

**FCC ID: 2A5F4RH-M601**

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  $\leq 50$  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  $\leq 7.5$  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)	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	7.25	5.31	7.5±0.5	8.00	6.31	<5	1.95983	3.00	YES
	2.44	7.81	6.04	8±0.5	8.50	7.08	<5	2.21169	3.00	YES
	2.462	7.79	6.01	8±0.5	8.50	7.08	<5	2.22164	3.00	YES
802.11g	2.412	6.71	4.69	7±0.5	7.50	5.62	<5	1.74670	3.00	YES
	2.44	6.77	4.75	7±0.5	7.50	5.62	<5	1.75681	3.00	YES
	2.462	6.67	4.65	7±0.5	7.50	5.62	<5	1.76471	3.00	YES
802.11 n(HT20)	2.412	6.07	4.05	6.5±0.5	7.00	5.01	<5	1.55675	3.00	YES
	2.44	6.53	4.50	7±0.5	7.50	5.62	<5	1.75681	3.00	YES
	2.462	6.83	4.82	7±0.5	7.50	5.62	<5	1.76471	3.00	YES
802.11 n(HT40)	2.422	5.55	3.59	6±0.5	6.50	4.47	<5	1.39033	3.00	YES
	2.44	5.58	3.61	6±0.5	6.50	4.47	<5	1.39548	3.00	YES
	2.452	5.85	3.85	6±0.5	6.50	4.47	<5	1.39891	3.00	YES

**Conclusion:**

For the max result :  $2.22164 \leq$  FCC Limit 3.0 for 1g SAR.