

FCC ID: 2ANZ7-K50

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.

BR+EDR:

Antenna Type : PCB Antenna

Antenna Gain: -3 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 calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-2.36	0.581	-2±1	-1.00	0.794	<5	0.24622	3.00	YES
	2.441	-1.80	0.661	-2±1	-1.00	0.794	<5	0.24821	3.00	YES
	2.480	-1.56	0.698	-2±1	-1.00	0.794	<5	0.25018	3.00	YES
π/4-DQPSK	2.402	-2.28	0.592	-2±1	-1.00	0.794	<5	0.24622	3.00	YES
	2.441	-1.68	0.679	-2±1	-1.00	0.794	<5	0.24821	3.00	YES
	2.480	-1.38	0.728	-2±1	-1.00	0.794	<5	0.25018	3.00	YES
8DPSK	2.402	-2.21	0.601	-2±1	-1.00	0.794	<5	0.24622	3.00	YES
	2.441	-1.67	0.681	-2±1	-1.00	0.794	<5	0.24821	3.00	YES
	2.480	-1.46	0.714	-2±1	-1.00	0.794	<5	0.25018	3.00	YES

BLE:

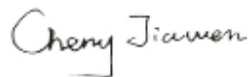
Antenna Type : PCB Antenna

Antenna Gain: -3 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 calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-4.00	0.398	-4±1	-3.00	0.501	<5	0.15535	3.00	YES
	2.440	-3.46	0.451	-4±1	-3.00	0.501	<5	0.15658	3.00	YES
	2.480	-3.21	0.478	-4±1	-3.00	0.501	<5	0.15785	3.00	YES

Conclusion:

For the max result : $0.25018 \leq 3.0$ for 1-g SAR, SAR is not required.



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Signature:

Date: 2017-10-31

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