

**FCC ID: 2AEHH-W521**

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.

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	2.964	1.98	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	3.082	2.03	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	2.69	1.86	2±1	3.00	2.00	<5	0.62843	3.00	YES
π /4DQPSK	2.402	1.985	1.58	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	3.78	2.39	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	2.531	1.79	2±1	3.00	2.00	<5	0.62843	3.00	YES
8DQPSK	2.402	2.262	1.68	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	4.013	2.52	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.697	1.86	2±1	3.00	2.00	<5	0.62843	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	-0.121	0.97	0±1	1.00	1.26	<5	0.39023	3.00	YES
	2.44	1.101	1.29	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	0.126	1.03	0±1	1.00	1.26	<5	0.39651	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	4.795	3.02	4±1	5.00	3.16	<5	0.98224	3.00	YES
	2.437	4.665	2.93	4±1	5.00	3.16	<5	0.98732	3.00	YES
	2.462	4.373	2.74	4±1	5.00	3.16	<5	0.99237	3.00	YES
802.11g	2.412	3.972	2.50	3±1	4.00	2.51	<5	0.78022	3.00	YES
	2.437	3.424	2.20	3±1	4.00	2.51	<5	0.78426	3.00	YES
	2.462	3.726	2.36	3±1	4.00	2.51	<5	0.78827	3.00	YES
802.11n(HT20)	2.412	3.525	2.25	3±1	4.00	2.51	<5	0.78022	3.00	YES
	2.437	3.508	2.24	3±1	4.00	2.51	<5	0.78426	3.00	YES
	2.462	3.714	2.35	3±1	4.00	2.51	<5	0.78827	3.00	YES

**Conclusion:**

BT+WIFI supported simultaneous transmission:

BT+2.4GWIFI=0.98813+0.99237=1.9805≤3, So passed.