

FCC ID:2BBGN-NVC200

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.

5GWIFI:

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	7.254	5.31	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	7.205	5.25	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.24	7.499	5.62	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11ac 20	5.18	7.512	5.64	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	7.792	6.01	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.24	7.937	6.22	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11ac 40	5.19	7.231	5.29	7±1	8.00	6.31	<5	2.87484	3.00	YES
	5.23	7.277	5.34	7±1	8.00	6.31	<5	2.88590	3.00	YES
802.11ac80	5.21	7.544	5.68	7±1	8.00	6.31	<5	2.88037	3.00	YES
802.11n(HT20)	5.18	7.938	6.22	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	6.972	4.98	6±1	7.00	5.01	<5	2.28577	3.00	YES
	5.24	7.366	5.45	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11n(HT40)	5.19	7.679	5.86	7±1	8.00	6.31	<5	2.87484	3.00	YES
	5.23	7.661	5.84	7±1	8.00	6.31	<5	2.88590	3.00	YES

Conclusion:

For the max result : $2.88865 \leq \text{FCC Limit } 3.0$ for 1g SAR.