

微网优联科技(成都)有限公司

样品
承认书

目 录:	☒ 图纸 ☐ 生产/测试/可靠性报告 ☐ RoHs报告		
送样原因:	☒ 首次送样 ☐ 样品过期换样 ☐ 样品丢失补样 ☐ 复制样品		
供应商名称:	东莞市艾微科技有限公司		
供应商料号:	VW01-W020143	名称型号:	5.8GHz 5dbi外置天线
客户料号/版本:	51010390	模穴号:	
供应商制定/日期	供应商审核/日期	客户研发确认/日期	客户品质确认/日期
吴娟	敬邦敏	钟容达 熊棋 高凯敏	黄和志 2025-5-30
备注:			



承 认 书

5GWIFI Antenna 1

客户名称：微网

产品名称：黑色外置天线

规格型号：5.8GHz 天线 RF1.37 黑色线 L=120mm+IPEX

客户料号：51010390

本司料号：VW01-W020143

本司地址：东莞市松山湖园区科技二路 8 号一栋 2 单元
303 室 （中科创新广场 E 座）

Address:Room 303, Unit 2, Building 1 (E Tower, Zhongke Innovation Plaza) No. 8, Keji
Er Road Songshanhu Park Dongguan City, Guangdong Province, China

本司确认：

检 查	审 核	批 准
吴 娟	徐 志 强	万 以 竞

客户确认：

检 查	审 核	





东莞市艾微科技有限公司

Dongguan ivy technology co., LTD.

1、规格表:

主要技术指标		Main technical specifications	
频率范围 (MHz)	5150~5850	Frequency Range (MHz)	5150~5850
特性阻抗(Ω)	50 $\pm$ 5	Impedance(Ω)	50 $\pm$ 5
增益(dBi)	5 $\pm$ 0.5	Peak Gain(dBi)	5 $\pm$ 0.5
输出电压 驻波比	Max 2.0	VSWR	Max 2.0
最大功率	2W	Admitted Power	2W
极化方式	垂直极化	Polarization	Linear Vertical
方向性	全向	Radiation	Omni-directional
连接方式	端子	Connector Type	IPEX
物理性能		Physical Properties	
天线線材	1.37 黑色	Antenna cable	1.37 Black Cable
工作温度	-40℃~+60℃	Operating Temp	-40℃~+60℃
保存温度	-40℃~+60℃	Storage Temp	-40℃~+60℃

Technical drawing of a cable assembly. The main view shows a cable with a length of 120 ± 5.0. Callouts 1, 2, 3, and 4 indicate specific features. Callout 1 points to a section with a length of 182 ± 2.0. Callout 2 points to a connector with dimensions 9.35 ± 0.1 and 8.9 ± 0.1. Callout 3 points to a section with a length of 165.08 ± 2.0. Callout 4 points to a section with a length of 8.45 ± 0.2. A detail view shows a cable with a length of 14.18 ± 0.08. A note indicates that the cable is made of PE Bag and should be used with a specific type of cable. A note also indicates that the cable should be used with a specific type of cable.

REV		DATE	DESCRIPTION
A		2024-12-25	New Issue

CUSTOMER:		微网
PART NO.:		51010390
PART NAME:		5.96 500U 天线=120
A/W P/NO.:		WM01-W020143
REV	UNIT	FILE SHEET
A	m/m	1/1

4	端子	1.37 IPEX	1
3	cable	1.37 Cable,Black,50Ω	1
2	下固定座	S63 PC+ABS2300,Color: 黑色	1
1	杆塞	M43 ABS171,Color: 黑色	1
DESCRIPTION			QTY
NO			REMARK

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

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XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

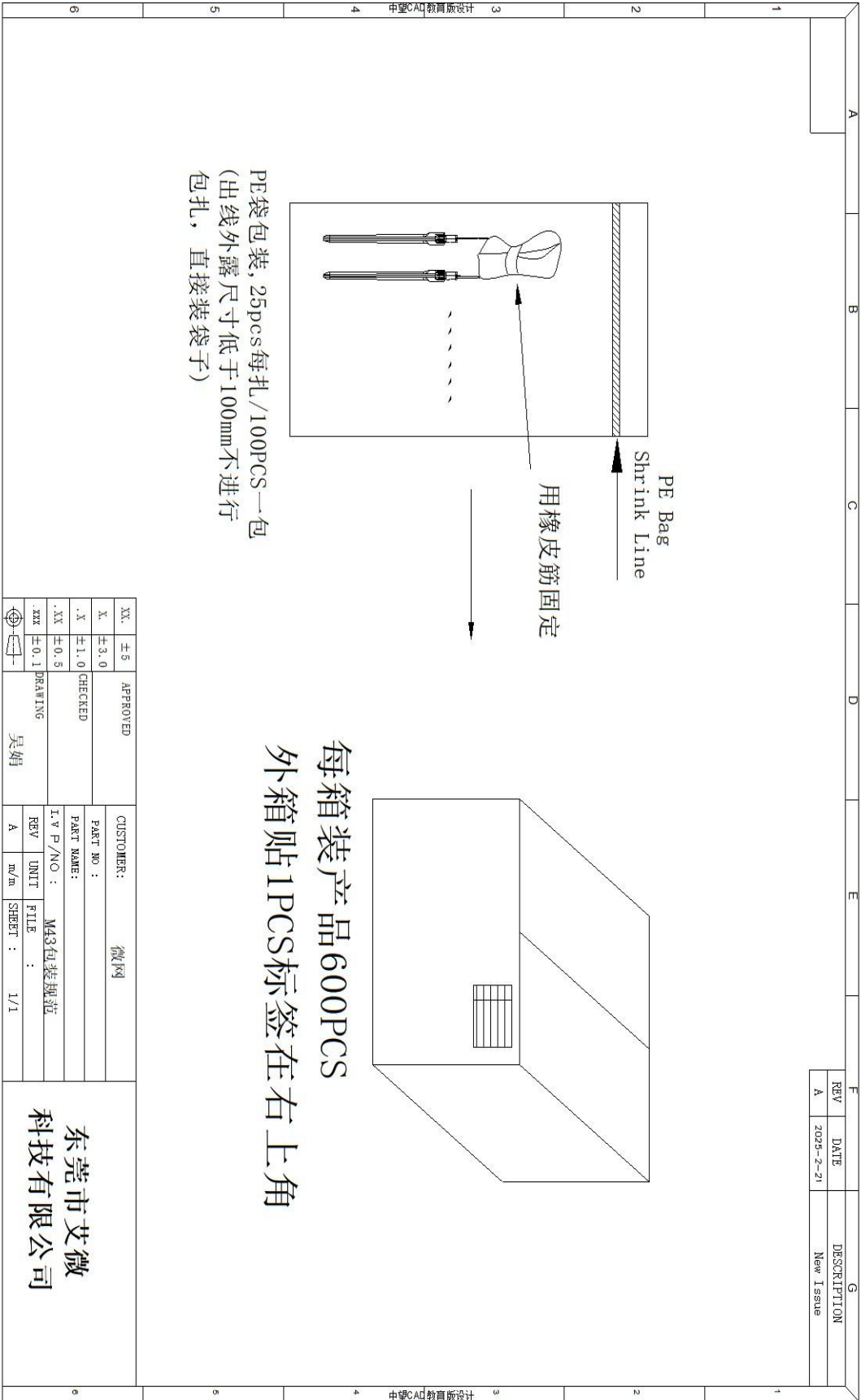
XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

XX	±5	APPROVED
XX	±3.0	
XX	±1.0	CHECKED
XX	±0.5	
XXX	±0.1	DRAWING

包装图

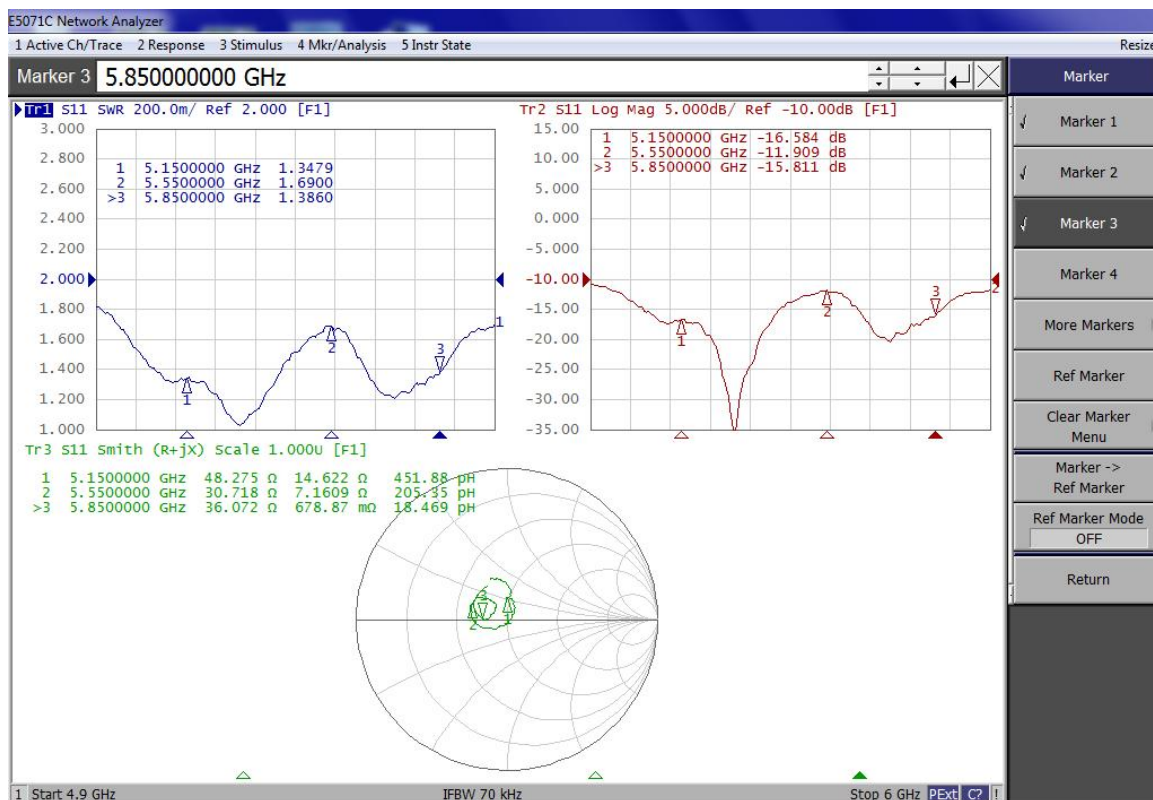


三、电测报告 Product Characteristics

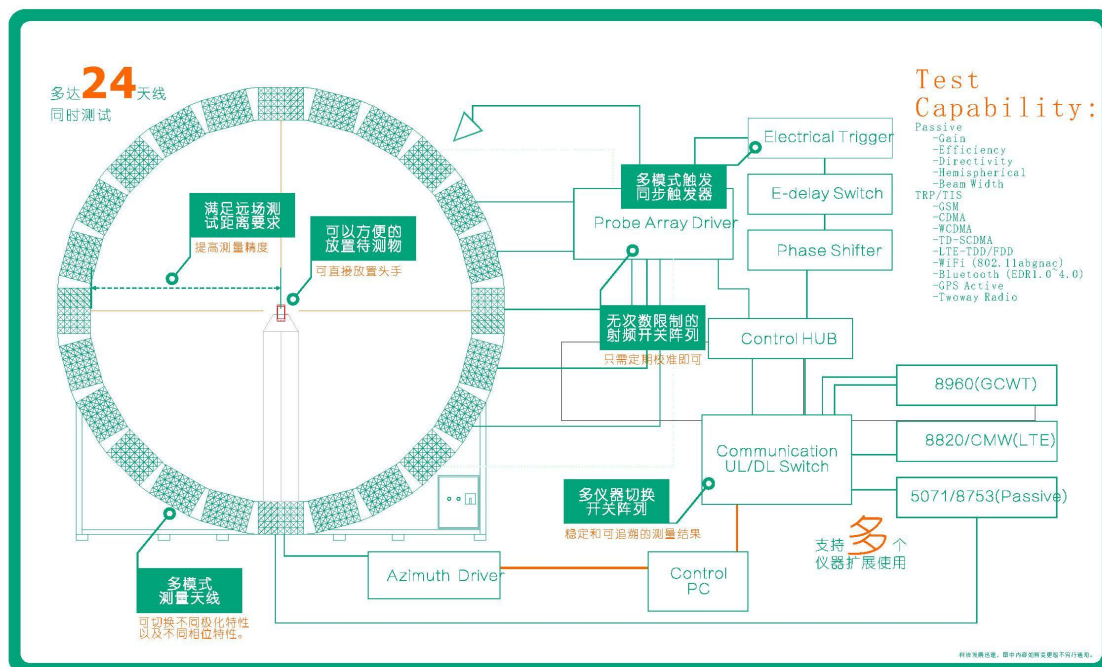
Agilent E5071C Network Analyzer



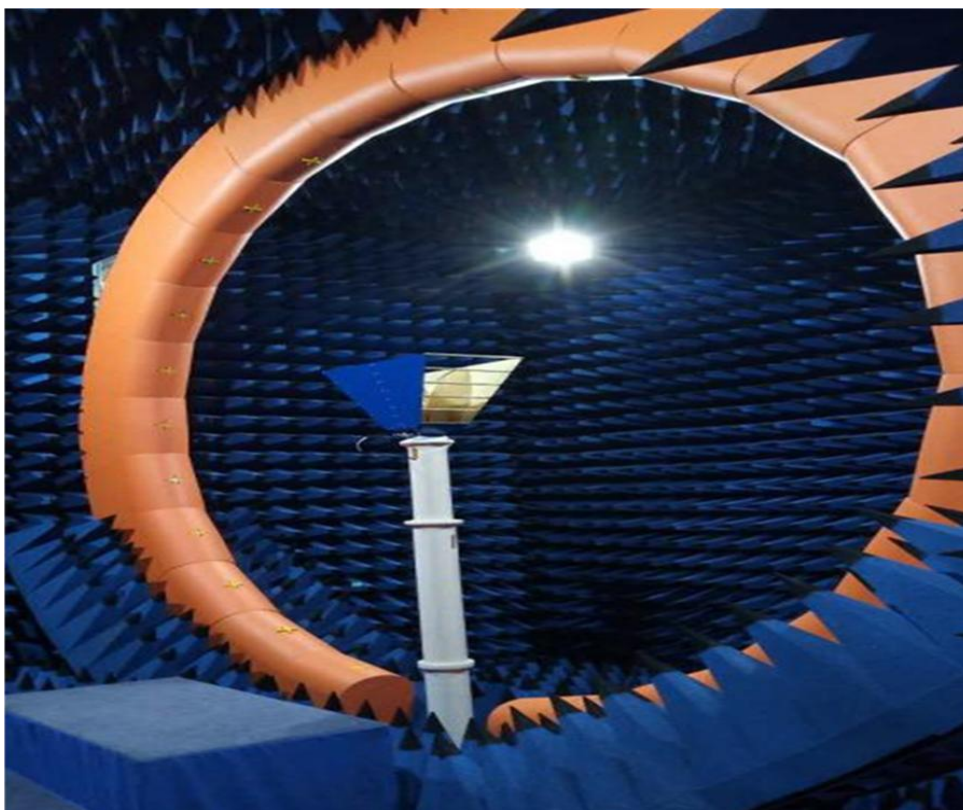
5150-5850MHz



测试原理框图:

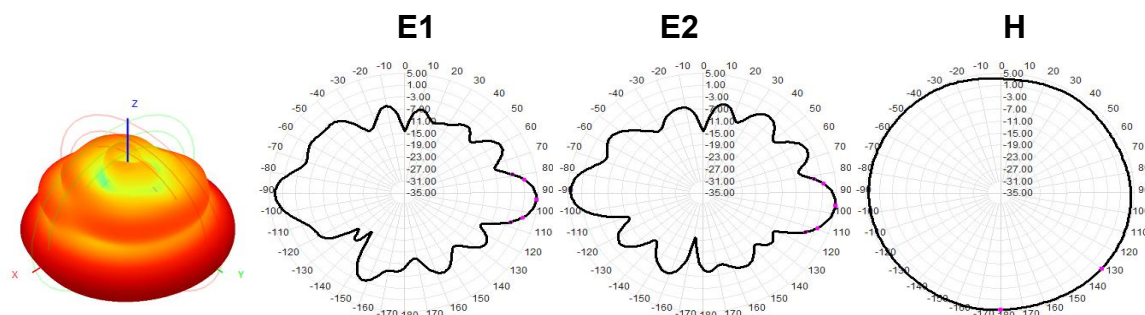


暗室内部图片:

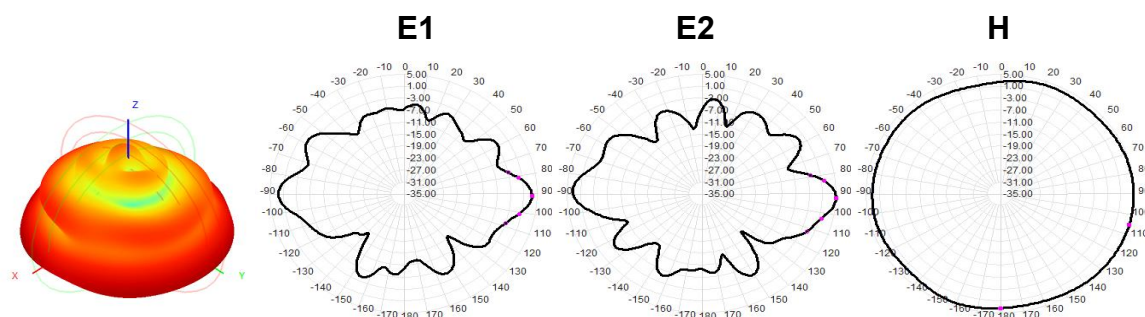


5.15~5.85GHz Radiation Pattern

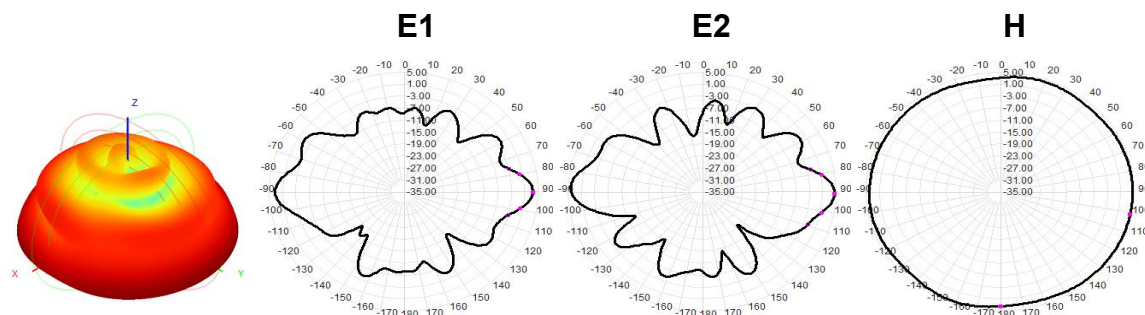
5.15GHz



5.55GHz



5.85 GHz



VSWR

	5150MHz	5550MHz	5850MHz
VSWR	1.34	1.69	1.38

3D Peak Gain & Efficiency

Frequency	Antenna	
	Peak Gain (dBi)	Efficiency (%)
5150MHz	4.85	73.9
5200MHz	4.94	74.3
5250MHz	5.02	73.8
5300MHz	5.17	76.1
5350MHz	4.98	73.5
5400MHz	5.09	74.6
5450MHz	5.12	76.4
5500MHz	4.99	72.7
5550MHz	4.98	74.9
5600MHz	4.76	75.5
5650MHz	4.89	74.3
5700MHz	4.85	73.2
5750MHz	4.96	73.7
5800MHz	4.93	73.6
5850MHz	4.79	74.9