



规格承认书

SPECIFICATION FOR APPROVAL

编号: 20201112

File No.

版本: 1.0

Revision

客户 北科视频

CUSTOMER: _____

客户料号 2300-W1201D-01

CUSTOMER NO: _____

品名 2.4-5.8GHz Antenna L=200MM

PART NAME: _____

供方料号 SL186P.300040.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

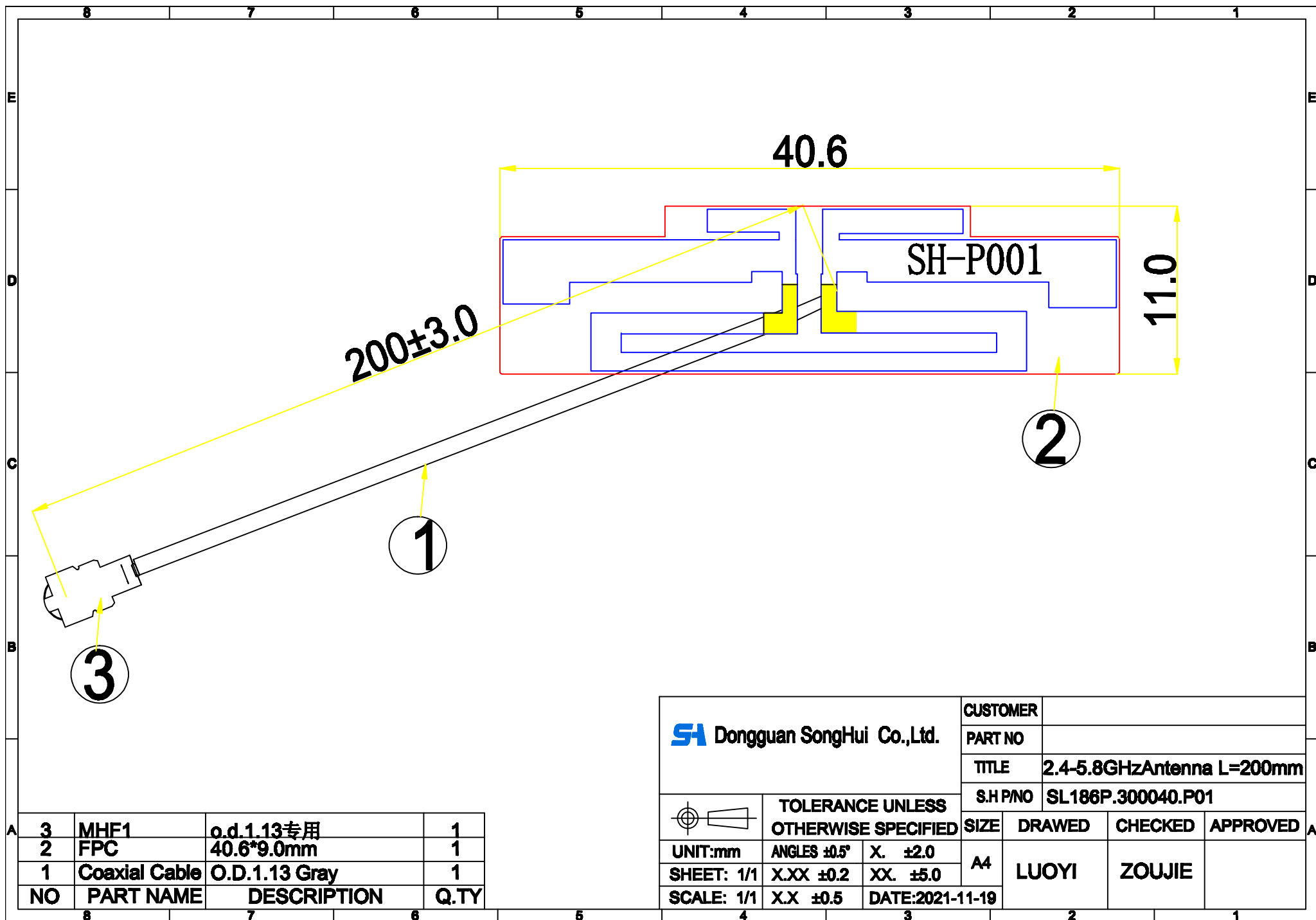
LuoYi

SH-RD-F04

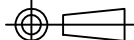


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3	MHF1	o.d.1.13专用	1
2	FPC	40.6*9.0mm	1
1	Coaxial Cable	O.D.1.13 Gray	1
NO	PART NAME	DESCRIPTION	Q.TY

 Dongguan SongHui Co.,Ltd.			CUSTOMER			
			PART NO			
			TITLE		2.4-5.8GHzAntenna L=200mm	
			S.H P/NO		SL186P.300040.P01	
	TOLERANCE UNLESS OTHERWISE SPECIFIED		SIZE	DRAWED	CHECKED	APPROVED
UNIT:mm	ANGLES $\pm 0.5^{\circ}$	X. ± 2.0	A4	LUOYI	ZOUJIE	
SHEET: 1/1	X.XX ± 0.2	XX. ± 5.0				
SCALE: 1/1	X.X ± 0.5	DATE:2021-11-19				



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)	3dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF一代
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // L= 200mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	GRAY

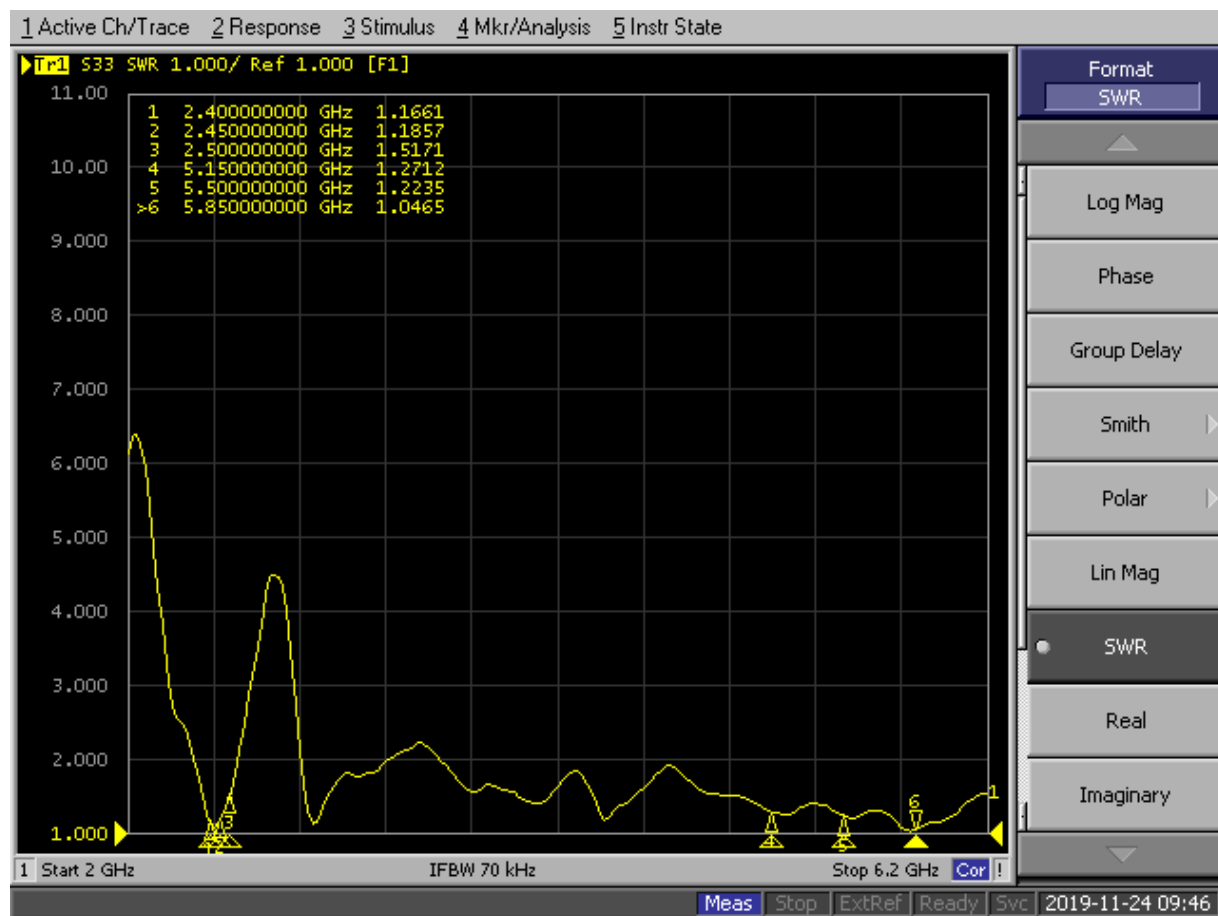
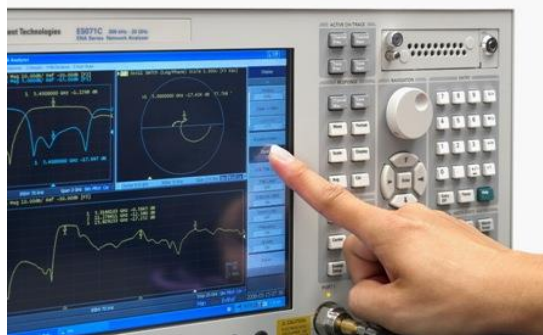
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S 参数测试

S Parameter Test

Agilent E5071C



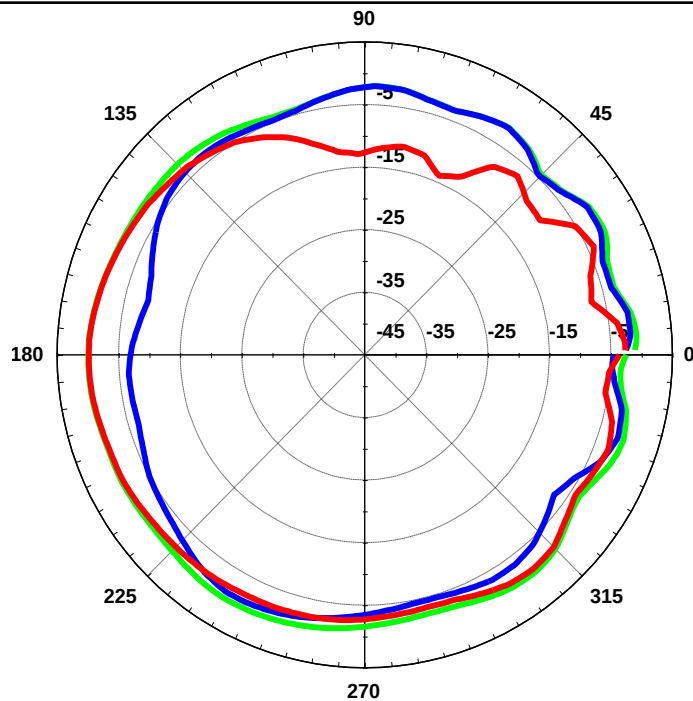
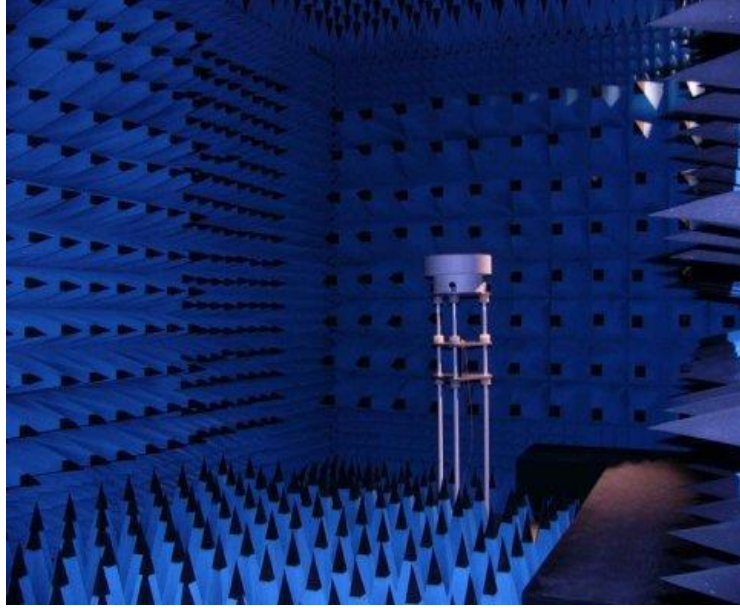
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增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



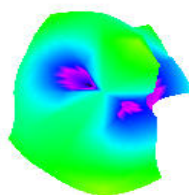


带宽 (MHz)	测试项	模式	速率(Mbps)	信道	频率(MHz)	测试值 (dbm)	测试项目
20	TRP	B	11	1	2412	16.39	PR405
				6	2437	15.82	
				11	2462	16.04	
		G	6	1	2412	12.87	
				6	2437	12.06	
				11	2462	13.22	
		N	MCS7	1	2412	14.14	
				6	2437	14.79	
				11	2462	16.85	
		A	6	36	5180	13.77	
				149	5745	15.96	
				165	5825	15.73	
	TIS	B	11	1	2412	-84.3	
				6	2437	-81.3	
				11	2462	-82.61	
		G	54	1	2412	-67.71	
				6	2437	-62.48	
				11	2462	-64.37	
		N	MCS7	1	2412	-63.39	
				6	2437	-63.94	
				11	2462	-63.45	
		A	54	1	2412	-67.98	
				6	2437	-64.46	
				11	2462	-64.63	

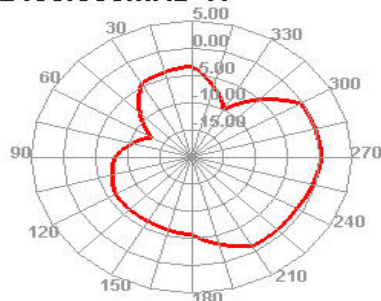


Freq (MHz)	Effi (%)	Gain (dBi)
2400	49.55	2.78
2410	48.09	2.95
2420	49.58	3.29
2430	47.6	3.33
2440	52.78	3.98
2450	54.27	4.21
2460	56.55	4.47
2470	53.23	4.14
2480	53.45	4.16
2490	50.37	4
2500	51.64	4.28

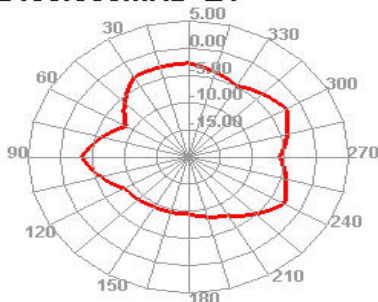
2400.000MHz



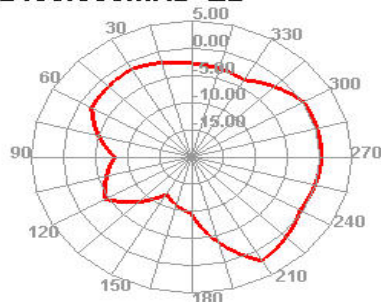
2400.000MHz H



2400.000MHz E1

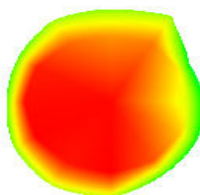


2400.000MHz E2

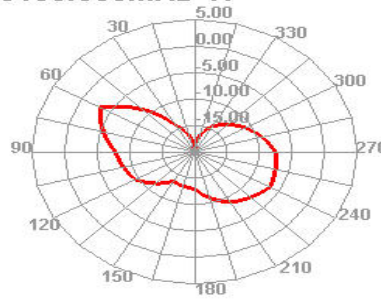


(MHz)	(%)	(dBi)
5100	44.6	2.24
5125	46.12	2.58
5150	46.75	2.75
5175	47.62	2.82
5200	45.07	2.29
5225	48.55	2.75
5250	40.48	1.84
5275	45.36	2.85
5300	41.7	2.63
5325	47.59	3.35
5350	45.58	3.2
5375	40.04	3.29
5400	48.32	4.12
5425	40.33	3.38
5450	44.44	3.27
5475	39.97	3.49
5500	47.52	4.31
5525	44.91	3.96
5550	47.11	4.91
5575	38.82	3.89
5600	43.34	4.28
5625	46.13	3.59
5650	45.32	4.73
5675	49.18	3.84
5700	50.73	4.8
5725	48.81	3.88
5750	51.03	4.63
5775	48.81	3.38
5800	45.69	3.82
5825	46.23	2.7
5850	44.8	3.81
5875	43.94	3.2
5900	43.94	3.89
5925	46.82	4.1
5950	48.76	4.31
5975	55.84	4.59

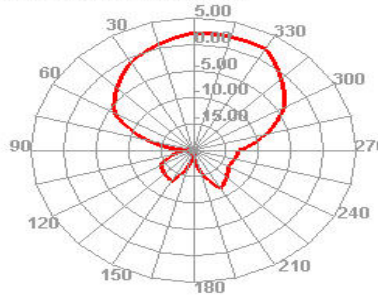
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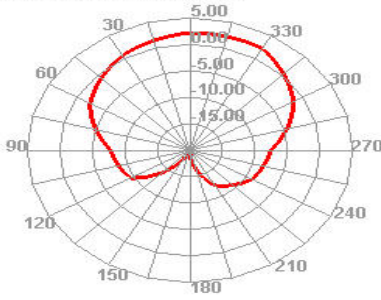
5100.000MHz H



5100.000MHz E1



5100.000MHz E2



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