

FCC ID: S5V-TABK10

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.

WIFI:

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted 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	9.5	8.91	8.7±1	9.7	9.33	<5	2.89880	3.00	YES
	2.442	9.7	9.33	8.7±1	9.7	9.33	<5	2.91677	3.00	YES
	2.462	9.6	9.12	8.7±1	9.7	9.33	<5	2.92869	3.00	YES
802.11g	2.412	9.6	9.12	8.6±1	9.6	9.12	<5	2.83282	3.00	YES
	2.442	9.5	8.91	8.6±1	9.6	9.12	<5	2.85038	3.00	YES
	2.462	9.4	8.71	8.6±1	9.6	9.12	<5	2.86203	3.00	YES
802.11n HT20	2.412	9.5	8.91	8.6±1	9.6	9.12	<5	2.83282	3.00	YES
	2.442	9.3	8.51	8.6±1	9.6	9.12	<5	2.85038	3.00	YES
	2.462	9.6	9.12	8.6±1	9.6	9.12	<5	2.86203	3.00	YES
802.11n HT40	2.422	9.6	9.12	8.7±1	9.7	9.33	<5	2.90481	3.00	YES
	2.442	9.7	9.33	8.7±1	9.7	9.33	<5	2.91677	3.00	YES
	2.452	9.5	8.91	8.7±1	9.7	9.33	<5	2.92274	3.00	YES
BT3.0-GFSK	2.402	1.71	1.48	2.7±1	3.7	2.34	<5	0.72664	3.00	YES
	2.441	2.42	1.75	2.7±1	3.7	2.34	<5	0.73251	3.00	YES
	2.48	2.68	1.85	2.7±1	3.7	2.34	<5	0.73834	3.00	YES
BT3.0-π/4-DQPSK	2.402	3.15	2.07	3.5±1	4.5	2.82	<5	0.87361	3.00	YES
	2.441	4.11	2.58	3.5±1	4.5	2.82	<5	0.88067	3.00	YES
	2.48	3.87	2.44	3.5±1	4.5	2.82	<5	0.88768	3.00	YES
BT3.0-8-DPSK	2.402	3.37	2.17	3.5±1	4.5	2.82	<5	0.87361	3.00	YES
	2.441	4.31	2.70	3.5±1	4.5	2.82	<5	0.88067	3.00	YES
	2.48	4	2.51	3.5±1	4.5	2.82	<5	0.88768	3.00	YES
BLE-GFSK	2.402	-2.16	0.61	-2.8±1	-1.8	0.66	<5	0.20479	3.00	YES
	2.44	-2.68	0.54	-2.8±1	-1.8	0.66	<5	0.20641	3.00	YES
	2.48	-3.77	0.42	-2.8±1	-1.8	0.66	<5	0.20809	3.00	YES

Conclusion:

For the max result : $2.92869 \leq 3.0$ for Max Power Density, compliance RF exposure.

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Signature:

Date: 2019-07-03

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