



东莞市艾微科技有限公司
Dongguan ivy technology co., LTD.

承 认 书

客户名称: 微网优联

客户项目名称: 佩奇升级系列

客户料号: 51010197

物料名称: 5.85G/3dBi/LP/2W/I-PEX/90mm/D1.13MM/PCB 天线/黑色馈线/佩奇升级系列/

艾微料号: VW01-N040094

日期: 2023-2-28

版 别: X1

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)

本司确认:

检查	审核	批准
吴娟	徐志强	方以竞

客户确认:

检查	审核	批准
黄建		章杰 2023.5.4



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1、规格表

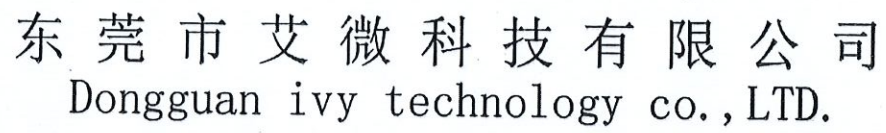
主要技术指标		Main technical specifications	
频率范围 (MHz)	5150~5850	Frequency Range (MHz)	5150~5850
特性阻抗(Ω)	50 $\pm$ 5	Impedance(Ω)	50 $\pm$ 5
增益(dBi)	3 $\pm$ 0.5	Peak Gain(dBi)	3 $\pm$ 0.5
输出电压 驻波比	Max 2.0	VSWR	Max 2.0
最大功率	2W	Admitted Power	2W
极化方式	垂直极化	Polarization	Linear Vertical
方向性	水平全向	Radiation	Omni-directional
连接方式	端子	Connector Type	IPEX
物理性能		Physical Properties	
天线线材	1.13 黑色	Antenna cable	1.13Black Cable
工作温度	-40 $^{\circ}$ C~+60 $^{\circ}$ C	Operating Temp	-40 $^{\circ}$ C~+60 $^{\circ}$ C
保存温度	-40 $^{\circ}$ C~+60 $^{\circ}$ C	Storage Temp	-40 $^{\circ}$ C~+60 $^{\circ}$ C

制造商：东莞市艾微科技有限公司

Manufacturer：Dongguan ivy technology co.,LTD.

地址：东莞市松山湖园区科技二路8号一栋2单元303室

Address：Room 303, Unit 2, Building 1, No. 8, Keji 2nd Road, Songshan Lake Industrial Park, Dongguan City



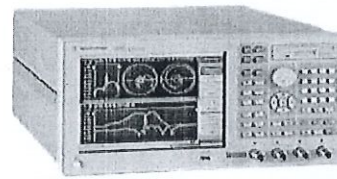
Technical drawing of a cable assembly. The drawing shows a cable with a length of 90 ± 3.0 mm. The cable has a diameter of 5.6 ± 0.2 mm. The cable is labeled "白色字体" (White font). The cable is connected to a connector labeled "5.6GHz". The cable is shown in a bent position. The drawing includes a table with the following information:

NO	DESCRIPTION	MATERIAL	QTY	REMARK
1	PCB电路板	FR-4 51.1*20.1*1.0 8单面板	1	N/A
2	PE Bag	Shrink Line	1	N/A
3	PEX	1.13 PEX	1	N/A

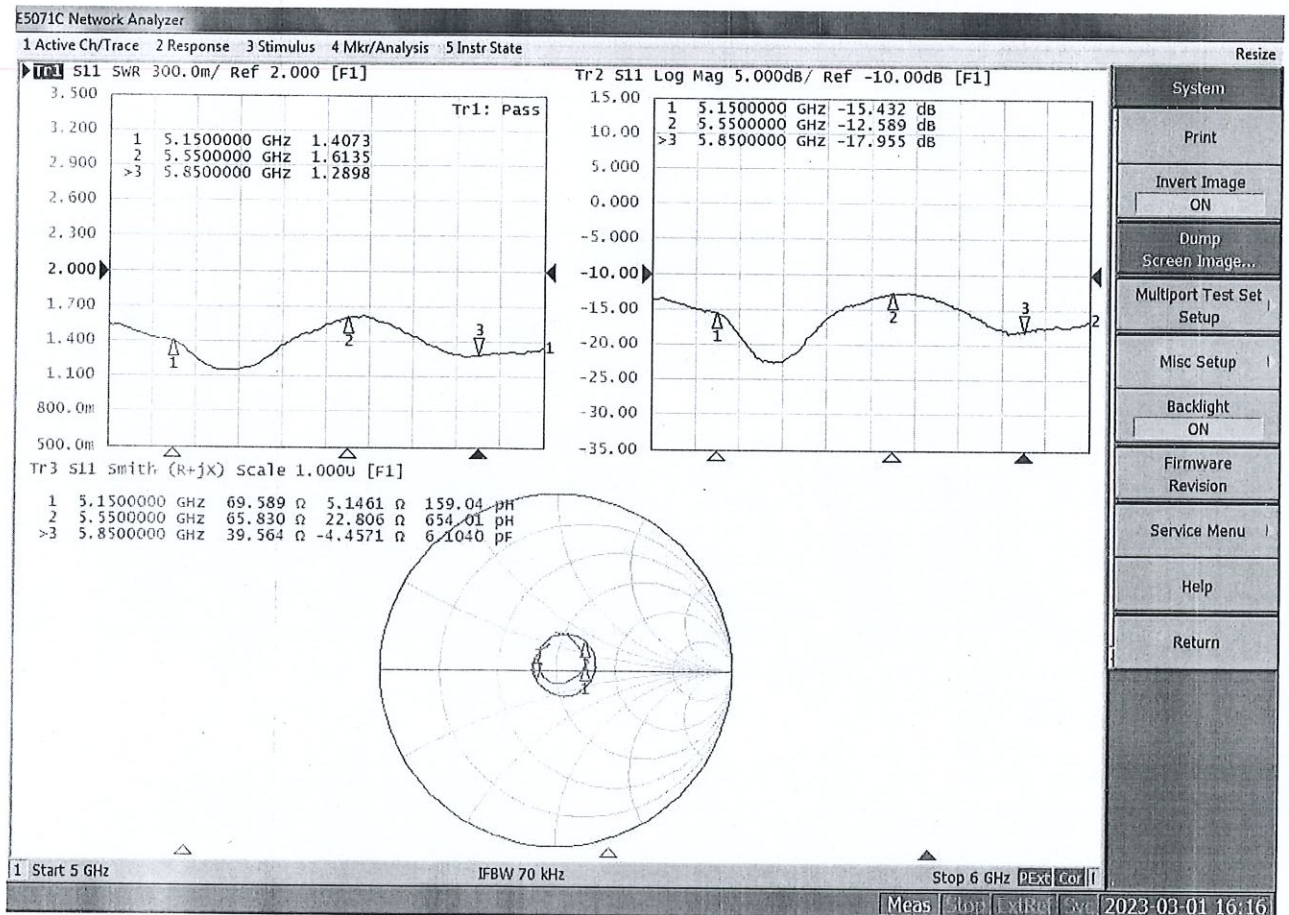
Other dimensions and labels include: 51.1 ± 0.5 , 20 ± 0.5 , "PE Bag", "Shrink Line", "用橡皮筋固定" (Fixed with rubber band), "PE袋包装" (PE bag packaging), "外箱贴1PCS标签在右上角" (Paste 1PCS label on the outer box in the top right corner), and "东莞市艾微科技有限公司" (Dongguan Awei Technology Co., Ltd.).

三、电测报告 Product Characteristics

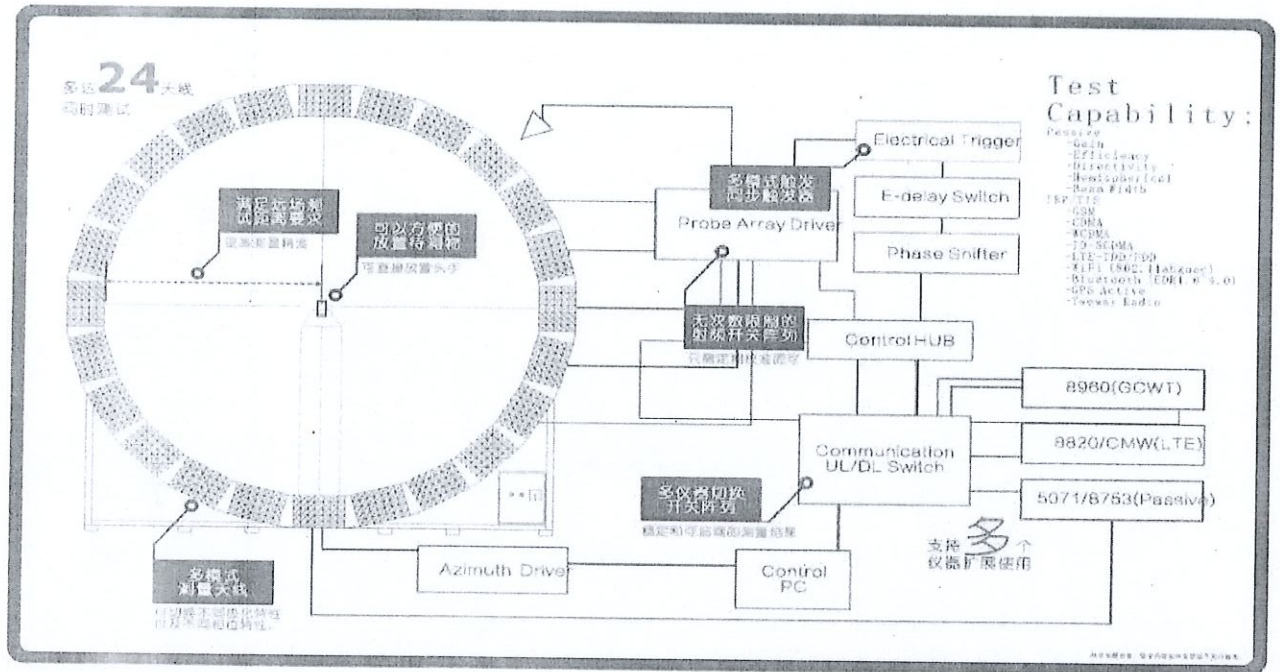
Agilent E5071C Network Analyzer



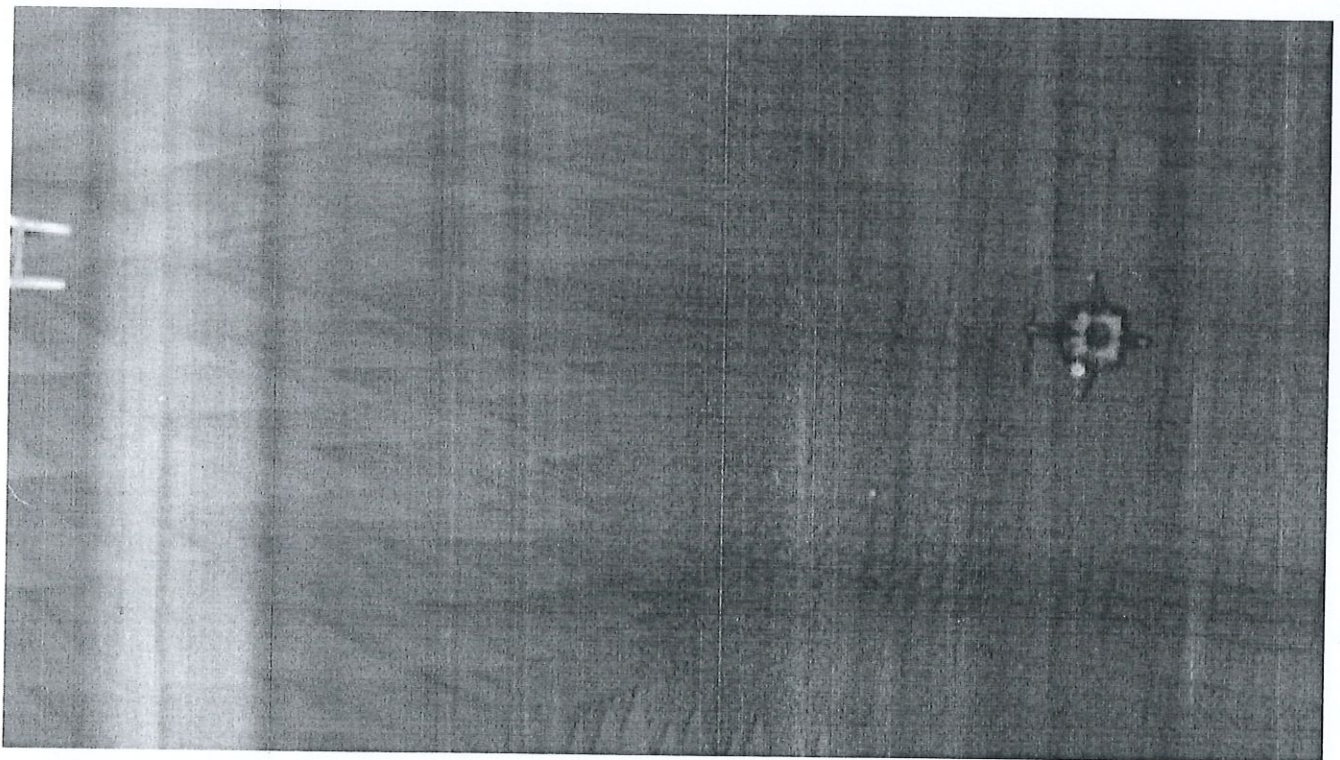
5150-5850MHz



测试原理框图:

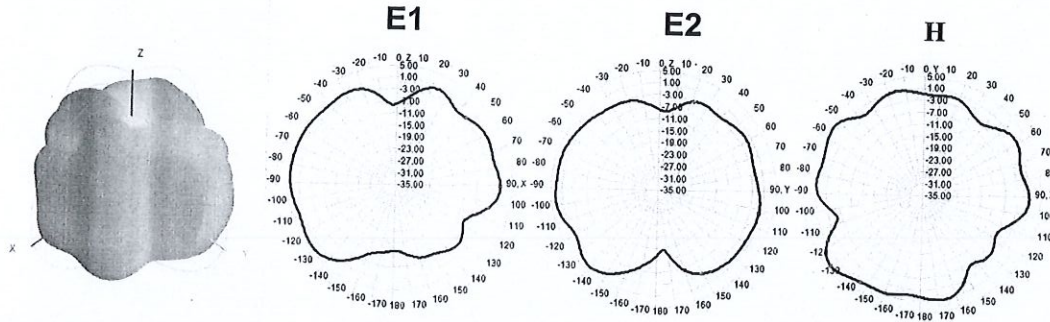


暗室内部图片:

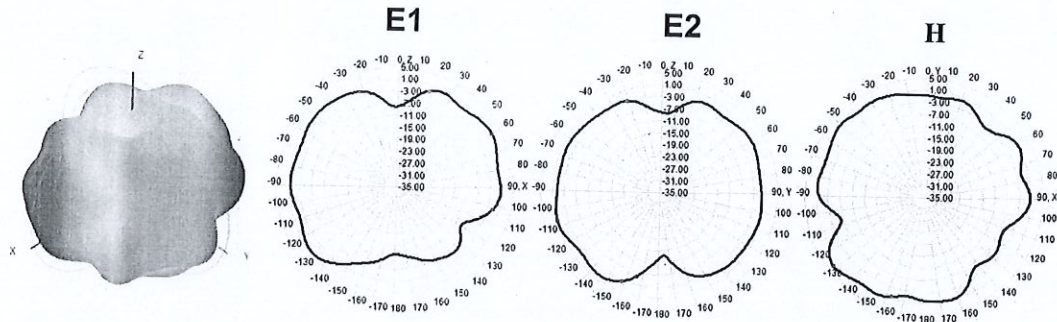


5.15~5.85GHz Radiation Pattern

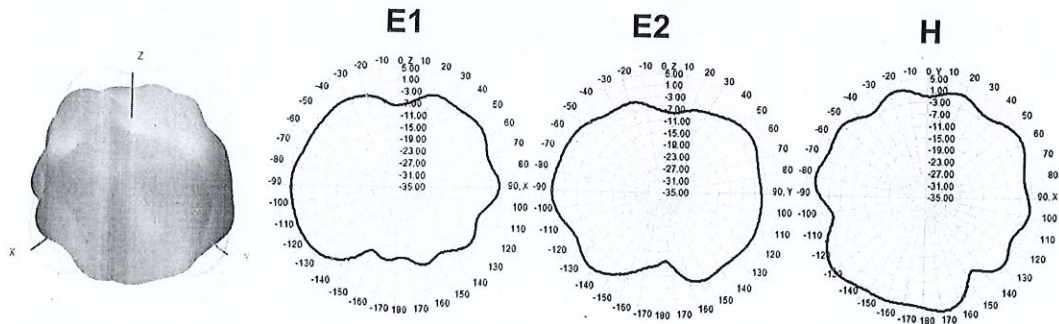
5.15GHz



5.55GHz



5.85GHz



VSWR

	5150MHz	5550MHz	5850MHz
VSWR	1.40	1.61	1.28

3D Peak Gain & Efficiency

Frequency	Antenna	
	Peak Gain (dBi)	Efficiency (%)
5150MHz	3.24	72.31
5200MHz	3.11	74.53
5250MHz	3.18	73.26
5300MHz	3.06	72.11
5350MHz	3.37	72.36
5400MHz	3.21	76.15
5450MHz	3.68	80.05
5550MHz	3.75	74.52
5600MHz	3.38	72.33
5650MHz	3.54	72.64
5700MHz	3.45	73.12
5750MHz	3.51	73.54
5800MHz	3.26	75.22
5850MHz	3.18	71.33