

Vice City Audio LLC

FCC ID: 2BNGG-CREATORMIC

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.

2.4GHz:

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	0.315	1.08	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	0.524	1.13	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	1.64	1.46	1±1	2.00	1.58	<5	0.49918	3.00	YES

EDR:

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	5.814	3.81	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	5.621	3.65	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	4.784	3.01	5±1	6.00	3.98	<5	1.25388	3.00	YES
π /4DQPSK	2.402	7.693	5.88	8±1	9.00	7.94	<5	2.46216	3.00	YES
	2.441	7.472	5.59	8±1	9.00	7.94	<5	2.48207	3.00	YES
	2.480	6.573	4.54	7±1	8.00	6.31	<5	1.98727	3.00	YES
8DQPSK	2.402	7.8	6.03	8±1	9.00	7.94	<5	2.46216	3.00	YES
	2.441	7.734	5.93	8±1	9.00	7.94	<5	2.48207	3.00	YES
	2.480	7.018	5.03	8±1	9.00	7.94	<5	2.50182	3.00	YES

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BLE 1M:

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	3.066	2.03	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.44	2.738	1.88	3±1	4.00	2.51	<5	0.78474	3.00	YES
	2.480	1.937	1.56	2±1	3.00	2.00	<5	0.62843	3.00	YES

BLE 2M:

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	2.991	1.99	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.44	2.669	1.85	3±1	4.00	2.51	<5	0.78474	3.00	YES
	2.480	1.856	1.53	2±1	3.00	2.00	<5	0.62843	3.00	YES

Conclusion:

For the max result : $2.50182 \leq \text{FCC Limit } 3.0$ for 1g SAR.