

FCC ID: 2A3T8BM-TS41**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.

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	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	5.16	3.28	6 $\pm$ 1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	3.887	2.45	4 $\pm$ 1	5.00	3.16	<5	0.98793	3.00	YES
	2.480	3.596	2.29	4 $\pm$ 1	5.00	3.16	<5	0.99599	3.00	YES
Pi/4 DQPSK	2.402	4.907	3.10	5 $\pm$ 1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	3.606	2.29	4 $\pm$ 1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	3.257	2.12	4 $\pm$ 1	5.00	3.16	<5	0.99599	3.00	YES

Conclusion:

For the max result : $1.55352\text{W/Kg} \leq \text{FCC Limit } 3.0$ 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	-1.681	0.68	-1 $\pm$ 1	0.00	1.00	<5	0.30997	3.00	YES
	2.44	-2.196	0.60	-2 $\pm$ 1	-1.00	0.79	<5	0.24816	3.00	YES
	2.480	-3.263	0.47	-3 $\pm$ 1	-2.00	0.63	<5	0.19873	3.00	YES

Conclusion:

For the max result : $0.30997\text{W/Kg} \leq \text{FCC Limit } 3.0$ for 1g SAR.