

Rev:0.1

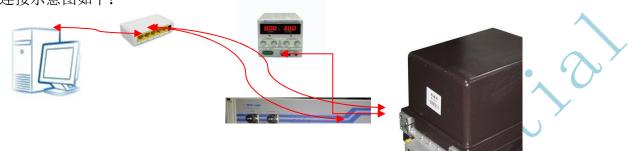
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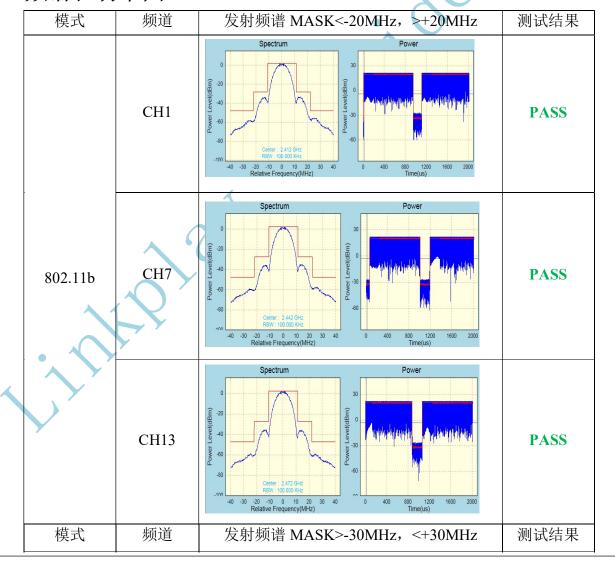
1 基本测试项目

1.1 测试设备

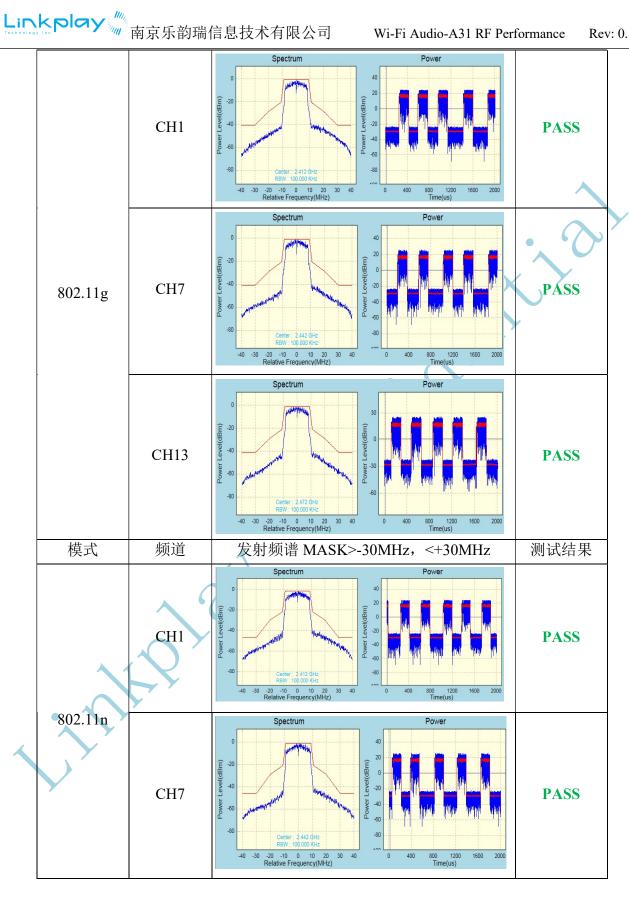
屏蔽箱; 5V/1A 电源; 交换机; 网线; RF 延长线; WIFI 测试底板; PC。 连接示意图如下:

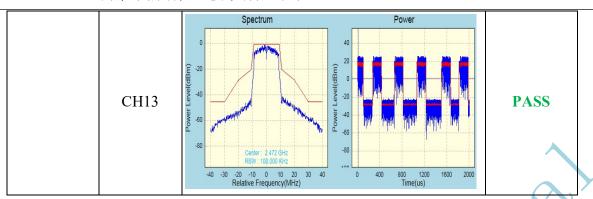


1.2 频谱和功率图

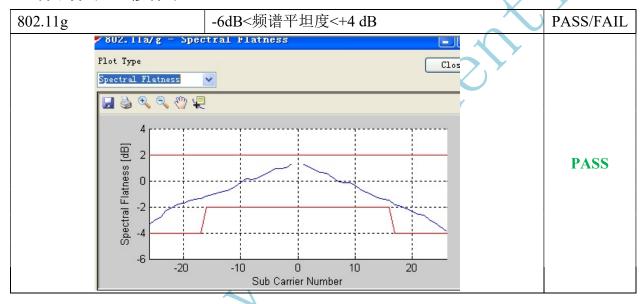


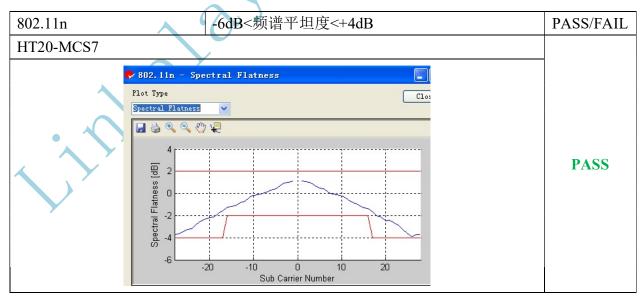




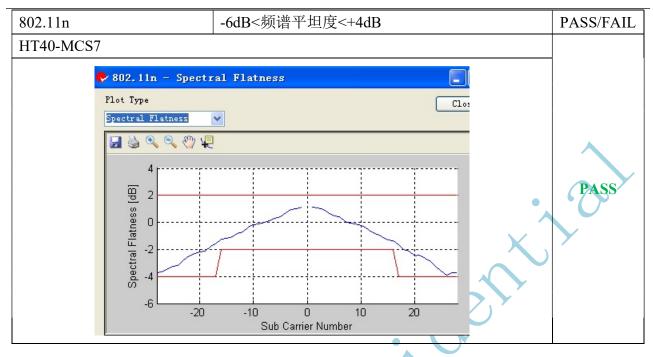


1.3 频谱平坦度图





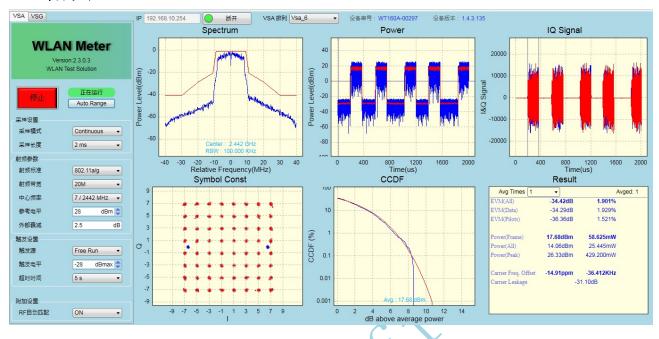


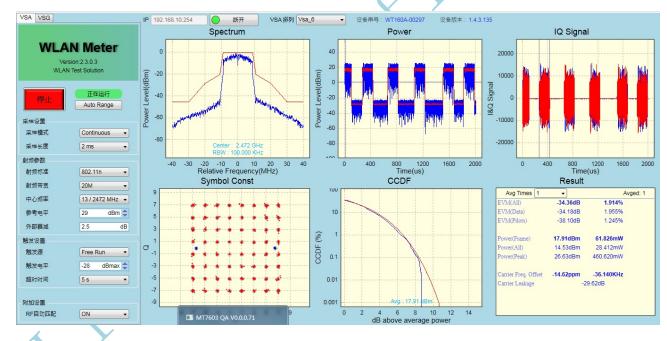


2 TX 指标测试

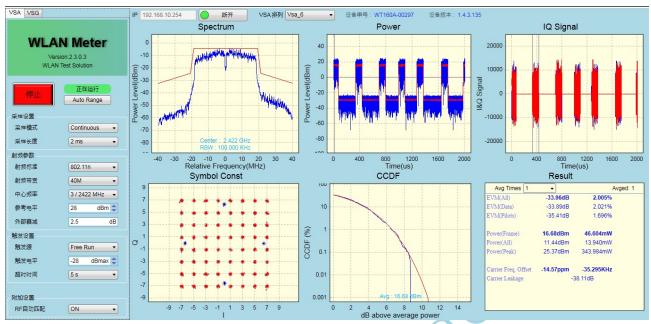
 测试项目	测试标准		实测数据			测试结果	
例似坎口			CH1	CH7	CH13	PASS/FAIL	
	POWER		19±1dBm	19.23	18.55	18.47	PASS
802.11b	EVM		≤-25dB	-38.72	-38.65	-40.37	PASS
802.110	PPM		±15	-0.05	-0.13	-0.14	PASS
	MASK		OK/NG	OK	OK	OK	
	POWER		16.5±1dBm	16.68	16.09	15.92	PASS
802.11g	EVM 🔨		≤-30dB	-33.30	-33.63	-34.14	PASS
802.11g	PPM		±15	1.42	0.21	-0.79	PASS
	MASK		OK/NG	OK	OK	OK	
	HT20 MCS7	POWER	16.5±1dBm	16.44	15.95	15.85	PASS
		EVM	≤-30dB	-33.44	-33.30	-31.32	PASS
		PPM	±15	0.84	-0.07	0.53	PASS
		MASK	OK/NG	OK	OK	OK	
802.11n	HT40 MCS7	POWER	15.5±1dBm	CH3	CH7	CH11	PASS/FAIL
				15.67	14.95	14.81	PASS
		EVM	≤-30dB	-32.69	-32.21	-32.93	PASS
		PPM	±15	-0.12	1.24	-1.40	PASS
		MASK	OK/NG	OK	OK	OK	

2.1 附图:



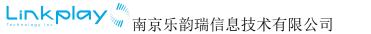




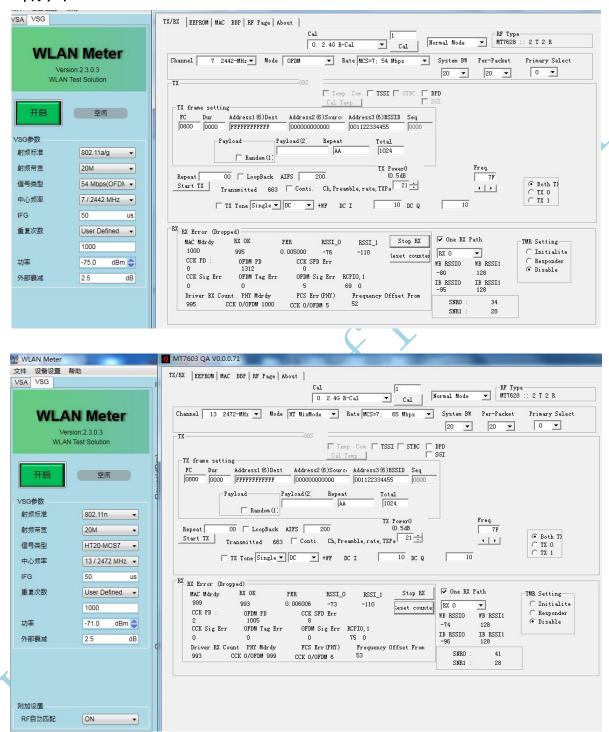


3 RX 指标测试

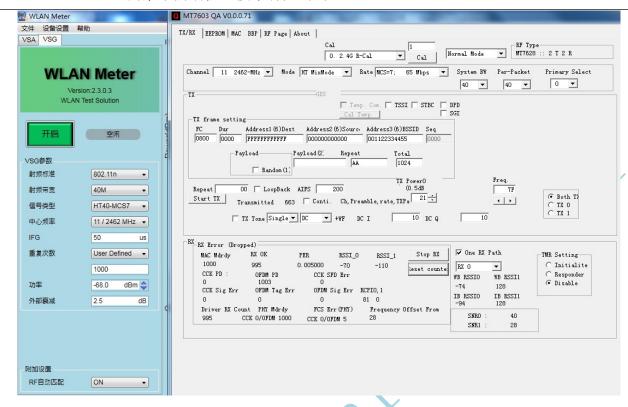
测试项目	割 测试标准		实测数据		
			CH7	CH13	PASS/FAIL
802.11b (11Mbps)	RX≤-76dBm; FER≤8%	-85.5	-85.5	-85.5	PASS
002.11		CH1	CH7	CH13	PASS
802.11g (54Mbps) RX≤-68dBm; FER≤10%	-75.5	-75.5	-75.5		
802.11n	HT20 (65Mbps) RX≤-65dBm; FER≤10%	CH1	CH7	CH13	PASS
		-72.5	-72.5	-72.5	
	HT40 (130Mbps) RX≤-63dBm; FER≤10%	CH3	CH7	CH11	PASS/FAIL
		-68	-68	-68	PASS



3.1 附图







4 Revision History

Revision	Date	Originator	Comments
0.1	2015-07-15	Cunxue Wang	Initial release