

**FCC ID: 2BDAQ-K1**

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  $\leq 7.5$  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.

2.4GWIFI:

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 calculatio n	SAR Exclusion threshold	SAR test exclusion
802.11b	2.412	7.96	6.25	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	8.047	6.38	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	7.994	6.30	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	6.816	4.80	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	6.996	5.01	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.73	4.71	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11n(HT20)	2.412	6.363	4.33	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	6.439	4.40	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.611	4.58	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11n(HT40)	2.422	6.322	4.29	6±1	7.00	5.01	<5	1.55997	3.00	YES
	2.437	6.454	4.42	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.452	6.282	4.25	6±1	7.00	5.01	<5	1.56960	3.00	YES

**Conclusion:**

For the max result :  $2.48003 \leq$  FCC Limit 3.0 for 1g SAR.