

FCC ID: S5V-D0EKV1

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)	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	9.5	8.91	8.6±1	9.60	9.12	<5	2.83282	3.00	YES
	2.437	9.3	8.51	8.6±1	9.60	9.12	<5	2.84746	3.00	YES
	2.462	9.6	9.12	8.6±1	9.60	9.12	<5	2.86203	3.00	YES
802.11g	2.412	9.4	8.71	8.6±1	9.60	9.12	<5	2.83282	3.00	YES
	2.437	9.6	9.12	8.6±1	9.60	9.12	<5	2.84746	3.00	YES
	2.462	9.5	8.91	8.6±1	9.60	9.12	<5	2.86203	3.00	YES
802.11n20	2.412	9.7	9.33	8.7±1	9.70	9.33	<5	2.89880	3.00	YES
	2.437	9.5	8.91	8.7±1	9.70	9.33	<5	2.91379	3.00	YES
	2.462	9.6	9.12	8.7±1	9.70	9.33	<5	2.92869	3.00	YES
802.11n40	2.422	9.3	8.51	8.4±1	9.40	8.71	<5	2.71092	3.00	YES
	2.437	9.1	8.13	8.4±1	9.40	8.71	<5	2.71930	3.00	YES
	2.452	9.2	8.32	8.4±1	9.40	8.71	<5	2.72766	3.00	YES

Conclusion:

For the max result : $2.92869 \leq 3.0$ for 1g SAR, No SAR is required.

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Signature:

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