

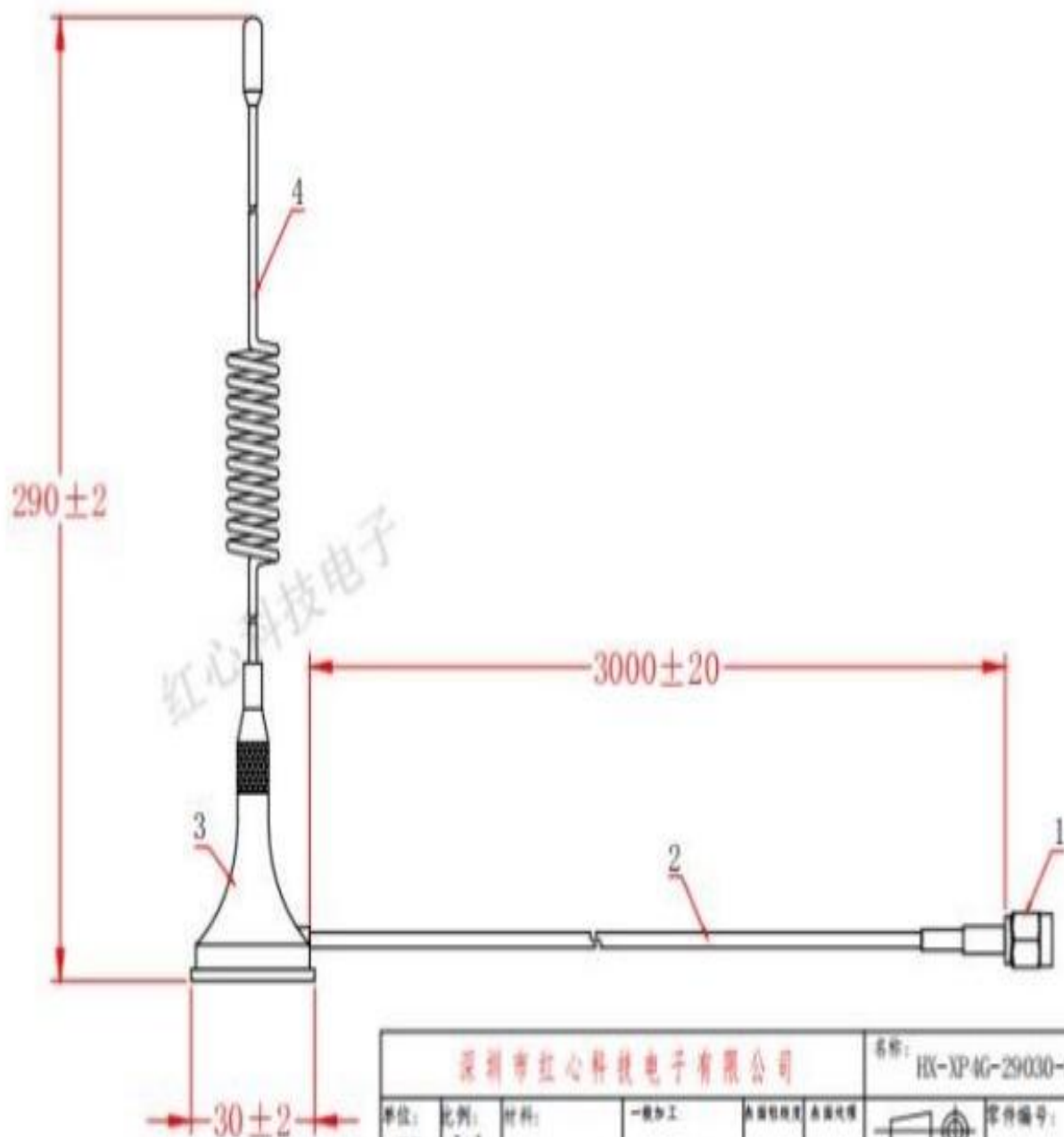
Item List of Acknowledgement

承认书项目表

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序号	名称	规格/颜色
1	SMA直头内螺内针	D1/金色
2	线材	RG174线材/黑色
3	吸盘底座	内含磁铁
4	天线杆	黑色

GENERAL TOLERANCE	
UNIT	TOLERANCE
mm	±0.20
mm	±0.15
mm	±0.10
mm	±0.05



红心科技电子

深圳市红心科技电子有限公司						名称: HX-XP4G-29030-3000D1	
单位: mm	比例: 1:1	材料:	一般加工	表面电镀	表面电镀		零件编号:
数量:	颜色:	设计:	检验:	射频:	审核:		批准:

制图:

绘图:

幅面: A4

电话: 0755-23205219 官网: <http://www.hxrf-antenna.com/>

地址: 深圳市宝安区西乡街道固兴社区新安第二工业区C10栋西面2楼

电性测试报告

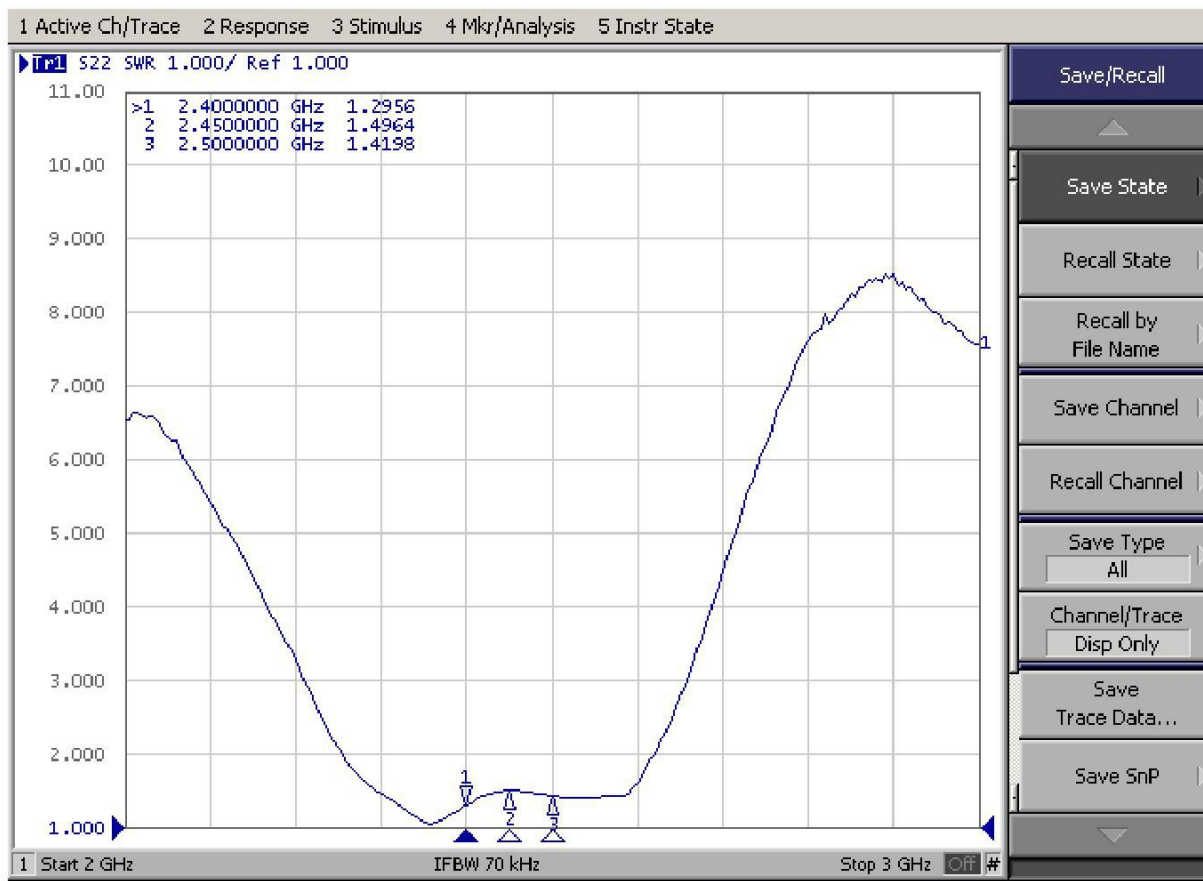
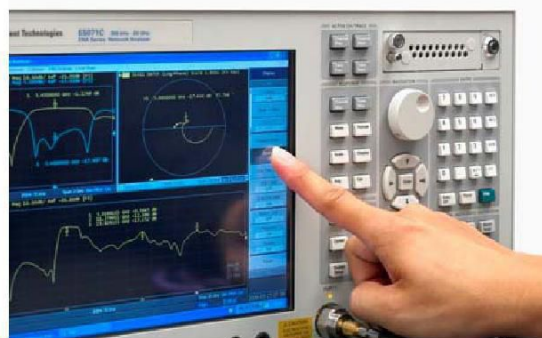
Test Reports

Electrical Properties	
Frequency	2.4GHz
Impedance	50 OhmNominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.01dBi
Cable Loss	3.2 dB / m Max@ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	PCB
Cable Type	O.D. 1.13mm /125 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C

S 参数测试

S Parameter Test

Agilent E5071C



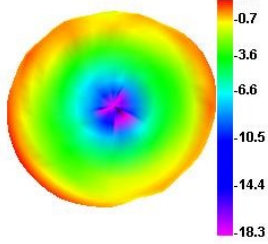
增益测试

Gain Test

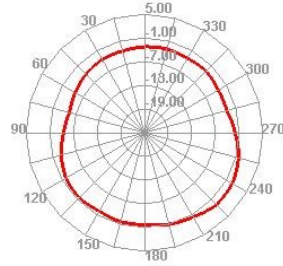
*Antenna
Radiation
Pattern
VS
Gain*

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	50.19	-3.31	1.76	-0.39
2405	50.64	-3.27	1.59	-0.56
2410	51.28	-3.22	1.87	-0.28
2415	51.67	-3.18	1.98	-0.17
2420	50.11	-3.31	1.84	-0.31
2425	51.34	-3.21	1.86	-0.29
2430	54.04	-2.99	2.01	-0.14
2435	53.73	-3.02	1.53	-0.62
2440	56.46	-2.81	1.87	-0.28
2445	57.99	-2.69	1.83	-0.32
2450	57.19	-2.75	1.93	-0.22
2455	55.23	-2.9	1.89	-0.26
2460	55.32	-2.89	1.91	-0.24
2465	54.55	-2.95	1.86	-0.29
2470	54.88	-2.93	1.68	-0.47
2475	56.63	-2.79	1.91	-0.24
2480	58.94	-2.62	1.93	-0.22
2485	58.91	-2.62	1.99	-0.16
2490	56.65	-2.79	1.84	-0.31
2495	57.95	-2.69	1.89	-0.26
2500	55.31	-2.89	1.76	-0.39

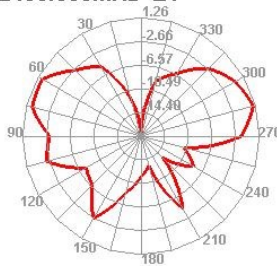
2400.000MHz



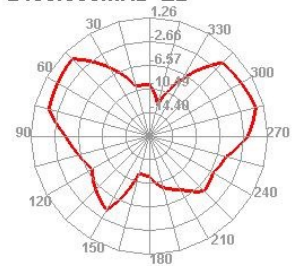
2400.000MHz H



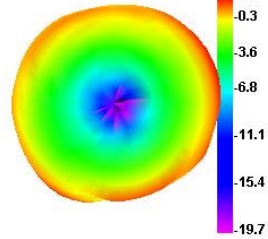
2400.000MHz E1



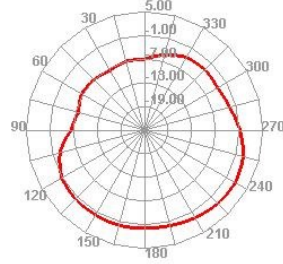
2400.000MHz E2



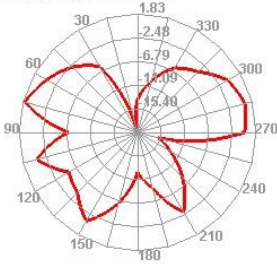
2450.000MHz



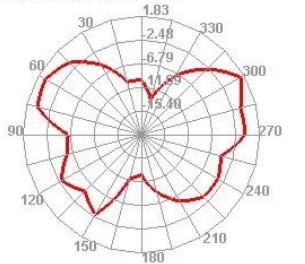
2450.000MHz H



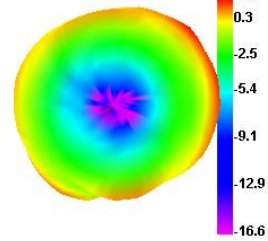
2450.000MHz E1



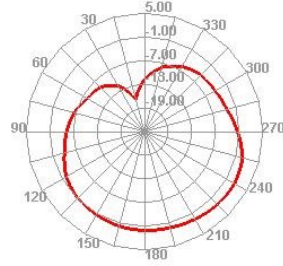
2450.000MHz E2



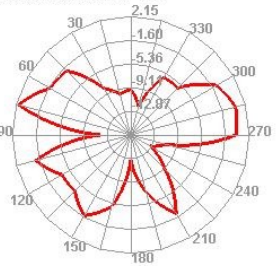
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

