

FCC ID:2AVZX-M12
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	-2.2	0.60	-3±1	-2.00	0.63	<5	0.19558	3.00	YES
	2.441	-2.92	0.51	-3±1	-1.00	0.79	<5	0.24821	3.00	YES
	2.480	-3.23	0.48	-4±1	-3.00	0.50	<5	0.15785	3.00	YES
Pi/4 DQPSK	2.402	-2.38	0.58	-3±1	-2.00	0.63	<5	0.19558	3.00	YES
	2.441	-3.07	0.49	-4±1	-3.00	0.50	<5	0.15661	3.00	YES
	2.480	-3.38	0.46	-4±1	-3.00	0.50	<5	0.15785	3.00	YES
8DPSK	2.402	-2.06	0.62	-3±1	-2.00	0.63	<5	0.19558	3.00	YES
	2.441	-2.88	0.52	-3±1	-2.00	0.63	<5	0.19716	3.00	YES
	2.480	-3.21	0.48	-4±1	-3.00	0.50	<5	0.15785	3.00	YES

WIFI:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Condu cte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distan ce (mm)	Result calculati o n	SAR Excl usio n thres hold	SAR test excl usio n
802.11 B	2.412	6.77	4.75	6±1	7.00	5.01	<5	1.55675	3.00	YES
	2.437	4.84	3.05	4±1	5.00	3.16	<5	0.98732	3.00	YES
	2.462	8.91	7.78	8±1	9.00	7.94	<5	2.49272	3.00	YES
802.11 G	2.412	4.46	2.79	4±1	6.00	3.98	<5	1.23657	3.00	YES
	2.437	3.04	2.01	3±1	4.00	2.51	<5	0.78426	3.00	YES
	2.462	6.72	4.70	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11 N20	2.412	4.59	2.88	4±1	5.00	3.16	<5	0.98224	3.00	YES
	2.437	3.21	2.09	3±1	4.00	2.51	<5	0.78426	3.00	YES
	2.462	6.64	4.61	6±1	7.00	5.01	<5	1.57280	3.00	YES
802.11 N40	2.422	2.47	1.77	2±1	3.00	2.00	<5	0.62104	3.00	YES
	2.437	2.22	1.67	2±1	3.00	2.00	<5	0.62296	3.00	YES
	2.452	3.89	2.45	3±1	4.00	2.51	<5	0.78667	3.00	YES

Conclusion:

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

The Product unsupported at the same time to Transmitting.