

FCC ID: 2A5DUYCC -XB077

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.

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	7.15	5.19	7.5±0.5	8.00	6.31	<5	1.95576	3.00	YES
	2.437	7.23	5.28	7.5±0.5	8.00	6.31	<5	1.97158	3.00	YES
	2.462	7.13	5.16	7.5±0.5	8.00	6.31	<5	1.98727	3.00	YES
802.11g	2.412	6.79	4.78	6.5±0.5	7.00	5.01	<5	1.55352	3.00	YES
	2.437	6.62	4.59	6.5±0.5	7.00	5.01	<5	1.56608	3.00	YES
	2.462	6.84	4.83	6.5±0.5	7.00	5.01	<5	1.57854	3.00	YES
802.11n (HT20)	2.412	6.28	4.25	6.5±0.5	7.00	5.01	<5	1.55352	3.00	YES
	2.437	6.64	4.61	6.5±0.5	7.00	5.01	<5	1.56608	3.00	YES
	2.462	6.87	4.86	6.5±0.5	7.00	5.01	<5	1.57854	3.00	YES
802.11n (HT40)	2.422	5.7	3.72	5.5±0.5	6.00	3.98	<5	1.23400	3.00	YES
	2.437	5.89	3.88	5.5±0.5	6.00	3.98	<5	1.24398	3.00	YES
	2.452	5.06	3.21	5.5±0.5	6.00	3.98	<5	1.25388	3.00	YES

Conclusion:

For the max result : 1.98727W/Kg \leq FCC Limit 3.0 for 1g SAR.