

FCC ID: 2BLE5-G3A

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: Module 1

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	5.93	3.92	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	6.03	4.01	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	5.89	3.88	5±1	6.00	3.98	<5	1.25388	3.00	YES
$\pi/4$ DQPSK	2.402	6.49	4.46	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	6.54	4.51	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	6.37	4.34	6±1	7.00	5.01	<5	1.57854	3.00	YES
8DQPSK	2.402	6.7	4.68	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.441	6.86	4.85	6±1	7.00	5.01	<5	1.56608	3.00	YES
	2.480	6.64	4.61	6±1	7.00	5.01	<5	1.57854	3.00	YES

EDR: Module 2

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	-0.11	0.97	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.441	0.43	1.10	0±1	1.00	1.26	<5	0.39338	3.00	YES
	2.480	0.69	1.17	0±1	1.00	1.26	<5	0.39651	3.00	YES
$\pi/4$ DQPSK	2.402	0.58	1.14	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.441	1.21	1.32	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	1.44	1.39	1±1	2.00	1.58	<5	0.49918	3.00	YES
8DQPSK	2.402	1.06	1.28	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	1.65	1.46	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	1.89	1.55	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 calculatio n	SAR Exclusion threshold	SAR test exclusion
802.11b	2.412	8.807	7.60	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.707	7.43	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.56	7.18	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11g	2.412	8.375	6.88	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.51	7.10	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.334	6.81	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11n(HT20)	2.412	7.919	6.19	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.978	6.28	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.942	6.23	7±1	8.00	6.31	<5	1.98004	3.00	YES

Conclusion:

For the max result : $2.49272 \leq \text{FCC Limit } 3.0$ for 1g SAR.