

FCC ID:2AI8A-MIBIT

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 calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	7.932	6.212	7±1	8	6.310	<5	1.95576	3.00	YES
	2.441	6.615	4.587	7±1	8	6.310	<5	1.97158	3.00	YES
	2.48	7.188	5.234	7±1	8	6.310	<5	1.98727	3.00	YES
$\pi/4$ -DQPSK	2.402	8.008	6.321	8±1	9	7.943	<5	2.46216	3.00	YES
	2.441	6.782	4.767	7±1	8	6.310	<5	1.97158	3.00	YES
	2.48	7.383	5.474	7±1	8	6.310	<5	1.98727	3.00	YES
8-DPSK	2.402	8.412	6.937	8±1	9	7.943	<5	2.46216	3.00	YES
	2.441	7.206	5.255	7±1	8	6.310	<5	1.97158	3.00	YES
	2.48	7.772	5.987	7±1	8	6.310	<5	1.98727	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	1g SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-3.078	0.492	-3±1	-2	0.631	<5	0.19558	3.00	YES
	2.44	-4.255	0.375	-4±1	3	1.995	<5	0.62334	3.00	YES
	2.48	-3.741	0.423	-4±1	-3	0.501	<5	0.15785	3.00	YES

Conclusion:

For the max result : $2.46216 \leq 3.0$ for 1-g SAR, No SAR is required.



Signature:

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