



FCC ID:2ABQ6MID-1302T

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.

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	5.311	3.40	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.375	3.45	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	4.927	3.11	5±1	6.00	3.98	<5	1.25388	3.00	YES
Pi/4 DQPSK	2.402	3.854	2.43	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.559	2.27	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	3.49	2.23	3±1	4.00	2.51	<5	0.79114	3.00	YES
8DPSK	2.402	3.904	2.46	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.587	2.28	3±1	4.00	2.51	<5	0.78490	3.00	YES
	2.480	3.49	2.23	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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	6.757	4.74	6±1	7.00	5.01	<5	1.55352	3.00	YES
	2.44	6.931	4.93	6±1	7.00	5.01	<5	1.56576	3.00	YES
	2.480	6.743	4.72	6±1	7.00	5.01	<5	1.57854	3.00	YES



2.4G WIFI:

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	8.232	6.66	8±1	9.00	7.94	<5	2.46728	3.00	YES
	2.437	8.128	6.50	8±1	9.00	7.94	<5	2.48003	3.00	YES
	2.462	8.464	7.02	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11g	2.412	7.715	5.91	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.702	5.89	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.707	5.90	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n20	2.412	7.45	5.56	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.443	5.55	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.357	5.44	7±1	8.00	6.31	<5	1.98004	3.00	YES

Conclusion:

For the max result : 2.49272W/Kg ≤ FCC Limit 3.0 for 1g SAR.

Note:

WIFI and BT share the same antenna, no need to evaluate RF exposure in simultaneous mode.