

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称 2.4G FPC 内置天线 L=38mm+0.81 黑色线

PRODUCT NAME:2.4G FPC built-in antenna, L = 38mm + 0.81 mm (black wire)

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01C90F2D4401A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2025/04/22	



好天线 · 优比造

东莞市优比电子有限公司

Dongguan Youbi Electronics Co.,Ltd

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	22025-04-22

Content

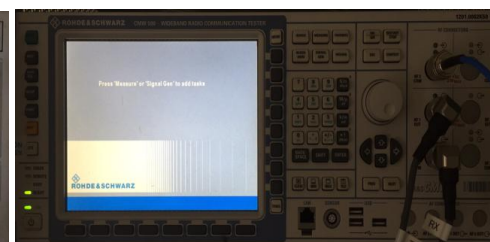
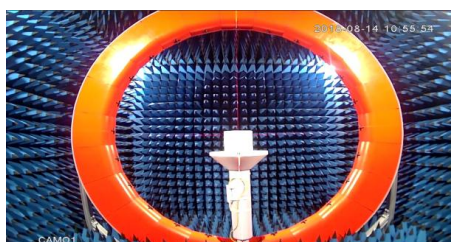
<i>Item</i>	<i>Description</i>
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1.Electrical Specification

Characteristics	Specifications	Unit
Outline Dimensions	25.7*20 L=38	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 1.92	
Polarization	Linear Polarization	
Gain	4 ± 1	dBi
Efficiency	≥ 30	%
Connector Type	0.81	
Operating temperature	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$	
Storage Temp	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$	

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)



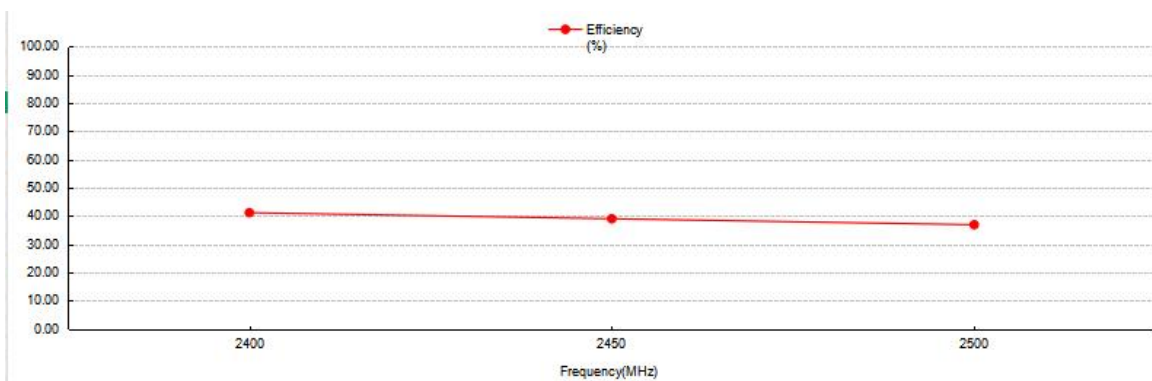
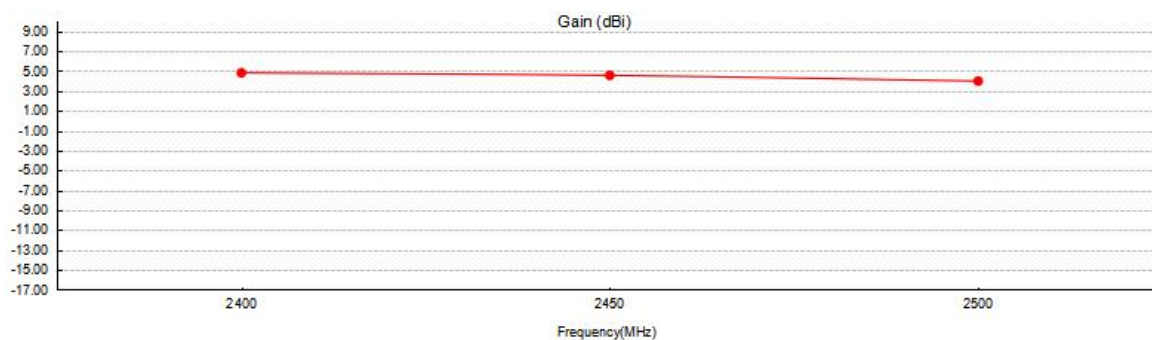
3. S Parameter



Frequency (MHz)	Return Loss (dB)	VSWR
2400	-12.23	1.72
2450	-17.72	1.33
2500	-14.24	1.53

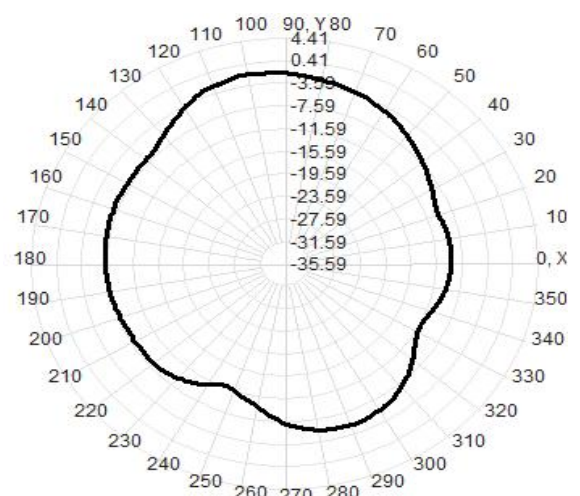
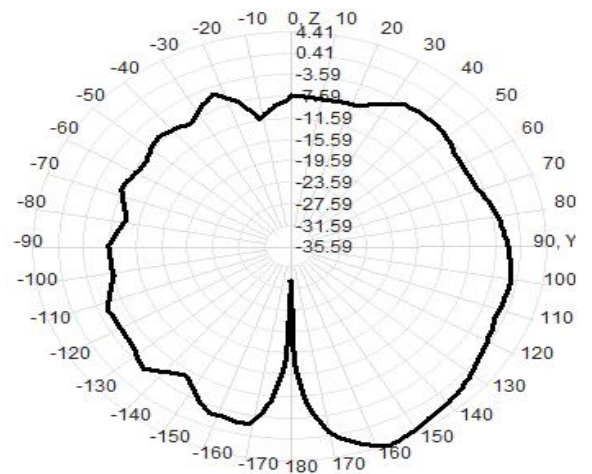
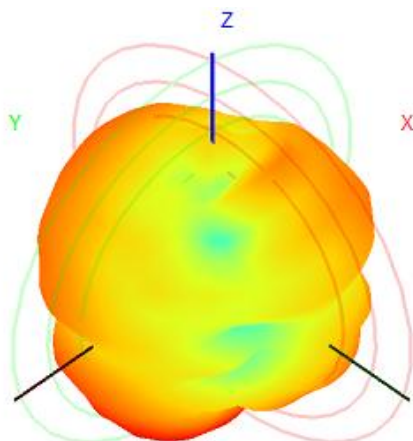
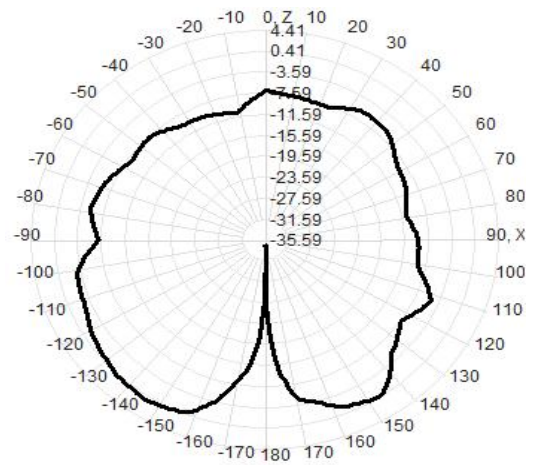
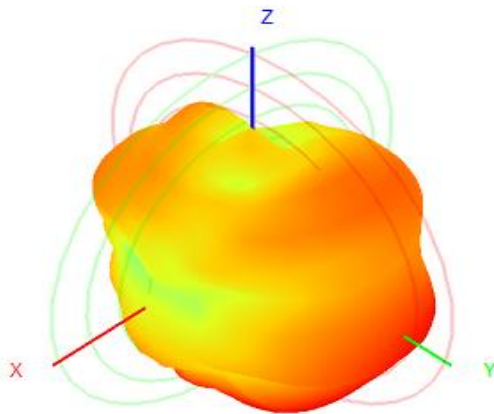
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	41.09	38.94	36.83
Gain (dBi)	4.81	4.55	3.98

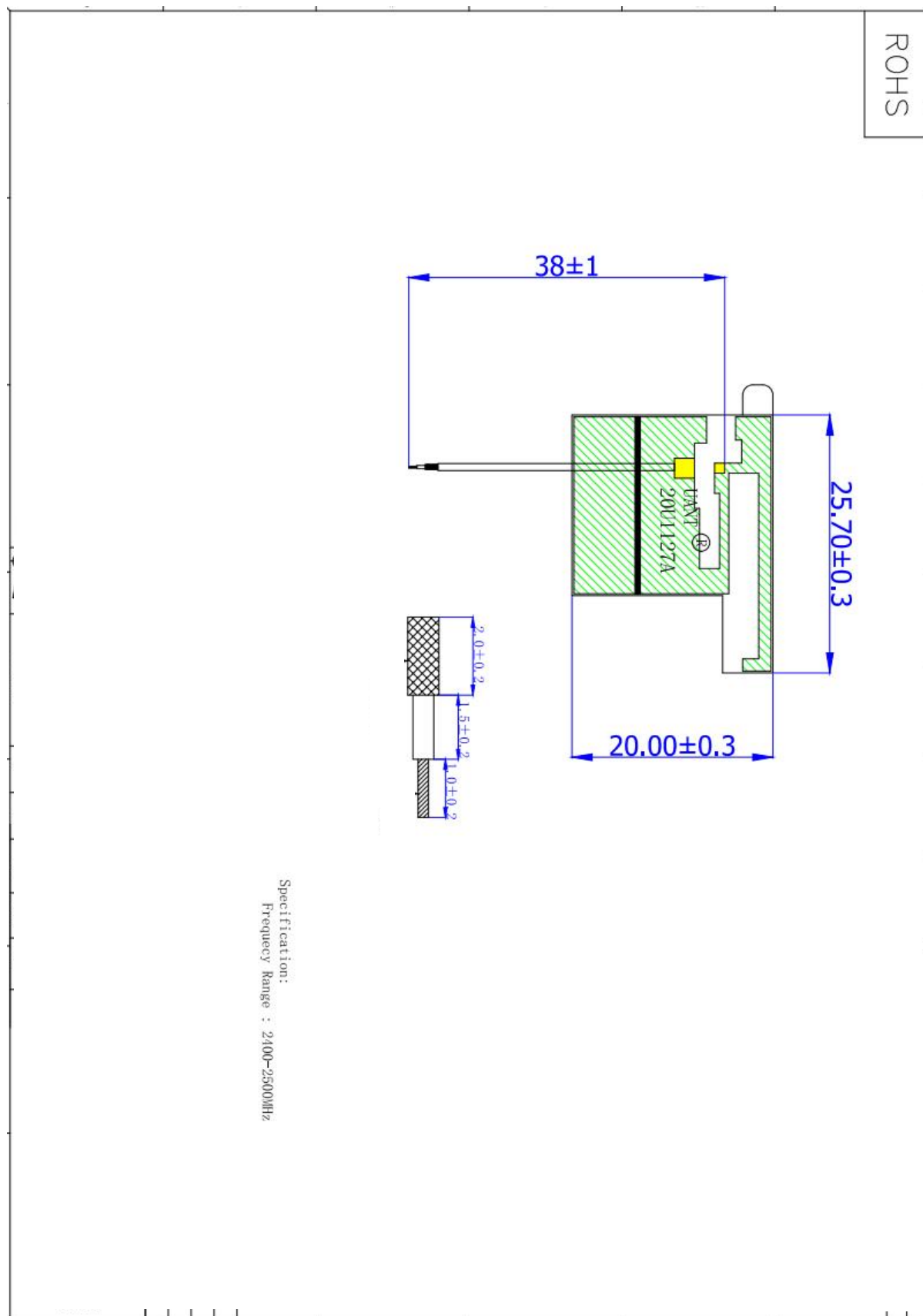


5. Radiation Pattern

5-1 Antenna 2D&3D Radiation Pattern



6. Mechanical Specification



7. Packaging Specifications

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