



深圳市雨盛通讯电子有限公司

Shenzhen Yu Sheng Communications Electronics co., LTD

TEL: +86 0755-28640107

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Floor 1-3, No. 102, Ouxi Road, Oubai Village, Shenzhen

承认书 APPROVAL

版本: A1

客 户
CUSTOMER:

品 名 规 格
DESCRIPTION: **2.4G-Antenna-130mm**

料 号
PART NO.: **YS0137**

客 户 料 号
CUS PART NO.:

日 期
D A T E: **2025-8-1**

呈样签章:

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT
JIAK		

客户承认签章 :

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

※ 客户确认样品附意栏:



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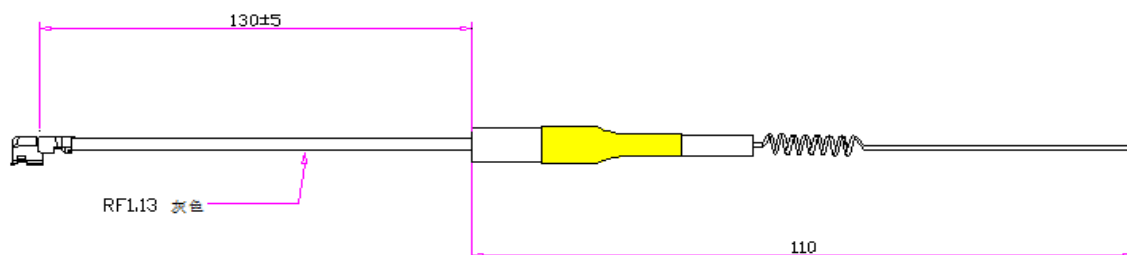
电器技术参数

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
最大增益	3.72DBI	MAX GAIN	3.72DBI
输入阻抗	50 Ω	Input Impedance	50 Ω
机 械 指 标		Mechanical Specifications	
线材颜色	灰色	Cable Color	Gary
接口形式	IPEX	Input connector	ipex
工作温度	-40℃ ~ +85℃	Working Temperature	-40℃ ~ +85℃
工作湿度	20~80%	Working Humidity	20~80%

产品图片 (Product picture) :



规格图纸 (Product Specification) :





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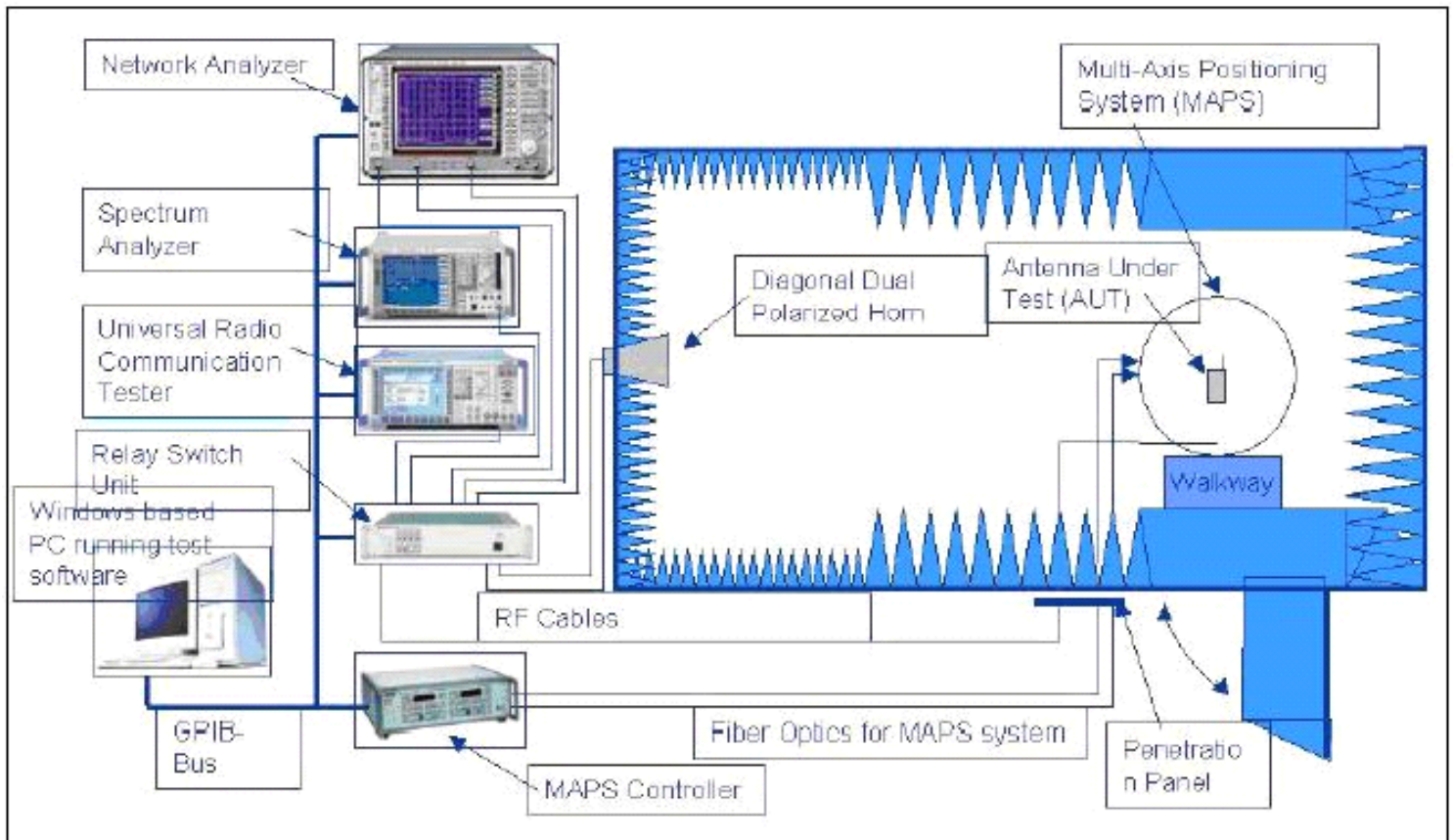
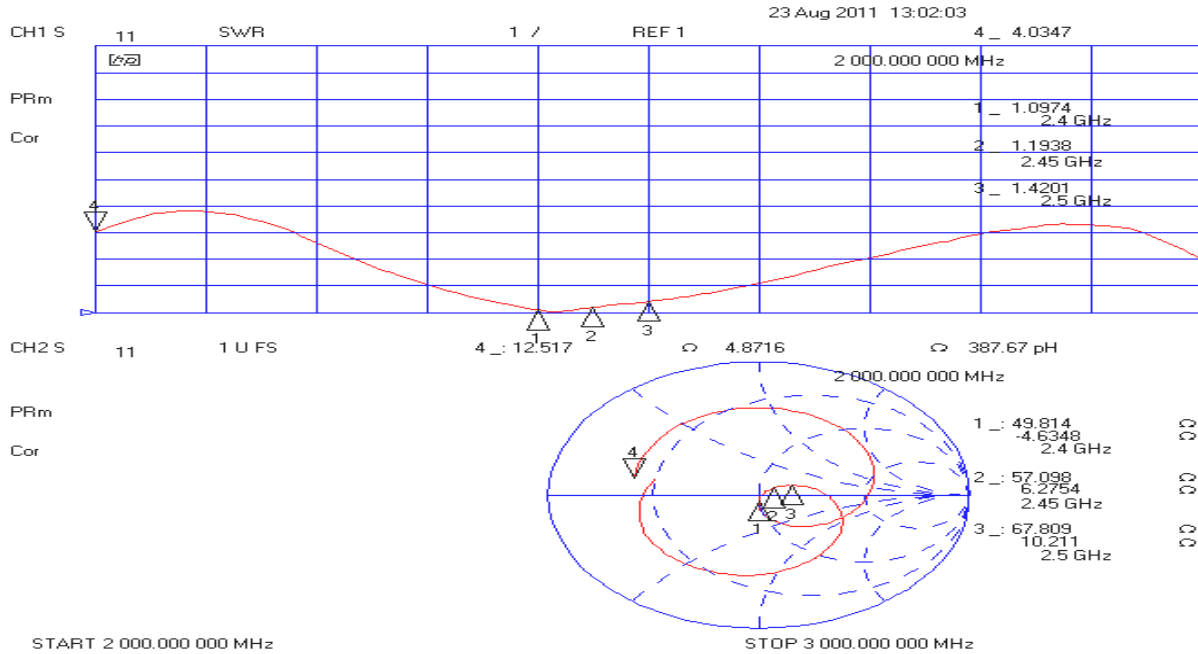
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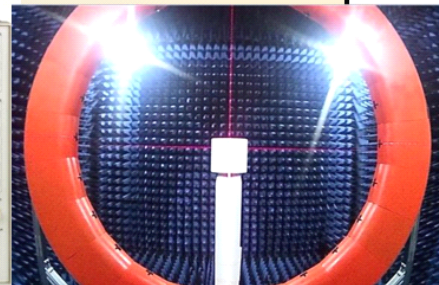
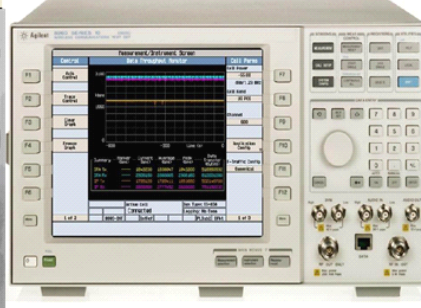
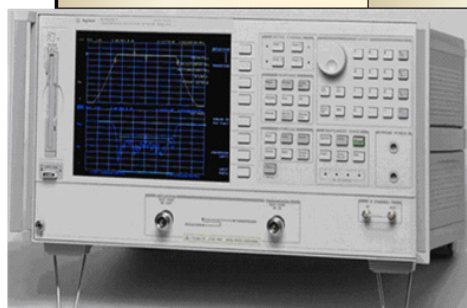
环境性能测试 (Environmental performance test) :

ITEM	TEST CONDITION	TEST RESULT
The storage environment	In the absence of the specified circumstances test temperature, humidity, air pressure is as follows: 1 temperature is -30 °C ~ +80 °C 2 relative humidity for 45%-85% The 3 pressure is 86kpa-106kpa	Electrical and mechanical properties of normal
Thermocycling ;	5 cycles between 70 °C and 40 °C, then under normal conditions 1-2H, appearance quality inspection.	Dimensions should meet the requirements and shall satisfy In the mechanical, electrical properties
Resistance to damp heat Test	Relative humidity is $95 \pm 3\%$, test temperature: 40 °C. Continue after 2H, Test within the product after removing the 5min determination of the electrical properties, in the normal sample Under 1-2H, the appearance of quality inspection	Dimensions should meet the requirements and shall satisfy In the mechanical, electrical properties
vibration test ;	Displacement amplitude of vibration frequency range: 10-55HZ, 0.35MM, the amplitude of acceleration: 50.0M/S, sweep cycle times: 30 times	Electrical and mechanical properties of normal
fall-down test ;	1M high altitude in accordance with the perpendicular axis free fall 3	Electrical and mechanical properties of normal

网分仪器测试图 (Agilent network analyzer test chart):



	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



A	B	C	D	E	F	G	H	I
Passive Test For WIFI								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)
2400	49.9	-3.99	2.52	-1.63	16.108	23.797	0.52	-13.42
2410	49.32	-4.05	2.51	-1.64	15.992	23.328	0.51	-13.61
2420	47.97	-4.21	2.6	-1.55	15.669	22.298	0.6	-14.15
2430	49.67	-4.01	3.01	-1.14	16.61	23.065	1.01	-15.14
2440	51.87	-3.78	3.33	-0.82	17.871	24.001	1.33	-16.2
2450	55.28	-3.44	3.72	-0.43	19.717	25.565	1.72	-15.97
2460	54.68	-3.5	3.47	-0.68	19.873	24.811	1.47	-16.74
2470	56.01	-3.37	3.57	-0.58	20.954	25.061	1.57	-17.79
2480	57.58	-3.23	3.05	-0.1	22.246	25.334	2.05	-19.85
2490	58.46	-2.89	3.62	0.47	24.645	26.814	2.62	-20.28
2500	58.32	-2.9	3.69	0.54	25.073	26.244	2.69	-22.69



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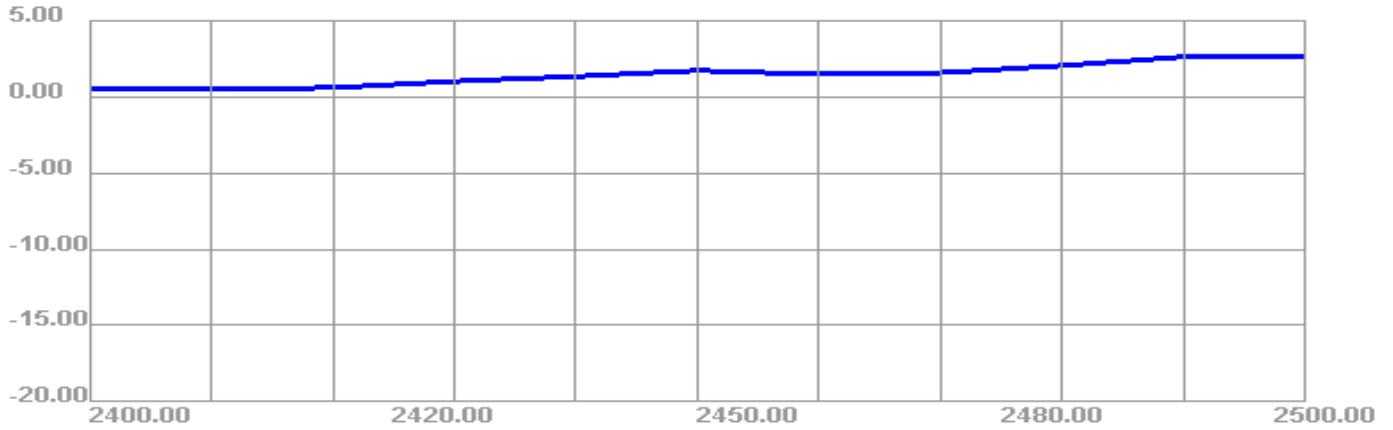
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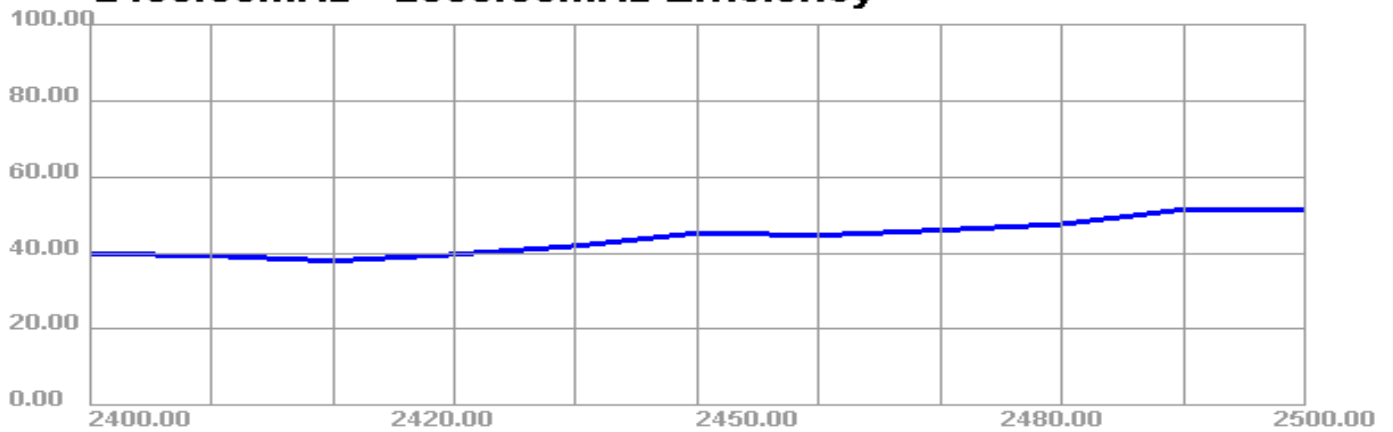
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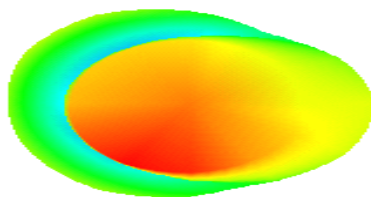
2400.00MHz - 2500.00MHz Gain



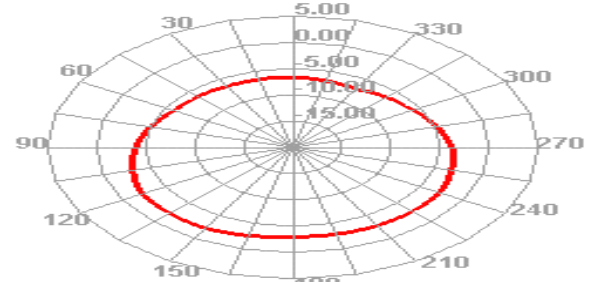
2400.00MHz - 2500.00MHz Efficiency



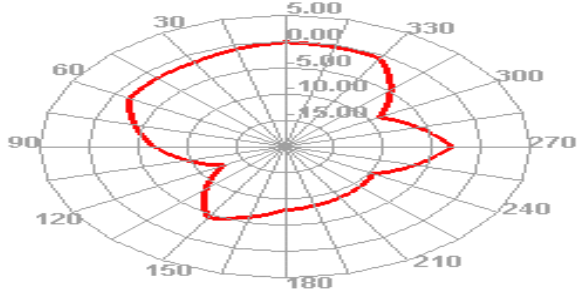
2400.000MHz



2400.000MHz H



2400.000MHz E1



2400.000MHz E2

