

Material acceptance

Manufacturer Dongguan Songhui Industrial Co., Ltd.

Name of a part FPC WIFI Antenna

Part Number 2300-W221S1-01

Material specification FPC WIFI Antenna 40.6*11.0MM/MHF1 1.13 Gray Wire L=220

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-W221S1-01

PART NAME: **WIFI Antenna L=220MM**SUPPLIER NO: **SL186P.300080.P01**

Date: _____

Q'TY: _____ PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

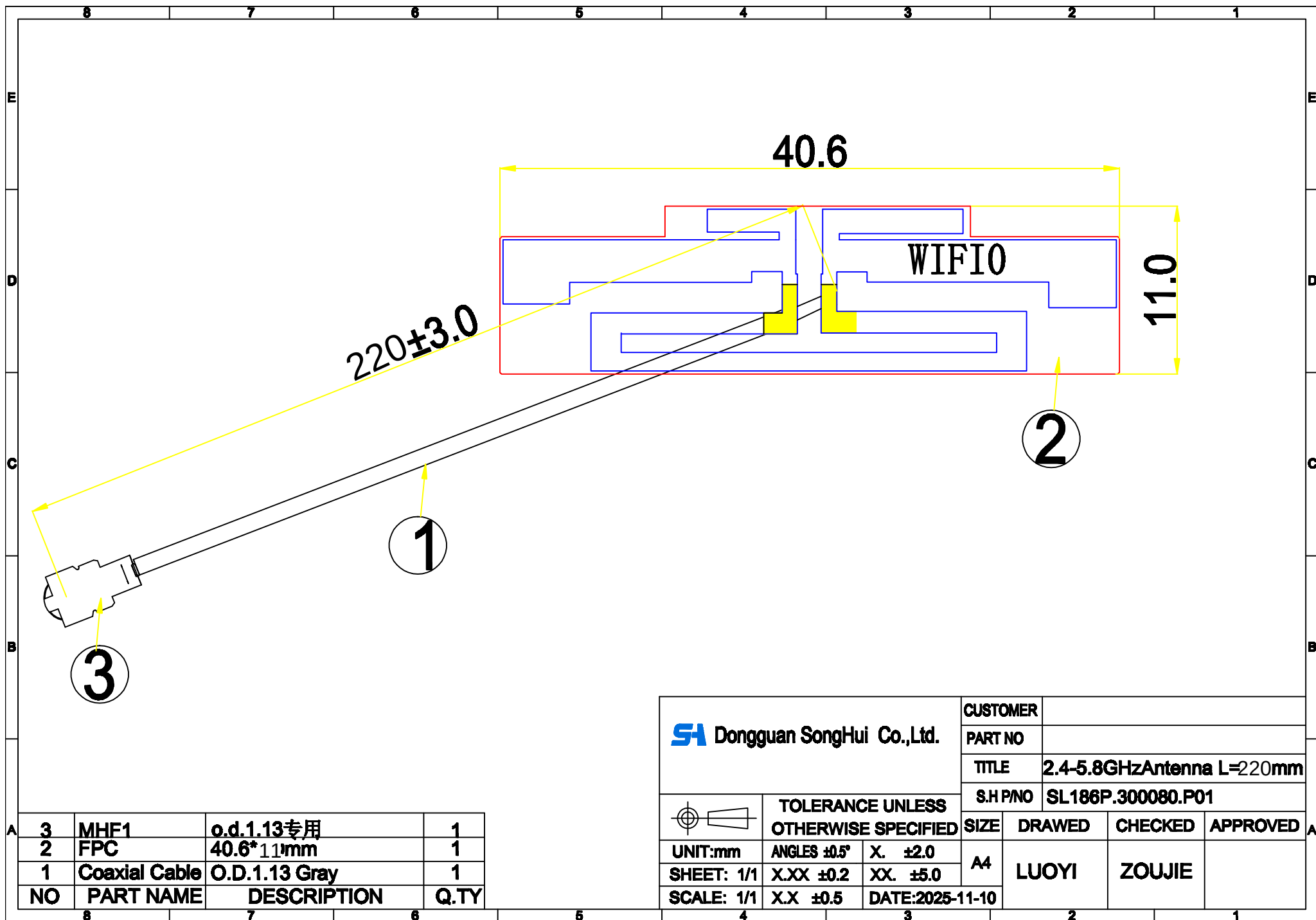
SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

SH-RD-F04



承认书项目表

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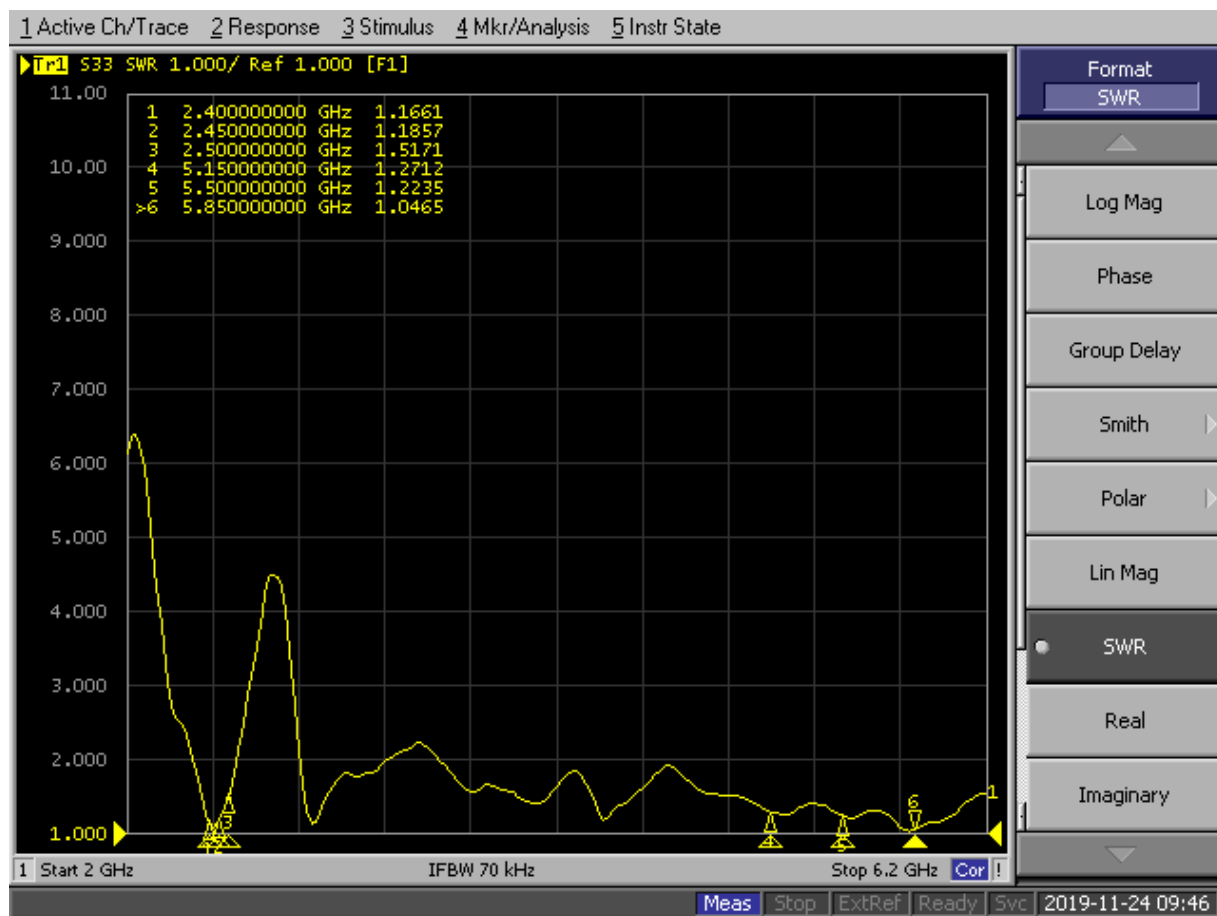
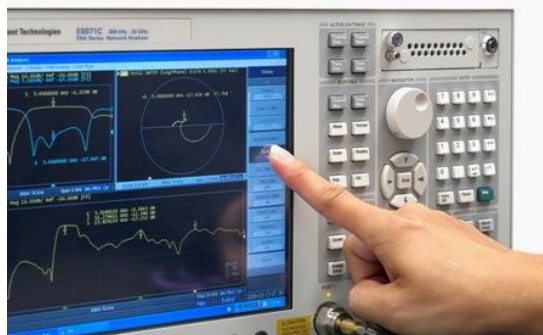
Test Reports

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/3.4dBi 5.5GHz/ 2.79dBi
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= 220mm
Operating Temp.	-40 ~ +60 °C
Storage Temp.	-40 ~ +70 °C
Cable Color	GRAY

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

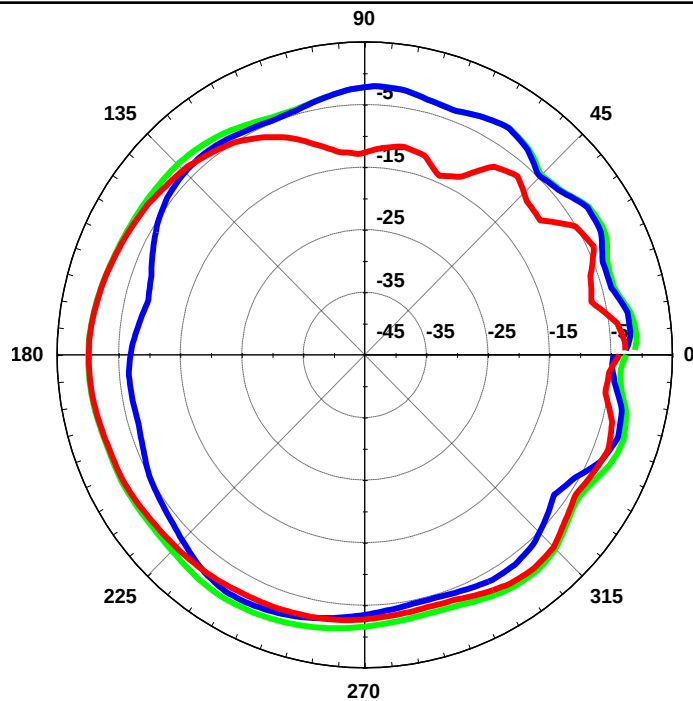
S Parameter Test

Agilent E5071C



Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



Gain, Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	60.98	3.2
2410	60.76	3.04
2420	58.52	2.84
2430	59.83	2.91
2440	62.75	3.11
2450	66.04	3.4
2460	69.62	3.6
2470	74.01	3.98
2480	73.05	3.94
2490	65.69	3.49
2500	59.77	3.1

Freq (MHz)	Effi (%)	Gain (dBi)
5150	60.44	3.15
5200	52.75	2.52
5250	46.42	2.02
5300	58.13	2.56
5350	54.63	2.23
5400	41	1
5450	56.17	2.6
5500	54.05	2.79
5550	63.01	3.76
5600	59.63	3.9
5650	63.24	4.36
5700	52.39	3.02
5750	54.46	2.63
5800	53.04	2.11
5850	54.04	2.7

