



宁波立捷电子有限公司

Ningbo LiJie Electronics Co., Ltd

承认书

APPROVAL SHEET

客户名称Customer Name

SHINNING 3D Tech Co., LTD.

产品型号Product Model

2.4/5G FPC-2: FPC Antenna

客户料号 Customer P/N

/

立捷料号 LiJie P/N

10502-00001AR-89

制作日期 Date Prepared

2024.02.26

制作版本 Revision

A1

立捷电子（ LJICT ）		
设计/Design	审核/Audit	核准/Approve
客户（Customer）		
设计/Design	审核/Audit	核准/Approve

制造厂商/Manufacturer: Ningbo LiJie Electronics Co., Ltd

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WIFI Antenna Tes Report

Customer	SHINING 3D Tech Co., LTD.
Project	Cradle
Antenna Revision	A1
Product Description	2.4/5G FPC-2
Product NO	10502-00001AR-89

Purpose

This report is to measure the performance of [LJ WIFI antenna](#) for SHINING 3D Tech Co., LTD.. All test data are shown as below.

Content

1:Test Result

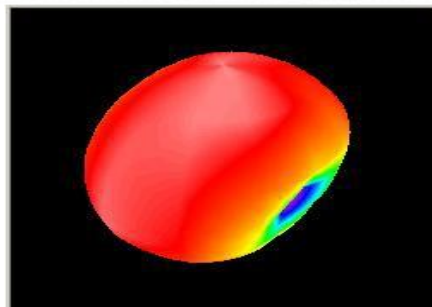
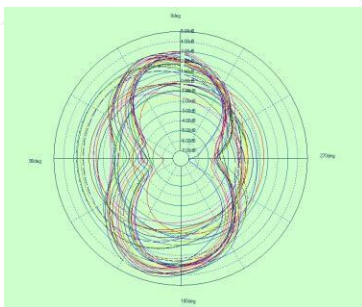
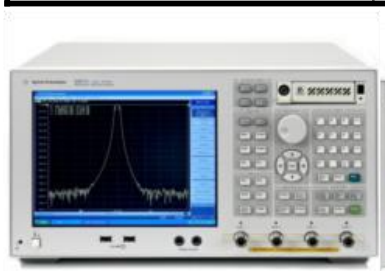
1.1:Antenna Matching Network

1.2:VSWR

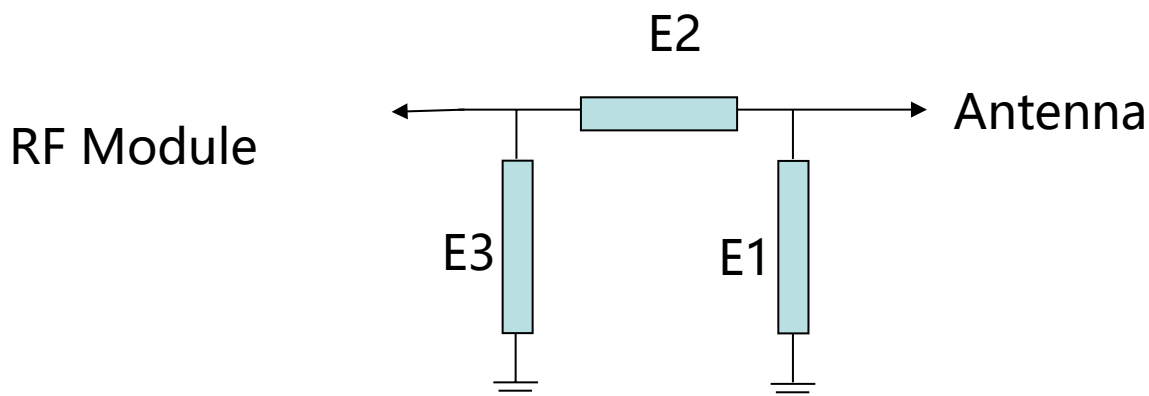
1.3:GAIN & Efficiency

1. Test System

Sequence Number	Test Item	equipment
1. S parameter	VSWR	Agilent 5071C
2. OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW270 GTS
3. Gain & Efficiency	Gain & Efficiency	GTS Agilent 5071C

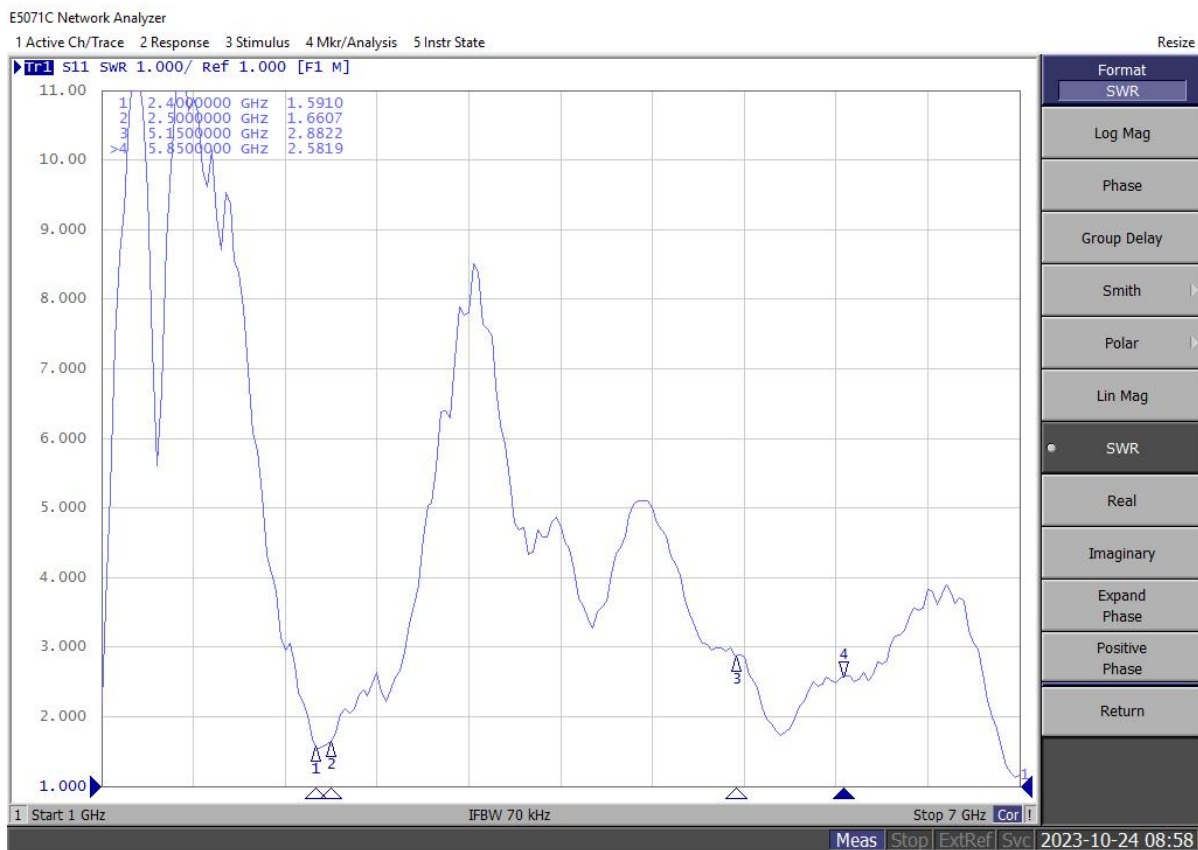


1.1 Antenna Matching Network



Element	Value
E1(0402)	NC
E2(0402)	0Ω
E3(0402)	NC

1.2 VSWR



Freq. (MHz)	2400	2500	5150	5850
VSWR	1.59	1.66	2.88	2.58

1.3 GAIN & Efficiency

Freq. (MHz)	Effi. (dB)	Gain. (dBi)	Effi. (%)
2400	-2.47	0.92	56.57
2420	-2.34	0.96	58.41
2440	-2.33	0.97	58.44
2460	-2.51	0.96	56.07
2480	-2.63	0.92	54.59
2500	-2.75	1.04	53.09
5180	-3.34	2.2	41.34
5220	-3.33	2.16	41.46
5260	-3.05	2.47	44.57
5300	-2.83	2.72	47.15
5340	-2.66	2.88	49.2

5500	-2.57	3.09	50.32
5540	-2.68	2.96	48.89
5580	-2.87	2.61	46.64
5620	-2.89	2.52	46.39
5660	-3.09	2.31	44.07
5700	-3.08	2.57	44.16
5740	-3.06	2.66	44.45
5780	-3.00	2.88	45.13
5820	-2.90	3.09	46.3
5850	-2.86	2.97	46.73

样品检验报告 Sample Inspection Report

客 户/CUSTOMER: SHINING 3D Tech Co., Ltd. 日期/DATE: 2024.02.26

料 号 /PART NO.: 10502-00001AR-89 数 量/QTY: 5 PCS

结论/CONCLUSION

合格/PASS ☒

不合 格/FAIL ☐

一. 外观检验(Appearance Inspection):

检验项目 (Item)	检验结果/Result	PASS	FAIL
1.外观(Appearance)	Good	√	
2.结构描述(Construction)	FPC Antenna-1.13 -MHF, L=55MM	√	

二. 电气特性测试 (Electric Characteristic Inspection):

测试项目(Test Item)	测试条件(Test Condition)	PASS	FAIL
1. 特性阻抗(Impedance)	50Ω	√	
2. 耐压测试(Withstand Voltage)	DC 500V/ AC300 V	√	
3. 驻波 (VSWR)	≤3.0	√	

三. 机械特性测试 (Mechanical Characteristic Inspection):

测 试 项 目 (Test Item)	测试条件 (Test Condition)	测试结果	PASS	FAIL

四. 尺寸检验(Dimension Inspection):

规格值 Spec(Unit:mm)		实测值范围 Actual Range (Unit:mm)					PASS	FAIL
		sample 1	sample2	sample3	sample4	sample5		
1	45±2	55.5	55.5	55	55	55	√	
2	21.93±0.5	21.9	21.9	22	22	22	√	
3	12.69±0.5	12.6	12.6	12.6	12.7	12.76	√	
4								
5								

核准:

审核:

制表:

表单编号: QA-016-A/0