

FCC ID: 2AVD6-DONGLE

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 \leq 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

1Mbps

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	4.574	2.87	4 \pm 1	5	3.16	<5	0.98020	3.00	YES
	2.440	3.888	2.45	4 \pm 1	5	3.16	<5	0.98793	3.00	YES
	2.480	3.963	2.49	4 \pm 1	5	3.16	<5	0.99599	3.00	YES

2Mbps

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	2.458	1.76	3 \pm 1	4	2.51	<5	0.77860	3.00	YES
	2.440	2.901	1.95	3 \pm 1	4	2.51	<5	0.78474	3.00	YES
	2.480	2.177	1.65	3 \pm 1	4	2.51	<5	0.79114	3.00	YES

Conclusion:

For the max result : $0.99599 \leq 3.0$ for 1g SAR, No SAR is required.



Signature:

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