

FCC ID: 2AZHB-U0010B**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.

WIFI:

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
802.11b	2.412	7.669	5.85	7.5±1	8.50	7.08	<5	2.19897	3.00	YES
	2.437	7.318	5.39	7.5±1	8.50	7.08	<5	2.21033	3.00	YES
	2.462	6.999	5.01	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	6.523	4.49	6.5±1	7.50	5.62	<5	1.74670	3.00	YES
	2.437	6.411	4.38	6.5±1	7.50	5.62	<5	1.75573	3.00	YES
	2.462	6.132	4.10	6.5±1	7.50	5.62	<5	1.76471	3.00	YES
802.11n(HT20)	2.412	5.71	3.72	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	5.267	3.36	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	5.119	3.25	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11n(HT40)	2.422	3.865	2.44	4±1	5.00	3.16	<5	0.98428	3.00	YES
	2.437	3.729	2.36	4±1	5.00	3.16	<5	0.98732	3.00	YES
	2.452	3.224	2.10	4±1	5.00	3.16	<5	0.99035	3.00	YES

Conclusion:

For the max result : $2.21033 \leq \text{FCC Limit } 3.0$ for 1g SAR.