

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称 2.4G 2DB FPC 内置天线 L=90MM+端子

PRODUCT NAME:

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01C90F2D3a51A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2026-6-23	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2026-06-23

Content

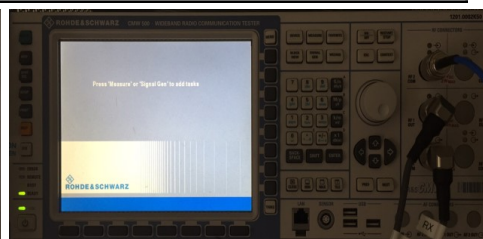
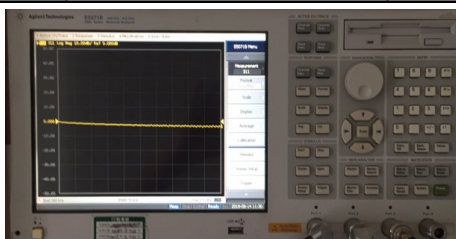
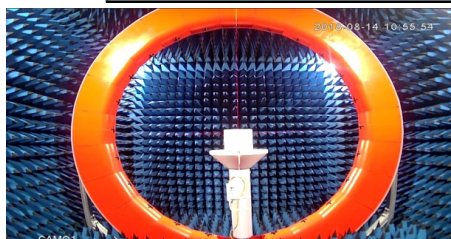
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification

1. Electrical Specification:

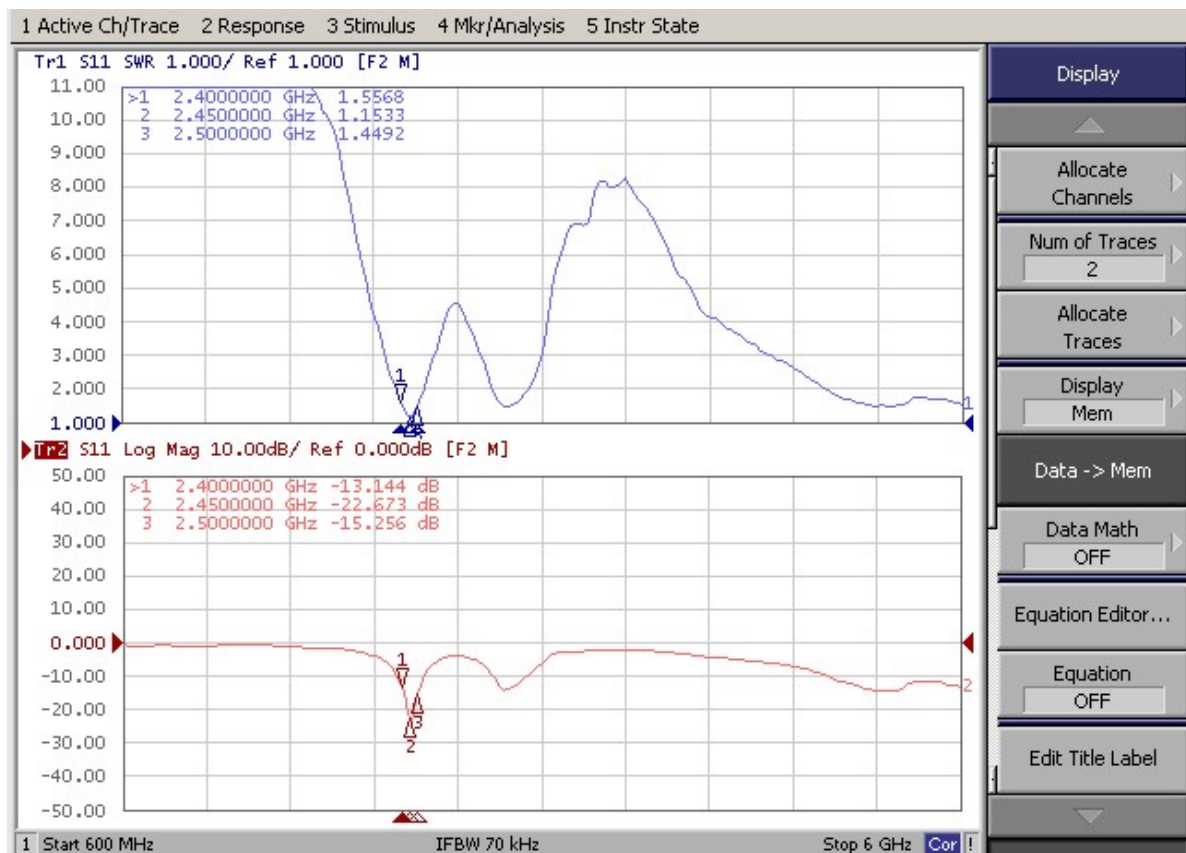
Characteristics	Specifications	Unit
Outline Dimensions	10*31.5 L=90	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 1.92	
Polarization	Linear Polarization	
Gain	2.5 ± 0.5	dBi
Efficiency	>50	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
Storage Temp	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	

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)



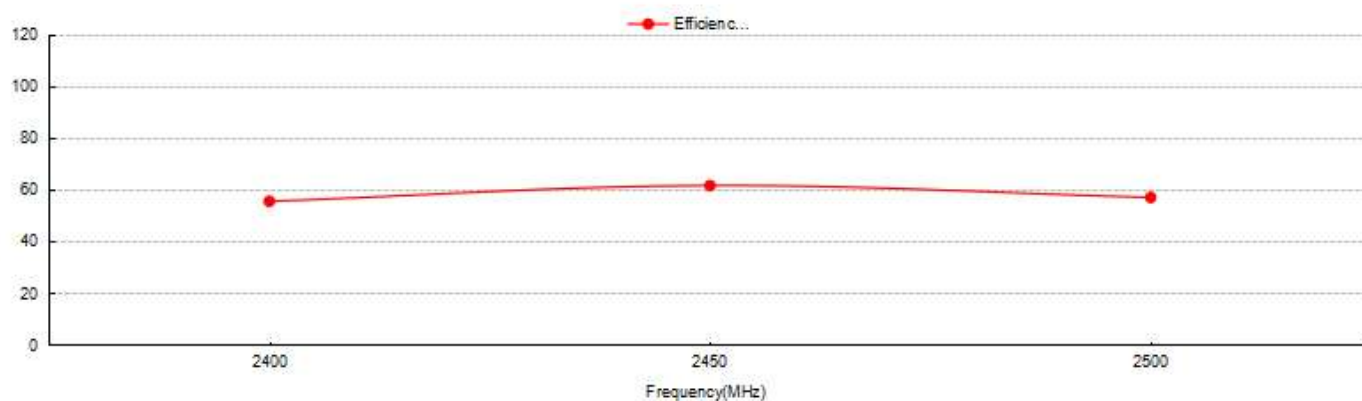
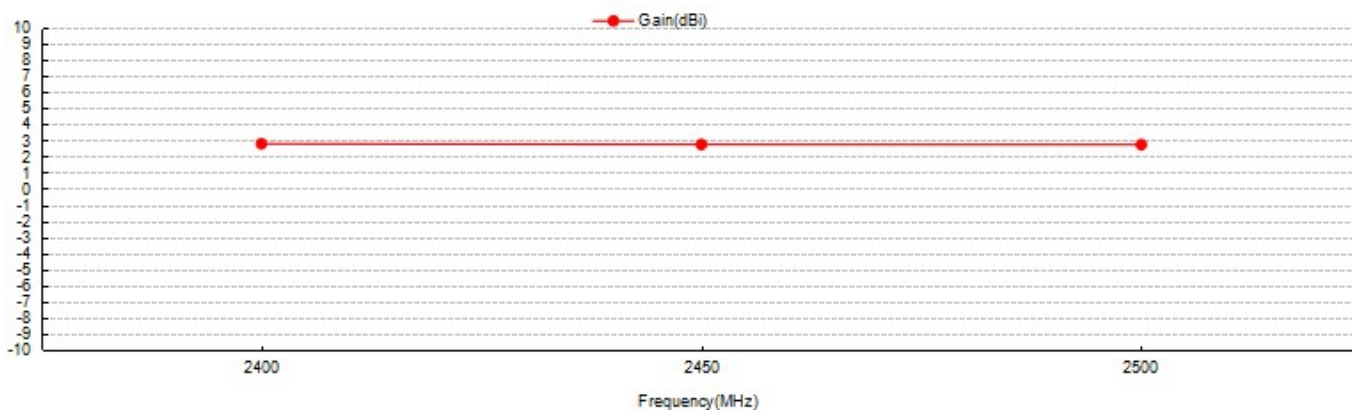
3. S Parameter



Frequency (MHz)	Return Loss (dB)	VSWR
2400	-13.14	1.55
2450	-22.67	1.15
2500	-15.25	1.44

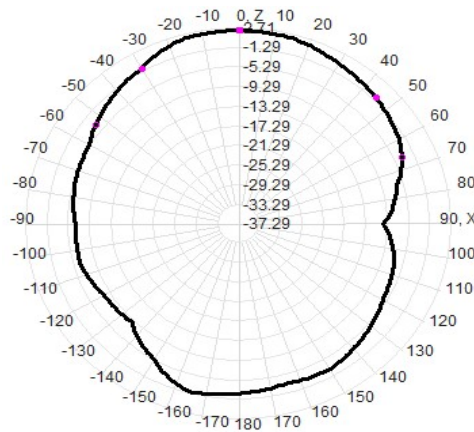
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	55.46	61.54	56.96
Gain(dBi)	2.71	2.66	2.64

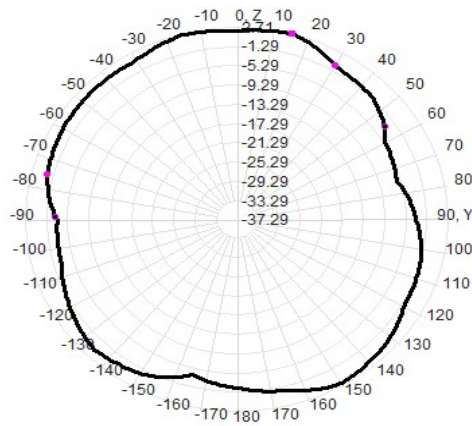


5-2 Antenna 2D Radiation Pattern

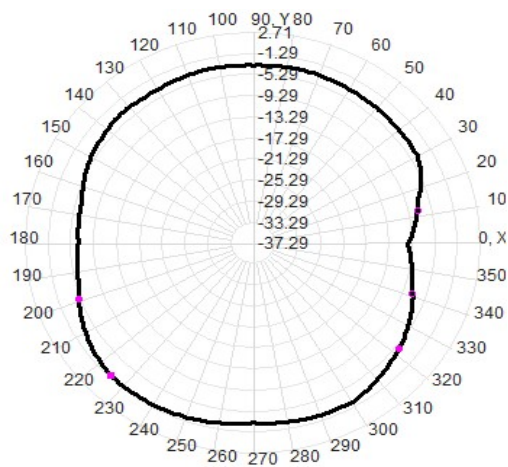
2400MHz



E1-XZ



E2-YZ



H-XY

6. Mechanical Specification

