

**FCC ID: 2A5DUYCC-SW4004**

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.

BT:

| 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               | 4.797                 | 3.02                 | 5±1                 | 6.00                    | 3.98                   | <5            | 1.23400            | 3.00                    | YES                |
|               | 2.441               | 5.371                 | 3.44                 | 6±1                 | 7.00                    | 5.01                   | <5            | 1.56608            | 3.00                    | YES                |
|               | 2.480               | 5.289                 | 3.38                 | 6±1                 | 7.00                    | 5.01                   | <5            | 1.57854            | 3.00                    | YES                |
| $\pi/4$ DQPSK | 2.402               | 4.933                 | 3.11                 | 5±1                 | 6.00                    | 3.98                   | <5            | 1.23400            | 3.00                    | YES                |
|               | 2.441               | 5.476                 | 3.53                 | 6±1                 | 7.00                    | 5.01                   | <5            | 1.56608            | 3.00                    | YES                |
|               | 2.480               | 4.864                 | 3.06                 | 5±1                 | 6.00                    | 3.98                   | <5            | 1.25388            | 3.00                    | YES                |
| 8DPSK         | 2.402               | 4.991                 | 3.16                 | 5±1                 | 6.00                    | 3.98                   | <5            | 1.23400            | 3.00                    | YES                |
|               | 2.441               | 5.554                 | 3.59                 | 6±1                 | 7.00                    | 5.01                   | <5            | 1.56608            | 3.00                    | YES                |
|               | 2.480               | 4.939                 | 3.12                 | 5±1                 | 6.00                    | 3.98                   | <5            | 1.25388            | 3.00                    | YES                |

**Conclusion:**

For the max result :1.57854W/Kg  $\leq$  FCC Limit 3.0 for 1g SAR.