FCC ID: 2A42UAYD-H001

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:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHZ)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- f(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.

2.4wifi:

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	7.11	5.14	7.5±0.5	8.00	6.31	<5	1.95983	3.00	YES
	2.44	7.33	5.41	7.5±0.5	8.00	6.31	<5	1.97117	3.00	YES
	2.462	7.17	5.21	7.5±0.5	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	6.61	4.58	7±0.5	7.50	5.62	<5	1.74670	3.00	YES
	2.44	6.69	4.67	7±0.5	7.50	5.62	<5	1.75681	3.00	YES
	2.462	6.82	4.81	7±0.5	7.50	5.62	<5	1.76471	3.00	YES
802.11n(HT20)	2.412	6.11	4.08	6.5±0.5	7.00	5.01	<5	1.55675	3.00	YES
	2.44	6.55	4.52	7±0.5	7.50	5.62	<5	1.75681	3.00	YES
	2.462	6.35	4.32	6.5±0.5	7.00	5.01	<5	1.57280	3.00	YES
802.11N(HT40)	2.412	5.75	3.76	6.0±0.5	6.50	4.47	<5	1.38745	3.00	YES
	2.44	5.61	3.64	6.0±0.5	6.50	4.47	<5	1.39548	3.00	YES
	2.462	5.71	3.72	6.0±0.5	6.50	4.47	<5	1.40176	3.00	YES

Conclusion:
For the max result : 1.98004W/Kg ≤ FCC Limit 3.0 for 1g SAR.