

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称 WIFI 天线 PCB 外置天线 L=120mm 1.13 黑色线

PRODUCT NAME:

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01C110P3D5033A REV: B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2025/05/14	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2025-05-06
B	Update wire length	lina	2025-05-14

Content

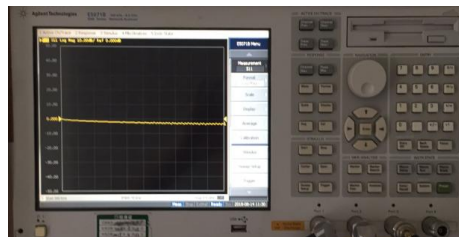
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Installation diagram
7.-----	Mechanical Specification

1. Electrical Specification

Characteristics	Specifications	Unit
Outline Dimensions	57.02*24.4 L=120	mm
Frequency	2400-2500/5150-5850/5925-7125	MHz
Impedance	50	Ω
VSWR	< 1.92	
Polarization	Linear Polarization	
AVG Gain	3	dBi
Efficiency	>60	%
Connector Type	1.13	
Operating temperature	-40℃~+80℃	
Storage Temp	-40℃~+80℃	

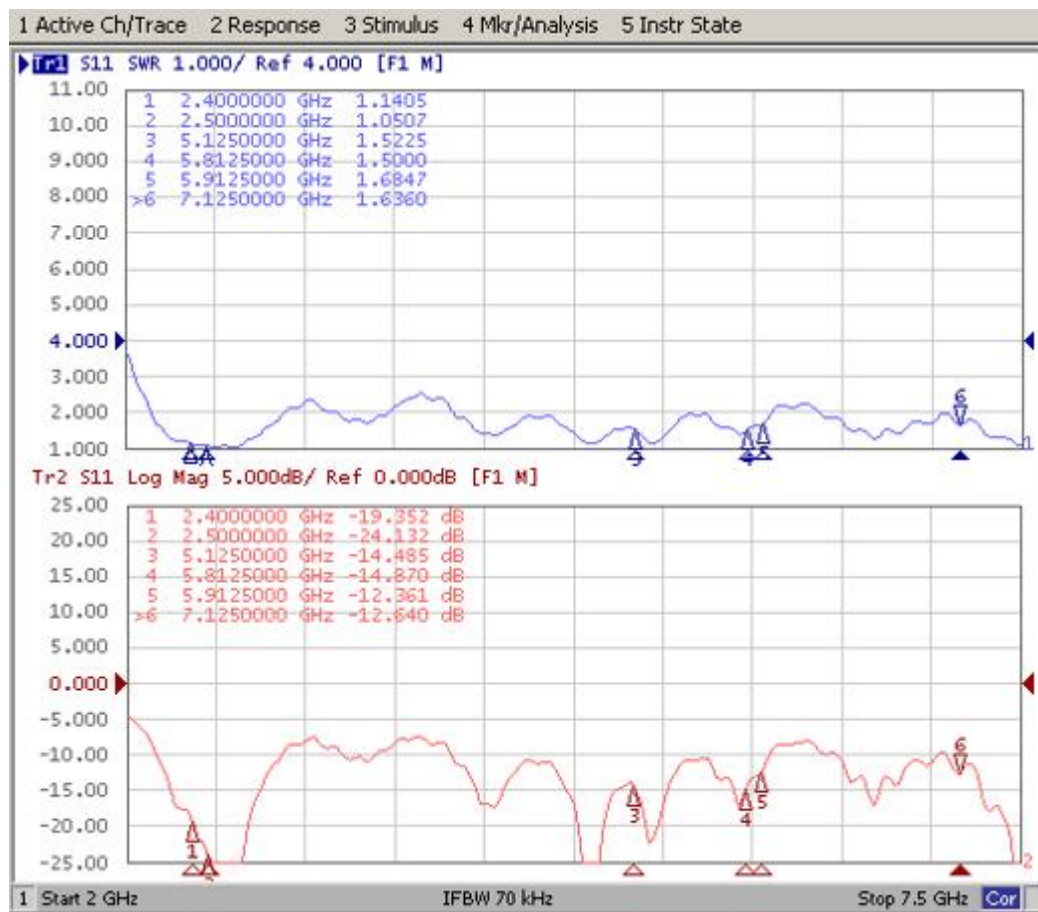
2. Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)



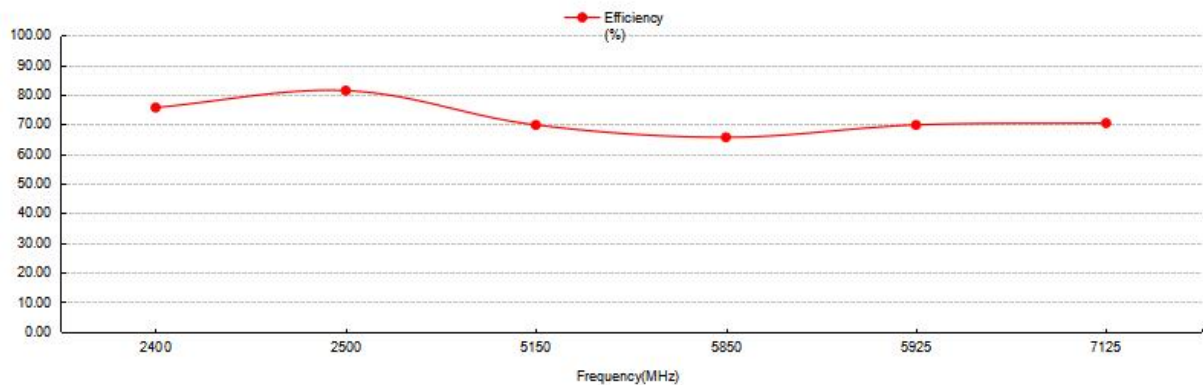
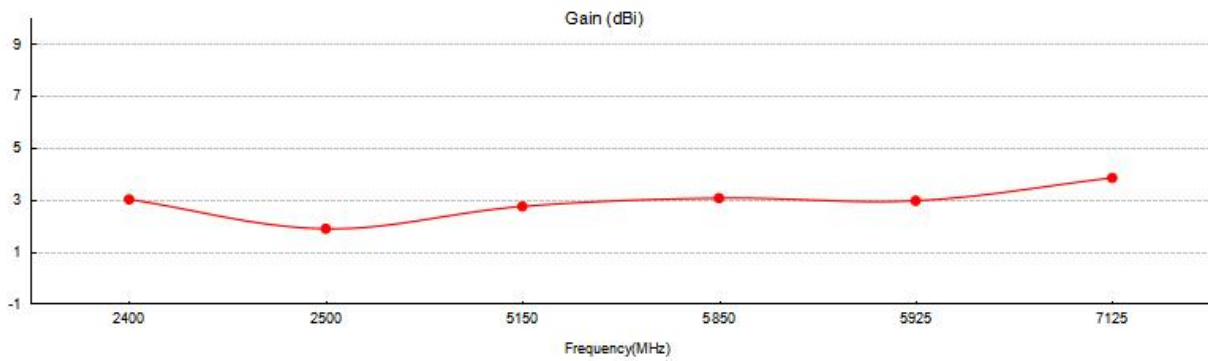
3. S Parameter

Frequency (MHz)	VSWR	Return Loss (dB)
2400	1.14	-19.35
2500	1.05	-24.13
5125	1.52	-14.48
5812	1.50	-14.87
5912	1.68	-12.36
7125	1.63	-12.64



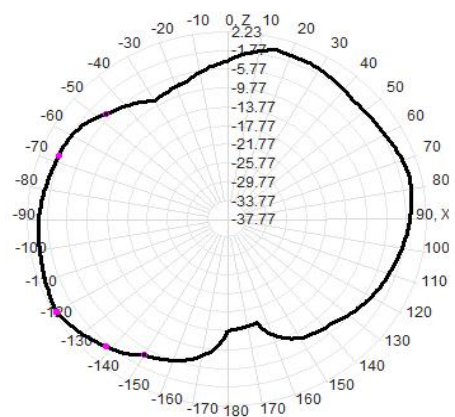
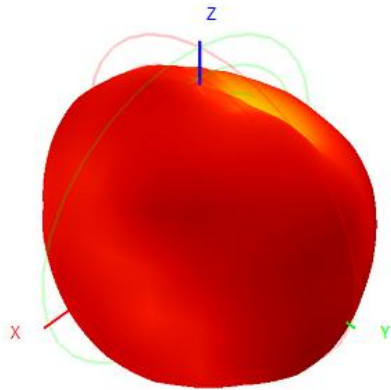
4. Efficiency and Gain

Frequency (MHz)	2400	2500	5150	5850	5925	7125
Efficiency (%)	75.62	81.33	69.75	65.58	69.75	70.38
Gain (dBi)	2.23	1.88	2.74	3.06	2.96	3.84

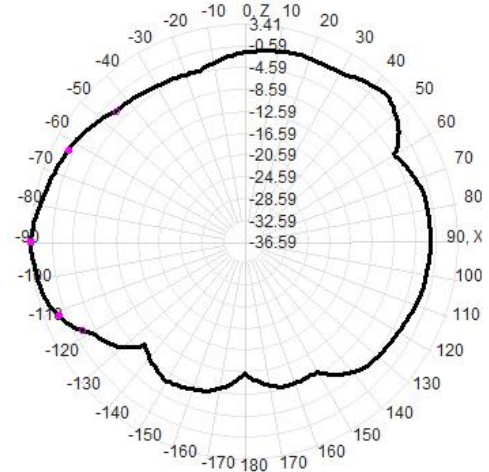
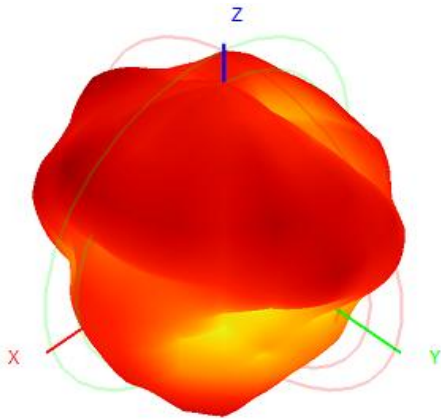


5. Radiation Pattern 2D&3D

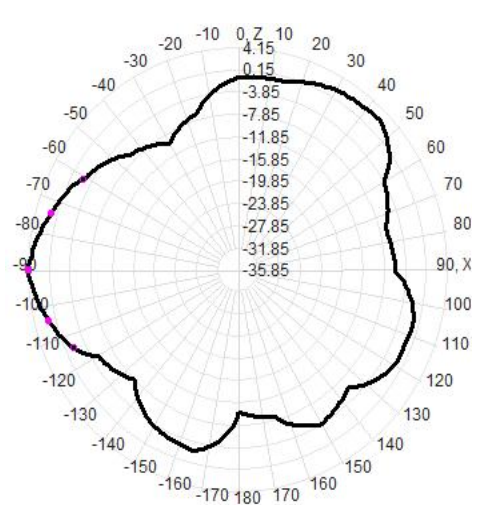
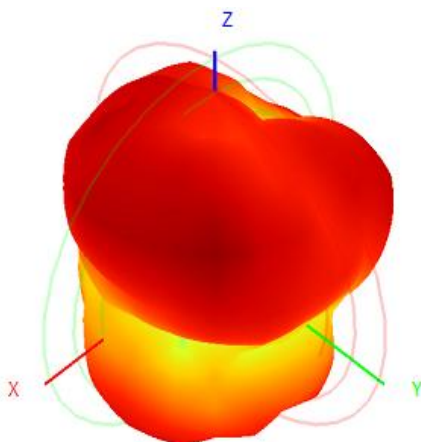
2450MHz



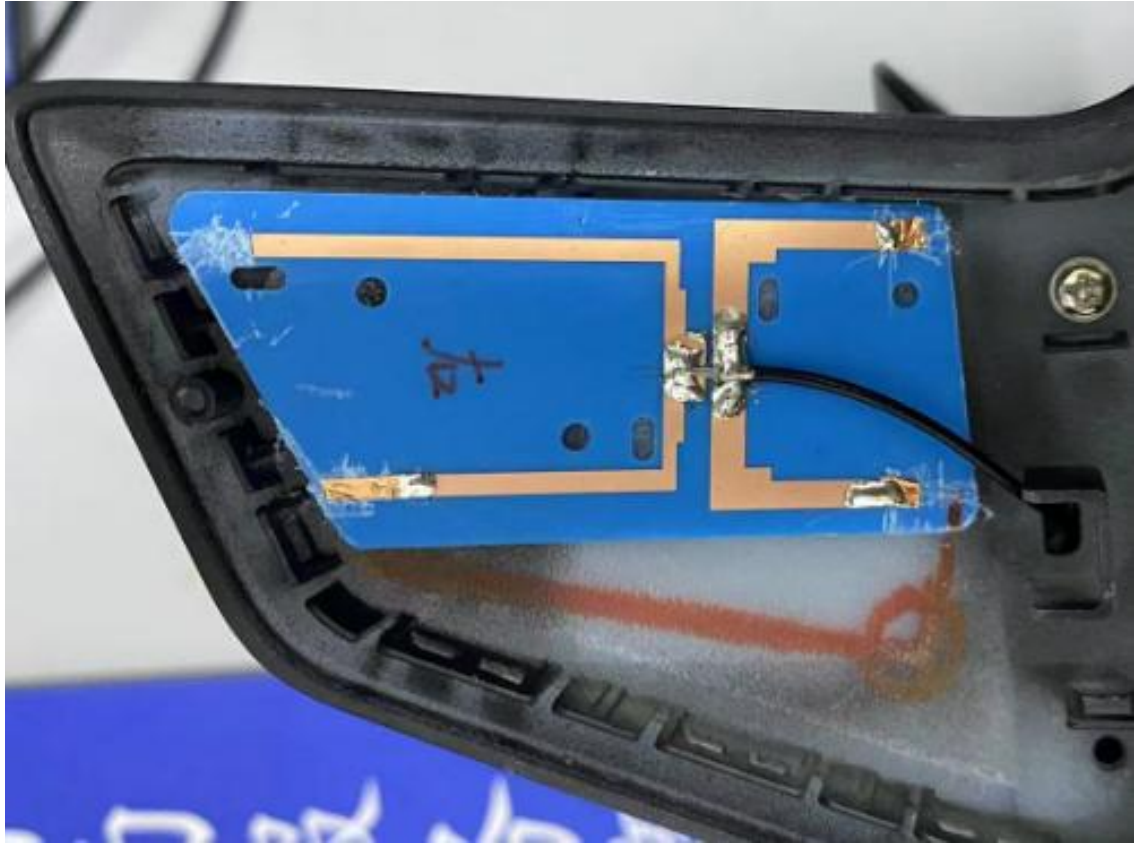
5500MHz



6575MHZ



6. Installation diagram



7. Mechanical Specification

