

FCC ID: 2AMKE-BE31

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt[4]{f(\text{GHz})}] \leq 3.0$ 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

Operation Frequency: 2402-2480MHz,
Modulation: GFSK, $\pi/4$ DQPSK, 8DPSK
Antenna Type: Ceramic antenna
Antenna gain: 2.01dBi;

BLE

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Modulation: GFSK
Antenna Type: Ceramic antenna
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Modulation	Channel Freq. (GHz)	Max Conducted Power (dBm)	Tune-up power (dBm)	Max tune-up power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	Result
Bluetooth (1-DH5)	2.402	-0.34	0 $\pm$ 1	1	2.01	3.01	2.00	<5	0.61989	3.00	Pass
	2.441	0.48	0 $\pm$ 1	1	2.01	3.01	2.00	<5	0.62490	3.00	Pass
	2.480	0.74	0 $\pm$ 1	1	2.01	3.01	2.00	<5	0.62988	3.00	Pass
Bluetooth (2-DH5)	2.402	-1.97	-1 $\pm$ 1	0	2.01	2.01	1.59	<5	0.49240	3.00	Pass
	2.441	-1.22	-1 $\pm$ 1	0	2.01	2.01	1.59	<5	0.49638	3.00	Pass
	2.480	-0.84	-1 $\pm$ 1	0	2.01	2.01	1.59	<5	0.50033	3.00	Pass
Bluetooth (2-DH5)	2.402	-1.22	-1 $\pm$ 1	0	2.01	2.01	1.59	<5	0.49240	3.00	Pass
	2.441	-0.5	-1 $\pm$ 1	0	2.01	2.01	1.59	<5	0.49638	3.00	Pass
	2.480	-0.16	-1 $\pm$ 1	0	2.01	2.01	1.59	<5	0.50033	3.00	Pass
Bluetooth LE (1 Mbps)	2.402	-4.99	-4 $\pm$ 1	-3	2.01	-0.99	0.80	<5	0.24678	3.00	Pass
	2.440	-4.21	-4 $\pm$ 1	-3	2.01	-0.99	0.80	<5	0.24873	3.00	Pass
	2.480	-4.03	-4 $\pm$ 1	-3	2.01	-0.99	0.80	<5	0.25076	3.00	Pass

Conclusion:

For the max result: $0.62988 \leq 3.0$ for 1g SAR, SAR is not required.

Signature:

Alex Li

Date: 2026-08-17

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