



规格承认书

SPECIFICATION FOR APPROVAL

编号: 17011503

File No. _____

版本: 1.0

Revision _____

客 户
CUSTOMER: _____

客 户 料 号
CUSTOMER NO: _____

品 名 **2.4-5.8GHz Antenna**
PART NAME: _____

供 方 料 号 **SL147P.300005.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

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

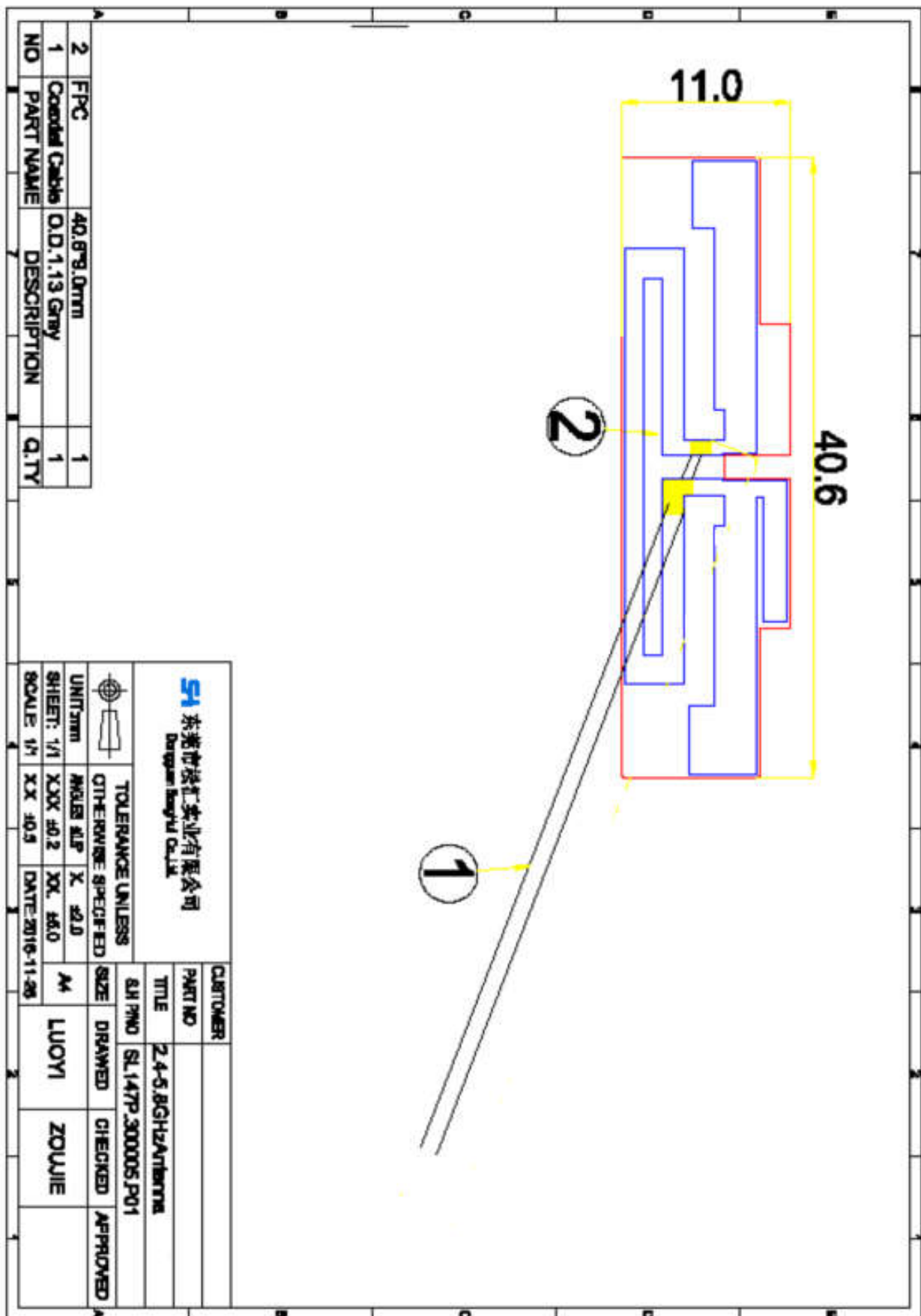
SH-RD-F04-A



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电 性 测 试 报 告

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)	4.24 dBi(2.4GMax);4.61 dBi(5G Max)
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	None
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // L= 68mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

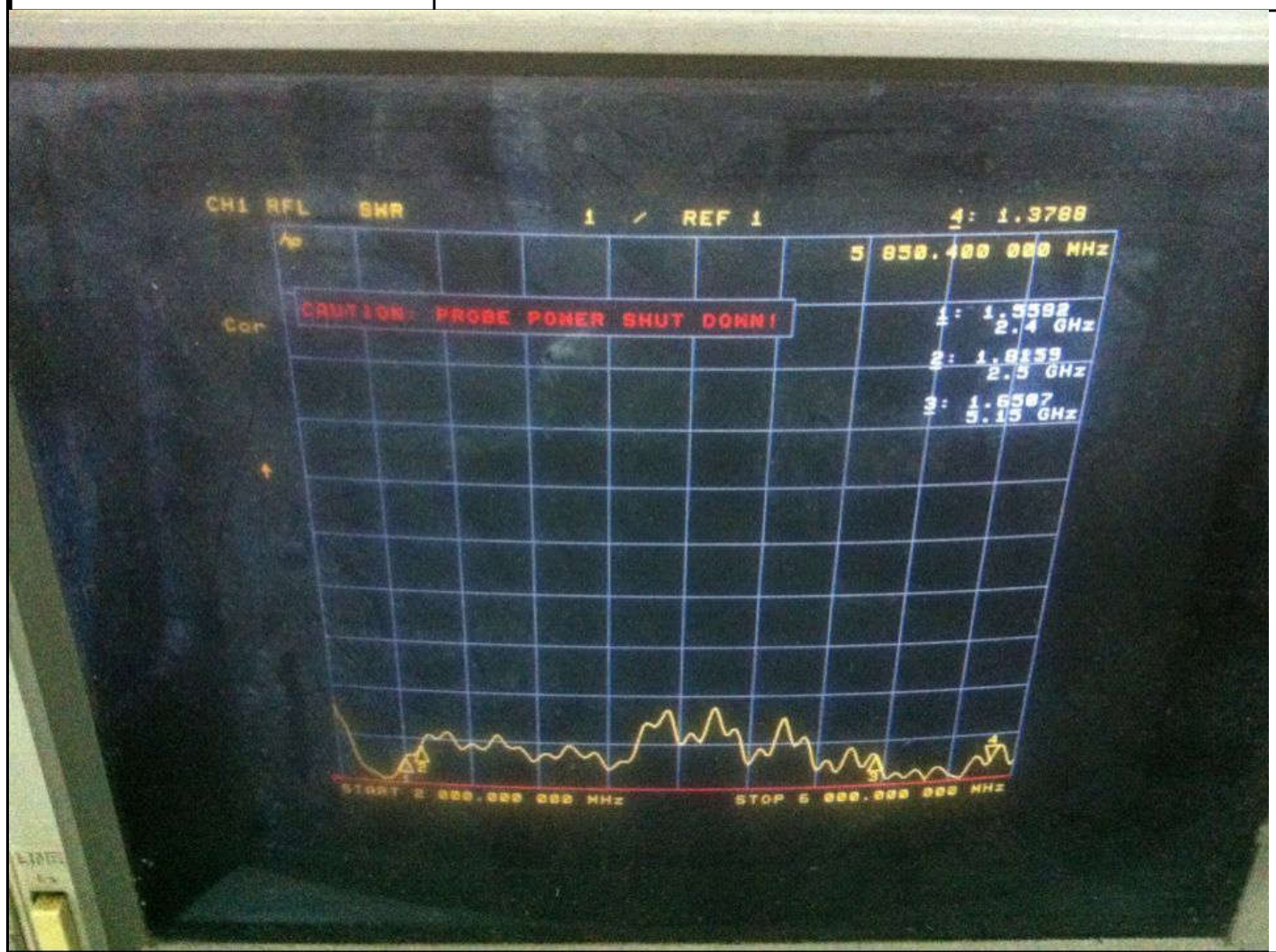
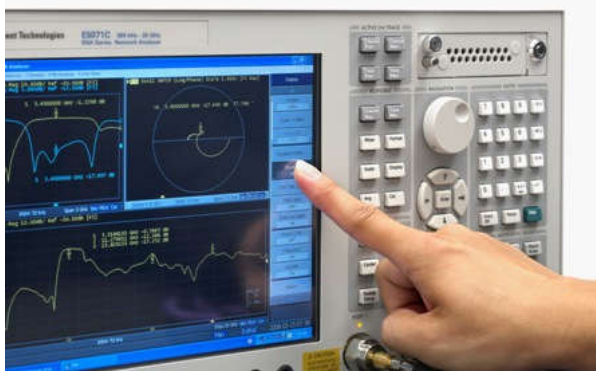
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S 参数测试

S Parameter Test

Agilent E5071C



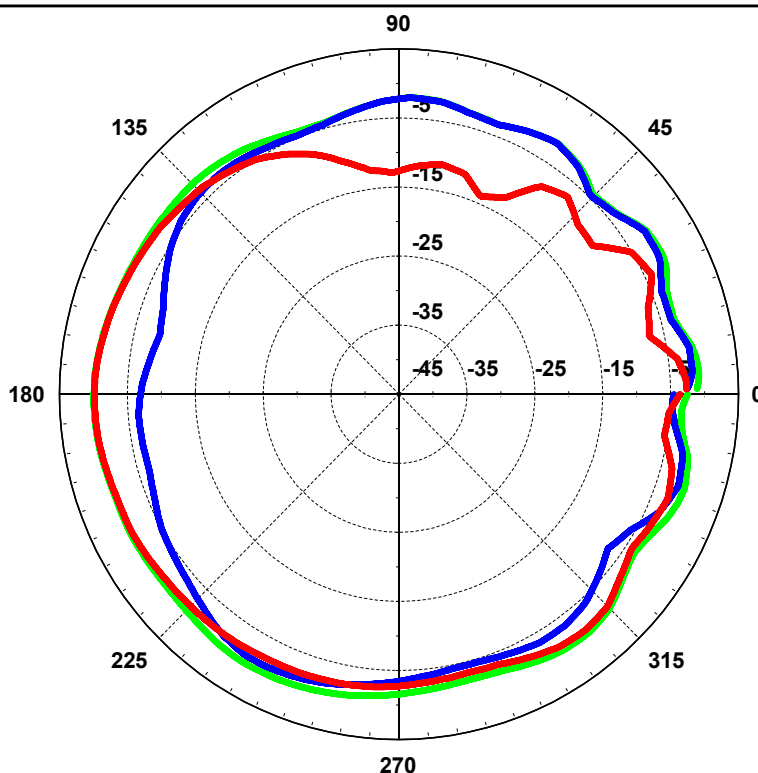
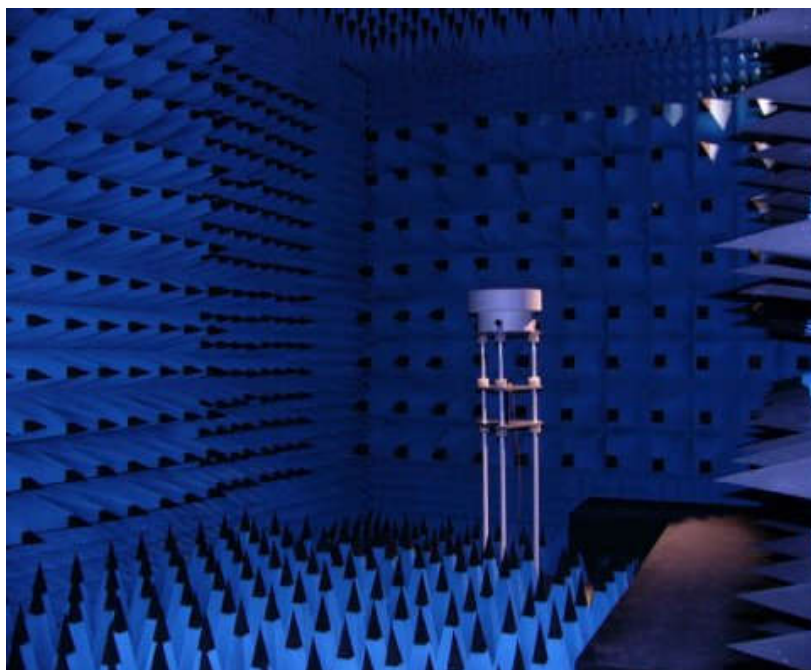
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增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



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2.4G 增益，效率

Passive Test For 2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	70.42	-1.52	3.89	1.74	38.339	32.076	3.89	-22.49	50.45	50.41
2410	68.8	-1.62	3.74	1.59	37.091	31.705	3.74	-21.85	50.53	50.47
2420	66.22	-1.79	3.54	1.39	35.289	30.931	3.54	-21.58	50.5	50.44
2430	62.34	-2.05	3.28	1.13	32.77	29.567	3.28	-22.61	50.69	50.64
2440	64.28	-1.92	3.42	1.27	33.252	31.028	3.42	-22.86	50.38	50.36
2450	66.66	-1.76	3.55	1.4	33.987	32.67	3.55	-27.23	50.65	50.64
2460	70.99	-1.49	3.79	1.64	35.922	35.065	3.79	-21.2	50.7	50.74
2470	69.15	-1.6	3.6	1.45	34.968	34.181	3.6	-20.37	50.56	50.6
2480	68.94	-1.62	3.65	1.5	35.061	33.883	3.65	-18.88	50.58	50.67
2490	68.68	-1.63	3.86	1.71	35.188	33.49	3.86	-18.15	50.99	51.09
2500	68.12	-1.67	4.24	2.09	35.293	32.827	4.24	-18.03	51.09	51.23

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5.8G 增益，效率

Passive Test For 5G										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
5100	43.36	-3.63	1.72	-0.43	20.925	22.435	1.72	-18.53	60.83	60.61
5125	43.82	-3.58	2.2	0.05	20.41	23.407	2.2	-19.27	60.06	59.9
5150	48.01	-3.19	3.02	0.87	21.601	26.411	3.02	-21.08	60.16	60.04
5175	48.94	-3.1	3.51	1.36	21.13	27.807	3.51	-17.22	59.7	59.61
5200	51.39	-2.89	4.2	2.05	21.495	29.9	4.2	-18.19	59.61	59.5
5225	51.3	-2.9	4.47	2.32	20.928	30.372	4.47	-22.08	59.41	59.31
5250	52.43	-2.8	4.61	2.46	21.119	31.314	4.61	-21.13	58.8	58.62
5275	50.39	-2.98	4.35	2.2	20.164	30.223	4.35	-20.86	59.39	59.13
5300	51.43	-2.89	4.16	2.01	20.598	30.832	4.16	-19.94	58.74	58.38
5325	54.14	-2.66	3.91	1.76	21.657	32.484	3.91	-18.83	59.35	58.82
5350	57.18	-2.43	3.73	1.58	22.862	34.321	3.73	-16.14	60.13	59.42
5375	55.46	-2.56	3.29	1.14	22.202	33.259	3.29	-16.44	59.52	58.6
5400	62.99	-2.01	3.68	1.53	25.505	37.483	3.68	-16.08	61.21	60.09
5425	59.14	-2.28	3.04	0.89	24.415	34.727	3.04	-17.08	60.49	59.24
5450	56.85	-2.45	2.69	0.54	24.066	32.78	2.69	-20.65	61.07	59.75
5475	55.34	-2.57	2.3	0.15	24.204	31.14	2.3	-27.12	61.33	60.06
5500	56.85	-2.45	2.36	0.21	25.258	31.589	2.36	-32.7	61.74	60.6
5525	54.97	-2.6	2.36	0.21	24.777	30.196	2.36	-22.96	61.51	60.54
5550	55.86	-2.53	2.42	0.27	25.301	30.561	2.42	-20.27	61.77	60.95

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