

FCC ID:2BLLR-ONE
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.

BLE:

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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK 1Mbps	2.402	1.65	1.46	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.440	1.69	1.48	2±1	3.00	2.00	<5	0.62334	3.00	YES
	2.480	2.55	1.80	3±1	4.00	2.51	<5	0.79114	3.00	YES
GFSK 2Mbps	2.402	1.66	1.47	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.440	1.67	1.47	2±1	3.00	2.00	<5	0.62334	3.00	YES
	2.480	2.53	1.79	3±1	4.00	2.51	<5	0.79114	3.00	YES

WIFI:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Condu cte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distan ce (mm)	Result calculati o n	SAR Excl usio n thres hold	SAR test excl usio n
802.11 B	2412	6.78	4.76	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2437	6.98	4.99	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2462	6.85	4.84	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11 G	2412	6.12	4.09	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2437	6.45	4.42	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2462	6.26	4.23	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11 N20	2412	5.98	3.96	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2437	5.99	3.97	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2462	5.77	3.78	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11 N40	2422	5.66	3.68	6±1	7.00	5.01	<5	1.55997	3.00	YES
	2437	5.78	3.78	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2452	5.67	3.69	6±1	7.00	5.01	<5	1.56960	3.00	YES

Conclusion:

For the max result : 1.98004 W/Kg $\leq$ FCC Limit 3.0 for 1g SAR.

The Product unsupported at the same time to Transmitting.