

FCC ID:2AIF7-C910X**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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	2.886	1.94	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.889	1.94	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	2.487	1.77	2±1	3.00	2.00	<5	0.62843	3.00	YES
π /4DQPSK	2.402	3.887	2.45	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.935	2.47	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	3.359	2.17	3±1	4.00	2.51	<5	0.79114	3.00	YES
8DQPSK	2.402	4.473	2.80	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	4.541	2.85	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	3.855	2.43	3±1	4.00	2.51	<5	0.79114	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	1.338	1.36	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	1.944	1.56	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	1.63	1.46	1±1	2.00	1.58	<5	0.49918	3.00	YES

2.4GWIFI:

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
802.11b	2.412	6.001	3.98	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	7.623	5.78	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.238	5.29	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	7.624	5.79	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.932	6.21	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.848	6.09	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n(HT20)	2.412	7.542	5.68	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	6.477	4.44	6±1	7.00	5.01	<5	1.56480	3.00	YES
	2.462	7.413	5.51	7±1	8.00	6.31	<5	1.98004	3.00	YES

Conclusion:

For the max result : $1.98004 \leq \text{FCC Limit } 3.0$ for 1g SAR.