

FCC ID: 2ACKF-SL3501

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:

Antenna Type: Internal Antenna

Antenna Gain: 0dBi

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	1g SAR Exclusion threshold	SAR test exclusion
802.11b	2.412	8.42	6.950	8±1	9.0	7.943	<5	2.46728	3.00	YES
	2.437	8.1	6.457	8±1	9.0	7.943	<5	2.48003	3.00	YES
	2.462	7.23	5.284	8±1	9.0	7.943	<5	2.49272	3.00	YES
802.11g	2.412	7.86	6.109	7±1	8.0	6.310	<5	1.95983	3.00	YES
	2.437	7.41	5.508	7±1	8.0	6.310	<5	1.96996	3.00	YES
	2.462	7.74	5.943	7±1	8.0	6.310	<5	1.98004	3.00	YES
802.11n20	2.412	7.79	6.012	7±1	8.0	6.310	<5	1.95983	3.00	YES
	2.437	7.5	5.623	7±1	8.0	6.310	<5	1.96996	3.00	YES
	2.462	7.54	5.675	7±1	8.0	6.310	<5	1.98004	3.00	YES
802.11n40	2.422	6.86	4.853	6±1	7.0	5.012	<5	1.55997	3.00	YES
	2.437	6.94	4.943	6±1	7.0	5.012	<5	1.56480	3.00	YES
	2.452	6.77	4.753	6±1	7.0	5.012	<5	1.56960	3.00	YES

Conclusion:

For the max result : $2.49272 \leq 3.0$ for 1-g SAR, No SAR is required.