

FCC ID: 2ADQY-525558**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.

2.4G 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	7.17	5.21	6.9±1	7.90	6.17	<5	1.91522	3.00	YES
	2.442	7.42	5.52	6.9±1	7.90	6.17	<5	1.92709	3.00	YES
	2.462	7.64	5.81	6.9±1	7.90	6.17	<5	1.93497	3.00	YES

5.1G 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
802.11a	5.18	7.64	5.81	6.9±1	7.90	6.17	<5	2.80669	3.00	YES
	5.2	7.69	5.87	6.9±1	7.90	6.17	<5	2.81211	3.00	YES
	5.24	7.39	5.48	6.9±1	7.90	6.17	<5	2.82290	3.00	YES

5.8G 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
802.11a	5.745	7.64	5.81	6.9±1	7.90	6.17	<5	2.95580	3.00	YES
	5.785	7.51	5.64	6.9±1	7.90	6.17	<5	2.96607	3.00	YES
	5.825	7.19	5.24	6.9±1	7.90	6.17	<5	2.97631	3.00	YES

Conclusion:

For the max result : $2.98631\text{W/Kg} \leq \text{FCC Limit } 3.0$ for 1g SAR.