

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 ≤ 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 ≤ 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 |
| π/4DQPSK | 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.