

Antenna specification manual

Product Specification

客户名称

Customer : Juli North

产品名称

Product Description: 5G WIFI antenna

料号

Part NO.: ANT-PCB-071

客户料号

Customer Part NO.: ANT-PCB-MATE

版本

Version: V1.0

日期

Date: 2022.12.20

	供应商确认 Manufacturer Signature	客户确认 Customer Signature
Approved by:	锐博泰科技	张工
Date:	2022.12	2022.12

目录 Contents

Item	Description	Page
1.	版本 Revised History.....	3
2.	规格表 Antenna Specification.....	4
3.	成品图 Antenna Assembly.....	5
4.	产品图 Product Photo.....	6
5.	测试报告 Test Report.....	7-8

版本 Revised History

Date	Version	Revised Record

规格表 Antenna Specification

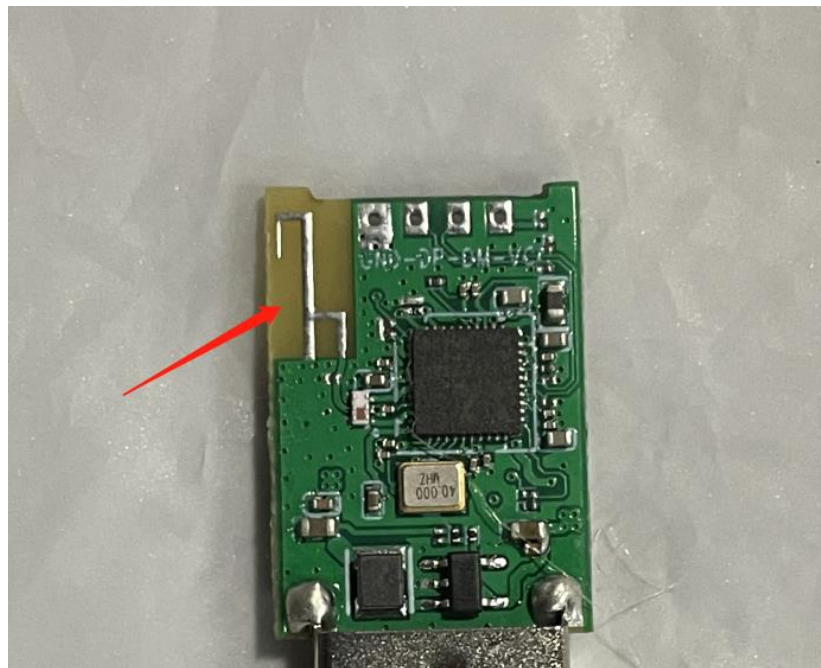
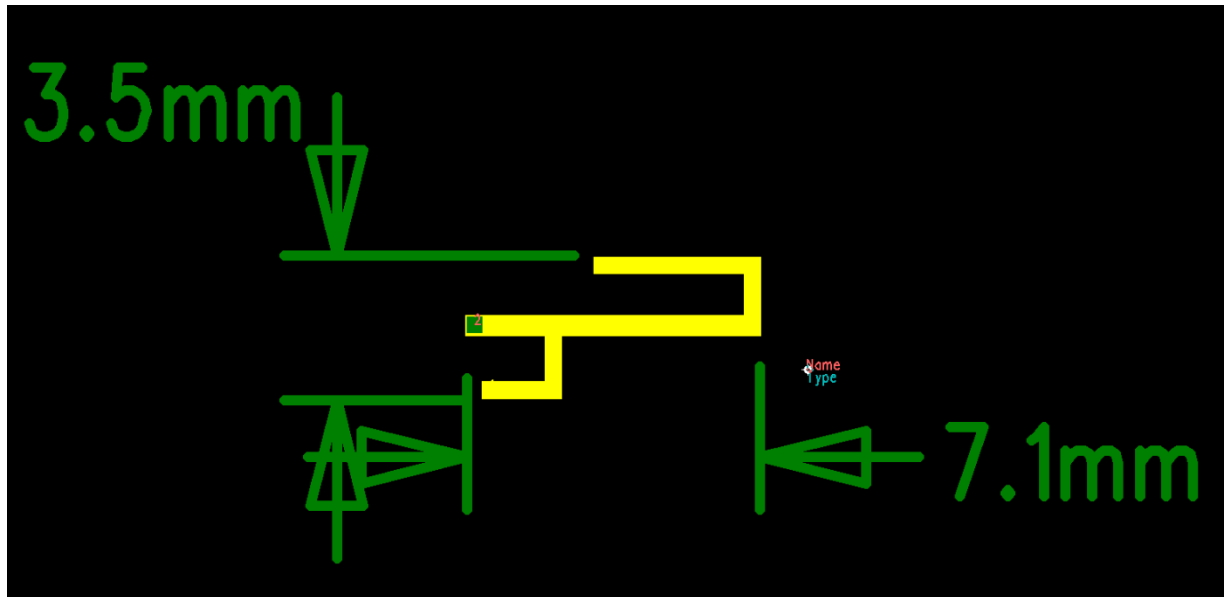
电气特性 Electrical Properties

Function	5G WIFI antenna
Frequency range (GHz)	5.1-5.85
Voltage Standing Wave Ratio (VSWR)	≤ 2.5
Gain (Peak) (dBi)	1.77dBi
Input impedance (Ω)	50
Polarization mode	Linear Vertical
Antenna form	On board PIFA

物理特性 Physical Properties

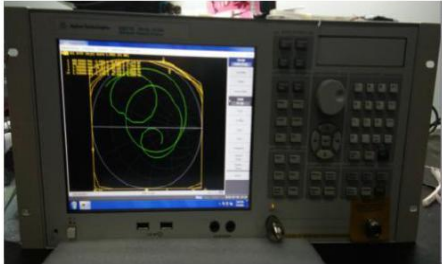
Function	5G WIFI antenna
Antenna appearance size	7.1X3.5mm
Antenna material	PCB
Antenna color	
Cable Type	
Connector model	
Operation temperature	-20℃-85℃
Storage temperature	-40℃-95℃

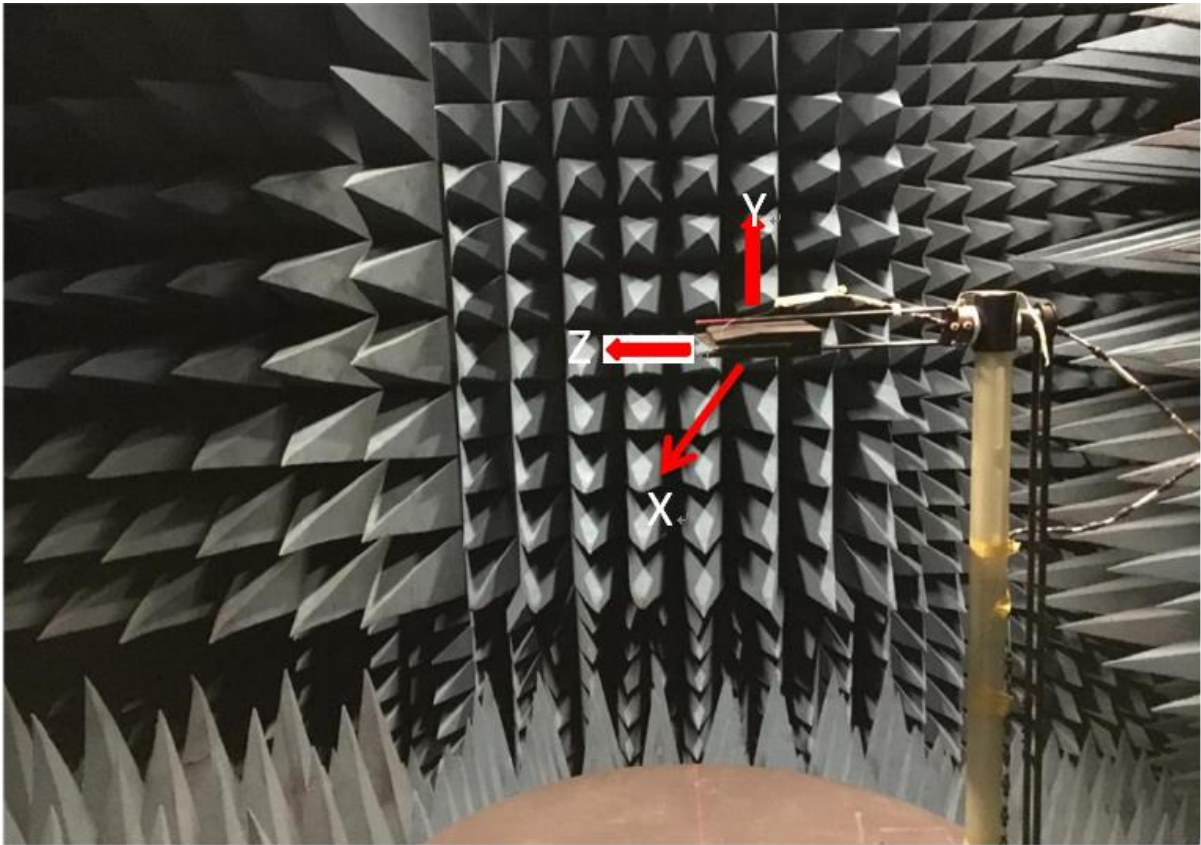
成品图 Antenna Assembly (5G)



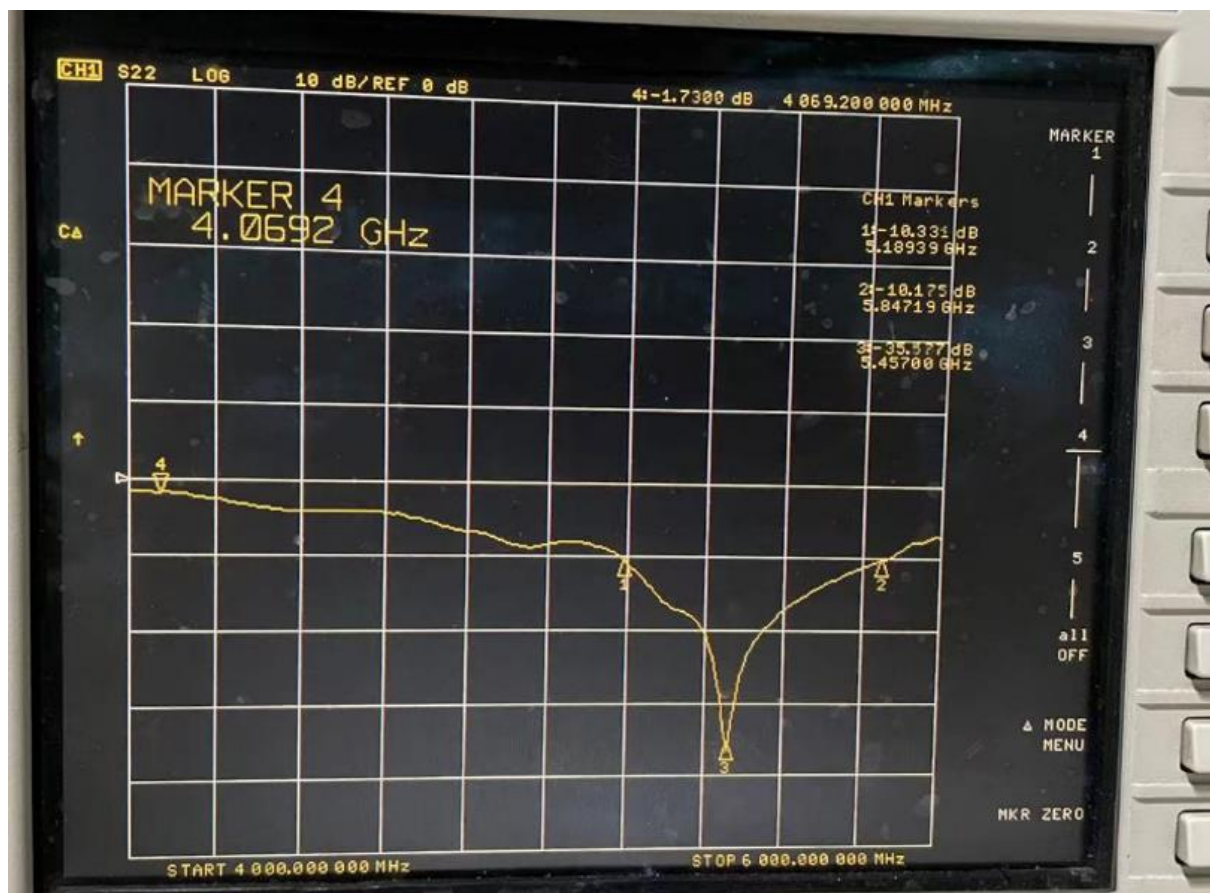
测试报告 Test Report

Test equipment

SN.	Device Name	Device image	Measurement indicators	Operating environment
1	Atenlab 3D microwave anechoic chamber		Passive performance	No large area around
2	Agilent E5071C network analyzer			Metal objects often Warm and humid



Return Loss/VSWR/Smith chart:

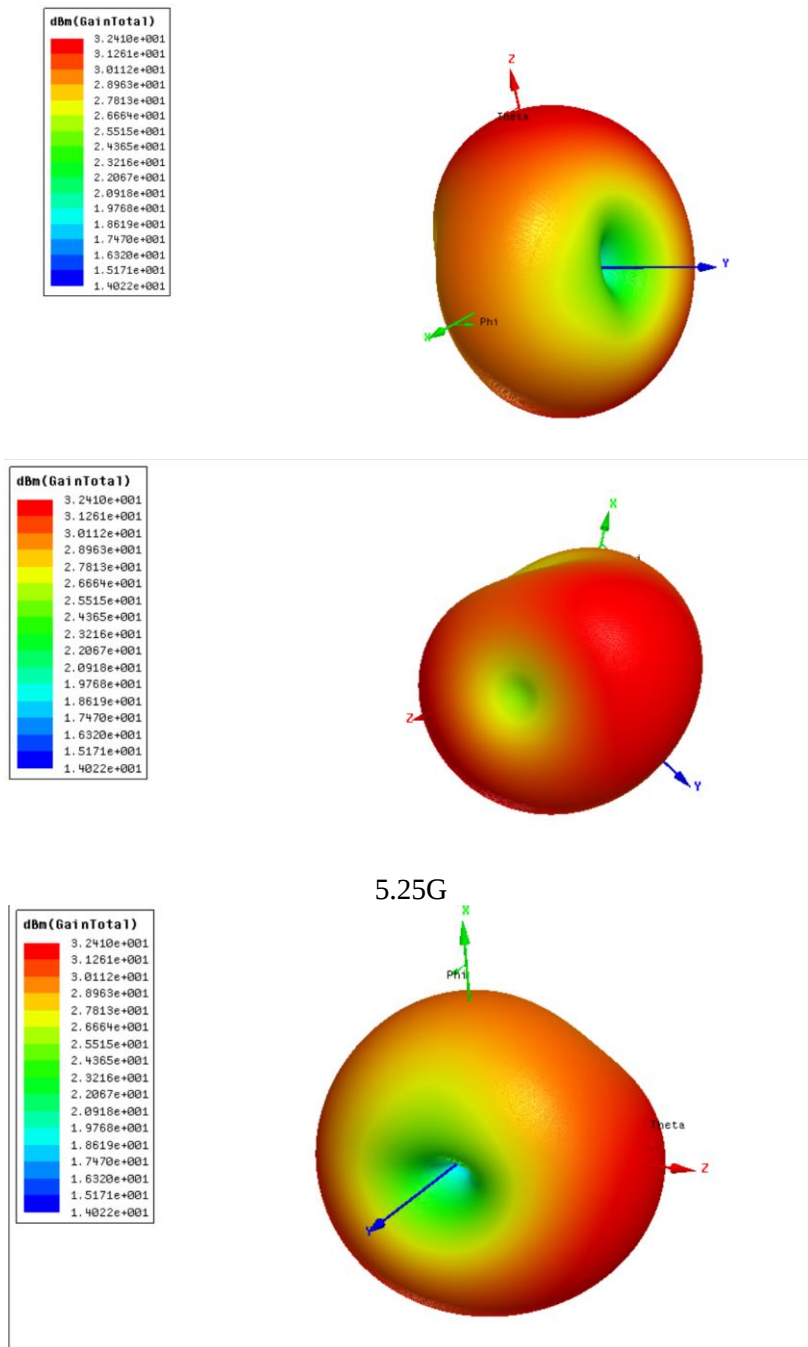


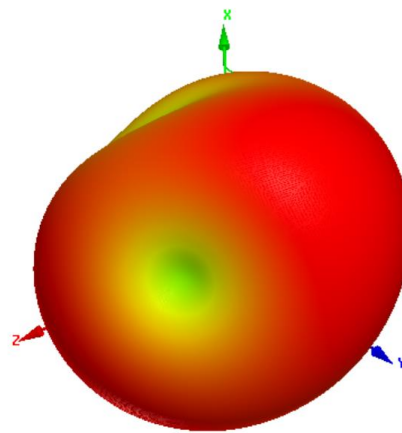
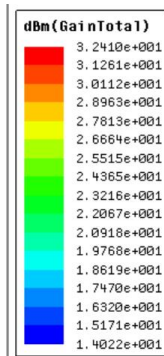
Frequency (GHz)	5.2G	5.85G
Loss	-10	-10
VSWR	1.87	1.87

Antenna gain/Efficiency (5G)

Frequency (GHz)	5.2	5.35	5.5	5.75	5.85
Efficiency (%)	66.2	63.2	64.1	65.9	62.3
Peak Gain (dBi)	1.64	1.72	1.73	1.68	1.77

方向图：





5.8G