

**FCC ID:2AXPW-MD050****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.

EDR:

| 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               | 4.234                 | 2.65                 | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98020            | 3.00                    | YES                |
|                  | 2.441               | 3.738                 | 2.36                 | 3±1                 | 4.00                    | 2.51                   | <5            | 0.78490            | 3.00                    | YES                |
|                  | 2.480               | 4.311                 | 2.70                 | 4±1                 | 5.00                    | 3.16                   | <5            | 0.99599            | 3.00                    | YES                |
| $\pi$<br>/4DQPSK | 2.402               | 4.963                 | 3.14                 | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98020            | 3.00                    | YES                |
|                  | 2.441               | 4.279                 | 2.68                 | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98813            | 3.00                    | YES                |
|                  | 2.480               | 4.836                 | 3.05                 | 4±1                 | 5.00                    | 3.16                   | <5            | 0.99599            | 3.00                    | YES                |

**Conclusion:**

For the max result :  $0.99599 \leq$  FCC Limit 3.0 for 1g SAR.