

FCC ID:2A5H4-PF124**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.

2.4G 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	7.43	4.36	7.5±0.5	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.54	4.50	7.5±0.5	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.14	4.29	7.5±0.5	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	6.39	4.36	6.5±0.5	7.00	5.01	<5	1.55675	3.00	YES
	2.437	6.53	4.50	6.5±0.5	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.32	4.29	6.5±0.5	7.00	5.01	<5	1.57280	3.00	YES
802.11n(HT20)	2.412	6.37	4.34	6.5±0.5	7.00	5.01	<5	1.55675	3.00	YES
	2.437	6.47	4.44	6.5±0.5	7.00	5.01	<5	1.56480	3.00	YES
	2.462	6.26	4.23	6.5±0.5	7.00	5.01	<5	1.57280	3.00	YES

Conclusion:

For the max result :1.98004W/Kg $\leq$ FCC Limit 3.0 for 1g SAR.

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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
GFSK	2.402	-1.71	0.67	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.44	-1.489	0.71	-1±1	0.00	1.00	<5	0.31241	3.00	YES
	2.480	-2.329	0.58	-2±1	-1.00	0.79	<5	0.25018	3.00	YES

Conclusion:

For the max result :0.31241W/Kg $\leq$ FCC Limit 3.0 for 1g SAR.