

**FCC ID:2BBGN-NVC300**

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.

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	7.184	5.23	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	7.463	5.58	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.24	7.502	5.63	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11ac 20	5.18	6.613	4.58	6±1	7.00	5.01	<5	2.28137	3.00	YES
	5.2	6.826	4.82	6±1	7.00	5.01	<5	2.28577	3.00	YES
	5.24	6.957	4.96	6±1	7.00	5.01	<5	2.29454	3.00	YES
802.11ac 40	5.19	7.533	5.67	7±1	8.00	6.31	<5	2.87484	3.00	YES
	5.23	7.668	5.85	7±1	8.00	6.31	<5	2.88590	3.00	YES
802.11ac80	5.21	7.142	5.18	7±1	8.00	6.31	<5	2.88037	3.00	YES
802.11n(HT20)	5.18	7.16	5.20	7±1	8.00	6.31	<5	2.87207	3.00	YES
	5.2	7.245	5.30	7±1	8.00	6.31	<5	2.87761	3.00	YES
	5.24	7.447	5.56	7±1	8.00	6.31	<5	2.88865	3.00	YES
802.11n(HT40)	5.19	7.486	5.61	7±1	8.00	6.31	<5	2.87484	3.00	YES
	5.23	7.61	5.77	7±1	8.00	6.31	<5	2.88590	3.00	YES

**Conclusion:**

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