

FCC ID: 2AJOT-BH405

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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	3.49	2.23	2.5±1	3.5	2.24	<5	0.69393	3.00	YES
	2.441	3.32	2.15	2.5±1	3.5	2.24	<5	0.69954	3.00	YES
	2.480	1.80	1.51	2.5±1	3.5	2.24	<5	0.70511	3.00	YES
π/4-DQPSK	2.402	5.16	3.28	5.5±1	6.5	4.47	<5	1.38458	3.00	YES
	2.441	5.75	3.76	5.5±1	6.5	4.47	<5	1.39577	3.00	YES
	2.480	4.41	2.76	5.5±1	6.5	4.47	<5	1.40688	3.00	YES
8-DPSK	2.402	5.29	3.38	5.5±1	6.5	4.47	<5	1.38458	3.00	YES
	2.441	6.16	4.13	5.5±1	6.5	4.47	<5	1.39577	3.00	YES
	2.480	4.93	3.11	5.5±1	6.5	4.47	<5	1.40688	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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK (1M)	2.402	0.278	1.07	1±1	2	1.58	<5	0.49127	3.00	YES
	2.440	0.002	1.00	1±1	2	1.58	<5	0.49514	3.00	YES
	2.480	1.848	1.53	1±1	2	1.58	<5	0.49918	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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	3.44	2.21	2.5±1	3.5	2.24	<5	0.69393	3.00	YES
	2.441	2.92	1.96	2.5±1	3.5	2.24	<5	0.69954	3.00	YES
	2.480	1.41	1.38	2.5±1	3.5	2.24	<5	0.70511	3.00	YES
π/4-DQPSK	2.402	6.22	4.19	5.5±1	6.5	4.47	<5	1.38458	3.00	YES
	2.441	5.71	3.72	5.5±1	6.5	4.47	<5	1.39577	3.00	YES
	2.480	4.49	2.81	5.5±1	6.5	4.47	<5	1.40688	3.00	YES
8-DPSK	2.402	5.77	3.78	5.5±1	6.5	4.47	<5	1.38458	3.00	YES
	2.441	6.17	4.14	5.5±1	6.5	4.47	<5	1.39577	3.00	YES
	2.480	4.85	3.05	5.5±1	6.5	4.47	<5	1.40688	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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK (1M)	2.402	0.314	1.07	1±1	2	1.58	<5	0.49127	3.00	YES
	2.440	0.208	1.05	1±1	2	1.58	<5	0.49514	3.00	YES
	2.480	1.93	1.56	1±1	2	1.58	<5	0.49918	3.00	YES

Conclusion:

For the max result : $1.40688 \leq 3.0$ for 1g SAR, No SAR is required.



Signature:

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