

FCC ID: 2AX5Y-GX501

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: Left

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	7.60	5.75	7±1	8	6.31	<5	1.95576	3.00	YES
	2.441	7.50	5.62	7±1	8	6.31	<5	1.97158	3.00	YES
	2.480	5.74	3.75	5±1	6	3.98	<5	1.25388	3.00	YES
π/4-DQPSK	2.402	4.93	3.11	5±1	6	3.98	<5	1.23400	3.00	YES
	2.441	6.16	4.13	6±1	7	5.01	<5	1.56608	3.00	YES
	2.480	4.85	3.05	5±1	6	3.98	<5	1.25388	3.00	YES
8-DPSK	2.402	5.36	3.44	6±1	7	5.01	<5	1.55352	3.00	YES
	2.441	6.55	4.52	6±1	7	5.01	<5	1.56608	3.00	YES
	2.480	5.20	3.31	6±1	7	5.01	<5	1.57854	3.00	YES

BLE: Left

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 (1M)	2.402	4.17	2.61	5±1	6	3.98	<5	1.23400	3.00	YES
	2.440	3.62	2.30	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	4.95	3.13	5±1	6	3.98	<5	1.25388	3.00	YES

BT: Right

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	7.03	5.05	7±1	8	6.31	<5	1.95576	3.00	YES
	2.441	6.59	4.56	7±1	8	6.31	<5	1.97158	3.00	YES
	2.480	5.59	3.62	6±1	7	5.01	<5	1.57854	3.00	YES
π/4-DQPSK	2.402	4.87	3.07	5±1	6	3.98	<5	1.23400	3.00	YES
	2.441	6.12	4.09	6±1	7	5.01	<5	1.56608	3.00	YES
	2.480	4.79	3.01	5±1	6	3.98	<5	1.25388	3.00	YES
8-DPSK	2.402	5.33	3.41	6±1	7	5.01	<5	1.55352	3.00	YES
	2.441	6.56	4.53	7±1	8	6.31	<5	1.97158	3.00	YES
	2.480	5.1	3.24	6±1	7	5.01	<5	1.57854	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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK (1M)	2.402	4.08	2.56	5±1	6	3.98	<5	1.23400	3.00	YES
	2.440	3.55	2.26	4±1	5	3.16	<5	0.98793	3.00	YES
	2.480	4.89	3.08	5±1	6	3.98	<5	1.25388	3.00	YES

Conclusion:

For the max result : $1.97158 \leq 3.0$ for 1g SAR, No SAR is required.



Signature:

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