

**FCC ID: 2ALVB-S5001**

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  $\leq 7.5$  for 10-g extremity 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.

BT:

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	6.6	4.57	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	6.32	4.29	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	6.12	4.09	6±1	7.00	5.01	<5	1.57854	3.00	YES
π/4-DQPSK	2.402	4.37	2.74	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.53	3.57	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.41	3.48	5±1	6.00	3.98	<5	1.25388	3.00	YES
8DPSK	2.402	4.95	3.13	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	4.6	2.88	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	4.35	2.72	4±1	5.00	3.16	<5	0.99599	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	2.402	5.03	3.18	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.440	5.04	3.19	5±1	6.00	3.98	<5	1.24373	3.00	YES
	2.480	5.11	3.24	5±1	6.00	3.98	<5	1.25388	3.00	YES

**Conclusion:**

For the max result : 1.57854W/Kg ≤ 3.0 for 1g SAR, No SAR is required.

*Jason chen*

**Signature:**

**Date:** 2017-04-22

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