



深圳通诚无限科技有限公司

Shenzhen Topolink Technology CO., Ltd

Manufacturer:	Shenzhen Muzhiyin Technology Co., Ltd.
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承 认 书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 和成视讯

产品名称

PRODUCT NAME: HECE02-A1 WIFI 天线

客户料号

CUSTOMER P/N:60-HECE2-000-002

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	颜培浩	
APPROVED BY:	冯娟	
DATE:	2026.01.16	

地址:深圳市宝安区 28 区大宝路金富来大厦 A 座 401-407

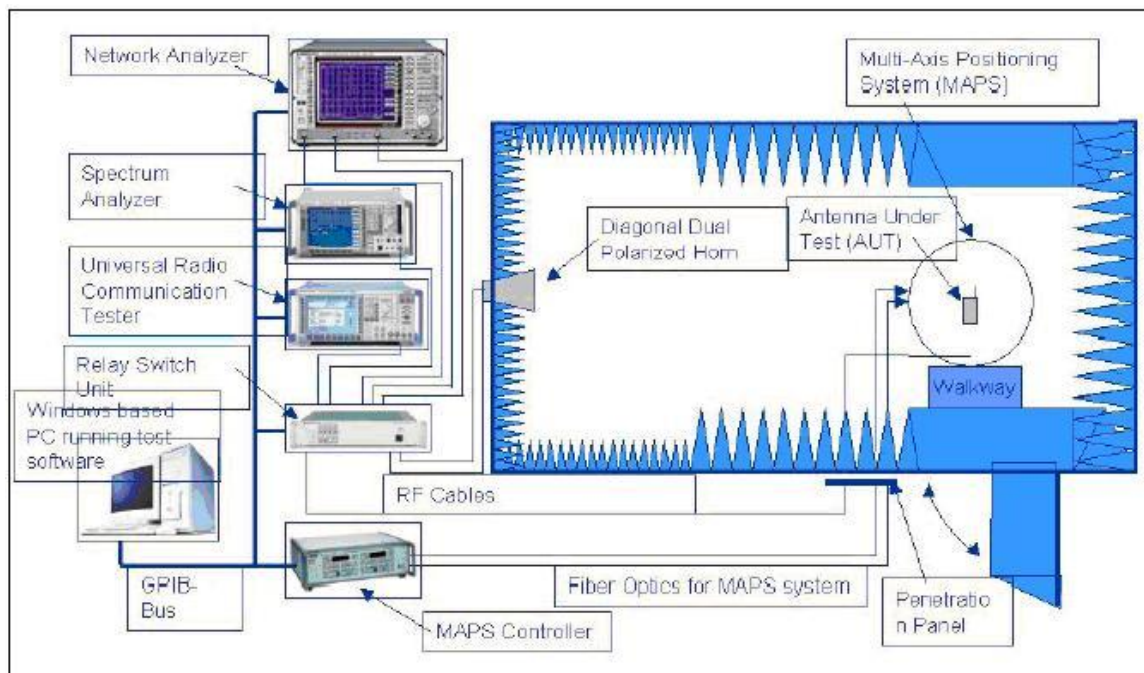
电话: 0755-27728733

传真: 0755-27805416

Contents

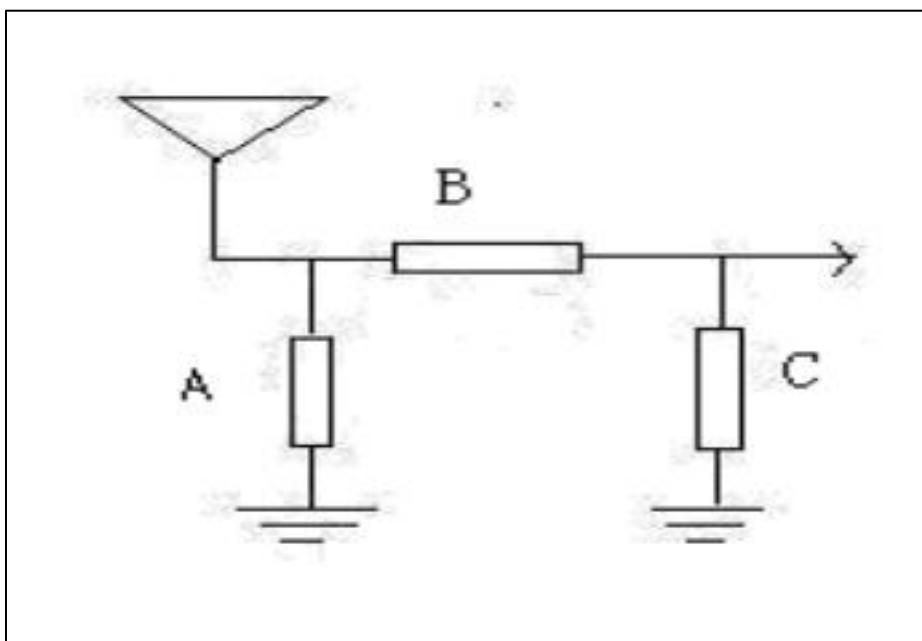
<i>Item</i>	<i>Description</i>
1.	测试仪器及环境
2.	匹配电路
3.	样机图
4.	天线 S11, ReturnLoss, Smith 圆图:
5.	天线效率增益
6.	天线有源数据
7.	天线方向图
8.	实验报告

1. 测试仪器及环境: CTIA 743 暗室, 8960/5515C, 手机背向放置
离标准 喇叭天线 4 米转台处



2、天线匹配电路无更改

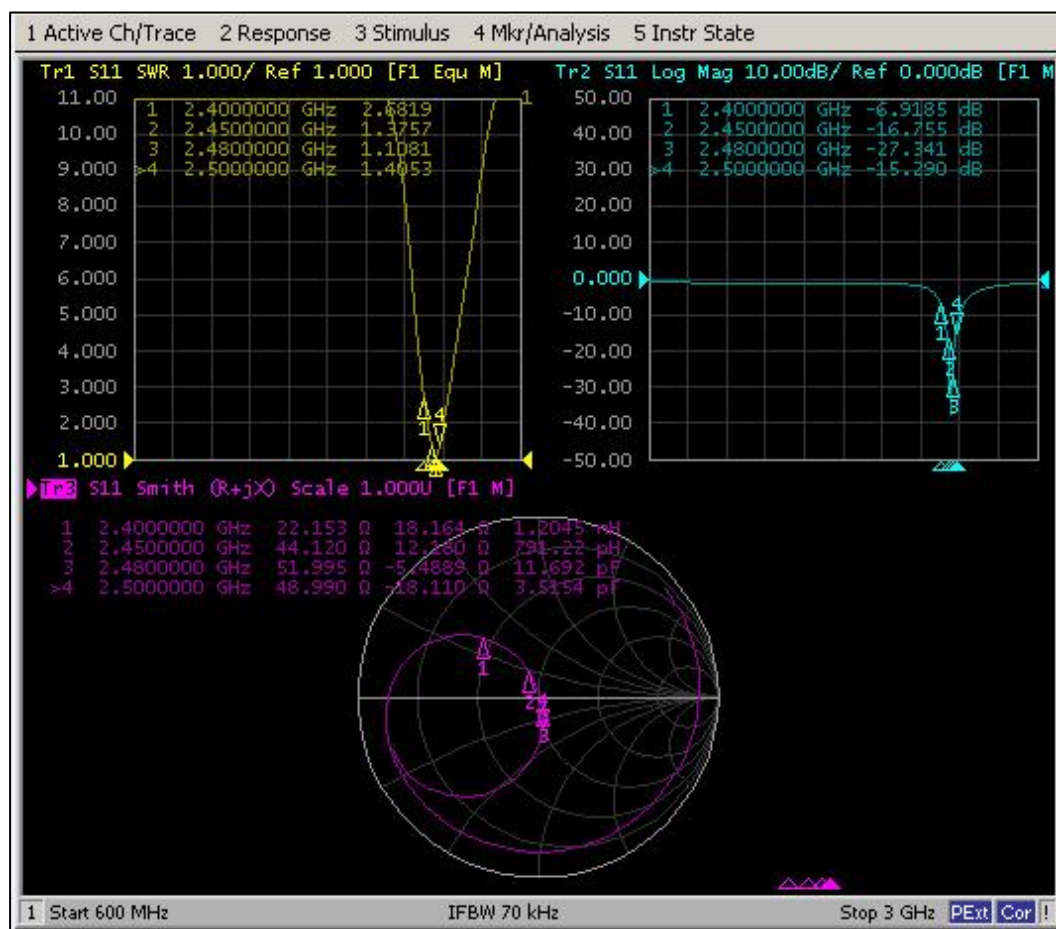
天线匹配电路无更改。



3. 样机与样品图



4. 天线 S11, ReturnLoss, Smith 圆图:



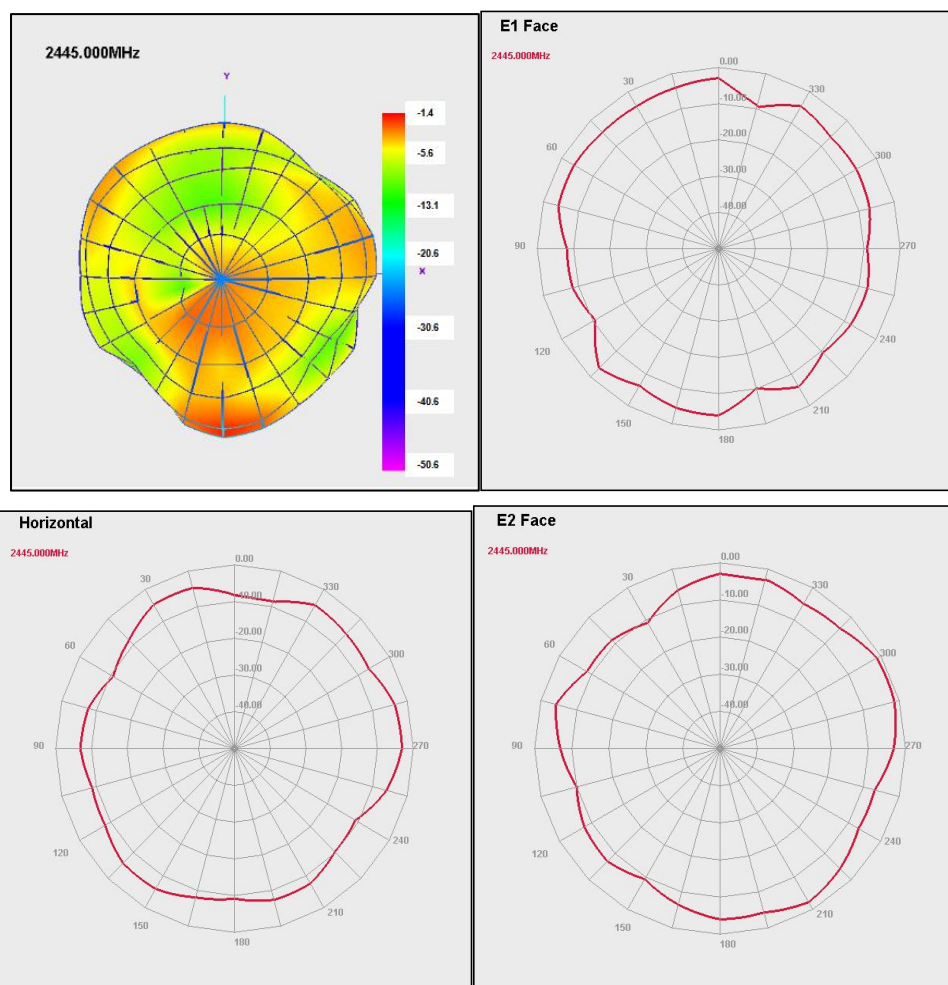
5. 天线效率增益:

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	29.30	-2
2405	30.01	-1.91
2410	29.78	-1.95
2415	30.20	-1.89
2420	30.76	-1.82
2425	31.92	-1.65
2430	32.74	-1.54
2435	33.20	-1.46
2440	32.99	-1.48
2445	33.21	-1.44
2450	31.77	-1.62
2455	30.75	-1.75
2460	30.99	-1.71
2465	30.79	-1.74
2470	29.92	-1.86
2475	30.07	-1.84
2480	30.10	-1.84
2485	29.81	-1.89
2490	29.82	-1.89
2495	29.76	-1.91
2500	29.10	-2.01

6.WIFI 有源数据

WIFI2.4G b模			
Test	WIFI		
Result	1	6	11
TRP (dBm)	14.75	14.83	15.86
Test	WIFI		
TIS (dBm)			-76.76

7: 天线方向图:



8.实验报告

高低温恒湿试验报告						
High and low temperature constant humidity test report						
试验项目/test item	高温. 低温. 恒湿试验 High temperature. Low temperature. Constant humidity test					
试验样板名称/Name of test sample	60-HECE2-000-001		试验日期/trial date	2025-12-18		
实验设备/experimental facilities	恒温恒湿试验箱. 网络分析仪/Constant temperature and humidity test chamber. Network analyzer		测试数量/number of test	5PCS		
检验标准/inspection standard	1. 金属表面镀层无脱落. 裂痕. 起皱等不良; 非金属部分不能有变色. 破裂. 变形. 脱胶等不良/ The coating on the metal surface does not fall off, crack, wrinkle and other defects; the non-metallic parts can not have discoloration, fracture, deformation, degumming and other defects					
	2. 电气测试符合设计要求: 电压驻波比测试合格/Electrical test meets design requirements: voltage standing wave ratio test is qualified					
试验名称/Name of test	试验项目/test item	要求/ask for	试验方法/test method	数据/data	结果/result	
					样品/sample	判定/Evaluation
高温试验/high-temperature test	温度/ temperature (°C)	+85±3	按照GB2423.1-89第九章规定的方法进行/According to GB2423.1-89 chapter 8 method	+86	1	合格/qualified
	稳定时间/settling time (H)	1		1.3	2	合格/qualified
	持续时间/time of duration (H)	2		2.2	3	合格/qualified
	恢复时间/recovery time	1		1.2	4	合格/qualified
					5	合格/qualified
低温试验/low temperature test	温度/ temperature (°C)	-60±3		-62	1	合格/qualified
	稳定时间/settling time (H)	1		1.2	2	合格/qualified
	持续时间/time of duration (H)	2		2.5	3	合格/qualified
	恢复时间/recovery time	1		1.3	4	合格/qualified
					5	合格/qualified
恒定湿热试验/steady-state damp heat test	温度/ temperature (°C)	+40±2		+42	1	合格/qualified
	稳定时间/settling time (H)	90-95		94	2	合格/qualified
	持续时间/time of duration (H)	45		47	3	合格/qualified
	恢复时间/recovery time	1		1.2	4	合格/qualified
					5	合格/qualified