

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

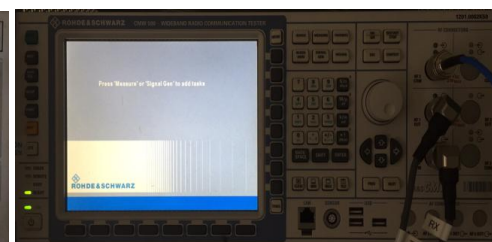
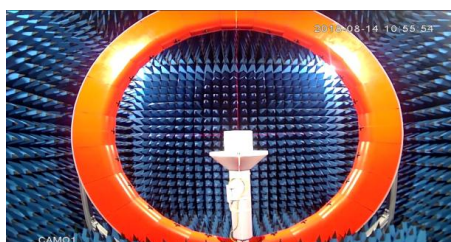
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification
7.-----	Packaging Specifications

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)



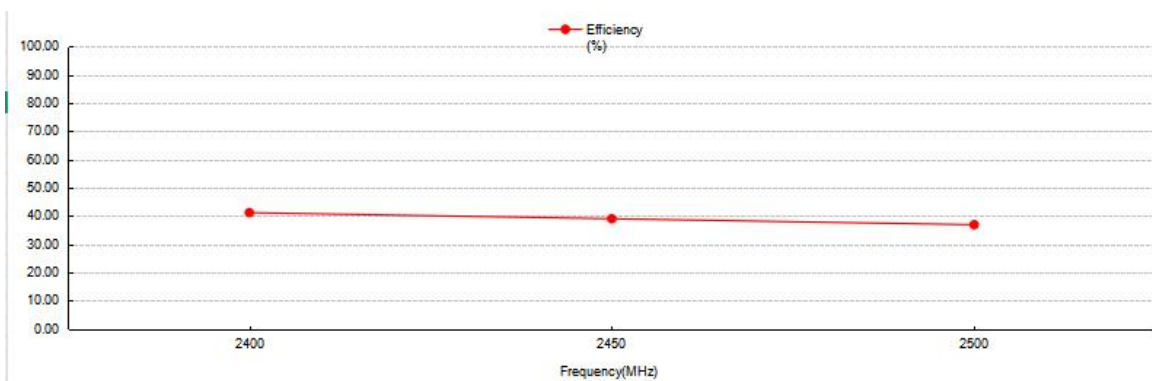
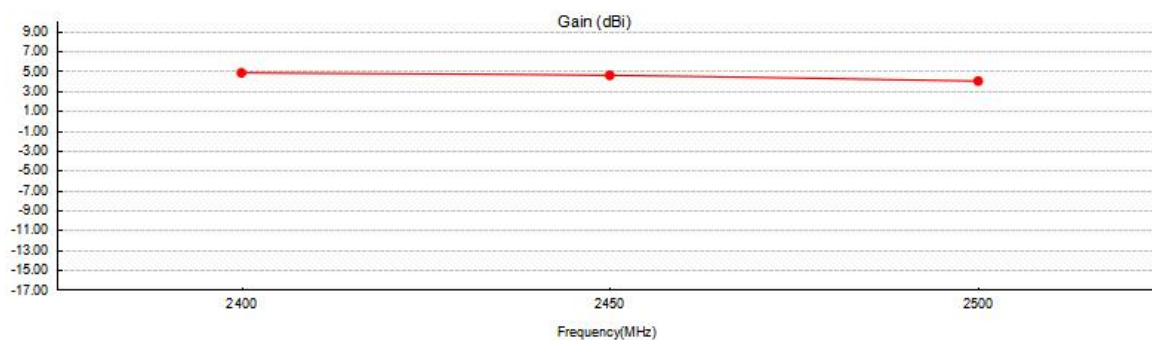
3. S Parameter



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

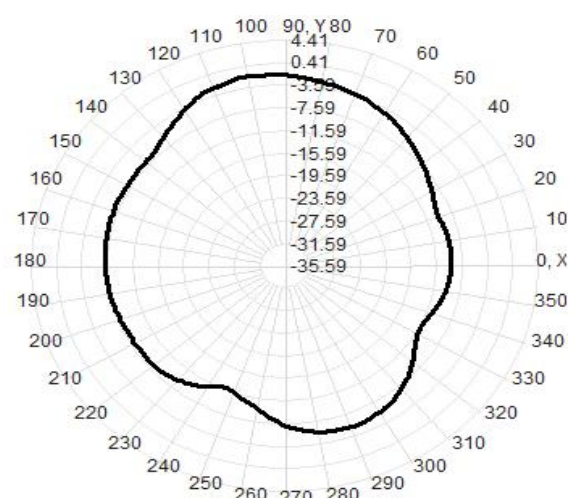
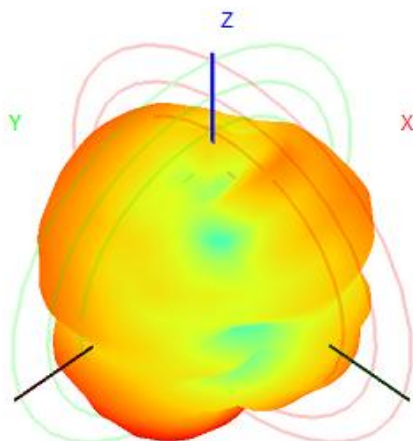
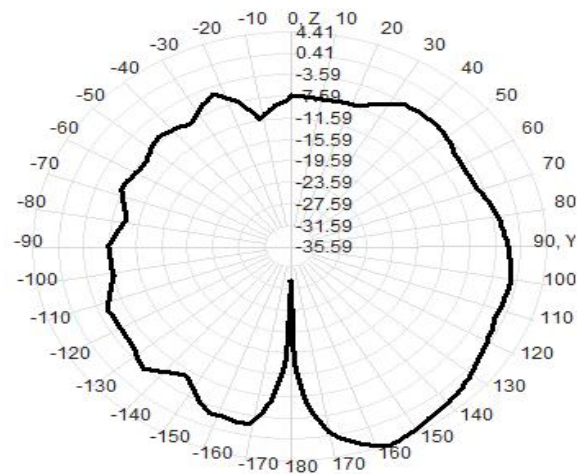
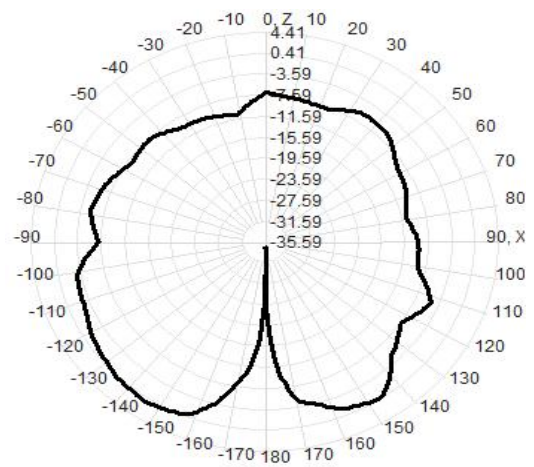
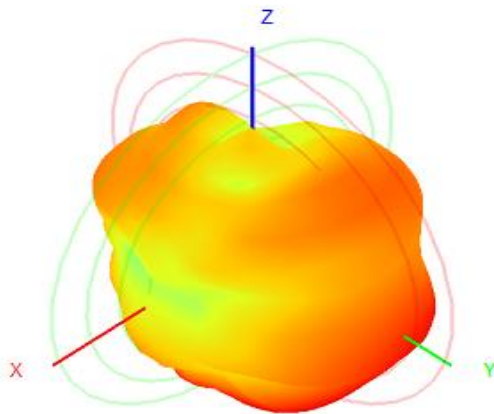
4. Efficiency and Gain

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

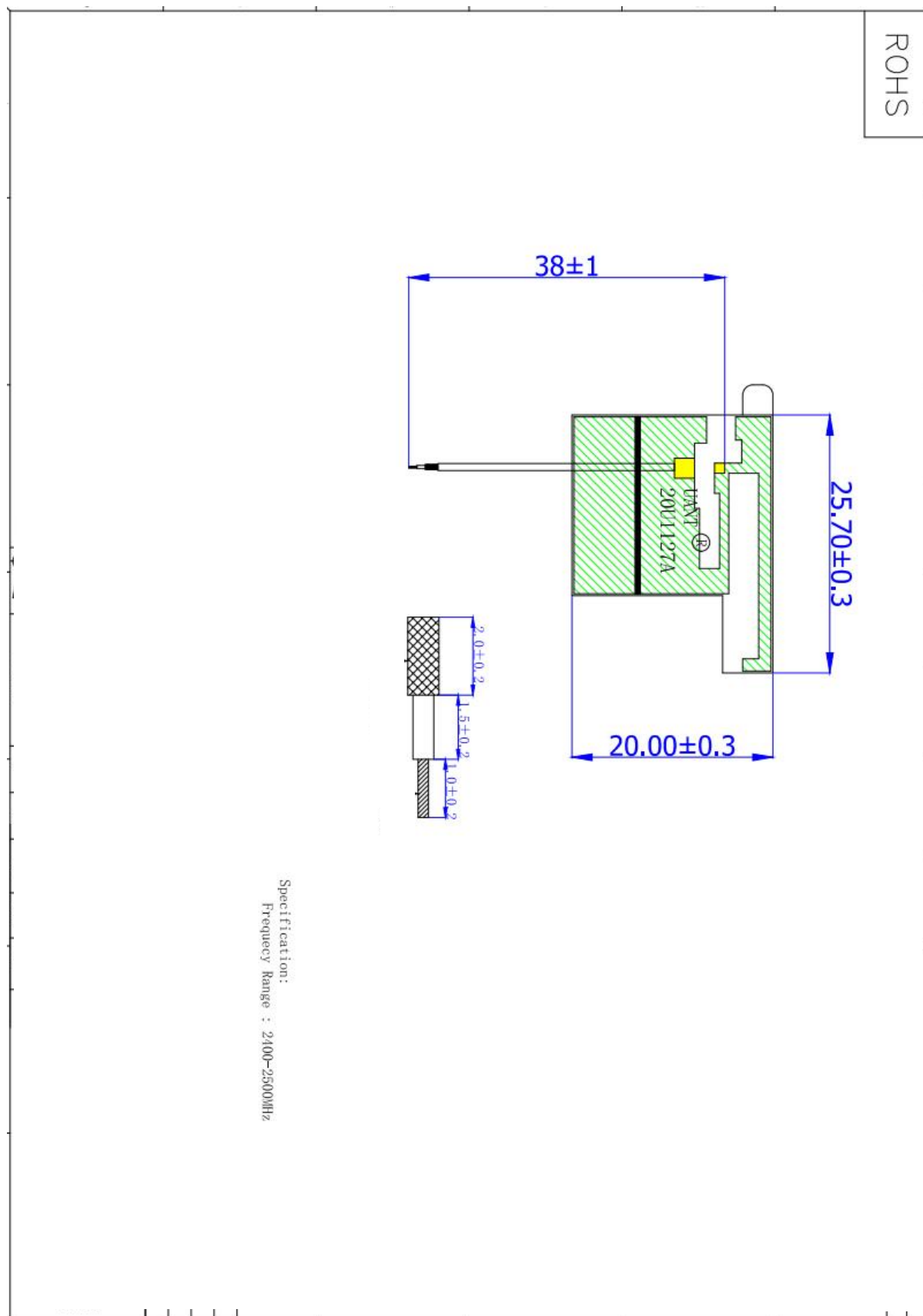


5. Radiation Pattern

5-1 Antenna 2D&3D Radiation Pattern



6. Mechanical Specification



7. Packaging Specifications

UANT®

好天线 · 优比造

Product packaging specifications

Single product

Inner bag packaging instructions:

1. Each bag contains 20 pieces of products.
2. The PE bag is sealed.
3. Each bag to be pasted with 1 pcs of inner bag label in the middle of the PE bag.
4. PE bag size: length 150mm 150mm thickness 0.05mm.

Inner bag packaging

Dongguan Yuhai Electronics Co., Ltd.			
Customer code:	Manufacturer code:	Order number:	Production date:
Product name:	Product name:	Product name:	Product name:
Product type:	Product type:	Product type:	Product type:
Product quantity:	Product quantity:	Product quantity:	Product quantity:
Product weight:	Product weight:	Product weight:	Product weight:
Product volume:	Product volume:	Product volume:	Product volume:
Product value:	Product value:	Product value:	Product value:
Product status:	Product status:	Product status:	Product status:
Product location:	Product location:	Product location:	Product location:
Product date:	Product date:	Product date:	Product date:
Product time:	Product time:	Product time:	Product time:
Product user:	Product user:	Product user:	Product user:
Product email:	Product email:	Product email:	Product email:
Product phone:	Product phone:	Product phone:	Product phone:
Product fax:	Product fax:	Product fax:	Product fax:
Product website:	Product website:	Product website:	Product website:
Product address:	Product address:	Product address:	Product address:
Product city:	Product city:	Product city:	Product city:
Product country:	Product country:	Product country:	Product country:
Product language:	Product language:	Product language:	Product language:
Product currency:	Product currency:	Product currency:	Product currency:
Product unit:	Product unit:	Product unit:	Product unit:
Product category:	Product category:	Product category:	Product category:
Product sub-category:	Product sub-category:	Product sub-category:	Product sub-category:
Product brand:	Product brand:	Product brand:	Product brand:
Product model:	Product model:	Product model:	Product model:
Product version:	Product version:	Product version:	Product version:
Product serial number:	Product serial number:	Product serial number:	Product serial number:
Product barcode:	Product barcode:	Product barcode:	Product barcode:
Product QR code:	Product QR code:	Product QR code:	Product QR code:
Product logo:	Product logo:	Product logo:	Product logo:
Product watermark:	Product watermark:	Product watermark:	Product watermark:
Product background:	Product background:	Product background:	Product background:
Product color:	Product color:	Product color:	Product color:
Product font:	Product font:	Product font:	Product font:
Product style:	Product style:	Product style:	Product style:
Product theme:	Product theme:	Product theme:	Product theme:
Product layout:	Product layout:	Product layout:	Product layout:
Product template:	Product template:	Product template:	Product template:
Product design:	Product design:	Product design:	Product design:
Product development:	Product development:	Product development:	Product development:
Product testing:	Product testing:	Product testing:	Product testing:
Product production:	Product production:	Product production:	Product production:
Product distribution:	Product distribution:	Product distribution:	Product distribution:
Product sales:	Product sales:	Product sales:	Product sales:
Product service:	Product service:	Product service:	Product service:
Product support:	Product support:	Product support:	Product support:
Product training:	Product training:	Product training:	Product training:
Product documentation:	Product documentation:	Product documentation:	Product documentation:
Product marketing:	Product marketing:	Product marketing:	Product marketing:
Product research:	Product research:	Product research:	Product research:
Product innovation:	Product innovation:	Product innovation:	Product innovation:
Product strategy:	Product strategy:	Product strategy:	Product strategy:
Product vision:	Product vision:	Product vision:	Product vision:
Product mission:	Product mission:	Product mission:	Product mission:
Product values:	Product values:	Product values:	Product values:
Product culture:	Product culture:	Product culture:	Product culture:
Product history:	Product history:	Product history:	Product history:
Product future:	Product future:	Product future:	Product future:
Product impact:	Product impact:	Product impact:	Product impact:
Product legacy:	Product legacy:	Product legacy:	Product legacy:
Product reputation:	Product reputation:	Product reputation:	Product reputation:
Product credibility:	Product credibility:	Product credibility:	Product credibility:
Product trustworthiness:	Product trustworthiness:	Product trustworthiness:	Product trustworthiness:
Product integrity:	Product integrity:	Product integrity:	Product integrity:
Product transparency:	Product transparency:	Product transparency:	Product transparency:
Product accountability:	Product accountability:	Product accountability:	Product accountability:
Product responsibility:	Product responsibility:	Product responsibility:	Product responsibility:
Product ethics:	Product ethics:	Product ethics:	Product ethics:
Product governance:	Product governance:	Product governance:	Product governance:
Product compliance:	Product compliance:	Product compliance:	Product compliance:
Product risk management:	Product risk management:	Product risk management:	Product risk management:
Product crisis management:	Product crisis management:	Product crisis management:	Product crisis management:
Product business continuity:	Product business continuity:	Product business continuity:	Product business continuity:
Product disaster recovery:	Product disaster recovery:	Product disaster recovery:	Product disaster recovery:
Product information security:	Product information security:	Product information security:	Product information security:
Product data protection:	Product data protection:	Product data protection:	Product data protection:
Product privacy policy:	Product privacy policy:	Product privacy policy:	Product privacy policy:
Product terms of service:	Product terms of service:	Product terms of service:	Product terms of service:
Product disclaimer:	Product disclaimer:	Product disclaimer:	Product disclaimer:
Product warranty:	Product warranty:	Product warranty:	Product warranty:
Product return policy:	Product return policy:	Product return policy:	Product return policy:
Product refund policy:	Product refund policy:	Product refund policy:	Product refund policy:
Product exchange policy:	Product exchange policy:	Product exchange policy:	Product exchange policy:
Product replacement policy:	Product replacement policy:	Product replacement policy:	Product replacement policy:
Product repair policy:	Product repair policy:	Product repair policy:	Product repair policy:
Product upgrade policy:	Product upgrade policy:	Product upgrade policy:	Product upgrade policy:
Product downgrade policy:	Product downgrade policy:	Product downgrade policy:	Product downgrade policy:
Product cancellation policy:	Product cancellation policy:	Product cancellation policy:	Product cancellation policy:
Product termination policy:	Product termination policy:	Product termination policy:	Product termination policy:
Product expiration policy:	Product expiration policy:	Product expiration policy:	Product expiration policy:
Product renewal policy:	Product renewal policy:	Product renewal policy:	Product renewal policy:
Product subscription policy:	Product subscription policy:	Product subscription policy:	Product subscription policy:
Product trial policy:	Product trial policy:	Product trial policy:	Product trial policy:
Product demo policy:	Product demo policy:	Product demo policy:	Product demo policy:
Product beta policy:	Product beta policy:	Product beta policy:	Product beta policy:
Product alpha policy:	Product alpha policy:	Product alpha policy:	Product alpha policy:
Product pre-release policy:	Product pre-release policy:	Product pre-release policy:	Product pre-release policy:
Product launch policy:	Product launch policy:	Product launch policy:	Product launch policy:
Product rollout policy:	Product rollout policy:	Product rollout policy:	Product rollout policy:
Product scaling policy:	Product scaling policy:</		