



Dongguan Songhui Co.,LTD

规格承认书
SPECIFICATION FOR APPROVAL

编号: 2024071801
File No.

版本: 1.0
Revision

型号 A1
Model: A1

客户料号
CUSTOMER NO:

品名 2.4-5.8GHz Antenna L=150MM
PART NAME:

供方料号 SL186P300067.P01
SUPPLIER NO:

送样日期 Date: 送样数量 Q'TY: PCS

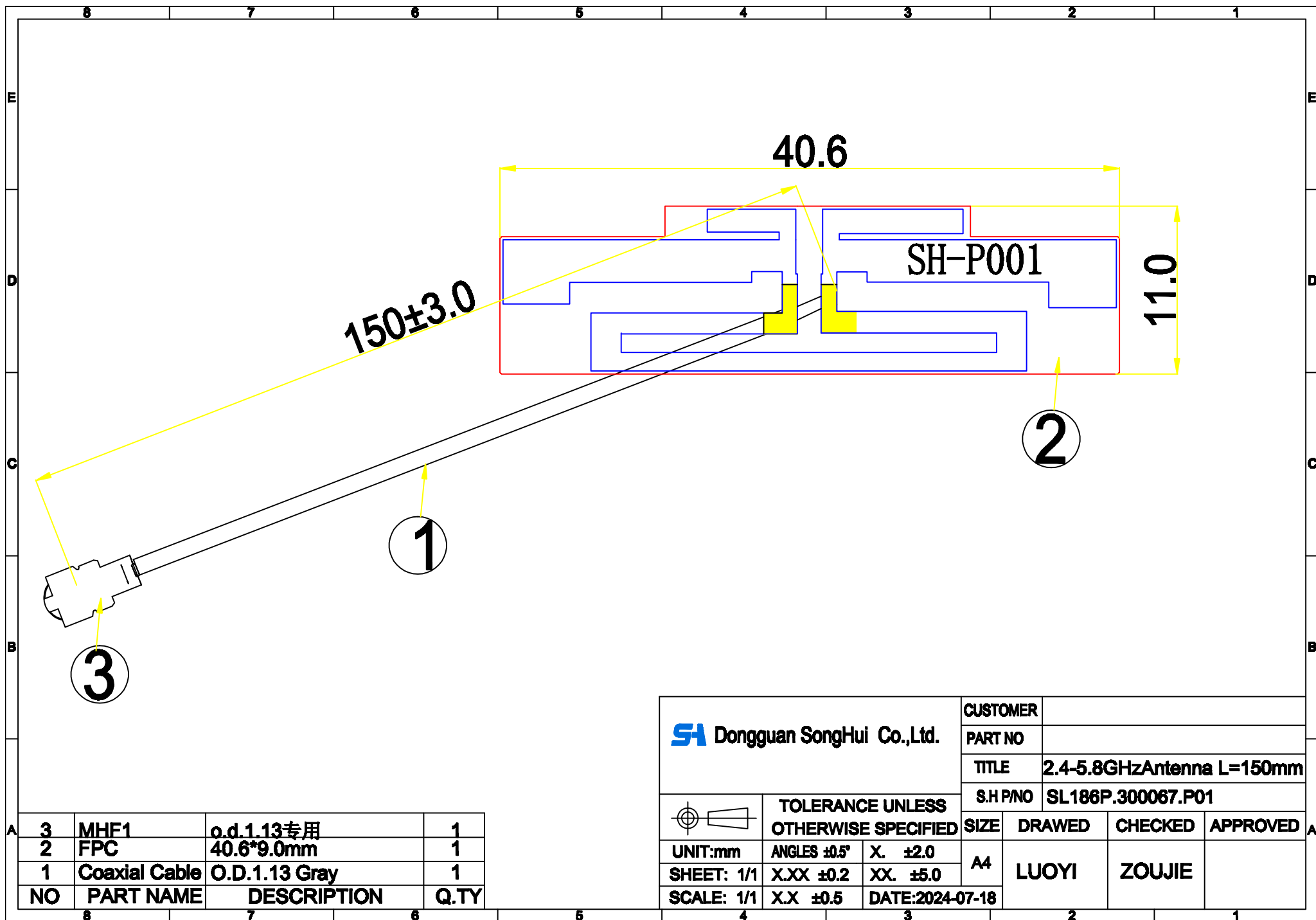
客户确认 CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

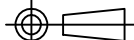
SH-RD-F04

承认书项目表

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3	MHF1	o.d.1.13专用	1
2	FPC	40.6*9.0mm	1
1	Coaxial Cable	O.D.1.13 Gray	1
NO	PART NAME	DESCRIPTION	Q.TY

 Dongguan SongHui Co.,Ltd.			CUSTOMER			
			PART NO			
			TITLE		2.4-5.8GHzAntenna L=150mm	
			S.H P/NO		SL186P.300067.P01	
	TOLERANCE UNLESS OTHERWISE SPECIFIED		SIZE	DRAWED	CHECKED	APPROVED
UNIT:mm	ANGLES ±0.5°	X. ±2.0	A4	LUOYI	ZOUJIE	
SHEET: 1/1	X.XX ±0.2	XX. ±5.0				
SCALE: 1/1	X.X ±0.5	DATE:2024-07-18				



电 性 测 试 报 告

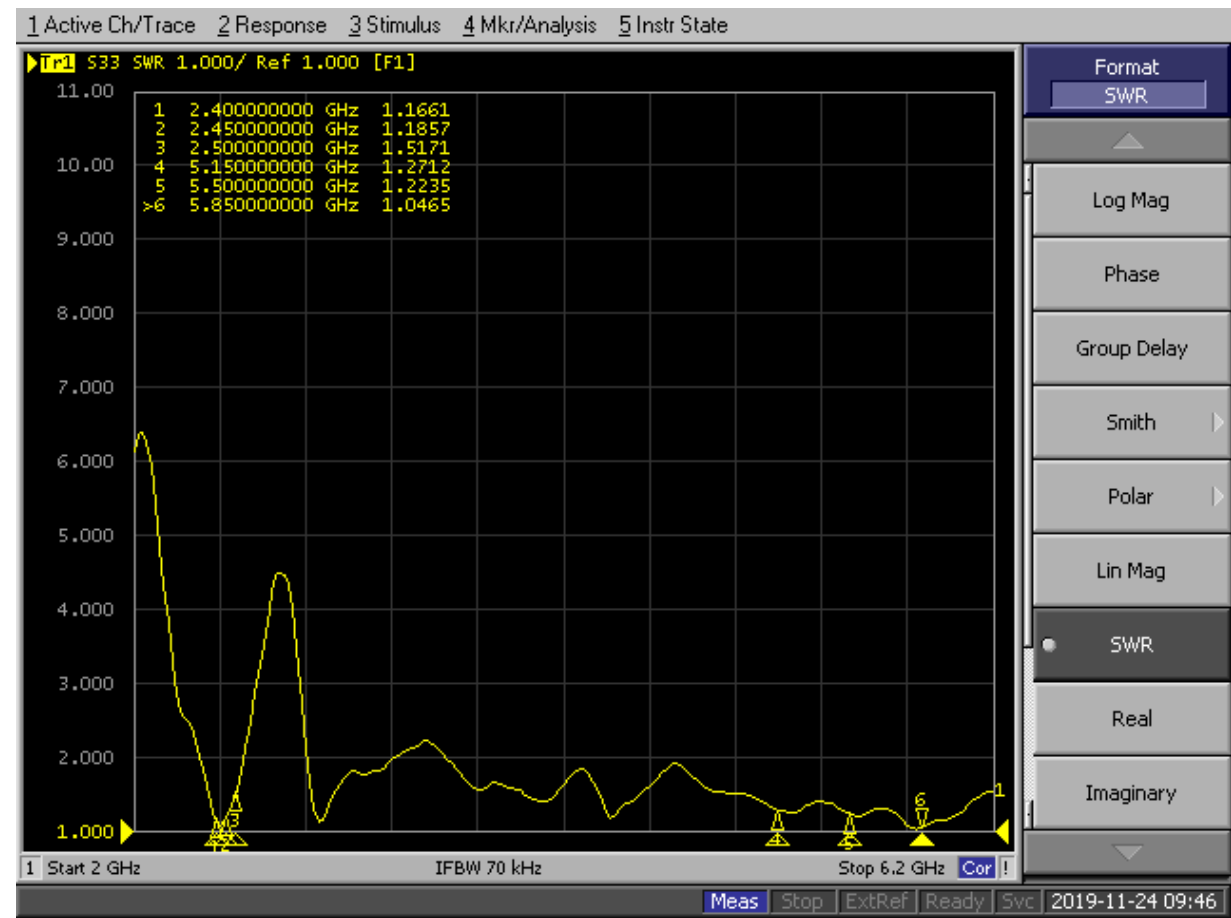
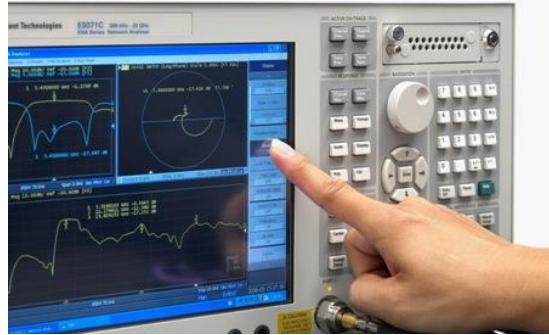
Test Reports

Electrical Properties	
Frequency	2.4~2.5GHz 5.15~5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	4.01dBi for 2.4GWIFI;3.4dBi for 5GWIFI
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHFone generation
Physical Properties	
Antenna Material	PCB柔性板
Cable Type	O.D. 1.13mm // L= 150mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	BLACK

S 参数测试

S Parameter Test

Agilent E5071C

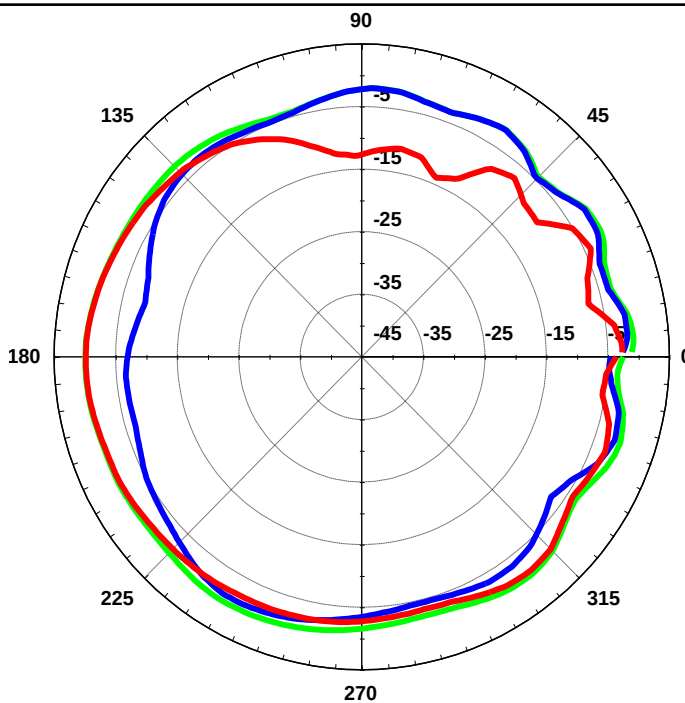




Dongguan Songhui Co.,LTD

增益测试 Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



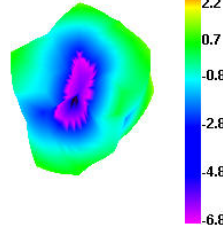
add: No. 24 Juxiang Second Road, Xiangwei Village, Dalang Town, Dongguan City
TEL:18688665308 FAX:0769-82226175

Gain, Efficiency

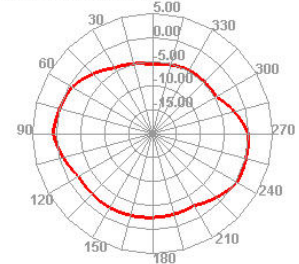
Freq (MHz)	Effi (%)	Gain (dBi)
2400	73.77	3.15
2410	84.89	3.74
2420	84.77	3.79
2430	83.1	3.86
2440	79.3	3.86
2450	79.78	3.96
2460	81.89	4.01
2470	81.63	3.91
2480	84.47	3.96
2490	84.66	3.89
2500	87.35	3.94

2400.00MHz - 2500.00MHz

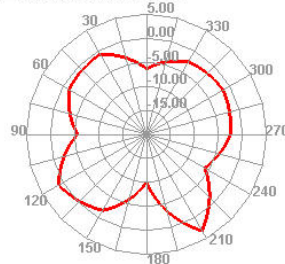
2400.000MHz



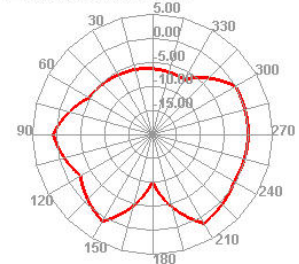
2400.000MHz H



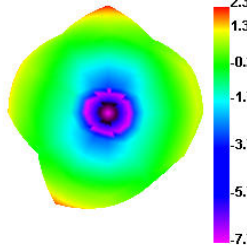
2400.000MHz E1



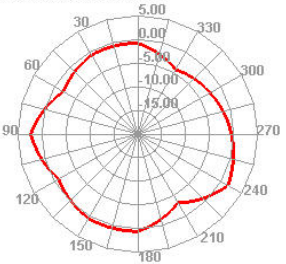
2400.000MHz E2



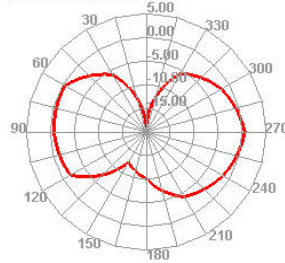
5100.000MHz



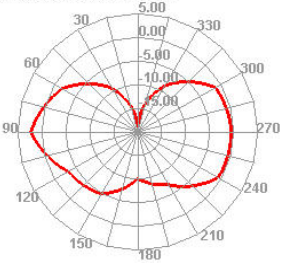
5100.000MHz H



5100.000MHz E1



5100.000MHz E2



5100.00MHz - 5900.00MHz

Freq (MHz)	Effi (%)	Gain (dBi)
5100	58.26	2.3
5150	57.2	2.25
5200	51.57	1.83
5250	48.6	1.64
5300	56.89	2.07
5350	57.1	1.75
5400	71.62	2.53
5450	60.59	1.1
5500	61.62	1.24
5550	66.88	1.44
5600	65.71	1.89
5650	66.69	1.82
5700	64.32	2.65
5750	65.12	2.51
5800	68.67	3.24
5850	72.54	3.4
5900	69.18	3.33