

FCC ID: 2ABNJ-BV160

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(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:

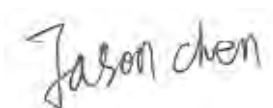
Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculatio n	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	2.677	1.852	3±1	4	2.512	<5	0.77860	3.00	YES
	2.441	3.275	2.126	3±1	4	2.512	<5	0.78490	3.00	YES
	2.480	3.801	2.399	3±1	4	2.512	<5	0.79114	3.00	YES
π/4-DQPSK	2.402	1.064	1.278	2±1	3	1.995	<5	0.61847	3.00	YES
	2.441	1.813	1.518	2±1	3	1.995	<5	0.62347	3.00	YES
	2.480	2.224	1.669	2±1	3	1.995	<5	0.62843	3.00	YES
8DPSK	2.402	1.179	1.312	2±1	3	1.995	<5	0.61847	3.00	YES
	2.441	1.858	1.534	2±1	3	1.995	<5	0.62347	3.00	YES
	2.480	2.405	1.740	2±1	3	1.995	<5	0.62843	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	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-0.974	0.799	0±1	1	1.259	<5	0.39023	3.00	YES
	2.44	-0.512	0.889	0±1	1	1.259	<5	0.39330	3.00	YES
	2.480	0.028	1.006	0±1	1	1.259	<5	0.39651	3.00	YES

Conclusion:

For the max result : $0.79114 \leq 3.0$ for 1-g SAR, No SAR is required.

A handwritten signature in black ink that reads "Jason Chen". The signature is written in a cursive, slightly slanted style.

Signature:

Date: 2017-02-15

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