



BW21-CBV

功耗测试报告

1. 测试说明

1.1 测试仪器

仪表	生产商	型号
电流分析仪	KEYSIGHT	N6705C

1.2 测试条件

Item	条件	备注
电源输入	3.3V	/
温度	常温 25°	/

1.3 测试项目

Item	结果	备注
功耗测试	PASS	/

1.4 其他说明

测试人员	董鹏飞	备注
审核人员	关宁	/
测试日期	2025. 2. 8	/

3. 3V 电流					
测试模式		最小值	平均值	最大值	单位
11b TX	CCK 11 Mbps, Pout = +21 dBm Packet Tx	-	342.05	-	mA
	CCK 11 Mbps, Pout = +21 dBm Continuous Tx	-	383.76	-	mA
11g TX	OFDM 54 Mbps, POUT = +19 dBm Packet Tx	-	281	-	mA
	OFDM 54 Mbps, POUT = +19 dBm Continuous Tx	-	331.69	-	mA
11n TX	OFDM MCS7, POUT = +18Bm Packet Tx	-	268.02	-	mA
	OFDM MCS7, POUT = +18Bm Continuous Tx	-	274.37	-	mA
11b RX	802.11b Sensitivity 1 Mbps Packet Rx(All)	-	49.3838	-	mA
	802.11b Sensitivity 11 Mbps Packet Rx(All)	-	49.381	-	mA
11g RX	802.11g Sensitivity 6 Mbps Packet Rx(All)	-	49.3263	-	mA
	802.11g Sensitivity 54 Mbps Packet Rx(All)	-	49.2324	-	mA
11n RX	802.11n Sensitivity MCS0 Packet Rx(All)	-	49.2236	-	mA
	802.11n Sensitivity MCS7 Packet Rx(All)	-	49.3737	-	mA

1.8V 电流					
测试模式		最小值	平均值	最大值	单位
11b TX	CCK 11 Mbps, Pout = +21 dBm Packet Tx	–	50.0933	–	mA
	CCK 11 Mbps, Pout = +21 dBm Continuous Tx	–	49.956	–	mA
11g TX	OFDM 54 Mbps, POUT = +19 dBm Packet Tx	–	52.6716	–	mA
	OFDM 54 Mbps, POUT = +19 dBm Continuous Tx	–	49.9497	–	mA
11n TX	OFDM MCS7, POUT = +18Bm Packet Tx	–	52.3347	–	mA
	OFDM MCS7, POUT = +18Bm Continuous Tx	–	49.7079	–	mA
11b RX	802.11b Sensitivity 1 Mbps Packet Rx(All)	–	49.0772	–	mA
	802.11b Sensitivity 11 Mbps Packet Rx(All)	–	48.5118	–	mA
11g RX	802.11g Sensitivity 6 Mbps Packet Rx(All)	–	48.3588	–	mA
	802.11g Sensitivity 54 Mbps Packet Rx(All)	–	48.3173	–	mA
11n RX	802.11n Sensitivity MCS0 Packet Rx(All)	–	48.3138	–	mA
	802.11n Sensitivity MCS7 Packet Rx(All)	–	48.3157	–	mA

5V 电流					
测试模式		最小值	平均值	最大值	单位
11b TX	CCK 11 Mbps, Pout = +21 dBm Packet Tx	–	29.5226	–	mA
	CCK 11 Mbps, Pout = +21 dBm Continuous Tx	–	36.8791	–	mA
11g TX	OFDM 54 Mbps, POUT = +19 dBm Packet Tx	–	36.2179	–	mA
	OFDM 54 Mbps, POUT = +19 dBm Continuous Tx	–	36.2596	–	mA
11n TX	OFDM MCS7, POUT = +18Bm Packet Tx	–	34.5106	–	mA
	OFDM MCS7, POUT = +18Bm Continuous Tx	–	34.3934	–	mA
11b RX	802.11b Sensitivity 1 Mbps Packet Rx(All)	–	28.3509	–	mA
	802.11b Sensitivity 11 Mbps Packet Rx(All)	–	28.4416	–	mA
11g RX	802.11g Sensitivity 6 Mbps Packet Rx(All)	–	28.415	–	mA
	802.11g Sensitivity 54 Mbps Packet Rx(All)	–	28.3368	–	mA
11n RX	802.11n Sensitivity MCS0 Packet Rx(All)	–	28.3995	–	mA
	802.11n Sensitivity MCS7 Packet Rx(All)	–	28.4001	–	mA