

FCC ID: 2A3T9-DC-01**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.

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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-1.581	0.69	-1.5±1	-0.50	0.89	<5	0.27626	3.00	YES
	2.441	-0.807	0.83	-1.5±1	-0.50	0.89	<5	0.27849	3.00	YES
	2.480	-2.24	0.60	-1.5±1	-0.50	0.89	<5	0.28071	3.00	YES
Pi/4 DQPSK	2.402	-2.623	0.55	-2.5±1	-1.50	0.71	<5	0.21944	3.00	YES
	2.441	-1.713	0.67	-2.5±1	-1.50	0.71	<5	0.22121	3.00	YES
	2.480	-3.404	0.46	-2.5±1	-1.50	0.71	<5	0.22297	3.00	YES
8DPSK	2.402	-2.486	0.56	-2.5±1	-1.50	0.71	<5	0.21944	3.00	YES
	2.441	-1.626	0.69	-2.5±1	-1.50	0.71	<5	0.22121	3.00	YES
	2.480	-3.194	0.48	-2.5±1	-1.50	0.71	<5	0.22297	3.00	YES

Conclusion:

For the max result : $0.28071 \leq \text{FCC Limit } 3.0$ for 1g SAR.

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	1.031	1.27	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	1.722	1.49	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	1.087	1.28	1±1	2.00	1.58	<5	0.49918	3.00	YES

Conclusion:

For the max result : $0.49918 \leq \text{FCC Limit } 3.0$ for 1g SAR.