

FCC ID: 2AF7A-A10

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.

BR+EDR:

Antenna Type :PCB Antenna

Antenna Gain: -0.5 dBi

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	-3.42	0.455	-2±1	-1	0.794	<5	0.24622	3.00	YES
	2.441	-1.61	0.690	-1±1	0	1.000	<5	0.31247	3.00	YES
	2.480	-0.3	0.933	-1±1	0	1.000	<5	0.31496	3.00	YES
π/4-DQPSK	2.402	-0.68	0.855	-1±1	0	1.000	<5	0.30997	3.00	YES
	2.441	0.76	1.191	1.5±1	2.5	1.778	<5	0.55567	3.00	YES
	2.480	2.24	1.675	1.5±1	2.5	1.778	<5	0.56009	3.00	YES
8DPSK	2.402	-0.43	0.906	-1±1	0	1.000	<5	0.30997	3.00	YES
	2.441	1.33	1.358	2±1	3	1.995	<5	0.62347	3.00	YES
	2.480	2.74	1.879	2±1	3	1.995	<5	0.62843	3.00	YES

BLE:

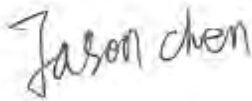
Antenna Type :PCB Antenna

Antenna Gain: -0.5 dBi

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	-3.66	0.431	-3±1	-2	0.631	<5	0.19558	3.00	YES
	2.44	-1.75	0.668	-1±1	0	1.000	<5	0.31241	3.00	YES
	2.480	-0.04	0.991	-1±1	0	1.000	<5	0.31496	3.00	YES

Conclusion:

For the max result : $0.62843 \leq 3.0$ for 1-g SAR, No SAR is required.



Signature:

Date: 2017-09-06

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