

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: 27-581-720001

品 名 規 格: WIFI AUX Antenna

製 造 商: 一佳電子

供 應 商: 一佳電子

供應商規格料號 YJW01.139.052.302A

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
12	-	-	-
13	-	-	-

RoHS

Compatible

CUSTOMER

PART NO

REV.

A

DESCRIPTION

首次发行

DATE

2022-08-18

修改线长

2022-09-03

44.5

25.2

YJ-581-WIFI AUX -V01

260.00±5.0



东莞市一佳电子通讯科技有限公司

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

PART NAME: WIFI AUX Antenna L=260.0MM MHF

PART NO.: YJW01.139.052.302A

DATE: 2022-09-03

APPROVED BY

王业昕

CHECKED BY

周颖杰

DESIGNED BY

陈俊

Tolerance

X.X ±0.50

X.XX ±0.15

X° ±3°

NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY
3	FPC	44.5*25.2MM	FPC	FPC100XXXA.P01	1
2	Coaxial Cable	O.D.1.13 Gray Low Loss	O.D.1.13	COA100XXXA.P01	1
1	Mini Connector	Au Plated 4L	Cu	TER10XXXA.P01	1
					Q.TY



天线规格

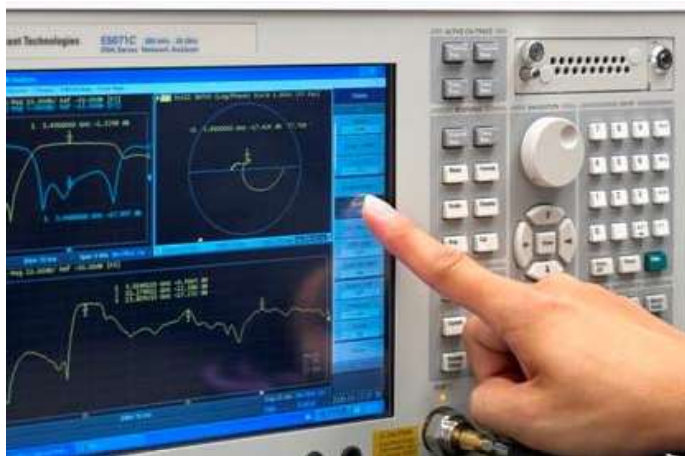
Antenna Specification

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 2.9 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	260mm
Cable Color	Gray
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

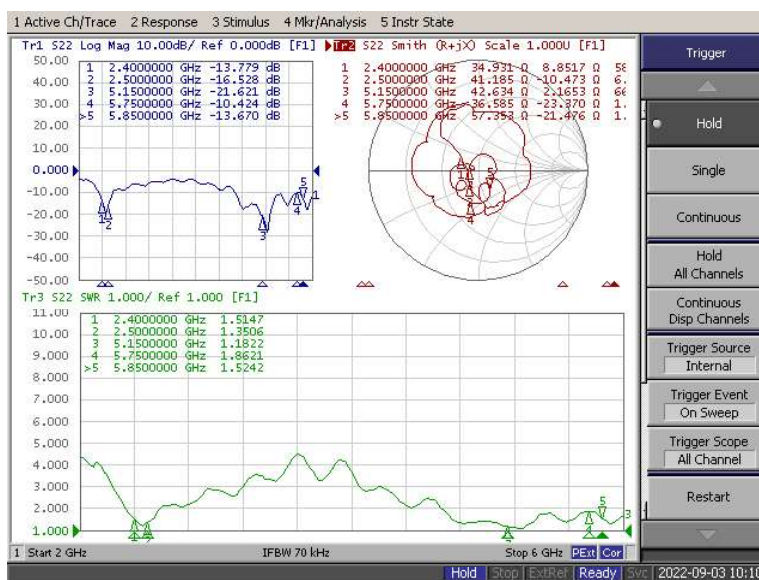


Antenna Performance Test

*Agilent
E5071B*

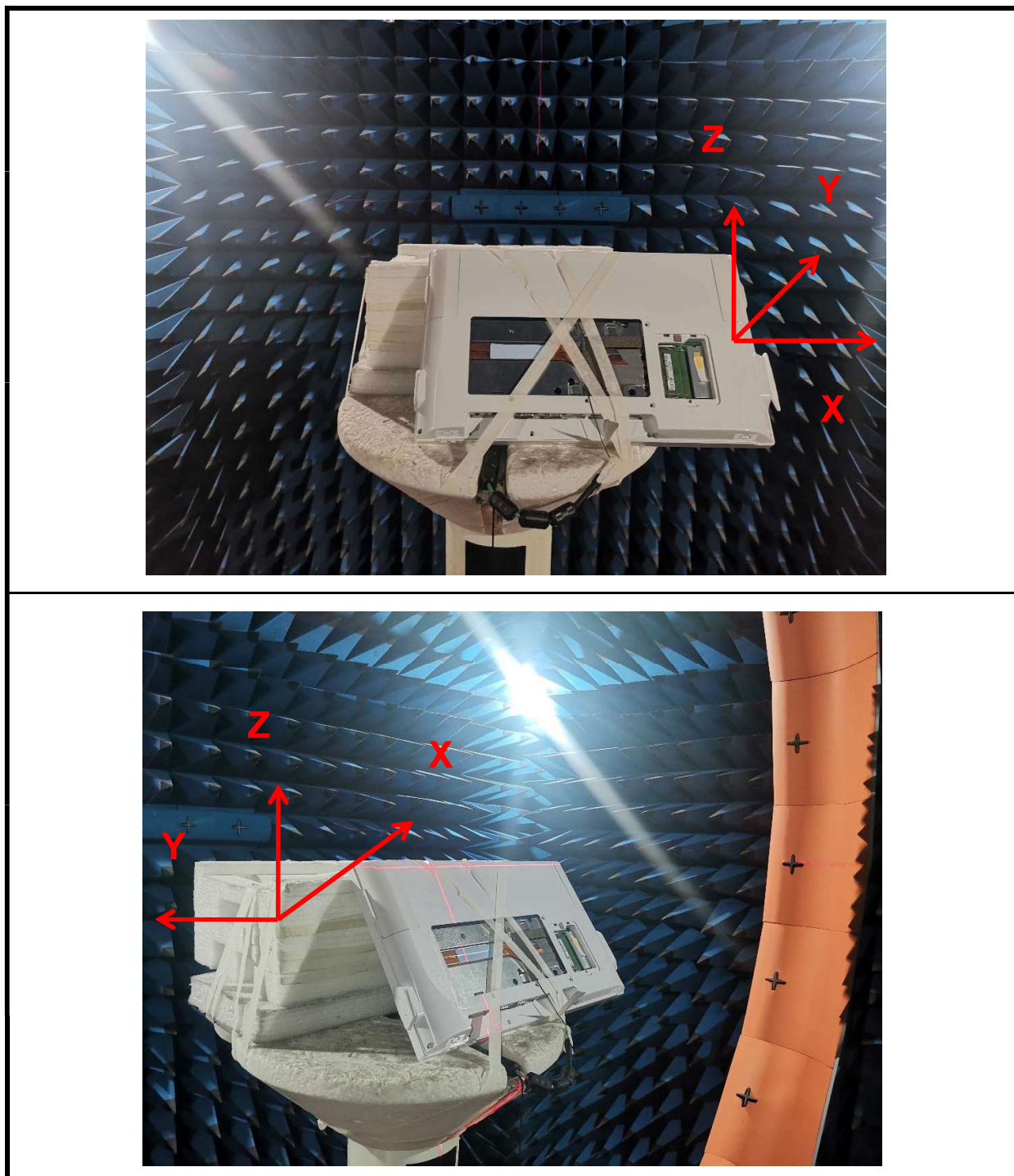


*S
Parameter
Test //
WiFi aux
Antenna*





Antenna Passive Test





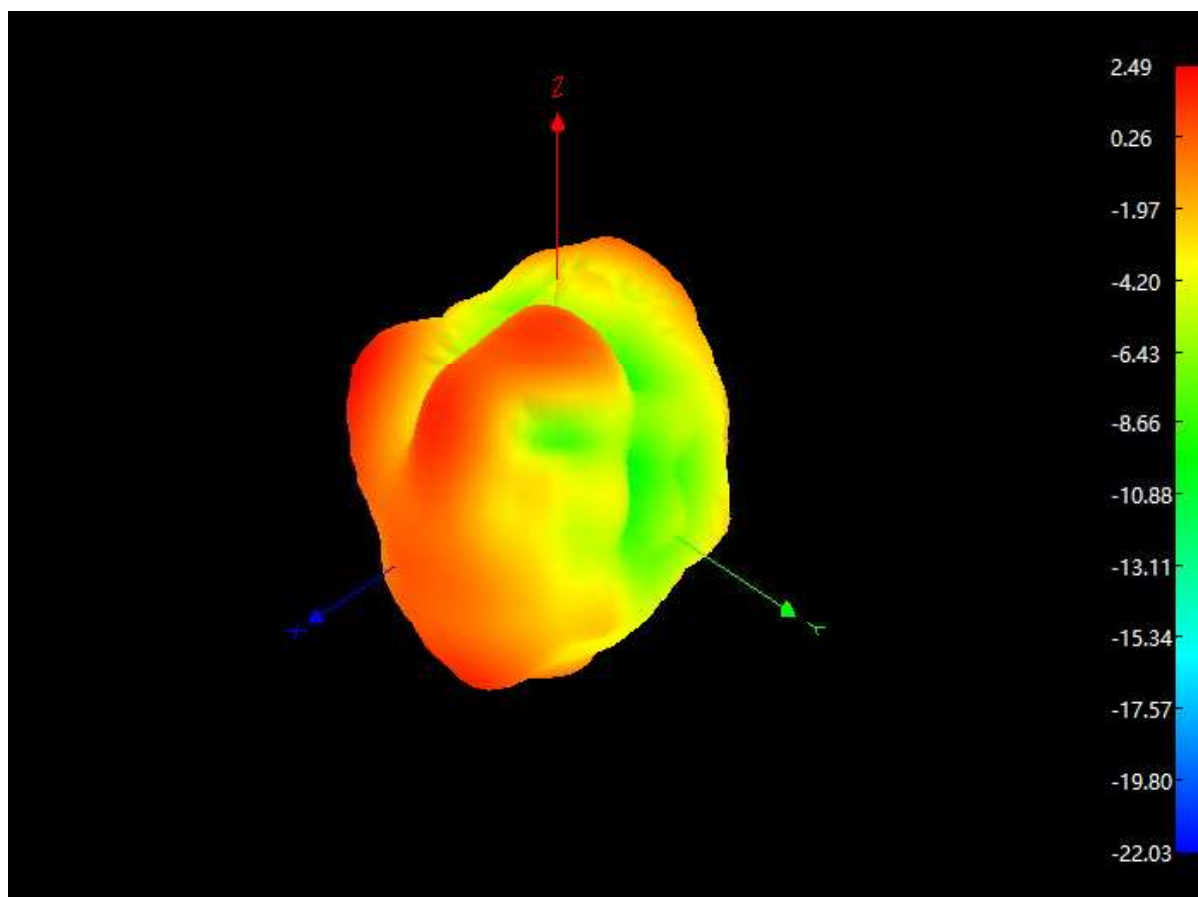
Passive Test For WiFi aux Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	45.3	-3.4	2.8
2410	45.6	-3.4	2.7
2420	45.9	-3.4	2.5
2430	46.3	-3.3	2.4
2440	46.9	-3.3	2.2
2450	48.0	-3.2	2.5
2460	47.6	-3.2	2.3
2470	47.0	-3.3	2.7
2480	46.6	-3.3	2.5
2490	46.0	-3.4	2.8
2500	45.4	-3.4	2.5



Passive Test For WiFi aux Antenna(5.8G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	54.7	-2.6	2.9
5200	53.7	-2.7	2.8
5250	53.8	-2.7	2.5
5300	53.0	-2.8	2.6
5350	49.9	-3.0	2.1
5400	50.9	-2.9	2.3
5450	48.5	-3.1	1.3
5500	47.0	-3.3	1.2
5550	54.2	-2.7	2.2
5600	56.4	-2.5	2.4
5650	48.1	-3.2	1.9
5700	46.9	-3.3	1.5
5750	46.7	-3.3	1.4
5800	47.6	-3.2	1.0
5850	49.7	-3.0	1.0

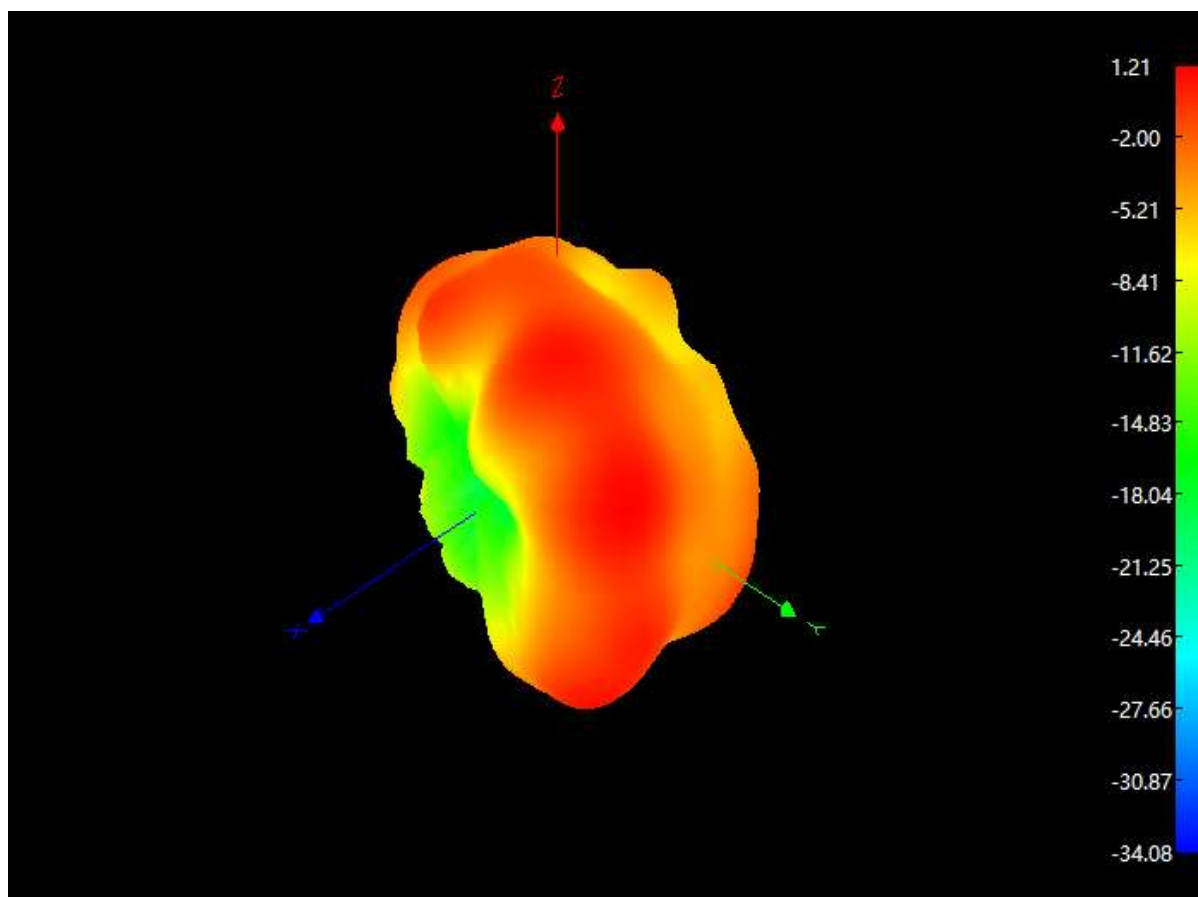


Radiation Pattern For WiFi aux Antenna(2450MHz)





Radiation Pattern For WiFi aux Antenna(5500MHz)





Device





*WiFi
aux
Antenna*



