



好天线 · 优比造

东莞市优比电子有限公司

Dongguan Youbi Electronics Co.,Ltd

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4G 外置天线出线 L=150mm+端子

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02C150W5D5658A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Lina	
APPROVED BY:	 Zhonglin. Liu	
DATE:	2025-12-27	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2025-12-27

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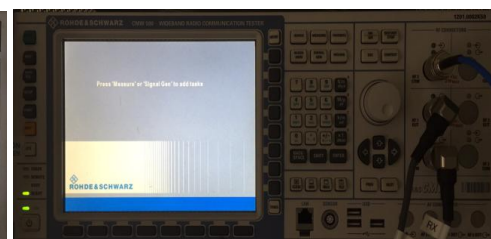
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
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1.Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	129.65*10.15 L195	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 1.92	
Polarization	Linear Polarization	
Gain	5.55	dBi
Efficiency	>70	%
Connector Type	RF1	
Operating temperature	-40℃~+85℃	
Storage Temp	-40℃~+85℃	

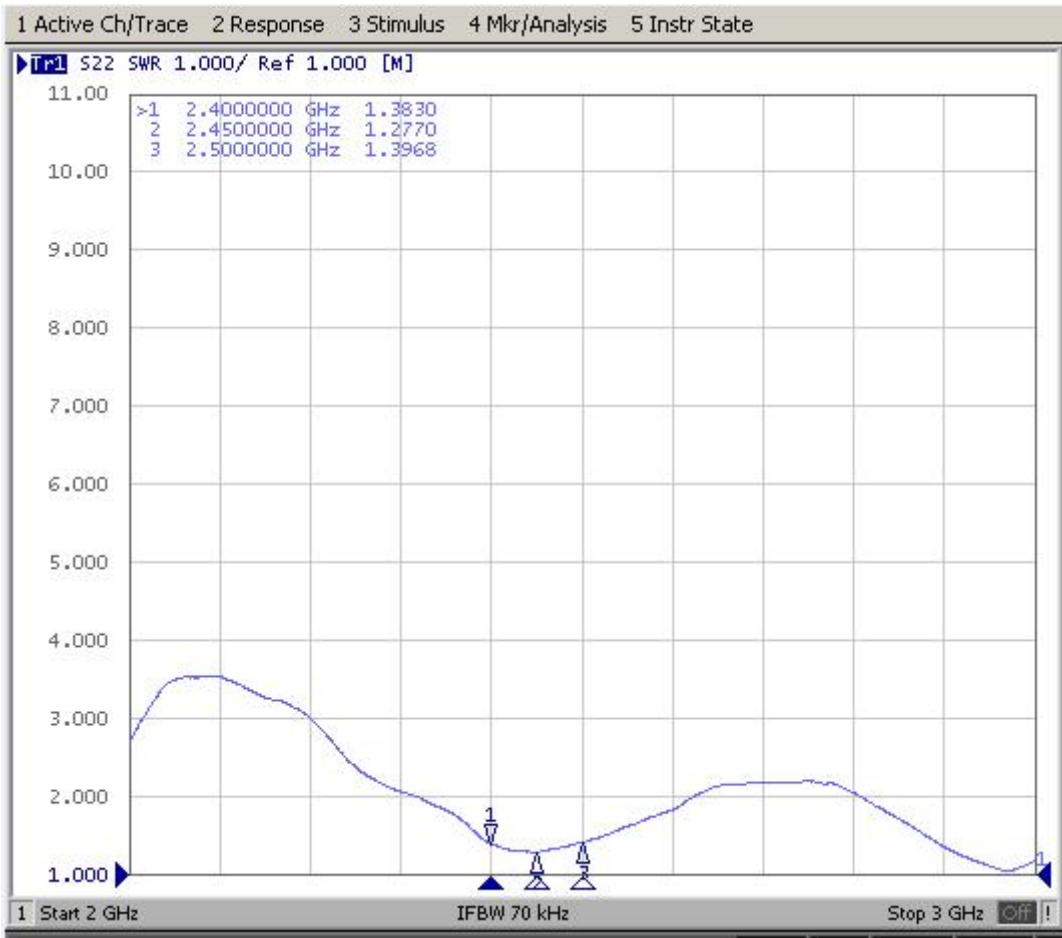
2.Test Items and Equipment

	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)



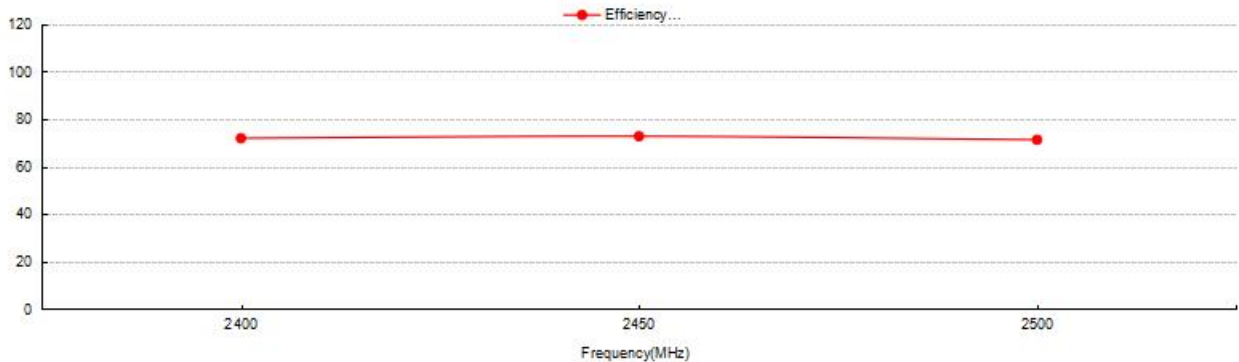
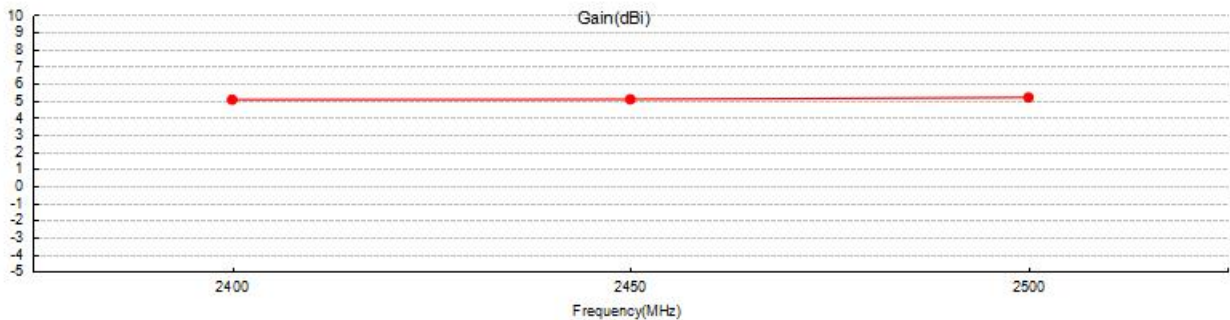
3.S Parameter

Frequency (MHz)	VSWR
2400	1.38
2450	1.27
2500	1.39



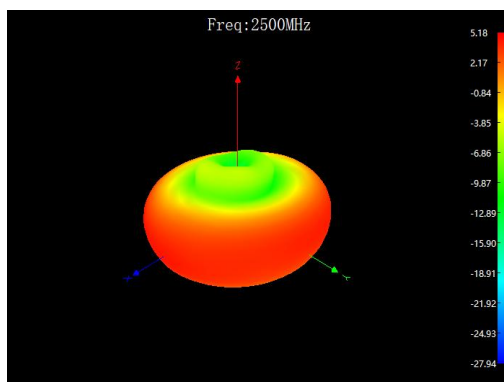
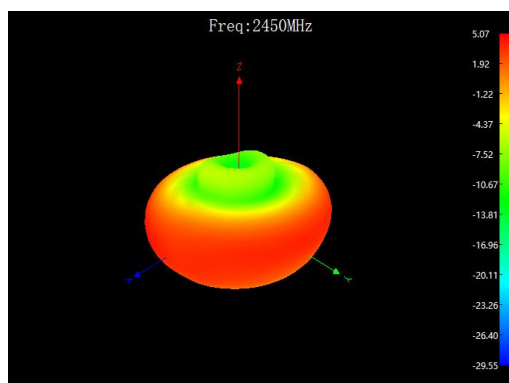
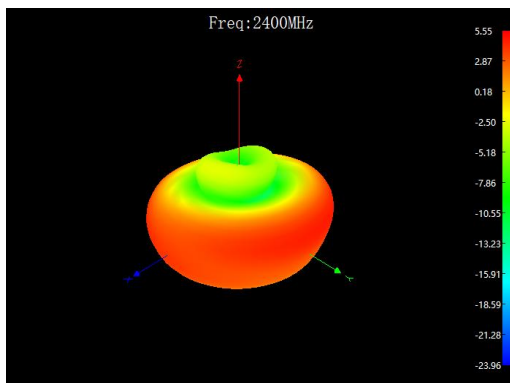
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	71.95	72.79	71.31
Gain(dBi)	5.55	5.07	5.18

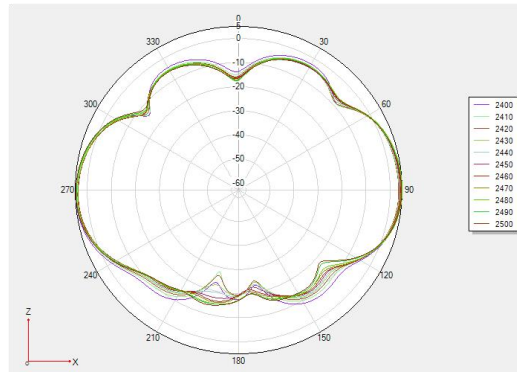


5. Radiation Pattern

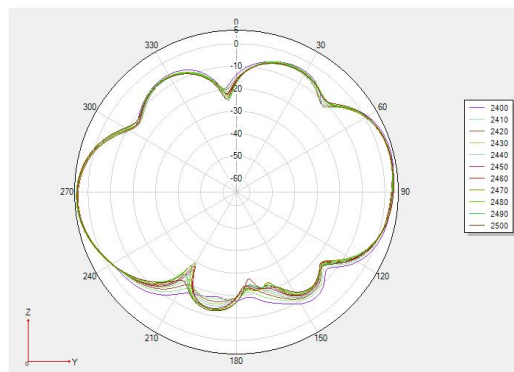
5-1 Antenna 3D Radiation Pattern



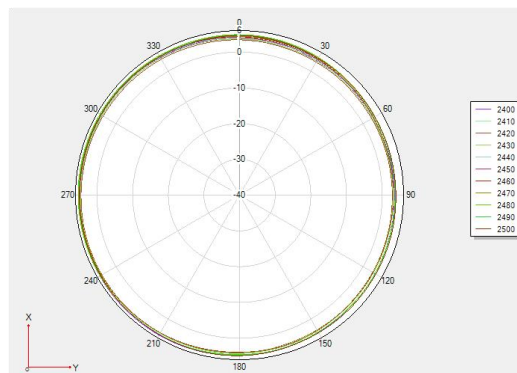
5-2 Antenna 2D Radiation Pattern



Phi 0 2D



Phi 90 2D



Theta 90 2D

6. Mechanical Specification:

