

FCC ID:2BOOZ-NOTTA

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	6.911	4.91	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	6.775	4.76	6±1	7.00	5.01	<5	1.56576	3.00	YES
	2.480	5.729	3.74	5±1	6.00	3.98	<5	1.25388	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	6.891	4.89	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	6.726	4.71	6±1	7.00	5.01	<5	1.56576	3.00	YES
	2.480	5.692	3.71	5±1	6.00	3.98	<5	1.25388	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	7.017	5.03	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.261	5.32	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.223	5.28	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	6.416	4.38	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	6.675	4.65	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.633	4.61	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11n(HT20)	2.412	6.224	4.19	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	6.438	4.40	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.45	4.42	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11n(HT40)	2.422	6.628	4.60	6±1	7.00	5.01	<5	1.55997	3.00	YES
	2.437	6.732	4.71	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.452	6.755	4.74	6±1	7.00	5.01	<5	1.56960	3.00	YES

Conclusion:

For the max result : $1.98004 \leq \text{FCC Limit } 3.0$ for 1g SAR.