



深圳市雨盛通讯电子有限公司

Shenzhen Yu Sheng Communications Electronics co., LTD

TEL: +86 0755-28640107

FAX: +86 0755-28694967

承认书 APPROVAL

版本: A1

客 户
CUSTOMER:

品 名 规 格
DESCRIPTION:

料 号
PART NO.: YS020-0037

客 户 料 号
CUS PART NO.:

日 期
D A T E: 2024-8-31



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电器技术参数

电 性 能 指 标		Electrical Specifications	
频率范围	2400-2500MHZ	Frequency Range	2400-2500MHZ
电压驻波比	≤ 2.0	VSWR	≤ 2.0
增益	2.69dBi	GAIN	2.69dBi
输入阻抗	50 Ω	Input Impedance	50 Ω
机 械 指 标		Mechanical Specifications	
天线颜色	白色	Antenna Color	WHITE
接口形式	IPEX 端子	Input connector	IPEX1.13
天线长度	200mm	Cable length	200mm
工作温度	-40℃ ~ +85℃	Working Temperature	-40℃ ~ +85℃
工作湿度	20~80%	Working Humidity	20~80%

Factory address: Floor 3-4, No. 102, Ao West Road, Ao Bei Yi Village, Henggang Town, Longgang District, Shenzhen



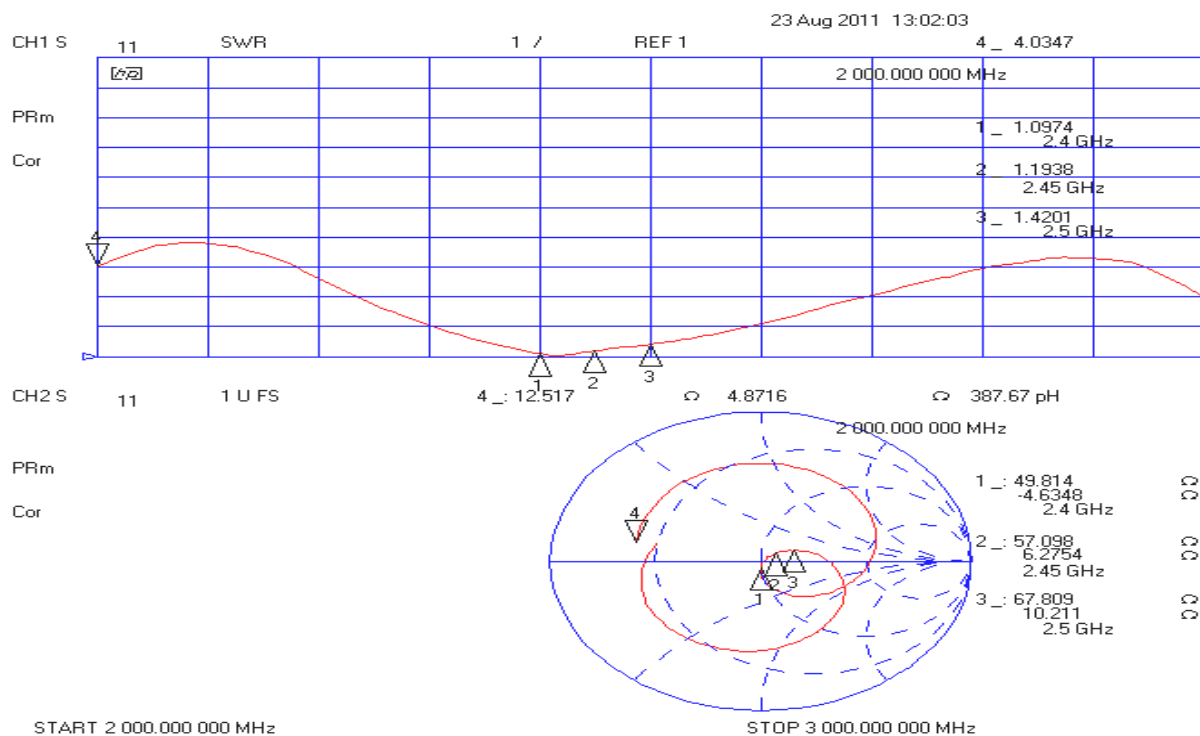
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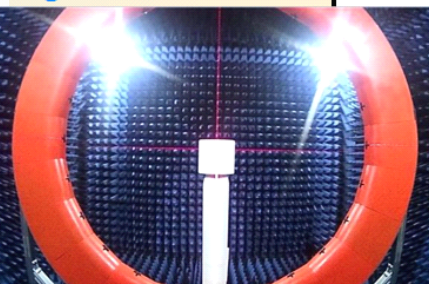
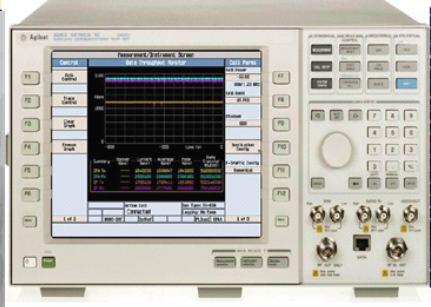
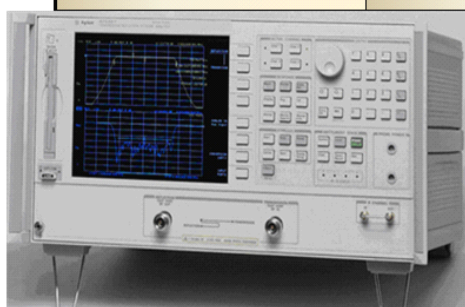
网络分析测试:



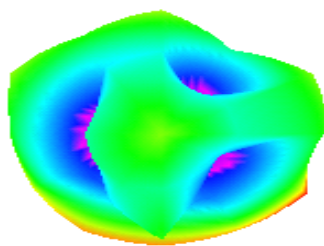
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● 测试项目与设备

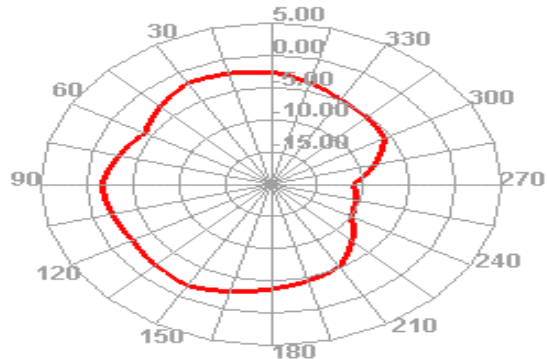
	测试项目	设备
1. S参数	1. 回波损耗 2. 驻波比	网络分析仪: Agilent E5071B
2. 耦合功率测试	1. 发射功率 2. 接收灵敏度	GSM 测试仪: Agilent 8960 E5515C LTE /WIFI/BT测试仪: R&S CMW500
3. 辐射模式与增益	1. 辐射模式 2. 天线增益	1. 暗室: 8x4x4 m (3D) 2. 网络分析仪: Agilent E5071B



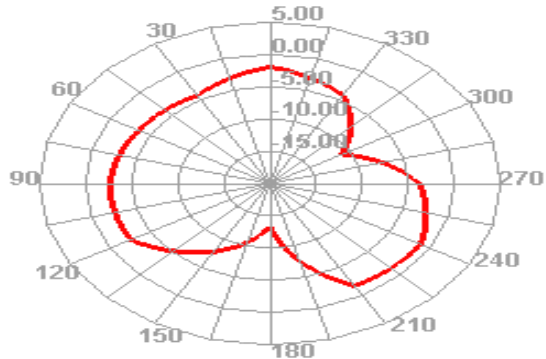
2400.000MHz



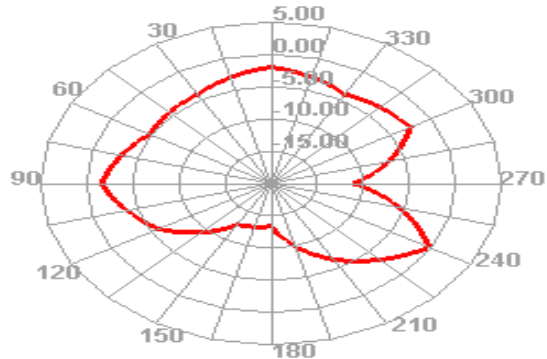
2400.000MHz H



2400.000MHz E1



2400.000MHz E2





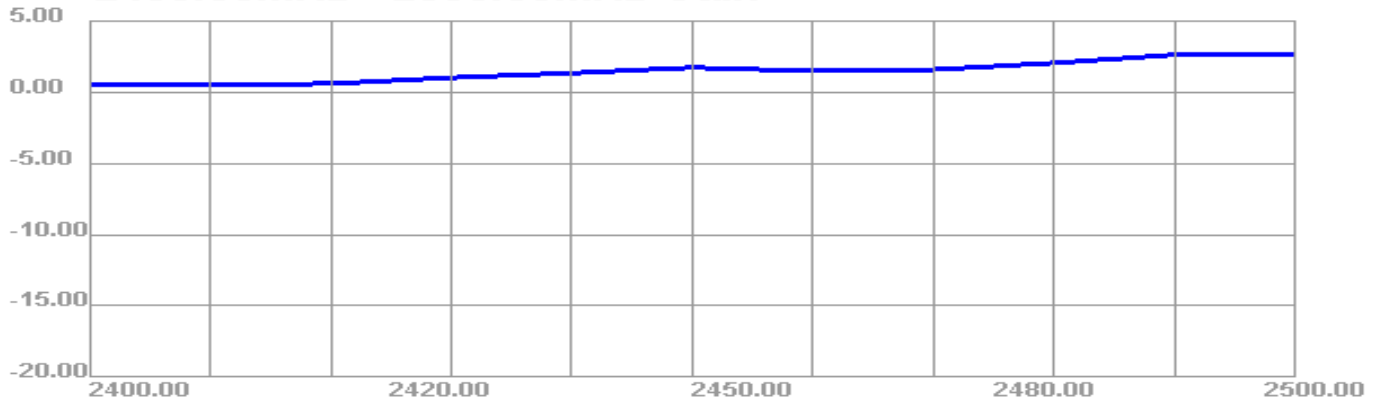
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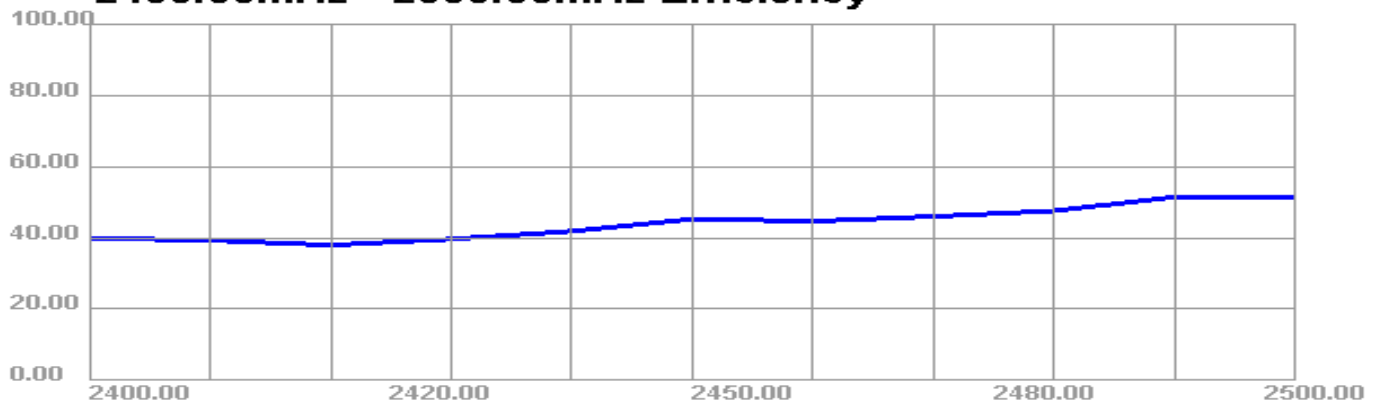
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2400.00MHz - 2500.00MHz Gain

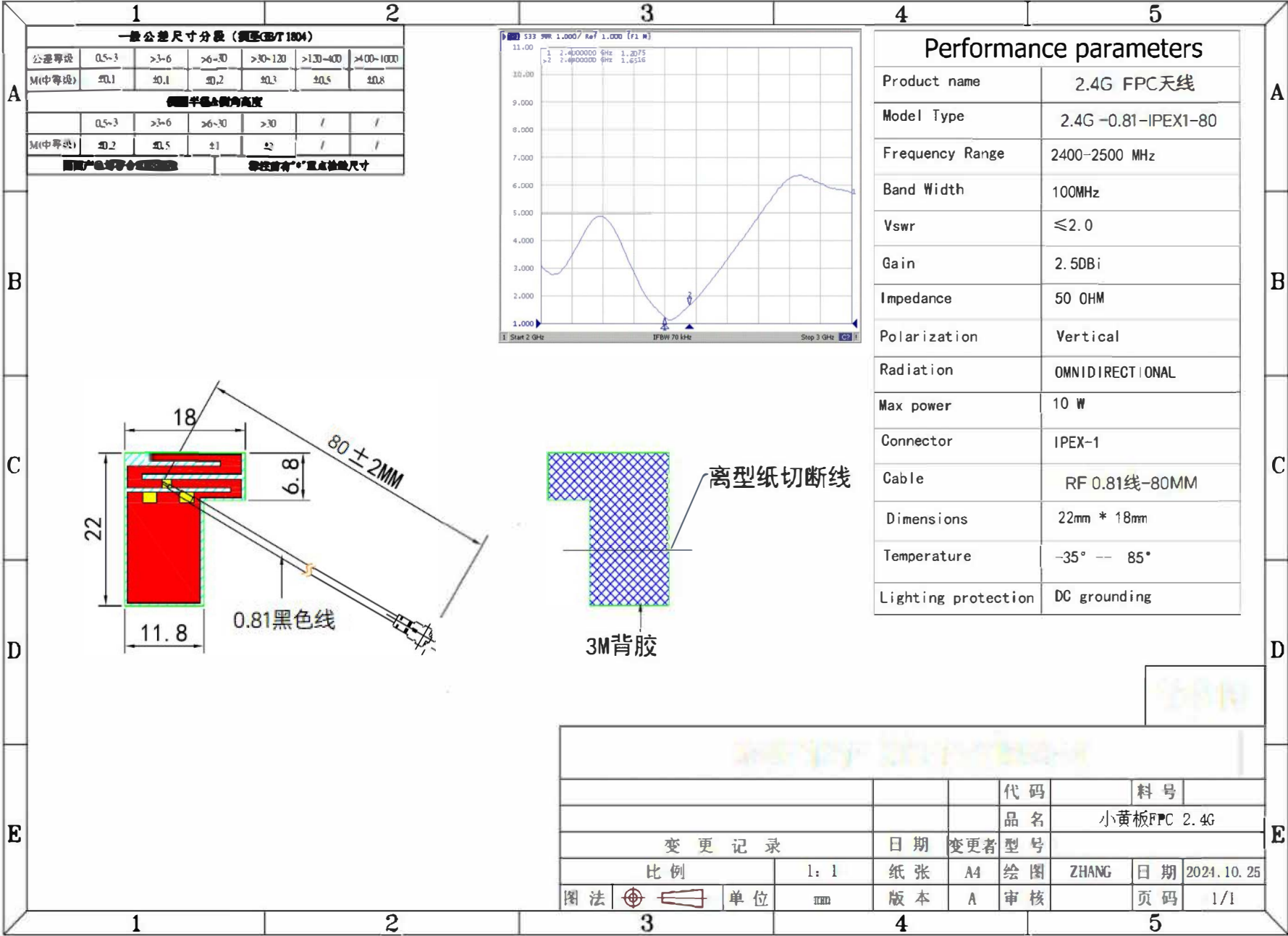


2400.00MHz - 2500.00MHz Efficiency



Passive Test For WIFI												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	39.9	-3.99	0.52	-1.63	16.108	23.797	0.52	-13.42	4.51	60	43.91	43.89
2410	39.32	-4.05	0.51	-1.64	15.992	23.328	0.51	-13.61	4.56	60	44.05	43.95
2420	37.97	-4.21	0.6	-1.55	15.669	22.298	0.6	-14.15	4.8	150	43.94	43.81
2430	39.67	-4.01	1.01	-1.14	16.61	23.065	1.01	-15.14	5.03	120	44.07	43.87
2440	41.87	-3.78	1.33	-0.82	17.871	24.001	1.33	-16.2	5.12	120	44.39	44.15
2450	45.28	-3.44	1.72	-0.43	19.717	25.565	1.72	-15.97	5.16	120	44.63	44.34
2460	44.68	-3.5	1.47	-0.68	19.873	24.811	1.47	-16.74	4.97	120	44.63	44.43
2470	46.01	-3.37	1.57	-0.58	20.954	25.061	1.57	-17.79	4.95	120	44.56	44.29
2480	47.58	-3.23	2.05	-0.1	22.246	25.334	2.05	-19.85	5.27	60	44.67	44.37
2490	51.46	-2.89	2.62	0.47	24.645	26.814	2.62	-20.28	5.5	0	44.7	44.46
2500	51.32	-2.9	2.69	0.54	25.073	26.244	2.69	-22.69	5.59	0	44.59	44.18

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Performance parameters

Product name	2.4G FPC天线
Model Type	2.4G -0.81-IPEX1-80
Frequency Range	2400-2500 MHz
Band Width	100MHz
Vswr	≤2.0
Gain	2.50Bi
Impedance	50 OHM
Polarization	Vertical
Radiation	OMNIDIRECTIONAL
Max power	10 W
Connector	IPEX-1
Cable	RF 0.81线-80MM
Dimensions	22mm * 18mm
Temperature	-35° -- 85°
Lighting protection	DC grounding

18

22

11.8

6.8

80±2MM

0.81黑色线

离型纸切断线

3M背胶

代码

料号

品名

小黄板FPC 2.4G

型号

变更记录

日期

变更者

纸张

A4

绘图

ZHANG

日期

2024.10.25

版本

A

审核

图法

比例

1:1

单位

mm

页码

1/1