

**FCC ID: 2A5Y7-UM34C****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.

**EDR:**

| 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          | 2.402               | 3.699                  | 2.34                  | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98020            | 3.00                    | YES                |
|               | 2.441               | 3.638                  | 2.31                  | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98813            | 3.00                    | YES                |
|               | 2.480               | 2.765                  | 1.89                  | 3±1                 | 4.00                    | 2.51                   | <5            | 0.79114            | 3.00                    | YES                |
| $\pi/4$ DQPSK | 2.402               | 3.684                  | 2.34                  | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98020            | 3.00                    | YES                |
|               | 2.441               | 3.623                  | 2.30                  | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98813            | 3.00                    | YES                |
|               | 2.480               | 2.699                  | 1.86                  | 3±1                 | 4.00                    | 2.51                   | <5            | 0.79114            | 3.00                    | YES                |
| 8DPSK         | 2.402               | 3.88                   | 2.44                  | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98020            | 3.00                    | YES                |
|               | 2.441               | 3.797                  | 2.40                  | 4±1                 | 5.00                    | 3.16                   | <5            | 0.98813            | 3.00                    | YES                |
|               | 2.480               | 2.885                  | 1.94                  | 3±1                 | 4.00                    | 2.51                   | <5            | 0.79114            | 3.00                    | YES                |

**Conclusion:**

For the max result :  $0.98813\text{W/Kg} \leq \text{FCC Limit } 3.0$  for 1g SAR.

**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       | 2.402               | -1.947                 | 0.64                  | -1±1                | 0.00                    | 1.00                   | <5            | 0.30997            | 3.00                    | YES                |
|            | 2.44                | -1.92                  | 0.64                  | -1±1                | 0.00                    | 1.00                   | <5            | 0.31241            | 3.00                    | YES                |
|            | 2.480               | -1.918                 | 0.64                  | -1±1                | 0.00                    | 1.00                   | <5            | 0.31496            | 3.00                    | YES                |

**Conclusion:**

For the max result :  $0.31496\text{W/Kg} \leq \text{FCC Limit } 3.0$  for 1g SAR.

Note" the device could not support transmit with BT LE and BT EDR simultaneously;