

FCC ID: 2ABYN020

Portable device

According to §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 where:

- f(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.

Antenna Type : PCB antenna

Antenna Gain: 0 dBi

Group A

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 calculatio n	1g SAR Exclusion threshold	SAR test exclusion
GFSK	0.5146	-4.855	0.327	-4±1	-3	0.501	<5	0.07190	3.00	YES
	0.5244	-3.576	0.439	-4±1	-3	0.501	<5	0.07259	3.00	YES
	0.5338	-3.519	0.445	-4±1	-3	0.501	<5	0.07324	3.00	YES

Group B

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 calculatio n	1g SAR Exclusion threshold	SAR test exclusion
GFSK	0.5366	-3.591	0.437	-4±1	-5	0.316	<5	0.04633	3.00	YES
	0.5445	-4.436	0.360	-4±1	-5	0.316	<5	0.04667	3.00	YES
	0.5957	-5.623	0.274	-5±1	-6	0.251	<5	0.03877	3.00	YES

Conclusion:

For the max result : $0.03877 \leq 3.0$ for 1-g SAR, No SAR is required.

Signature:

Date: 2021-01-07



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