

FCC ID: VLJ-SH039

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: Left

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-3.932	0.40	-4.9±1	-3.9	0.41	<5	0.12627	3.00	YES
	2.441	-4.711	0.34	-4.9±1	-3.9	0.41	<5	0.12730	3.00	YES
	2.480	-5.68	0.27	-4.9±1	-3.9	0.41	<5	0.12831	3.00	YES
$\pi/4$ -DQPSK	2.402	-4.063	0.39	-4.8±1	-3.8	0.42	<5	0.12922	3.00	YES
	2.441	-4.834	0.33	-4.8±1	-3.8	0.42	<5	0.13026	3.00	YES
	2.480	-5.726	0.27	-4.8±1	-3.8	0.42	<5	0.13130	3.00	YES
8-DPSK	2.402	-4.081	0.39	-4.7±1	-3.7	0.43	<5	0.13223	3.00	YES
	2.441	-4.791	0.33	-4.7±1	-3.7	0.43	<5	0.13330	3.00	YES
	2.480	-5.677	0.27	-4.7±1	-3.7	0.43	<5	0.13436	3.00	YES

BLE:Left

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-3.759	0.42	-3±1	-2	0.63	<5	0.19558	3.00	YES
	2.440	-5.405	0.29	-5±1	-4	0.40	<5	0.12437	3.00	YES
	2.480	-6.593	0.22	-5±1	-4	0.40	<5	0.12539	3.00	YES

BT: Right

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-3.889	0.41	-4.7±1	-3.7	0.43	<5	0.13223	3.00	YES
	2.441	-4.73	0.34	-4.7±1	-3.7	0.43	<5	0.13330	3.00	YES
	2.480	-5.671	0.27	-4.7±1	-3.7	0.43	<5	0.13436	3.00	YES
π/4-DQPSK	2.402	-4.077	0.39	-4.8±1	-3.8	0.42	<5	0.12922	3.00	YES
	2.441	-4.861	0.33	-4.8±1	-3.8	0.42	<5	0.13026	3.00	YES
	2.480	-5.743	0.27	-4.8±1	-3.8	0.42	<5	0.13130	3.00	YES
8-DPSK	2.402	-4.044	0.39	-4.7±1	-3.7	0.43	<5	0.13223	3.00	YES
	2.441	-4.751	0.33	-4.7±1	-3.7	0.43	<5	0.13330	3.00	YES
	2.480	-5.695	0.27	-4.7±1	-3.7	0.43	<5	0.13436	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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-4.5	0.35	-4±1	-3	0.50	<5	0.15535	3.00	YES
	2.440	-5.427	0.29	-5.8±1	-4.8	0.33	<5	0.10345	3.00	YES
	2.480	-6.711	0.21	-5.8±1	-4.8	0.33	<5	0.10429	3.00	YES

Conclusion:

For the max result : $0.19558 \leq 3.0$ for 1g SAR, No SAR is required.

ALEX LI

Signature:

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