

8 CONDUCTED RF OUPUT POWER

8.1	WIFI Output Power
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WIFI2.4G-Ant.1						
	Mode	Channel	Frequency (MHz)	Conducted power (dBm)	Tune up (dBm)	SAR Test
2.4G	11b	1	2412	9.15	10.00	Yes
		6	2437	9.37	10.00	Yes
		11	2462	9.66	10.00	Yes
	11g	1	2412	8.75	9.50	No
		6	2437	8.52	9.50	No
		11	2462	8.75	9.50	No
	11n20	1	2412	8.43	9.50	No
		6	2437	8.54	9.50	No
		11	2462	8.76	9.50	No
	11n40	3	2422	8.74	9.50	No
		6	2437	8.73	9.50	No
		9	2452	8.80	9.50	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

- 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.
- 2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.
- 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required
Adjusted SAR = $0.994 * (8.91\text{mW}/10\text{mW}) = 0.886$ W/Kg, so 2.4G OFDM SAR test is not required.