



东莞市艾微科技有限公司

承 认 书

White Enclosure 5GWIFI Antenna 1

客户名称: 微 网

客户项目名称:

客户料号: 51010042

物料名称: 5.8G 5dBi 黑色天线黑色 1.37mm 馈线 L=70mm 一代端子

艾微料号: VW01-W020018

日 期: 2021-12-8

版 别: X1

	MANUFACTURE SIGNATURE	CUSTOMER SIGNATURE
CHECKED BAY:	方以竟	
AUDITOR BAY:	吴娟	
APPROVED BAY		邢省委
DATE:	2021-12-8	2021.12.13

白色天线 51010038
章杰
2021.12.15

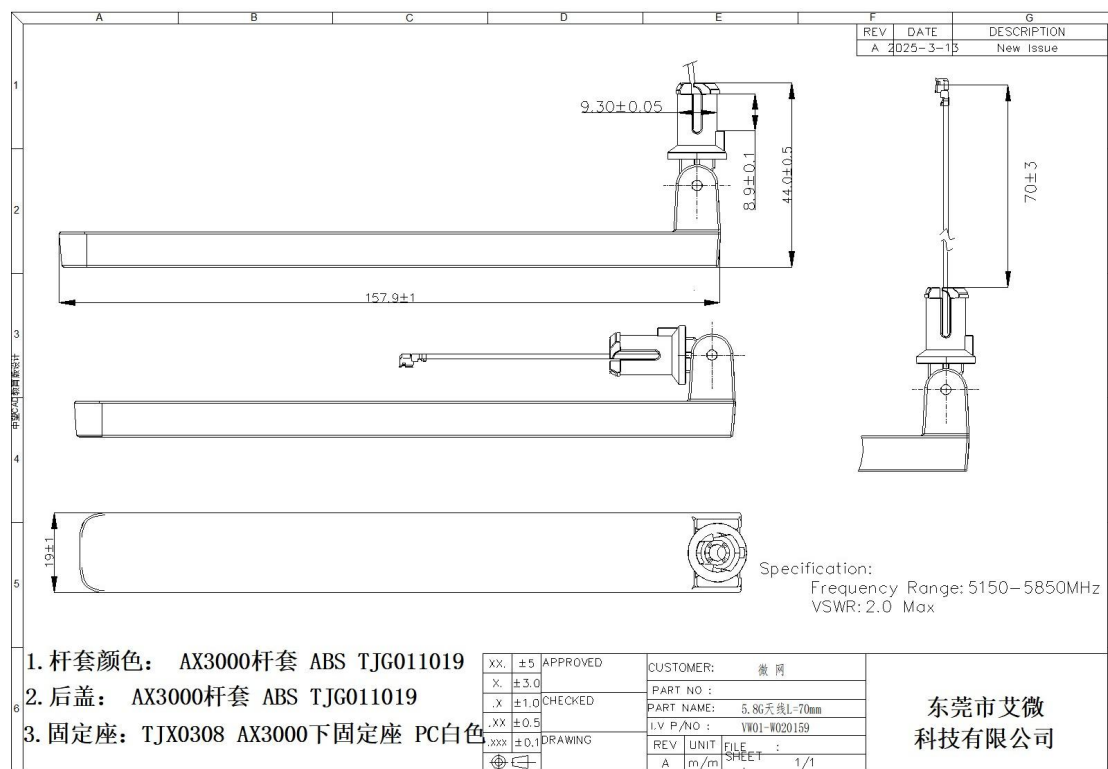
Dongguan ivy technology co.,LTD.

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

1、规格表:

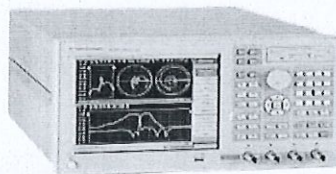
主要技术指标		Main technical specifications	
频率范围 (MHz)	5150~5850	Frequency Range (MHz)	5150~5850
特性阻抗(Ω)	50 $\pm$ 5	Impedance(Ω)	50 $\pm$ 5
增益(dBi)	5 $\pm$ 0.5	Peak Gain(dBi)	5 $\pm$ 0.5
输出电压 驻波比	Max 2.0	VSWR	Max 2.0
最大功率	2W	Admitted Power	2W
极化方式	线性极化	Polarization	Linear Vertical
方向性	全向	Radiation	Omni-directional
连接方式	端子	Connector Type	MHF
物理性能		Physical Properties	
天线线材	1.37 黑色	Antenna cable	1.37 Black 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

二、成品图

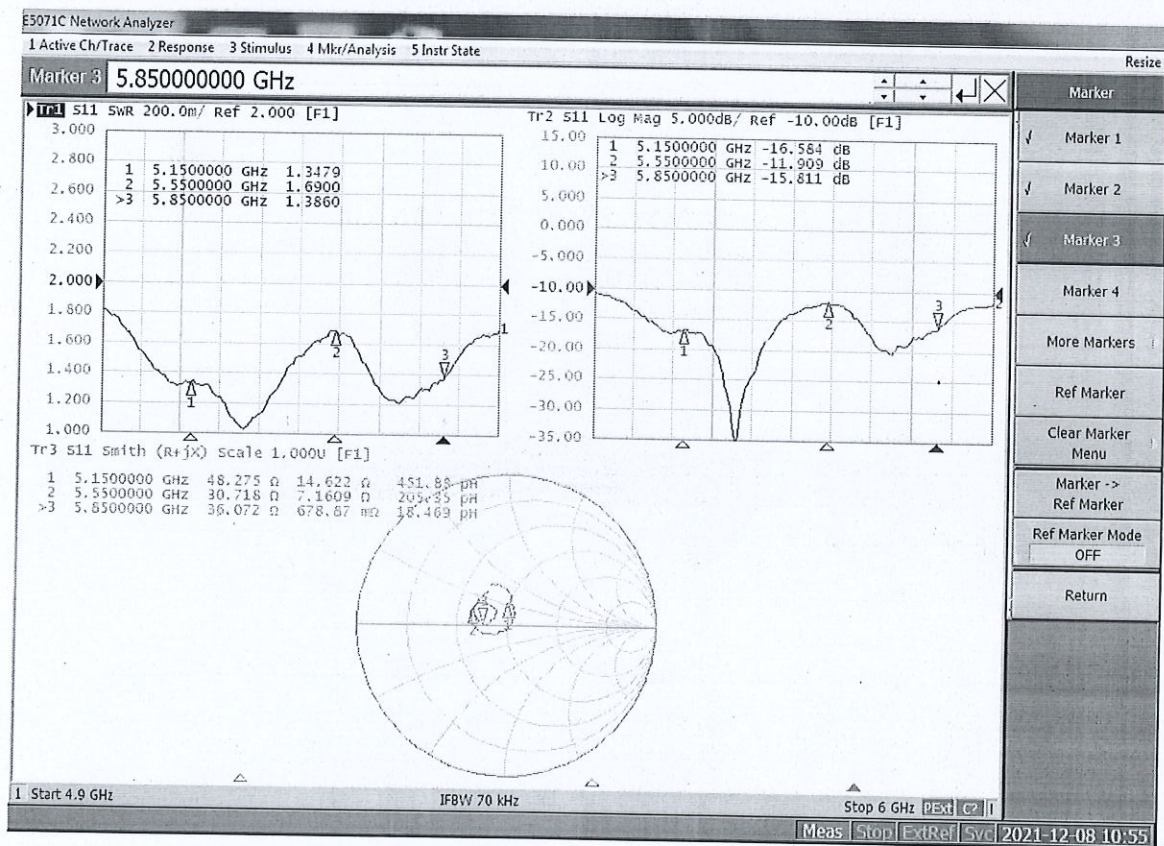


三、电测报告 Product Characteristics

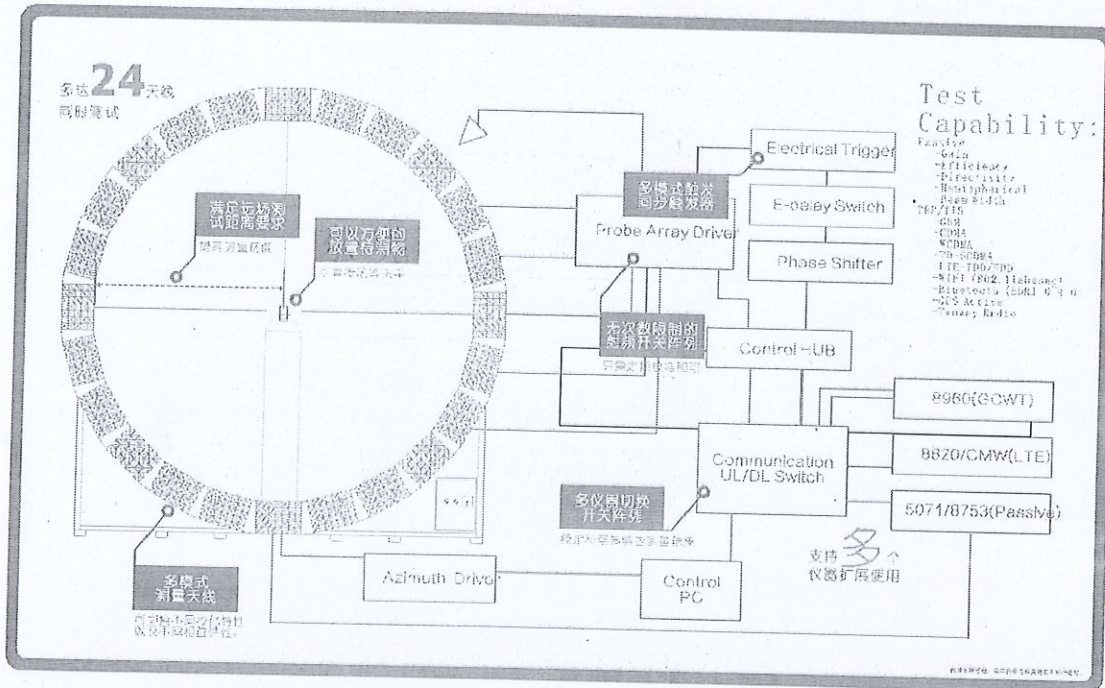
Agilent E5071C Network Analyzer



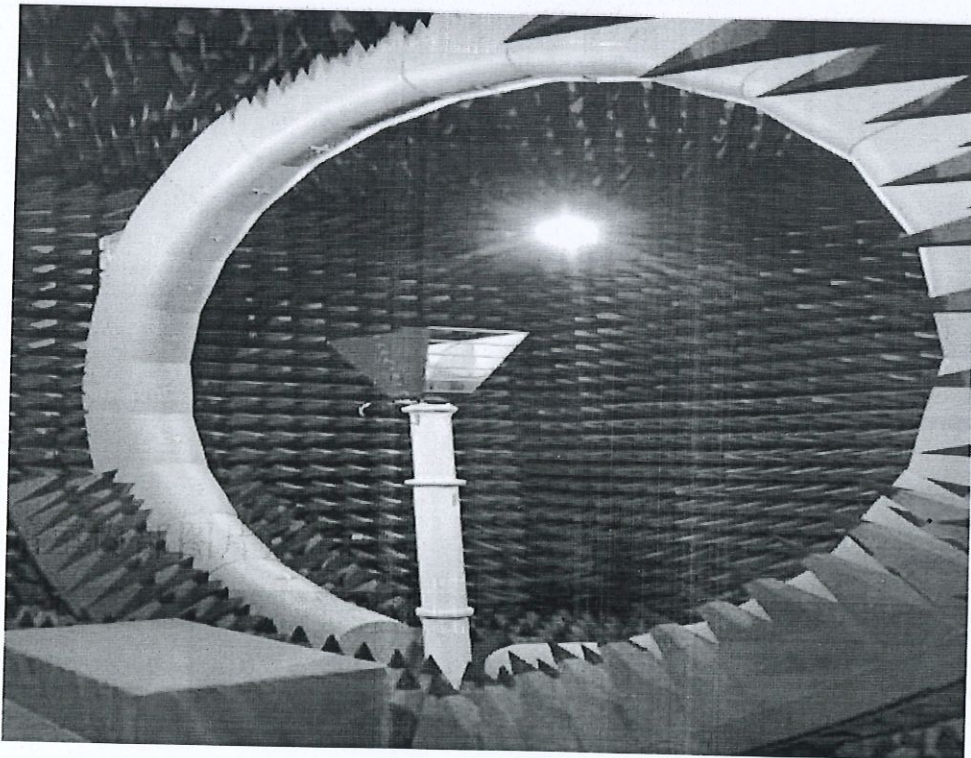
5150-5850MHz



测试原理框图:

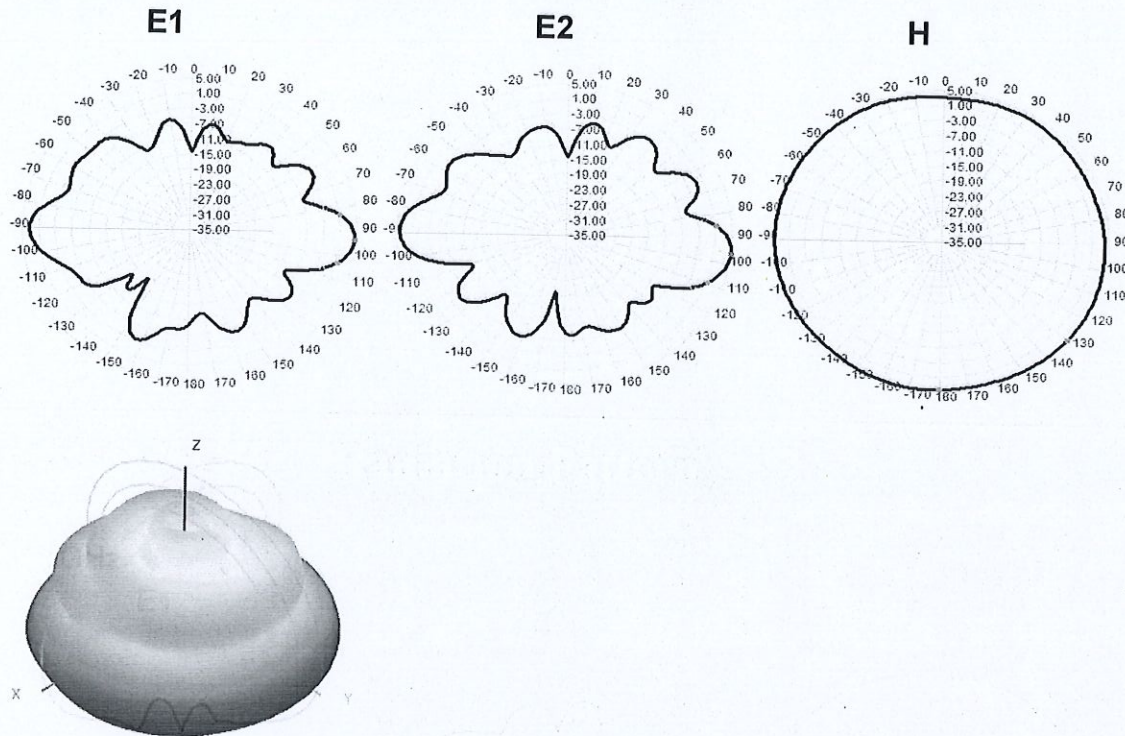


暗室内部图片:

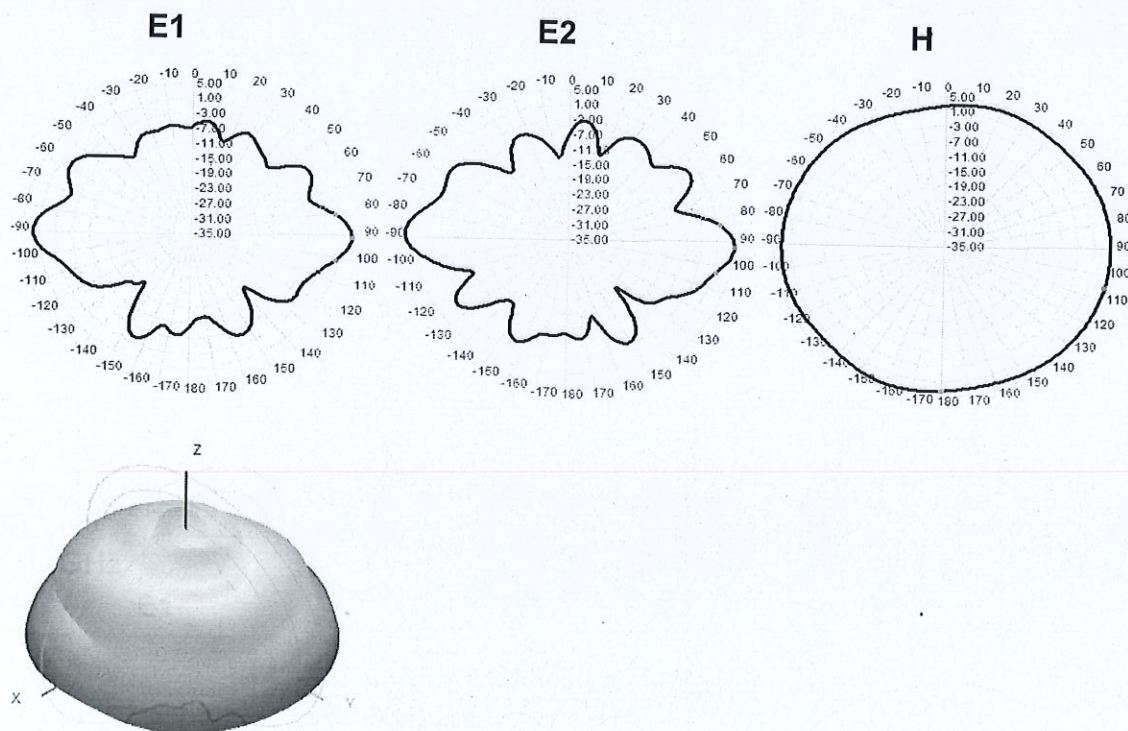


5.15~5.85GHz Radiation Pattern

5.15GHz

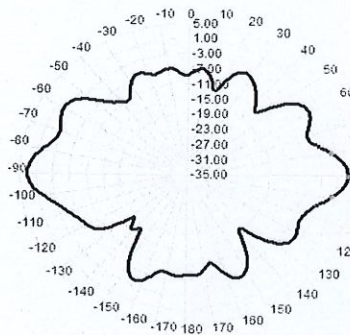


5.55GHz

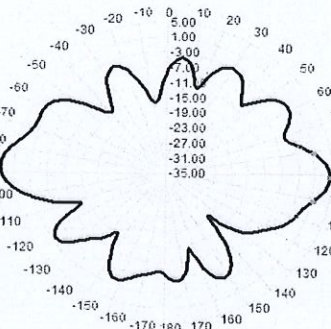


5.85 GHz

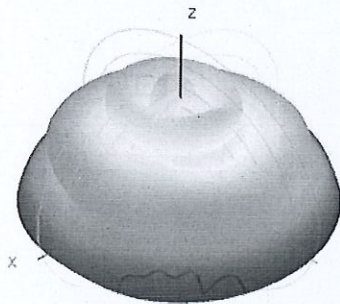
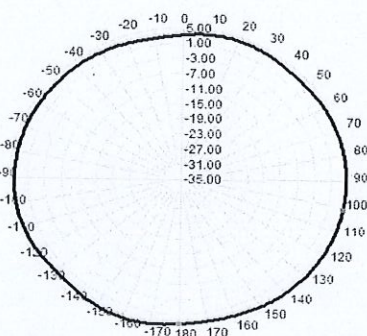
E1



E2



H



VSWR

	5150MHz	5550MHz	5850MHz
VSWR	1.34	1.69	1.38

3D Peak Gain & Efficiency

Frequency	Antenna	
	Peak Gain (dBi)	Efficiency (%)
5150MHz	4.87	73.1
5200MHz	4.95	74.3
5250MHz	5.02	73.5
5300MHz	5.14	76.1
5350MHz	4.91	73.5
5400MHz	5.09	74.6
5450MHz	5.11	76.4
5500MHz	4.97	72.7
5550MHz	4.99	74.9
5600MHz	4.77	75.5
5650MHz	4.89	74.3
5700MHz	4.71	73.2
5750MHz	4.97	73.7
5800MHz	4.93	73.6
5850MHz	4.77	71.4