

FCC ID: 2AQ6S-C12W

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.

	Channel Freq. (GHz)	Max 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
WIFI 2.4G	2.412	6.29	4.26	6±1	7.00	5.01	<5	1.55617	3.00	YES
	2.442					5.01	<5	1.56582	3.00	YES
	2.462					5.01	<5	1.57221	3.00	YES
WIFI 5.1G	5.18	6.5	4.47	6±1	7.00	5.01	<5	2.28051	3.00	YES
	5.2					5.01	<5	2.28491	3.00	YES
	5.24					5.01	<5	2.29368	3.00	YES
WIFI 5.8G	5.745	6.95	4.95	6±1	7.00	5.01	<5	2.40167	3.00	YES
	5.785					5.01	<5	2.41001	3.00	YES
	5.825					5.01	<5	2.41833	3.00	YES

Conclusion:

For the max result: $2.41833 \leq \text{FCC Limit } 3.0$ for 1g SAR.

The Product unsupported at the same time to Transmitting.