

8 CONDUCTED RF OUPUT POWER

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8.1 WIFI Output Power

test Mode	Modulation	Channel number	Fre. (MHz)	output power(dBm)	tune up power(dBm)	SAR Test
WIFI 2.4G	11b	1	2412	8.05	8.50	Yes
		6	2437	7.51	8.50	Yes
		11	2462	7.73	8.50	Yes
	11g	1	2412	7.44	7.50	No
		6	2437	6.95	7.50	No
		11	2462	7.20	7.50	No
	HT20	1	2412	7.20	7.50	No
		6	2437	6.77	7.50	No
		11	2462	6.62	7.50	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.						

8.2 Bluetooth

8.2.1 Bluetooth Output Power

Bluetooth-Power						
Modulation	Modulation	Channel number	Frequenc y(MHz)	AV output power(dBm)	Tune up power(dBm)	SAR Test
BT	BLE1M	0	2402	-1.03	-1.00	Yes
		19	2440	-1.72	-1.00	Yes
		39	2480	-1.52	-1.00	Yes
	BLE2M	1	2404	-1.16	-1.00	No
		19	2440	-1.77	-1.00	No
		38	2478	-1.59	-1.00	No
Note: Since bluetooth LE mode is the maximum output power mode, SAR measurements were performed with test software using BLE-1M modulation,and SAR measurement is not required for the BLE-2M. When the secondary mode is ≤ ¼ dB higher than the primary mode.						

8.2.2 Bluetooth Duty Cycle

The MT7922A12L Bluetooth duty cycle is 76.88% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

