

**FCC ID: 2AYJD-DZ07**

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.

## 2.4G 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	7.521	5.65	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.442	7.646	5.82	8±1	9.00	7.94	<5	2.48258	3.00	YES
	2.462	7.542	5.68	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11g	2.412	6.687	4.66	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.442	6.1	4.07	7±1	8.00	6.31	<5	1.97198	3.00	YES
	2.462	6.817	4.81	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n(HT20)	2.412	6.656	4.63	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.442	5.411	3.48	6±1	7.00	5.01	<5	1.56640	3.00	YES
	2.462	5.408	3.47	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11n(HT40)	2.412	3.433	2.20	4±1	5.00	3.16	<5	0.98224	3.00	YES
	2.442	3.843	2.42	4±1	5.00	3.16	<5	0.98833	3.00	YES
	2.462	3.528	2.25	4±1	5.00	3.16	<5	0.99237	3.00	YES

**Conclusion:**

For the max result :  $2.49272 \leq \text{FCC Limit } 3.0$  for 1g SAR.