

FCC ID: 2A3AG-BTD-S1

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:

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	-0.243	0.95	0±1	1	1.26	<5	0.39023	3.00	YES
	2.441	-0.492	0.89	0±1	1	1.26	<5	0.39338	3.00	YES
	2.480	-0.545	0.88	0±1	1	1.26	<5	0.39651	3.00	YES
$\pi/4$ -DQPSK	2.402	-2.759	0.53	-2±1	-1	0.79	<5	0.24622	3.00	YES
	2.441	-1.502	0.71	-2±1	-1	0.79	<5	0.24821	3.00	YES
	2.480	-2.196	0.60	-2±1	-1	0.79	<5	0.25018	3.00	YES
8-DQPSK	2.402	-2.379	0.58	-2±1	-1	0.79	<5	0.24622	3.00	YES
	2.441	-2.459	0.57	-2±1	-1	0.79	<5	0.24821	3.00	YES
	2.480	-1.76	0.67	-2±1	-1	0.79	<5	0.25018	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	2.127	1.63	3±1	4	2.51	<5	0.77860	3.00	YES
	2.440	2.381	1.73	3±1	4	2.51	<5	0.78474	3.00	YES
	2.480	3.011	2.00	3±1	4	2.51	<5	0.79114	3.00	YES

Conclusion:

For the max result : $0.79114 \leq 3.0$ for 1g SAR, SAR is not required.



Signature:

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