

FCC ID: 2ALN9-T48

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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where:}$

- $f(\text{GHz})$ 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	8.17	6.55	8 \pm 1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.01	6.32	8 \pm 1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.97	7.89	8 \pm 1	9.00	7.94	<5	2.49272	3.00	YES
802.11g	2.412	7.63	5.79	7 \pm 1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.79	6.01	7 \pm 1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.81	6.04	7 \pm 1	8.00	6.31	<5	1.98004	3.00	YES
802.11n20	2.412	7.21	5.25	7 \pm 1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.02	5.03	7 \pm 1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.00	5.01	7 \pm 1	8.00	6.31	<5	1.98004	3.00	YES

Conclusion:

For the max result : $2.49272 \text{ W/Kg} \leq \text{FCC Limit } 3.0 \text{ for 1g SAR.}$
The Product unsupported at the same time to Transmitting.