

Material acceptance

Manufacturer Dongguan Songhui Industrial Co., Ltd.

Name of a part FPC WIFI01 Antenna

Part Number 2300-W101S1-01

Material specification FPC WIFI Antenna 40.6*11.0MM/MHF1 1.13 Black Wire L=100

Fabrication	Examine and verify	Ratify

Tel:0769-82226176

Add: No. 24, Ju Xiang Second Road, Xiang Wei Village, Dalang Town, Dongguan City



SPECIFICATION FOR APPROVAL

File No 2026011302

Revision 1.0

CUSTOMER: _____

CUSTOMER NO: 2300-W101S1-01

PART NAME: **WIFI 01 Antenna L= 100MM**SUPPLIER NO: **SL186P.300081.P01**

Date: _____

Q'TY: _____ PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

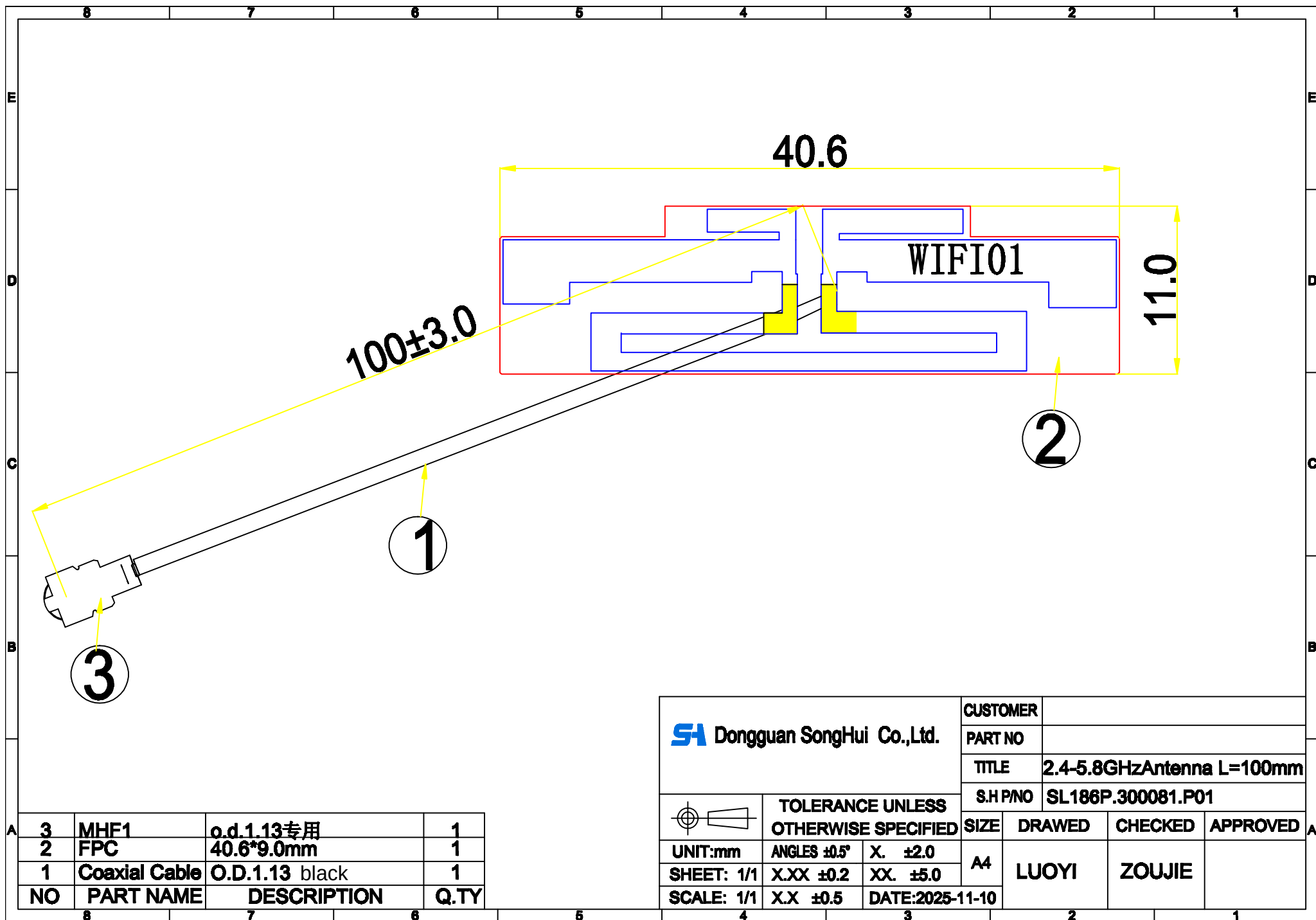
SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

SH-RD-F04



承认书项目表

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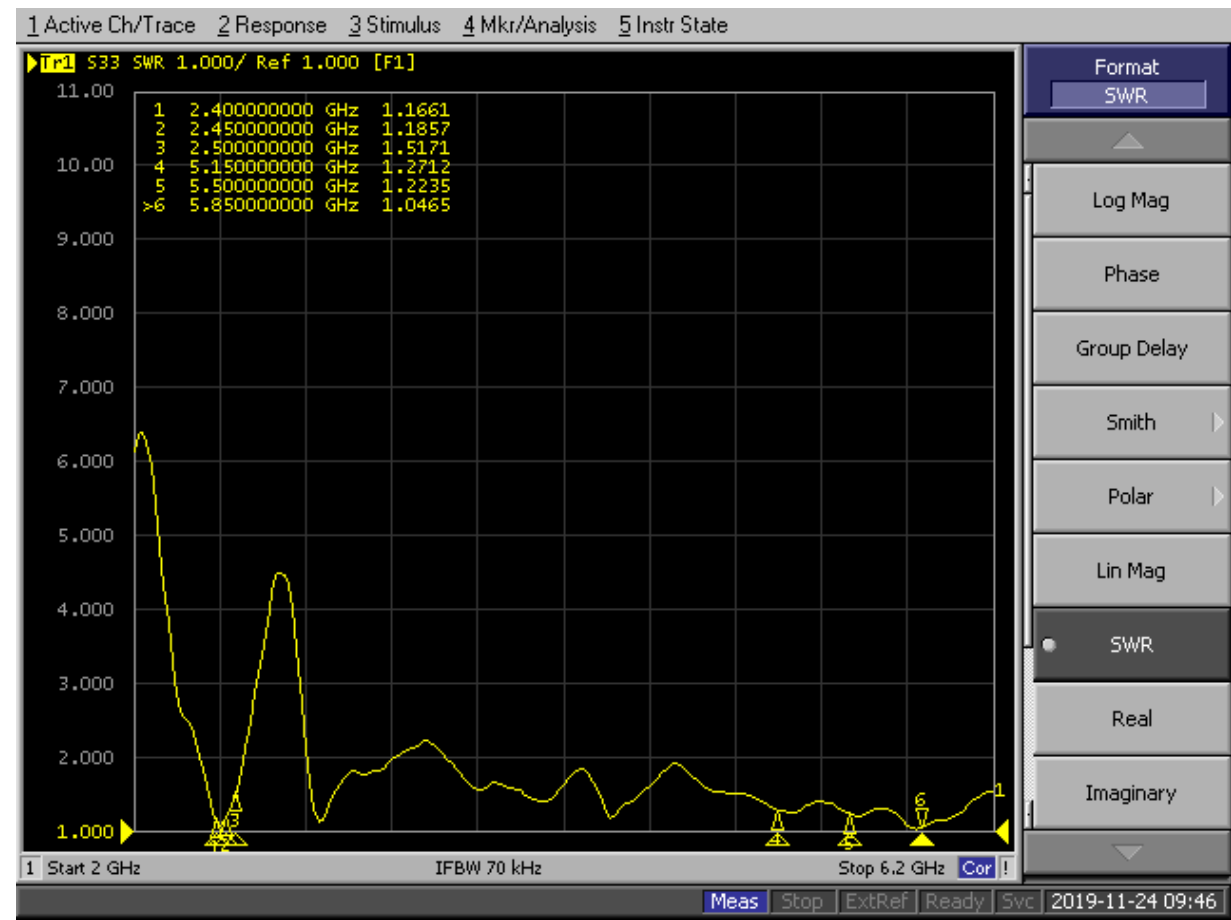
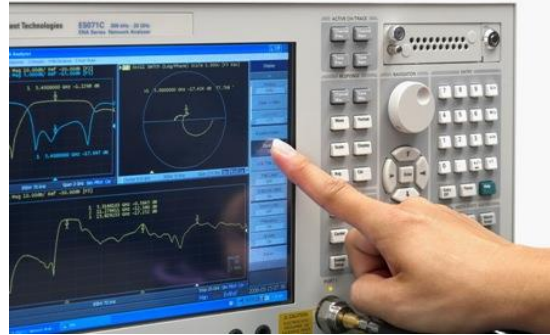
Test Reports

Electrical Properties	
Frequency	2.4~2.5/5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (MAX)	2.45GHz/2.78dBi 5.5GHz/ 2.69dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF1
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // L= 100mm
Operating Temp.	-40 ~ +80°C
Storage Temp.	-40 ~ +80 °C
Cable Color	Black

add: 东莞市大朗镇佛新聚祥二路26号 电话: 0769-82226176 传真: 0769-82226175

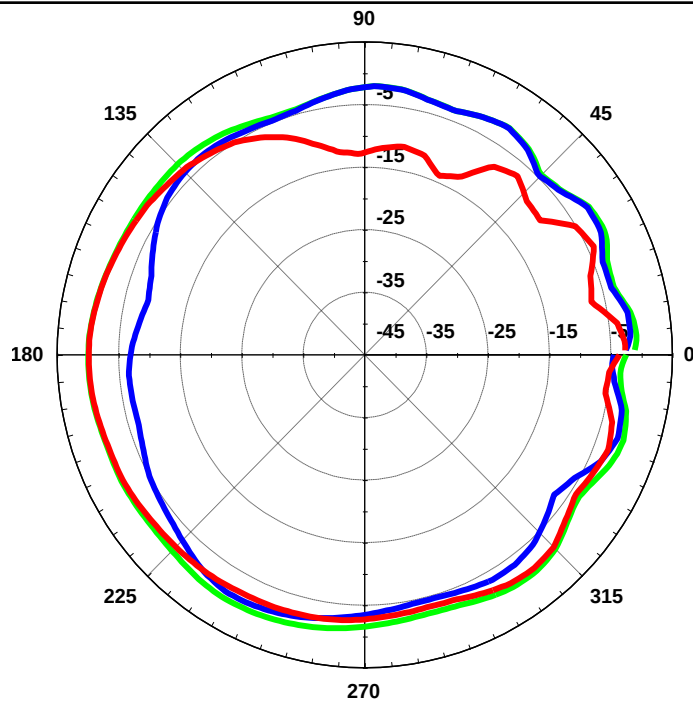
S Parameter Test

Agilent E5071C



Gain Test

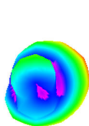
*Antenna
Radiation
Pattern
VS
Gain*



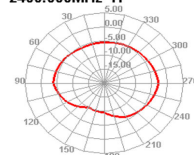
Gain, Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	60.72	2.58
2410	63.01	2.76
2420	60.95	2.57
2430	63.58	2.71
2440	61.67	2.63
2450	63.36	2.78
2460	62.82	2.78
2470	64.06	2.74
2480	67.4	2.77
2490	72.73	2.89
2500	68.48	2.48

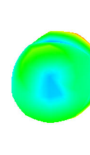
2400.000MHz



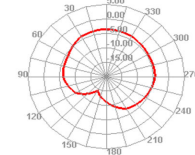
2400.000MHz H



2450.000MHz



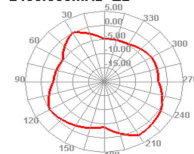
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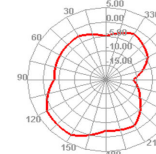
2400.000MHz E1



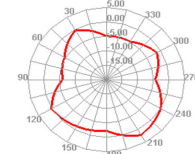
2400.000MHz E2



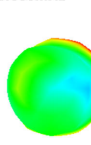
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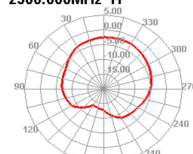
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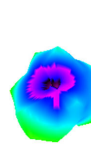
2500.000MHz



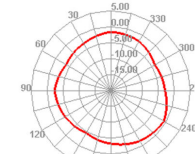
2500.000MHz H



5150.000MHz



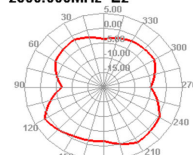
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2500.000MHz E1



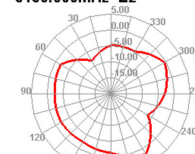
2500.000MHz E2



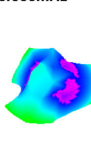
5150.000MHz E1



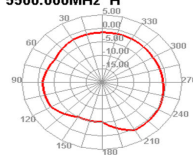
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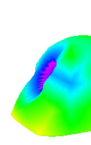
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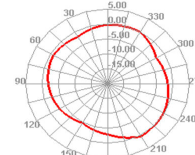
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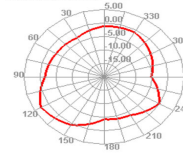
5850.000MHz



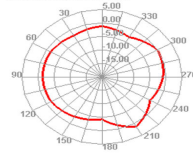
5850.000MHz H



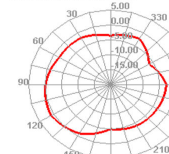
5500.000MHz E1



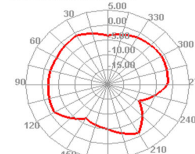
5500.000MHz E2



5850.000MHz E1



5850.000MHz E2



5150.00MHz - 58!