

FCC ID: 2AZ3Q-H01

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.

2.4G WIFI:

| 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 |
|------------|---------------------|-----------------------|----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|-------------------------|--------------------|
| 802.11b | 2.412 | 7.572 | 5.72 | 7.5±1 | 8.50 | 7.08 | <5 | 2.19897 | 3.00 | YES |
| | 2.442 | 7.679 | 5.86 | 7.5±1 | 8.50 | 7.08 | <5 | 2.21260 | 3.00 | YES |
| | 2.462 | 7.415 | 5.51 | 7.5±1 | 8.50 | 7.08 | <5 | 2.22164 | 3.00 | YES |

Conclusion:

For the max result: $2.22164 \leq$ FCC Limit 3.0 for 1g SAR.