

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称 车端 WIFI2.4-5.8G FPC 天线 1.37 黑色线 L=200mm+端子

PRODUCT NAME:

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01C200F2D5803A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	lina 	
APPROVED BY:	Jiatao. jiang	
DATE:	2026-03-27	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2026-03-27

Content

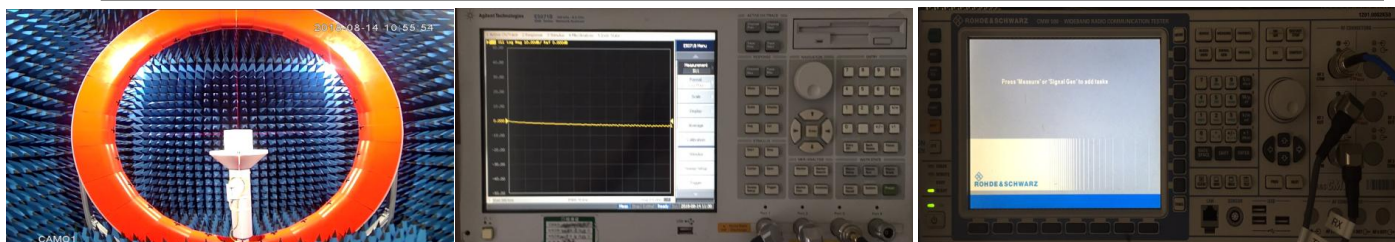
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification

1.Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	28.1*30.8 L=200	mm
Frequency	2400-2500/5150-5850	MHz
Impedance	50	Ω
VSWR	≤ 1.74	
Polarization	Linear Polarization	
Gain	2.4G:4.77 5.8G:6.72	dBi
Efficiency	≤ 63.23	%
Connector Type	RF1	
Operating temperature	-40℃~+85℃	
Storage Temp	-40℃~+85℃	

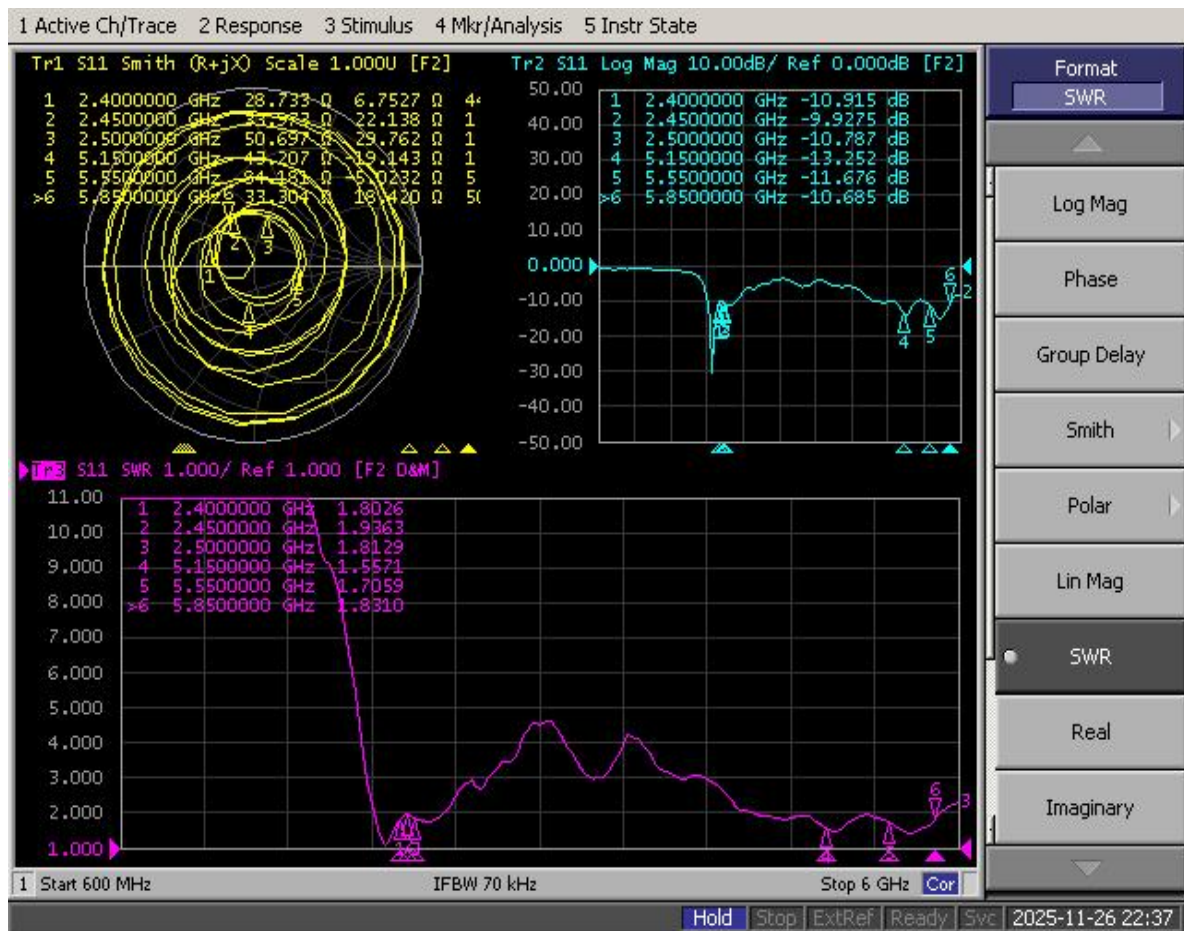
2.Test Items and Equipment

	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	1.74	-11.39
2450	1.41	-15.25
2500	1.36	-16.33
5150	1.47	-14.44
5550	1.09	-28.15
5850	1.26	-18.72



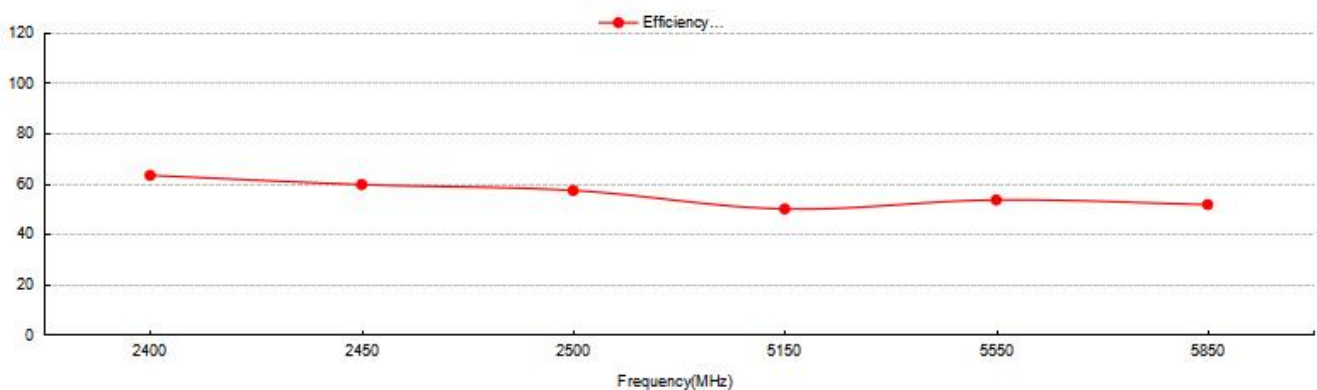
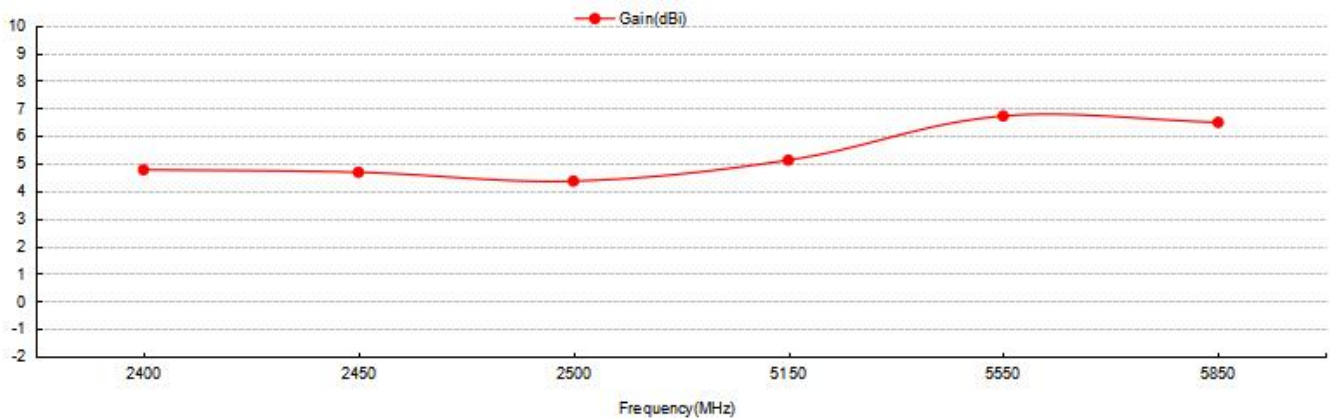
* Voltage Standing Wave Ratio(VSWR)

Return Loss(RL)

$$RL=20*\log_{10}[(VSWR+1)/(VSWR-1)]$$

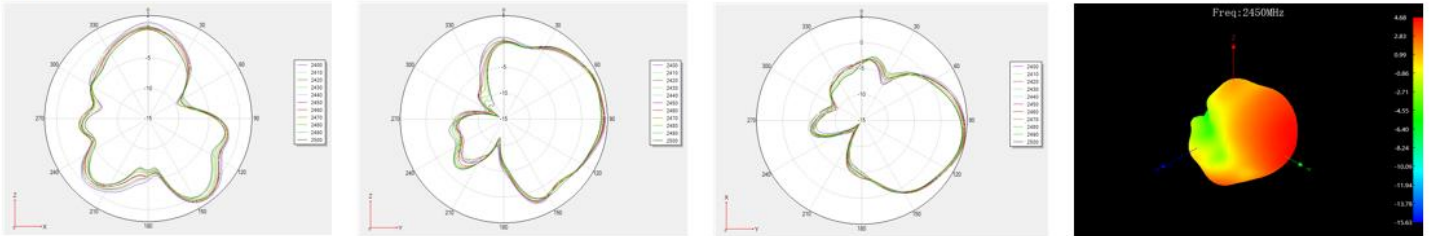
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500	5150	5550	5850
Efficiency (%)	63.23	59.57	57.23	49.89	53.46	51.64
Gain(dBi)	4.77	4.68	4.36	5.12	6.72	6.49

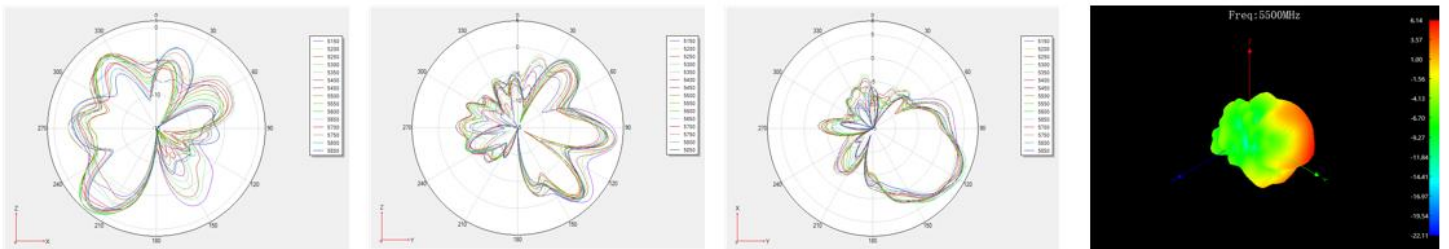


5. Radiation Pattern(2D&3D)

2.4



5.8



6. Mechanical Specification

