

FCC ID:2BHVQ-SODA

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.

BT:

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	-14.99	0.03	-14±1	-13.00	0.05	<5	0.01554	3.00	YES
	2.441	-13.69	0.04	-13±1	-12.00	0.06	<5	0.01972	3.00	YES
	2.480	-14.03	0.04	-14±1	-14.00	0.04	<5	0.01254	3.00	YES

SRD 2.4G:

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	2402	-0.82	0.83	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2446	-0.71	0.85	0±1	1.00	1.26	<5	0.39378	3.00	YES
	2479	-1.18	0.76	-1±1	0.00	1.00	<5	0.31490	3.00	YES

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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK 1Mbps	2.402	-16.06	0.02	-16±1	-15.00	0.03	<5	0.00980	3.00	YES
	2.44	-13.75	0.04	-13±1	-12.00	0.06	<5	0.01971	3.00	YES
	2.480	-11.72	0.07	-11±1	-10.00	0.10	<5	0.03150	3.00	YES

Conclusion:

For the max result : 0.39378 W/Kg $\leq$ FCC Limit 3.0 for 1g SAR.

The Product unsupported at the same time to Transmitting.