

**FCC ID: 2AZUR-H1**

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  $\leq 50$  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  $\leq 7.5$  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	4.214	2.64	4±1	5	3.16	<5	0.98020	3.00	YES
	2.441	3.943	2.48	4±1	5	3.16	<5	0.98813	3.00	YES
	2.480	3.392	2.18	4±1	5	3.16	<5	0.99599	3.00	YES
π/4-DQPSK	2.402	6.958	4.96	7.5±1	8.5	7.08	<5	2.19440	3.00	YES
	2.441	8.222	6.64	7.5±1	8.5	7.08	<5	2.21215	3.00	YES
	2.480	6.896	4.89	7.5±1	8.5	7.08	<5	2.22975	3.00	YES
8-DQPSK	2.402	7.236	5.29	8±1	9	7.94	<5	2.46216	3.00	YES
	2.441	8.663	7.35	8±1	9	7.94	<5	2.48207	3.00	YES
	2.480	7.299	5.37	8±1	9	7.94	<5	2.50182	3.00	YES
BLE	2.402	1.037	1.27	1±1	2	1.58	<5	0.49127	3.00	YES
	2.441	1.45	1.40	1±1	2	1.58	<5	0.49524	3.00	YES
	2.480	1.337	1.36	1±1	2	1.58	<5	0.49918	3.00	YES

WIFI2.4G

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	9.4	8.71	8.5±1	9.5	8.91	<5	2.76834	3.00	YES
	2.437	9.5	8.91	8.5±1	9.5	8.91	<5	2.78264	3.00	YES
	2.462	9.3	8.51	8.5±1	9.5	8.91	<5	2.79688	3.00	YES
802.11g	2.412	9.44	8.79	8.5±1	9.5	8.91	<5	2.76834	3.00	YES
	2.437	8.7	7.41	8.5±1	9.5	8.91	<5	2.78264	3.00	YES
	2.462	9.26	8.43	8.5±1	9.5	8.91	<5	2.79688	3.00	YES
802.11n20	2.412	9.5	8.91	8.5±1	9.5	8.91	<5	2.76834	3.00	YES
	2.437	8.76	7.52	8.5±1	9.5	8.91	<5	2.78264	3.00	YES
	2.462	9.17	8.26	8.5±1	9.5	8.91	<5	2.79688	3.00	YES
802.11n40	2.422	8.95	7.85	8.5±1	9.5	8.91	<5	2.77407	3.00	YES
	2.437	9.05	8.04	8.5±1	9.5	8.91	<5	2.78264	3.00	YES
	2.452	8.69	7.40	8.5±1	9.5	8.91	<5	2.79120	3.00	YES

**Conclusion:**

For the max result :  $2.79688 \leq 3.0$  for 1g SAR, SAR is not required.

*Alex*

**Signature:**

**Date:** 2021-07-07

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