

FCC ID: 2AXP2-GK28

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)	Conducted power (dBm)	Conducted 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
BLE(1M)	2.402	-5.08	0.31	-5 \pm 1	-4	0.40	<5	0.12340	3.00	YES
	2.440	-5.15	0.31	-5 \pm 1	-4	0.40	<5	0.12437	3.00	YES
	2.480	-5.78	0.26	-5 \pm 1	-4	0.40	<5	0.12539	3.00	YES
BLE(2M)	2.402	-5.07	0.31	-5 \pm 1	-4	0.40	<5	0.12340	3.00	YES
	2.440	-5.16	0.30	-5 \pm 1	-4	0.40	<5	0.12437	3.00	YES
	2.480	-5.76	0.27	-5 \pm 1	-4	0.40	<5	0.12539	3.00	YES

SRD 2.4G

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted 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	-1.04	0.79	-2 \pm 1	-1	0.79	<5	0.24622	3.00	YES
	2.446	-2.08	0.62	-2 \pm 1	-1	0.79	<5	0.24846	3.00	YES
	2.479	-2.6	0.55	-2 \pm 1	-1	0.79	<5	0.25013	3.00	YES

Note: This product does not support the requirements under 2.4G multiple sources.

Conclusion:

For the max result : $0.25013 \leq 3.0$ for 1g SAR, SAR is not required.

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Signature:

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