



表单编号: CYX-FM-RD004-A

深圳创盈芯实业有限公司

Shenzhen Chuangyingxin technology co., Ltd

材料承认书

Material acceptance

厂 商:

Manufacturer

东莞市松汇实业有限公司

品 名:

Name of a part

HOA-WIF5G-1 天线 0.81 黑色线 4 代端子 L=80 MM

料 号:

Part Number

1306000441

物 料 规 格

Material specification

WIFI+BT 天线

PCB +081

黑色线 L=80 mm 4 代端子

制作 Fabrication	审核 Examine and verify	批准 Ratify

Tel:0755-23596969

Company web site:<http://www.cyxtech.com/>

深圳市龙华新区高峰社区科伦特低碳产业园 C 栋

Add: 5 / F, 1 Building, Xiazao Industrial Zone, Zhaohe Road, Fengfeng Community

Longhua New District, Shenzhen City



规格承认书

SPECIFICATION FOR APPROVAL

编号: 2024101601

File No. _____

版本: 1.0

Revision _____

客 户 创盈芯

CUSTOMER: _____

客 户 料 号 1306000441

CUSTOMER NO: _____

品 名 HOA-WIFI5G 天线0.81黑色线4代端子L=80MM

PART NAME: _____

供 方 料 号 SL136P.300080.P01

SUPPLIER NO: _____

送样日期 Date:

送样数量 Q'TY: PCS

客户确认 CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

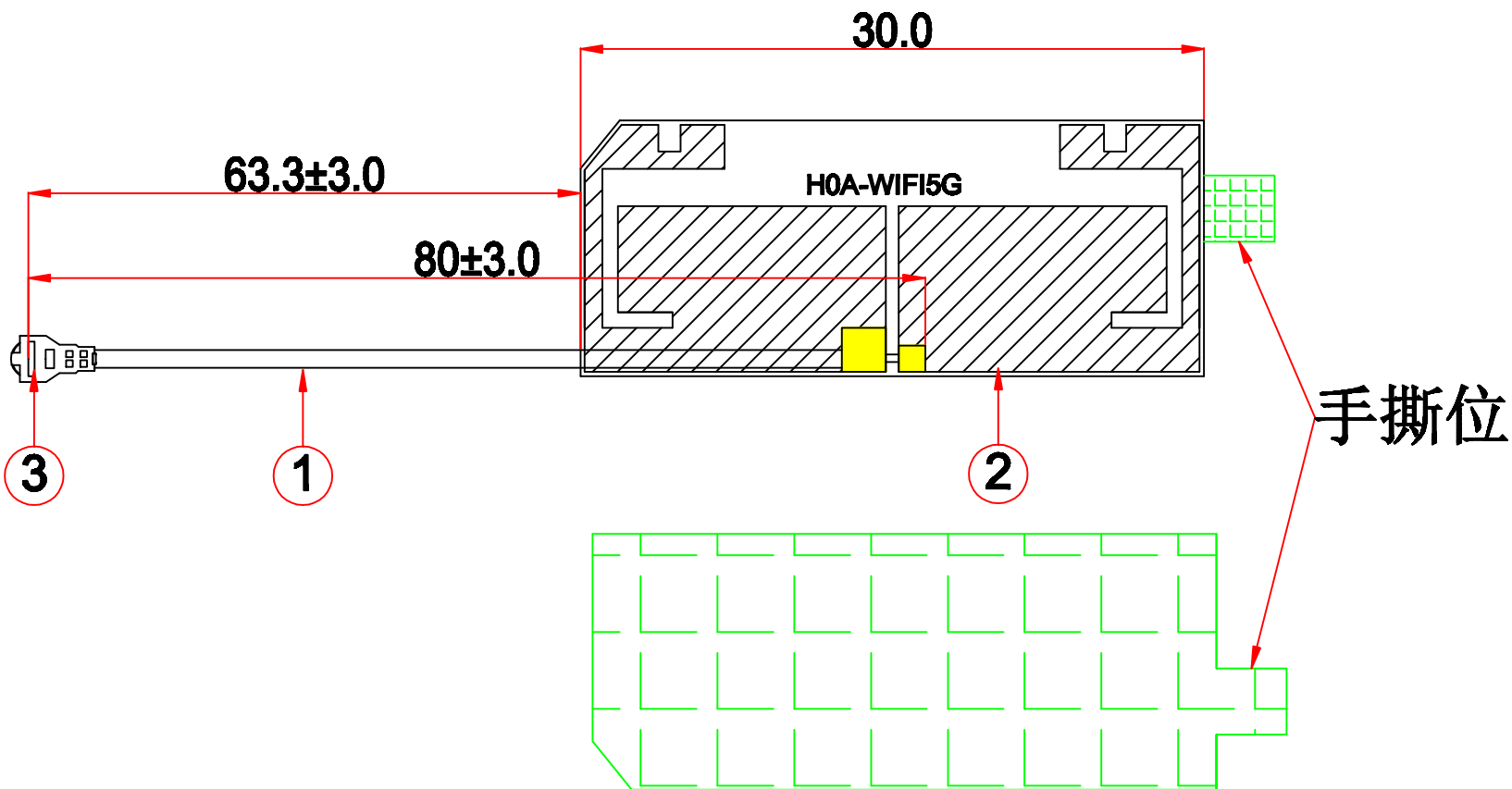
SH-RD-F04-A

add: 东莞市大朗镇巷尾村聚祥二路24号 电话: 0769-82226176 传真: 0769-82226175



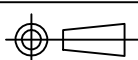
承认书项目表

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3	MHF4	O.D.0.81专用	1
2	PPC柔性板	L30*W11.6*T0.2mm	1
1	Coaxial Cable	O.D.0.81 Black	1
NO	PART NAME	DESCRIPTION	Q.TY

东莞市松汇实业有限公司
Dongguan SongHui Co.,Ltd.



**TOLERANCE UNLESS
OTHERWISE SPECIFIED**

UNIT:mm

ANGLES ±0.5°

X. ±2.0

SHEET: 1/1

X.XX ±0.2

XX. ±5.0

SCALE: 1/1

X.X ±0.5

DATE:2024-10-16

CUSTOMER		H0A			
PART NO					
TITLE		2.4-5.8GHzAntenna L=80mm			
S.H P/NO		SL136P.300080.P01			
SIZE	DRAWN	CHECKED	APPROVED		
A4	LUOYI	ZOUJIE			



电 性 测 试 报 告

Test Reports

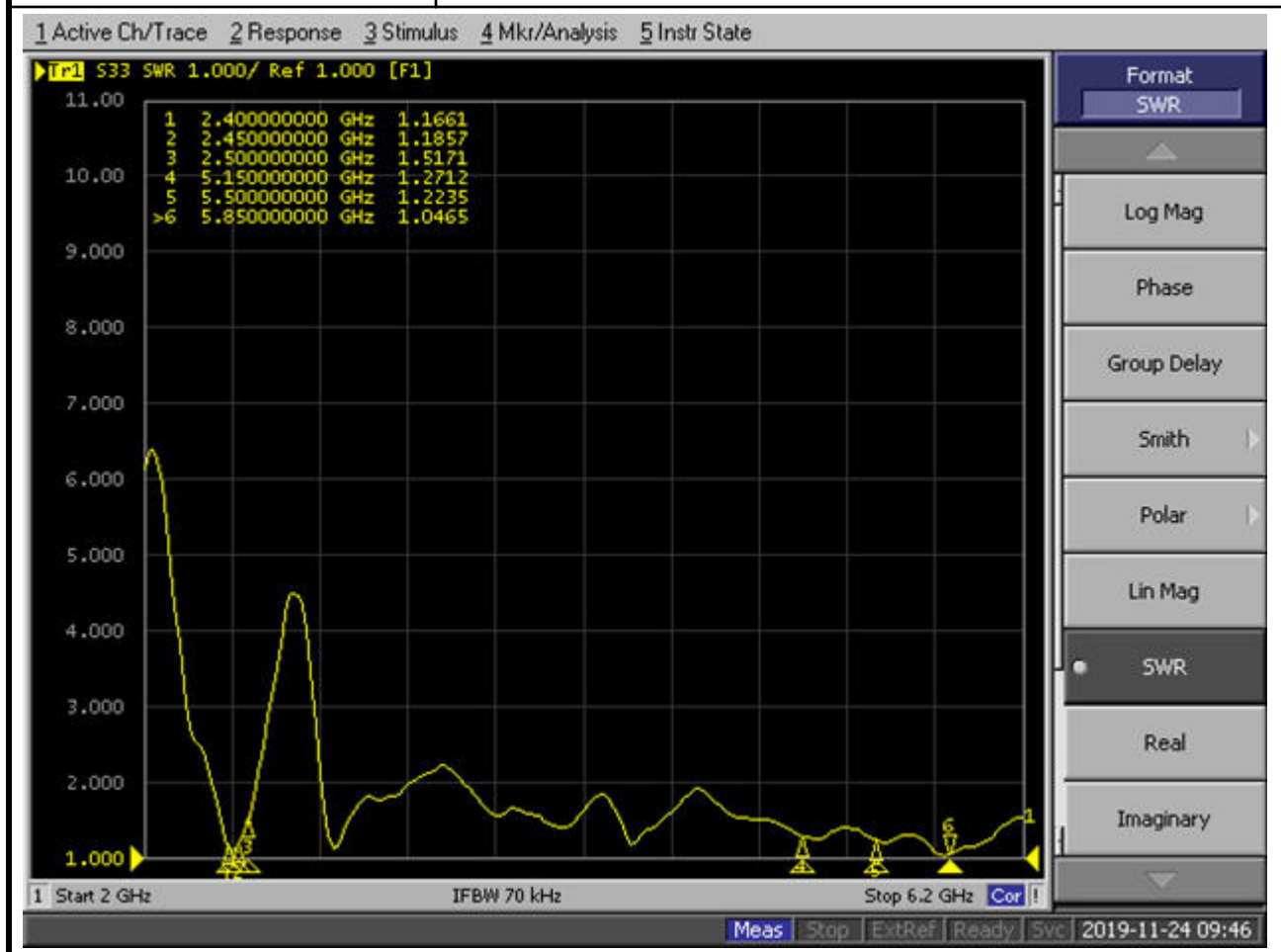
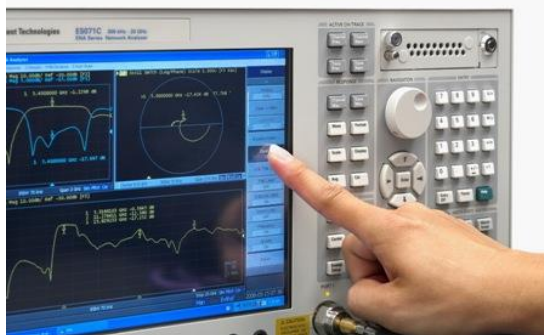
Electrical Properties	
Frequency	2400-2500/5150-5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	>2dBi
Efficiency	>48%
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF4
Physical Properties	
Antenna Material	PCB
Cable Type	O.D. 0.81mm // L=80mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black



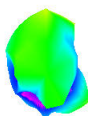
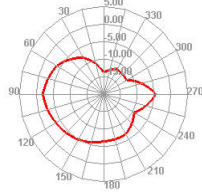
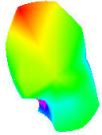
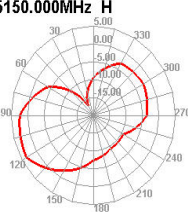
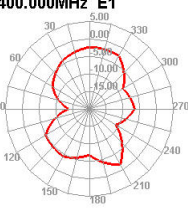
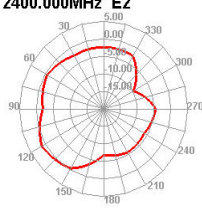
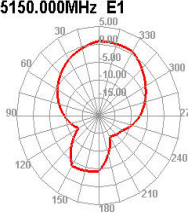
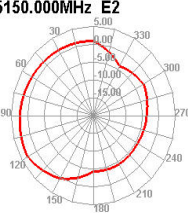
S 参数测试

S Parameter Test

Agilent E5071C

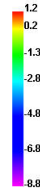
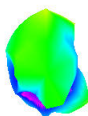


Gain, Efficiency

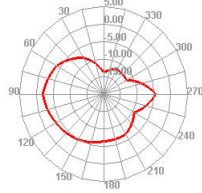
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
5150	60.83	3.84	2400	48.75	1.21
5175	53.53	2.87	2410	49.8	1.16
5200	54.4	3.74	2420	51.61	1.29
5225	52.33	2.98	2430	42.28	1.66
5250	49.78	3.28	2440	54.04	2.28
5275	48.94	2.92	2450	59.57	2.82
5300	53.82	3.72	2460	55.97	2.51
5325	43.04	2.74	2470	56.03	2.38
5350	75.43	5.63	2480	53.83	2
5375	57.46	4.2	2490	52.75	1.71
5400	66.99	4.73	2500	48.08	1.3
5425	50.61	3.31	2400.00MHz - 2500.00MHz        		
5450	65.42	4.62			
5475	55.62	2.63			
5500	65.64	4.33			
5525	62.65	2.9			
5550	65.95	4.16			
5575	50.22	2.68			
5600	67.6	4.18			
5625	51.4	2.85			
5650	68.99	4.05			
5675	63.77	2.47			
5700	65.55	4.09			
5725	50.86	2.75			
5750	66.43	3.89			
5775	50.95	2.75			
5800	63.75	3.88			
5825	54.72	3.13			
5850	63.83	3.81			

2400.00MHz - 2500.00MHz

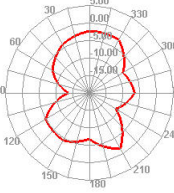
2400.000MHz



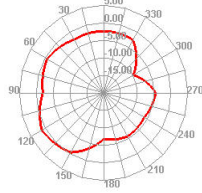
2400.000MHz H



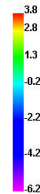
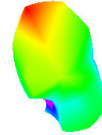
2400.000MHz E1



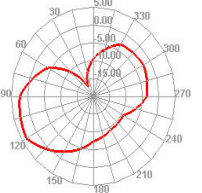
2400.000MHz E2



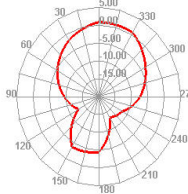
5150.000MHz



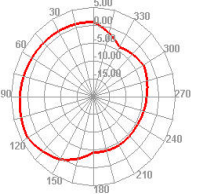
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



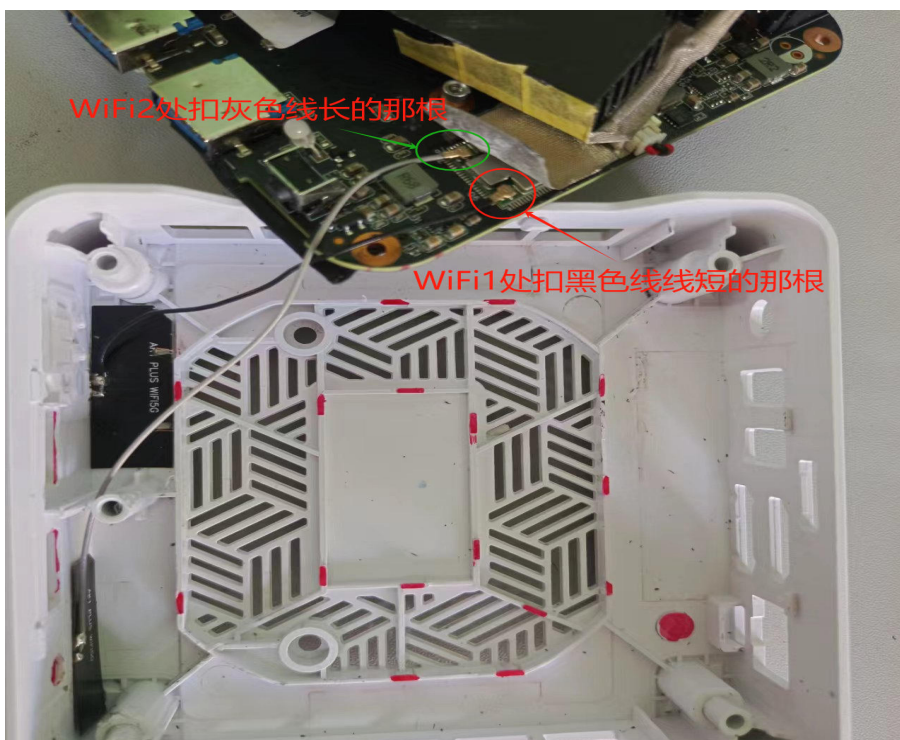
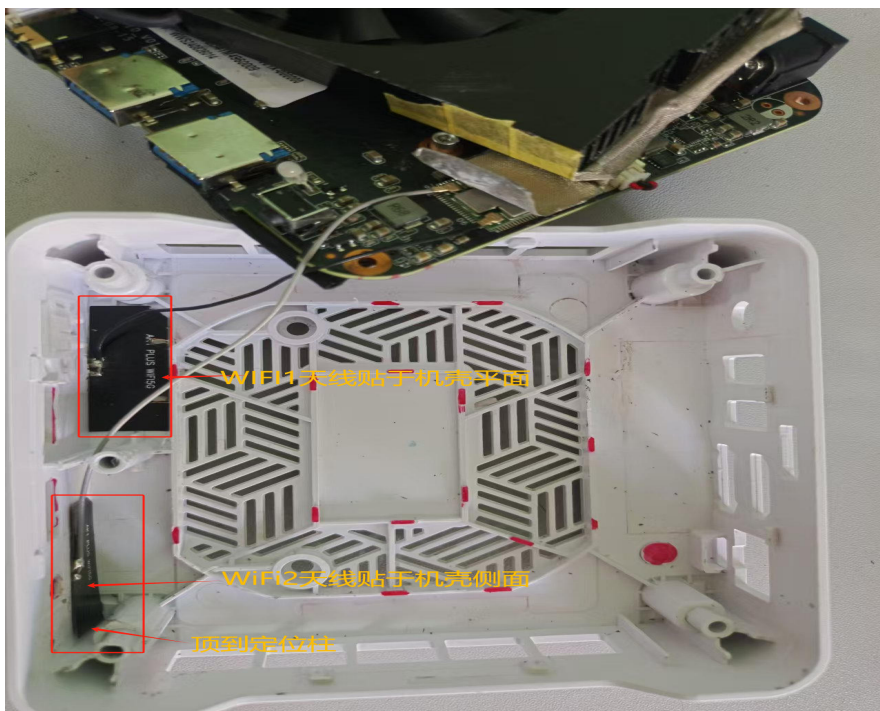


OTA测试报告

带宽 (MHz)	测试项	模式	速率(Mbps)	信道	频率(MHz)	测试值 (dbm)	测试项目
20	TRP	B	11	1	2412	16.6	HOA
				6	2437	17.6	
				11	2462	17.9	
		G	6	1	2412	13.2	
				6	2437	15.6	
				11	2462	14.5	
		N	MCS7	1	2412	12.5	
				6	2437	14.5	
				11	2462	13.6	
		A	6	36	5180	16.2	
				149	5745	17.5	
				165	5825	17.7	
	TIS	B	11	1	2412	-78	
				6	2437	-78	
				11	2462	-78	
		G	54	1	2412	-63	
				6	2437	-63	
				11	2462	-63	
		N	MCS7	1	2412	-58	
				6	2437	-58	
				11	2462	-58	
		A	54	1	2412	-71	
				6	2437	-71	
				11	2462	-71	



天线组装图



测试环境

	测试项目	设备
1. S参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B ×2 HP 8753D PROTEK A338
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS) 3. 频率误差 4. 屏灭、屏亮	1. 暗室: 广平 7x4x3 m (单探头 3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪: Agilent 8960 ×2 CMW500 ×3/CMU200
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)	1. 暗室: 7x4x3 m (24探头 3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 网络分析仪: Agilent E5071B

