

FCC ID: 2BOOZ-NMP01A

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:1M

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
GFSK	2.402	0.496	1.12	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.44	1.303	1.35	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	0.174	1.04	0±1	1.00	1.26	<5	0.39651	3.00	YES

BLE:2M

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
GFSK	2.402	1.063	1.28	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	1.327	1.36	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	0.648	1.16	0±1	1.00	1.26	<5	0.39651	3.00	YES

2.4GWIFI:

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
802.11b	2.412	7.386	5.48	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.443	5.55	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.216	5.27	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	7.27	5.33	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.651	5.82	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.512	5.64	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n(HT20)	2.412	7.761	5.97	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.917	6.19	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.759	5.97	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n(HT40)	2.422	7.645	5.81	7±1	8.00	6.31	<5	1.96389	3.00	YES
	2.437	7.614	5.77	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.452	7.557	5.70	7±1	8.00	6.31	<5	1.97601	3.00	YES
802.11ax(HE20)	2.412	7.894	6.16	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.991	6.30	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.52	5.65	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11ax(HE40)	2.422	7.588	5.74	7±1	8.00	6.31	<5	1.96389	3.00	YES
	2.437	7.552	5.69	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.452	7.439	5.54	7±1	8.00	6.31	<5	1.97601	3.00	YES

Conclusion:

For the max result : 1.98004≤ FCC Limit 3.0 for 1g SAR.