

零件規格承認書

規格書(☐ 1份 ☐ 4份 ☐ 5份 ☐ ____份)
附樣品(☐ 1份 ☐ 4份 ☐ 5份 ☐ ____份)

料 號: 27-581-720000

品 名 規 格: WIFI MAIN Antenna

製 造 商: 一佳電子

供 應 商: 一佳電子

供應商規格料號 YJW01.139.052.301A

製作日期: 2022.09.08 備註:

發行單位		會簽單位	
Initiator:		☐ EMI/RF/ANT	
Check:		☐ QA	
Approve:		☐ ME	
		☐ EE	
		☐ PE	
		☐ Other(keypart)	
分發單位		發佈日期	
☐ QC	☐ 發行單位		
☐ 廠商	☐ EE		
☐ DCC	☐ ME		
☐ Other(Keypart)	☐ EMI/RF/ANT		



承认书项目表

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11	N/A	N/A	N/A
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RoHS

Compatible

CUSTOMER

PART NO

2

3

4

5

6

7

8

REV.

DESCRIPTION

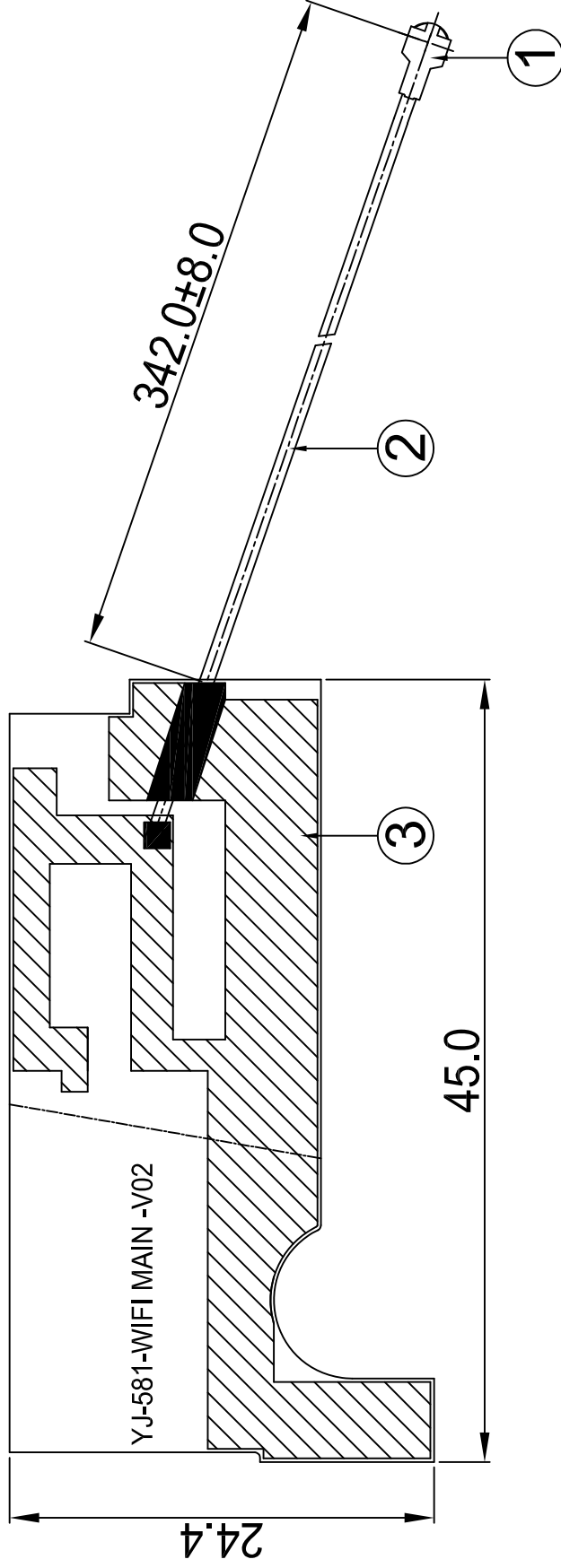
DATE

首次发行

2022-09-03

修改FPC

2022-09-06



东莞市一佳电子科技有限公司

Tel: 0769-82586086
Dongguan Yujia Electronics Communication Technology Co., Ltd. Fax: 0769-82586086

PART NAME: WIFI MAIN Antenna L=342.0MM MHF

PART NO.: YJW01.139.052.301A

DATE: 2022-09-06

APPROVED BY

CHECKED BY

DESIGNED BY

Tolerance

王业昕

周颖杰

陈俊

X.X ±0.50

UNITS: mm

SCALE: 1/1

REVISION: B

X° ±3°

NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY
3	FPC	45.0*24.4MM	FPC	FPC100XXXA.P01	1
2	Coaxial Cable	O.D.1.13 Black Low Loss	O.D.1.13	COA100XXXA.P01	1
1	Mini Connector	Au Plated 4L	Cu	TER100XXXA.P01	1
					Q.TY



天线规格

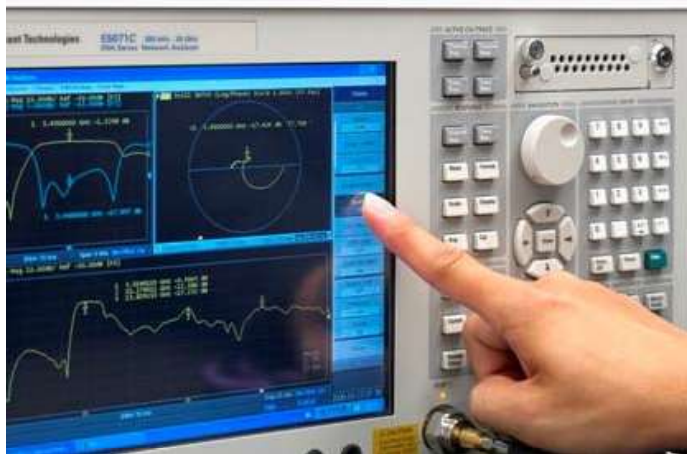
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.8 dBi@2.4-2.5GHz 1.3 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	4L-IPEX
Cable Type	O.D.1.13mm 低损耗
Cable Length	342mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

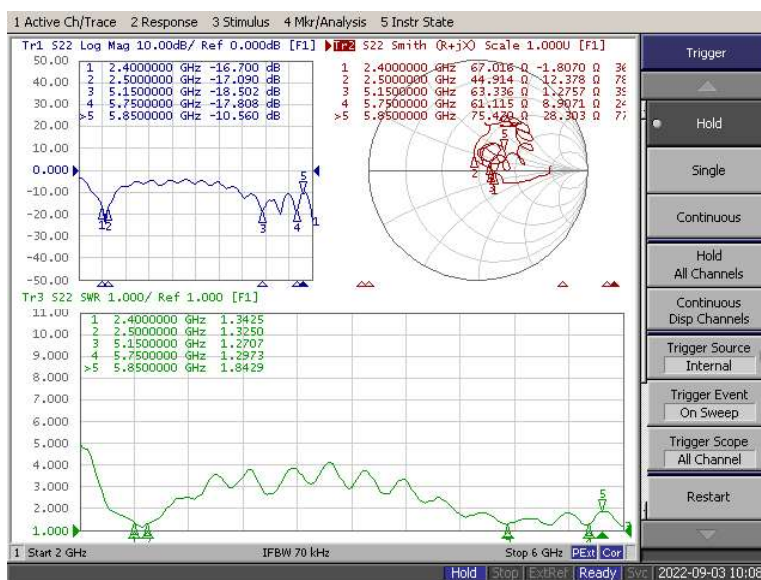


Antenna Performance Test

***Agilent
E5071B***

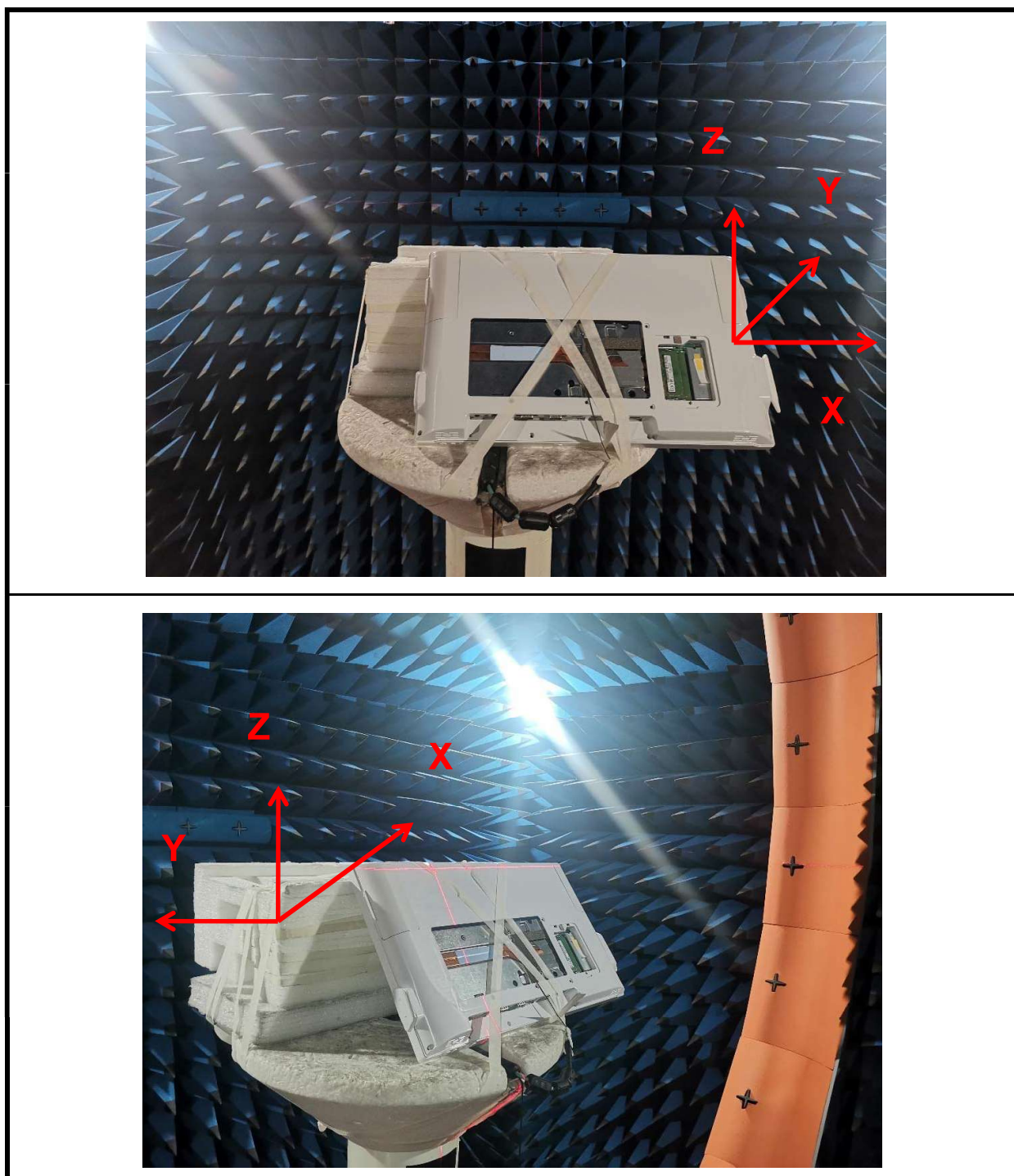


***S
Parameter
Test //
WiFi main
Antenna***





Antenna Passive Test





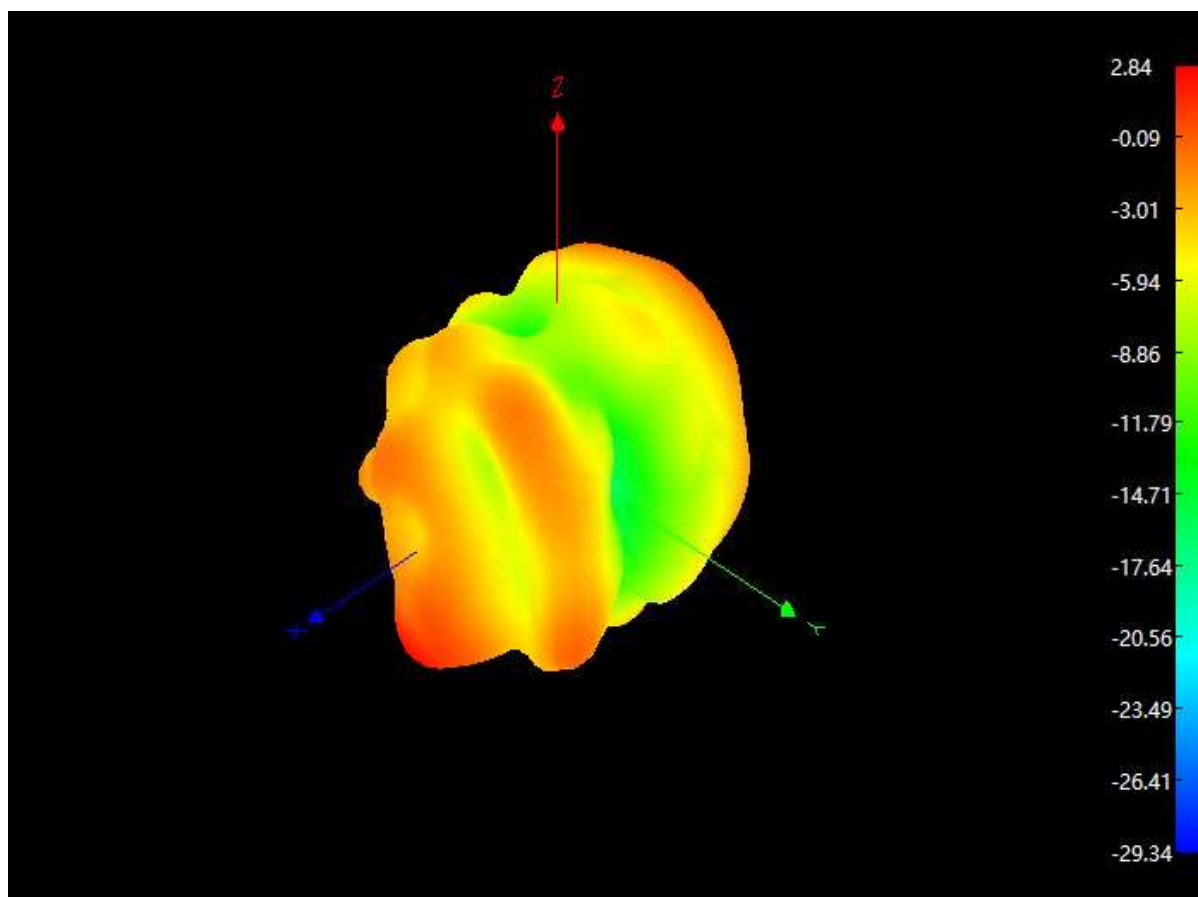
Passive Test For WiFi main Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	45.8	-3.4	2.7
2410	46.7	-3.3	2.6
2420	47.1	-3.3	2.6
2430	48.8	-3.1	2.5
2440	47.5	-3.2	2.7
2450	47.3	-3.3	2.8
2460	46.8	-3.3	2.4
2470	46.6	-3.3	2.5
2480	45.9	-3.4	2.1
2490	45.6	-3.4	1.9
2500	45.0	-3.5	1.4



Passive Test For WiFi main Antenna(5.8G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	50.7	-3.0	1.3
5200	50.0	-3.0	1.2
5250	50.6	-3.0	1.3
5300	52.2	-2.8	1.0
5350	51.5	-2.9	1.0
5400	52.6	-2.8	1.3
5450	47.8	-3.2	1.0
5500	48.8	-3.1	0.5
5550	52.6	-2.8	1.3
5600	53.2	-2.7	1.2
5650	46.2	-3.4	0.5
5700	45.9	-3.4	0.1
5750	46.3	-3.3	0.3
5800	47.9	-3.2	1.2
5850	46.0	-3.4	0.5

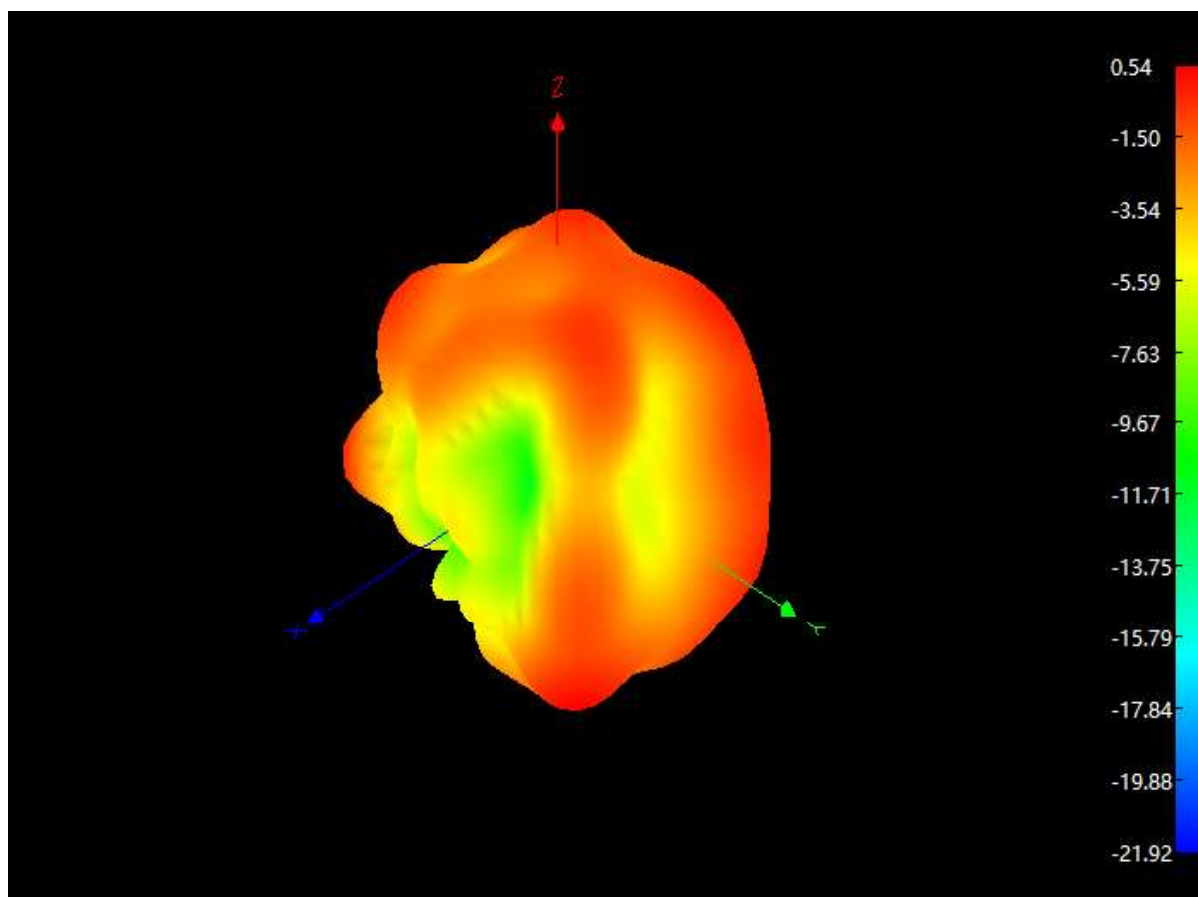


Radiation Pattern For WiFi main Antenna(2450MHz)





Radiation Pattern For WiFi main Antenna(5500MHz)





Device





***WiFi
main
Antenna***



