.40                   | <5            | 0.12340            | 3.00                    | YES                |
|            | 2.440               | -5.13                 | 0.31                 | -5±1                | -4                      | 0.40                   | <5            | 0.12437            | 3.00                    | YES                |
|            | 2.480               | -5.73                 | 0.27                 | -6±1                | -5                      | 0.32                   | <5            | 0.09960            | 3.00                    | YES                |
| BLE(2M)    | 2.402               | -4.97                 | 0.32                 | -5±1                | -4                      | 0.40                   | <5            | 0.12340            | 3.00                    | YES                |
|            | 2.440               | -5.14                 | 0.31                 | -5±1                | -4                      | 0.40                   | <5            | 0.12437            | 3.00                    | YES                |
|            | 2.480               | -5.72                 | 0.27                 | -6±1                | -5                      | 0.32                   | <5            | 0.09960            | 3.00                    | YES                |

SRD 2.4G

| 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       | 2.402               | -1.15                 | 0.77                 | -2±1                | -1                      | 0.79                   | <5            | 0.24622            | 3.00                    | YES                |
|            | 2.446               | -1.81                 | 0.66                 | -2±1                | -1                      | 0.79                   | <5            | 0.24846            | 3.00                    | YES                |
|            | 2.479               | -2.63                 | 0.55                 | -3±1                | -2                      | 0.63                   | <5            | 0.19869            | 3.00                    | YES                |

Note: This product does not support the requirements under 2.4G multiple sources.

**Conclusion:**

For the max result :  $0.24846 \leq 3.0$  for 1g SAR, SAR is not required.



**Signature:**

**Date:** 7/9/2024

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