

**FCC ID: 2A2DT-KY-11**

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.

**2.4G WIFI:**

| 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 |
|------------|---------------------|-----------------------|----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|-------------------------|--------------------|
| 802.11b    | 2.412               | 7.529                 | 5.66                 | 7.5±1               | 8.50                    | 7.08                   | <5            | 2.19897            | 3.00                    | YES                |
|            | 2.437               | 7.221                 | 5.27                 | 7.5±1               | 8.50                    | 7.08                   | <5            | 2.21260            | 3.00                    | YES                |
|            | 2.462               | 7.489                 | 5.61                 | 7.5±1               | 8.50                    | 7.08                   | <5            | 2.22164            | 3.00                    | YES                |

**Conclusion:**

For the max result :  $2.22164 \leq \text{FCC Limit } 3.0$  for 1g SAR.