

SPECIFICATION FOR APPROVAL

File No. 2021111901

Revision 1.0

北科视频

CUSTOMER: _____

2300-W1011D-01

CUSTOMER NO: _____

2.4GHz Antenna L=100MM

PART NAME: _____

SL186P.300046.P01

SUPPLIER NO: _____

Date:

Q'TY:

PCS

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
sunny	ZouJie	LuoYi

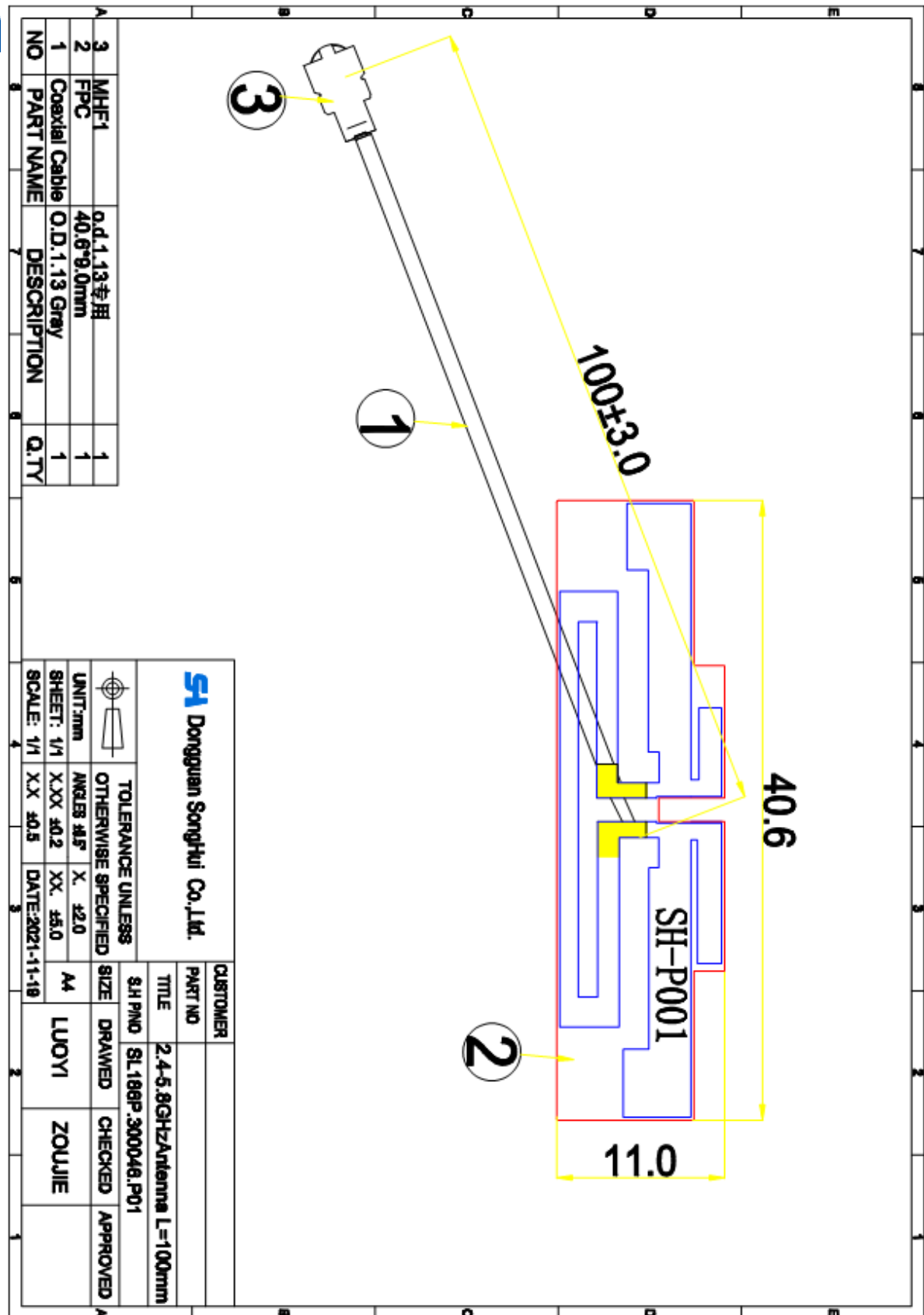
add: No. 26, Foxin Juxiang 2nd Road, Dalang Town, Dongguan
City: 0769-82226176 fax: 0769-82226175



Acknowledgment item list

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3	MHF1	φd.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

SH Dongguan Songhui Co., Ltd.			
TOLERANCE UNLESS OTHERWISE SPECIFIED		CUSTOMER	
UNIT:mm	ANGLES:15°	SIZE	PART NO
SHEET: 1/1	XX: ±0.2	A4	2.4-5.8GHzAntenna L=100mm
SCALE: 1/1	XX: ±0.5	DATE:2021-11-18	SL186P-300046.P01
DRAWN		CHECKED	APPROVED
LUOYI		ZOUJIE	

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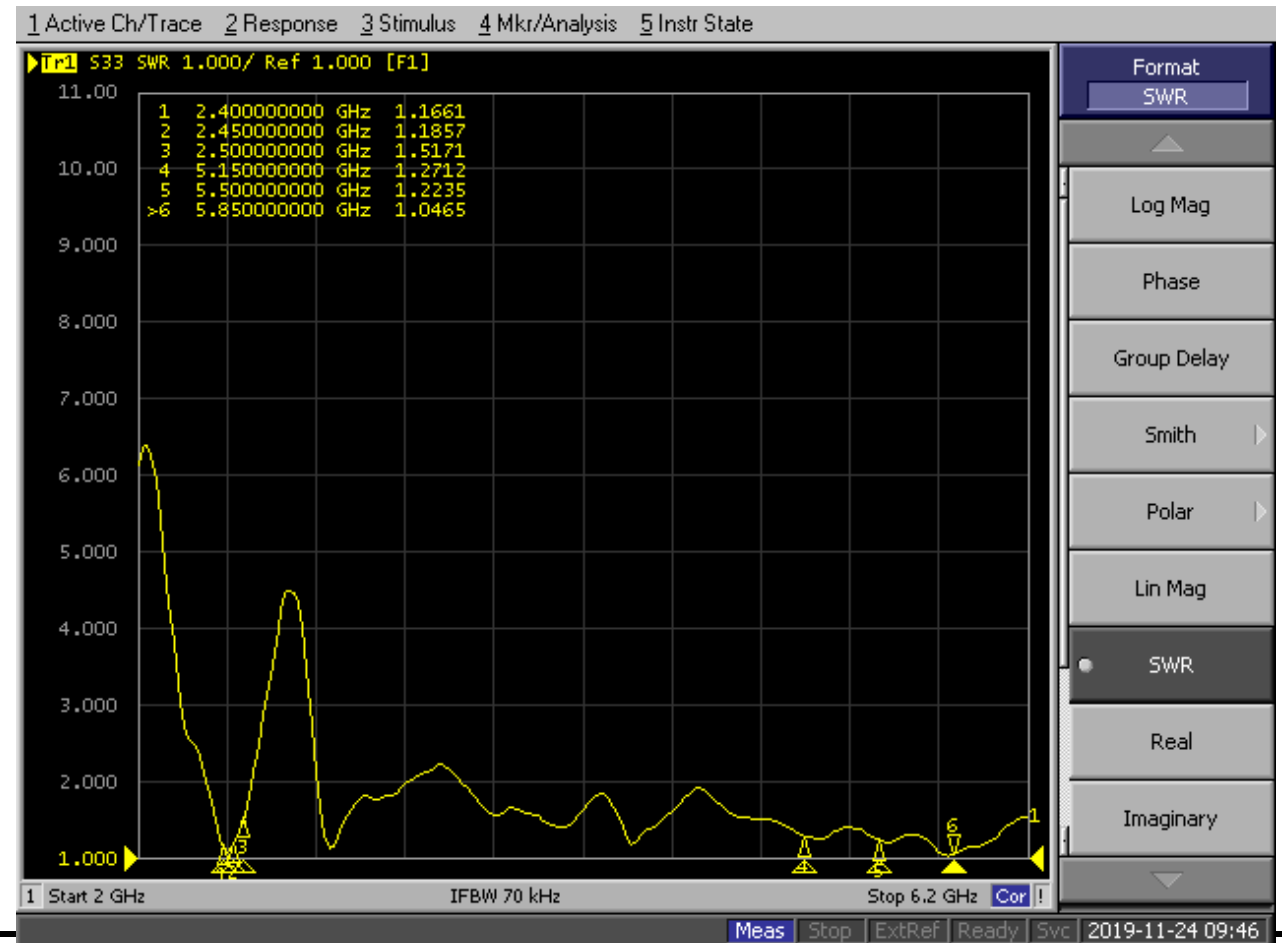
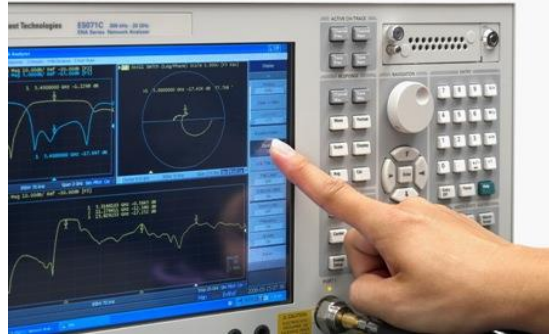
Test Reports

Electrical Properties	
Frequency	2.4-5.8GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	3dBi
Cable Loss	3.2dB / 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.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	GRAY

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S Parameter Test

Agilent E5071C



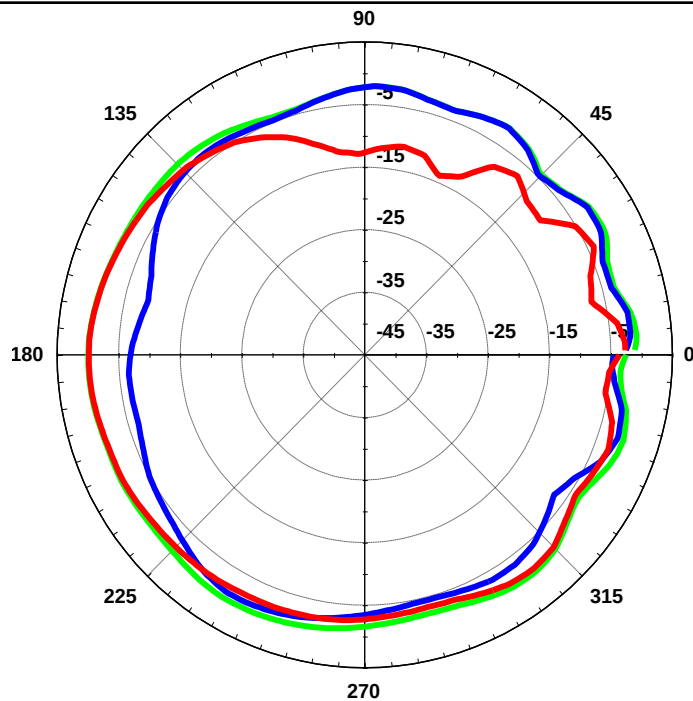
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增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



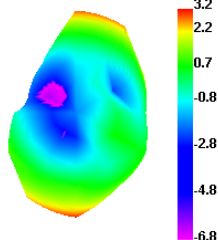
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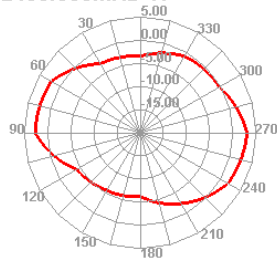
Freq (MHz)	Effi (%)	Gain (dBi)
2400	71.08	3.2
2410	71.26	3.28
2420	69.01	3.23
2430	70.8	3.49
2440	67.33	3.41
2450	68.61	3.53
2460	63.87	3.14
2470	61.53	2.74
2480	62.87	2.54
2490	68.06	2.77
2500	65.5	2.75

Freq (MHz)	Effi (%)	Gain (dBi)
5150	55.88	2.57
5200	51.65	2.47
5250	51.61	2.39
5300	53.79	2.6
5350	66.51	2.99
5400	72.23	3.75
5450	70.19	2.59
5500	58.5	1.81
5550	58.05	1.95
5600	61.17	2.99
5650	66.96	3.41
5700	73.22	3.79
5750	77.19	4.5
5800	73.34	4.96
5850	65.81	4.73

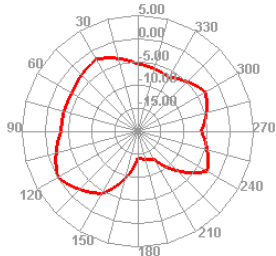
2400.000MHz



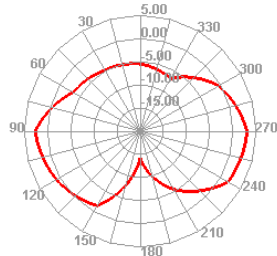
2400.000MHz H



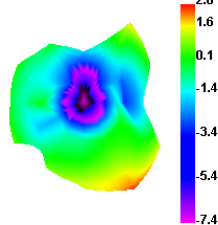
2400.000MHz E1



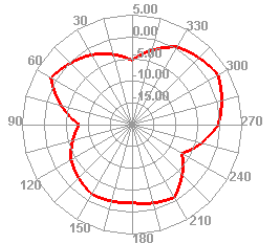
2400.000MHz E2



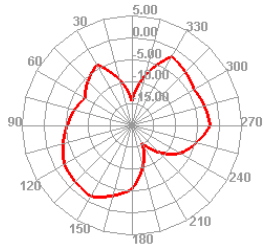
5150.000MHz



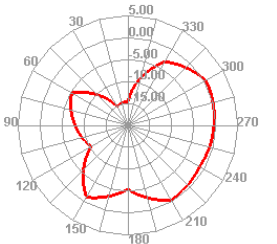
5150.000MHz H



5150.000MHz E1

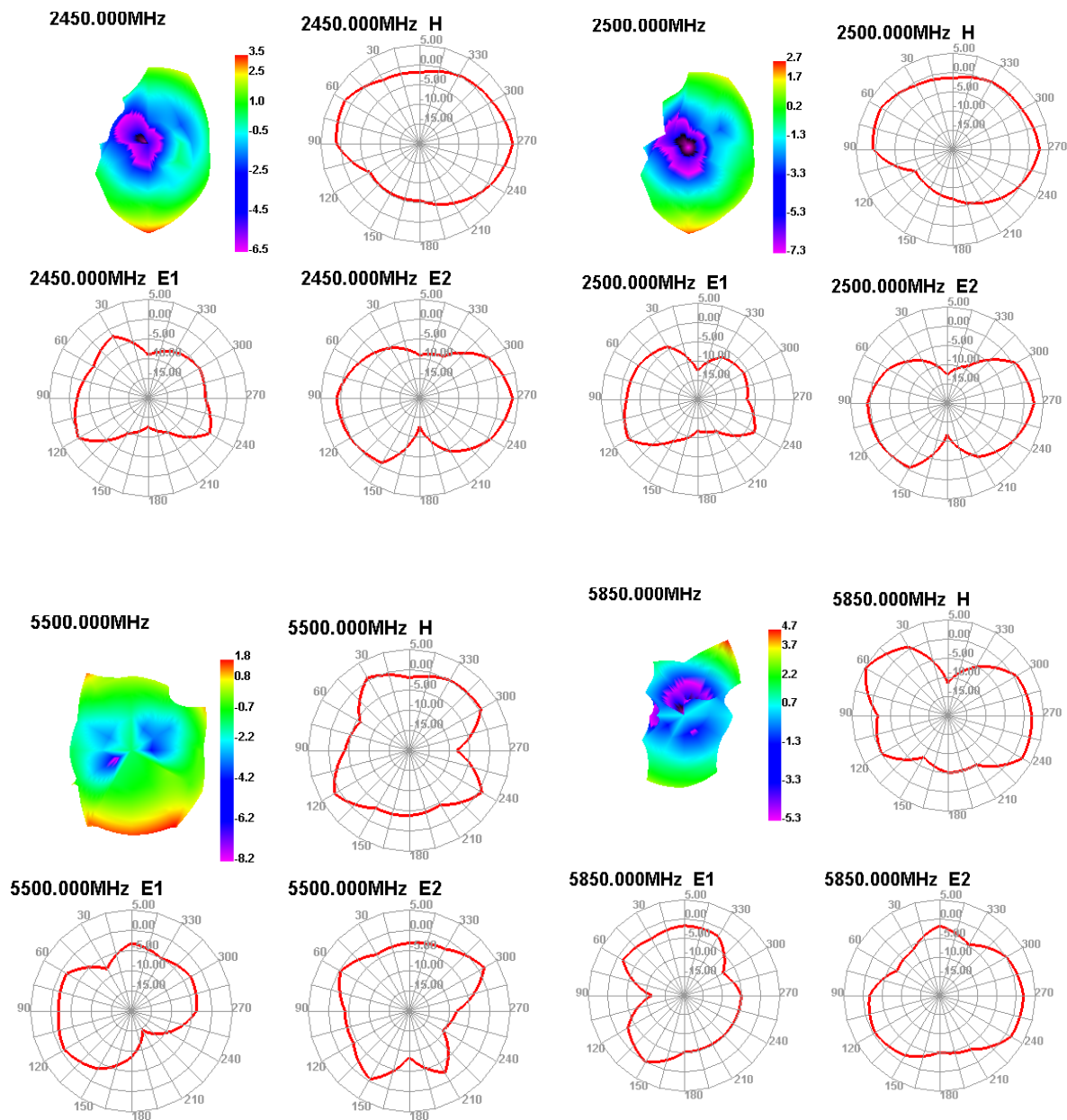


5150.000MHz E2





天线方向图



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