

FCC ID: 2BL65-131

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 ≤ 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) | 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 | 1.807 | 1.52 | 1 \pm 1 | 2.00 | 1.58 | <5 | 0.49127 | 3.00 | YES |
| | 2.441 | 2.108 | 1.62 | 2 \pm 1 | 3.00 | 2.00 | <5 | 0.62347 | 3.00 | YES |
| | 2.480 | 1.769 | 1.50 | 1 \pm 1 | 2.00 | 1.58 | <5 | 0.49918 | 3.00 | YES |
| π /4DQPSK | 2.402 | 2.529 | 1.79 | 2 \pm 1 | 3.00 | 2.00 | <5 | 0.61847 | 3.00 | YES |
| | 2.441 | 2.766 | 1.89 | 2 \pm 1 | 3.00 | 2.00 | <5 | 0.62347 | 3.00 | YES |
| | 2.480 | 2.376 | 1.73 | 2 \pm 1 | 3.00 | 2.00 | <5 | 0.62843 | 3.00 | YES |
| 8DQPSK | 2.402 | 2.846 | 1.93 | 2 \pm 1 | 3.00 | 2.00 | <5 | 0.61847 | 3.00 | YES |
| | 2.441 | 3.016 | 2.00 | 3 \pm 1 | 4.00 | 2.51 | <5 | 0.78490 | 3.00 | YES |
| | 2.480 | 2.53 | 1.79 | 2 \pm 1 | 3.00 | 2.00 | <5 | 0.62843 | 3.00 | YES |

Conclusion:

For the max result : $0.78490 \leq$ FCC Limit 3.0 for 1g SAR.