



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

Dongguan Songhui Industrial Co., LTD

品 名:

Name of a part

HOA-WIF5G-1 antenna 0.81 Black cable 4th generation terminal L=80 MM

料 号:

Part Number

物 料 规 格

Material specification WIFI+BT antenna PCB+0.81 Black wire L=80mm 4-generation terminal

Tel: 0755-23596969

Company website: <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: 5F, 1 Building, Xiaza Industrial Zone, Zhaoh 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

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: _____

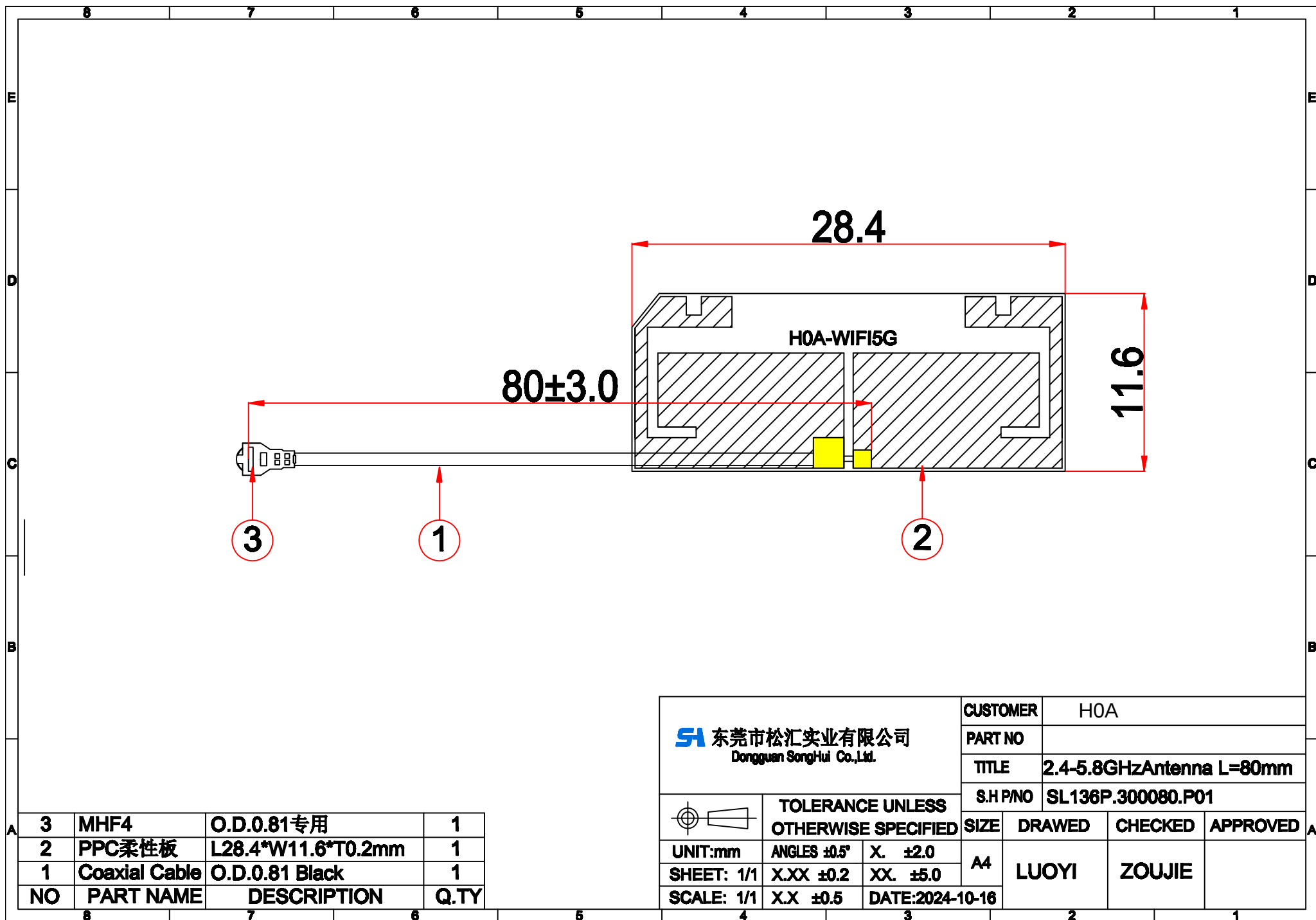
送样日期 Date:

送样数量 Q'TY: PCS

客户确认 CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

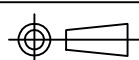
供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

SH-RD-F04-A



3	MHF4	O.D.0.81专用	1
2	PPC柔性板	L28.4*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		HOA			
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

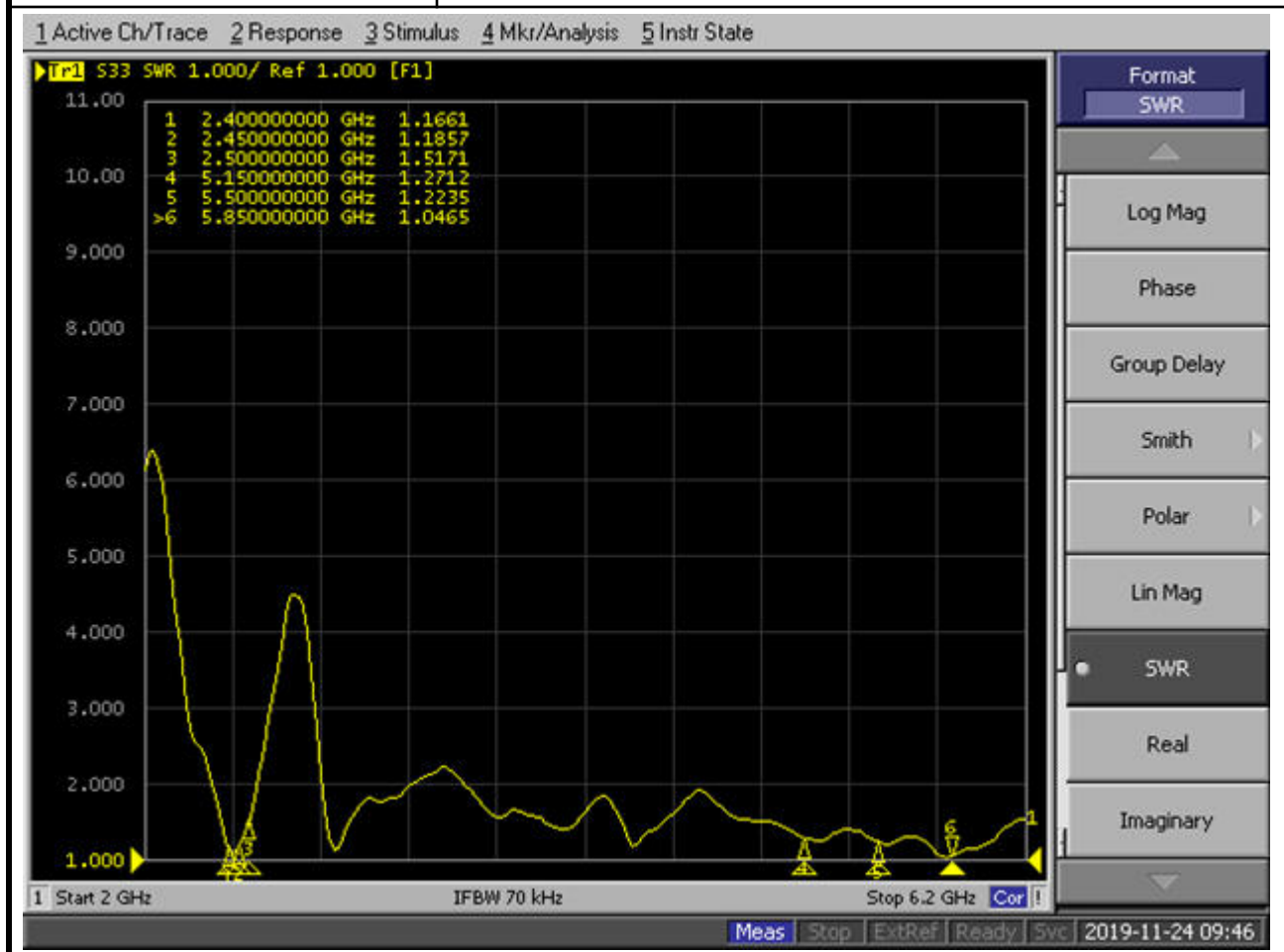
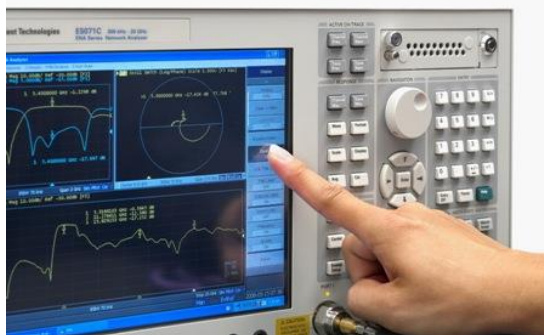
Electrical Properties	
Frequency	2400-2500/5150-5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	>2dBi
Efficiency	>48%
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF4
Physical Properties	
Antenna Material	PCB
Cable Type	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

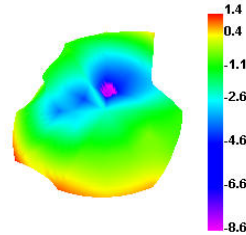
Agilent E5071C



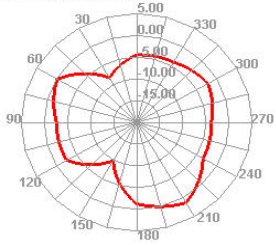
Gain, Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	49.73	1.36
2410	55.81	2.08
2420	53.03	2.2
2430	53.02	2.6
2440	49.15	2.46
2450	48.82	2.51
2460	52.57	2.78
2470	51.89	2.72
2480	50.89	2.76
2490	49.25	2.86
2500	52.33	3.34
Freq (MHz)	Effi (%)	Gain (dBi)
5150	45.89	2.12
5175	45.47	2
5200	44.23	1.67
5225	43.08	1.58
5250	40.22	1.27
5275	44.51	2
5300	41.86	2.17
5325	42.37	2.29
5350	47.82	3.36
5375	41.77	2.3
5400	51.34	2.82
5425	43.73	1.77
5450	45.49	2.4
5475	43.68	1.72
5500	52.45	2.47
5525	39.84	1.31
5550	39.07	2.7
5575	42.53	1.84
5600	40.57	3.31
5625	41.37	1.74
5650	47.14	2.77
5675	44.45	0.74
5700	47.14	2.57
5725	49.74	1.51
5750	48.29	2.92
5775	39.63	1.67
5800	42.78	2.97
5825	38.54	1.25
5850	43.66	2.53

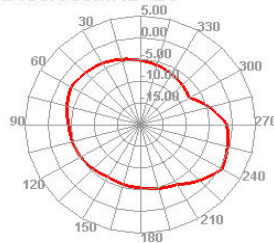
2400.000MHz



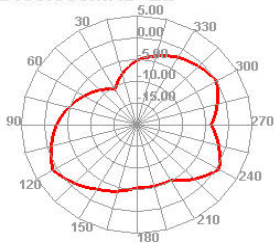
2400.000MHz H



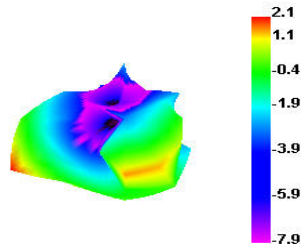
2400.000MHz E1



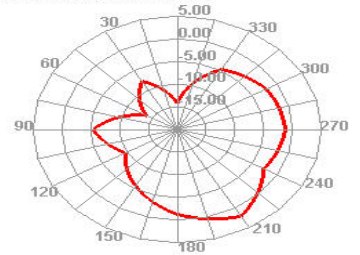
2400.000MHz E2



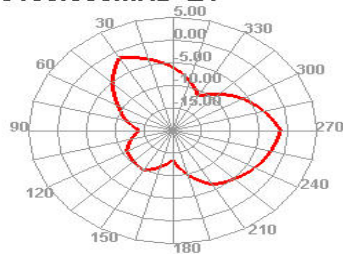
5150.000MHz



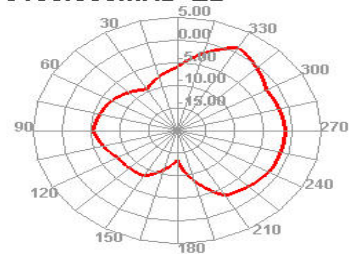
5150.000MHz H



5150.000MHz E1



5150.000MHz E2





OTA test report

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	



Antenna assembly diagram

