

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Huang	2025-2-26

Content

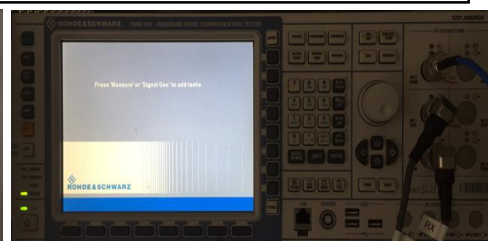
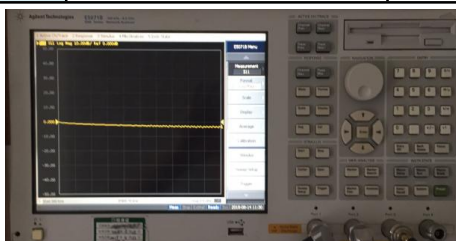
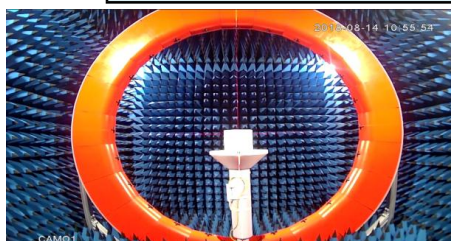
<i>Item</i>	<i>Description</i>
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3.-----	S Parameter
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6.-----	Antenna installation diagram
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1. Electrical Specification

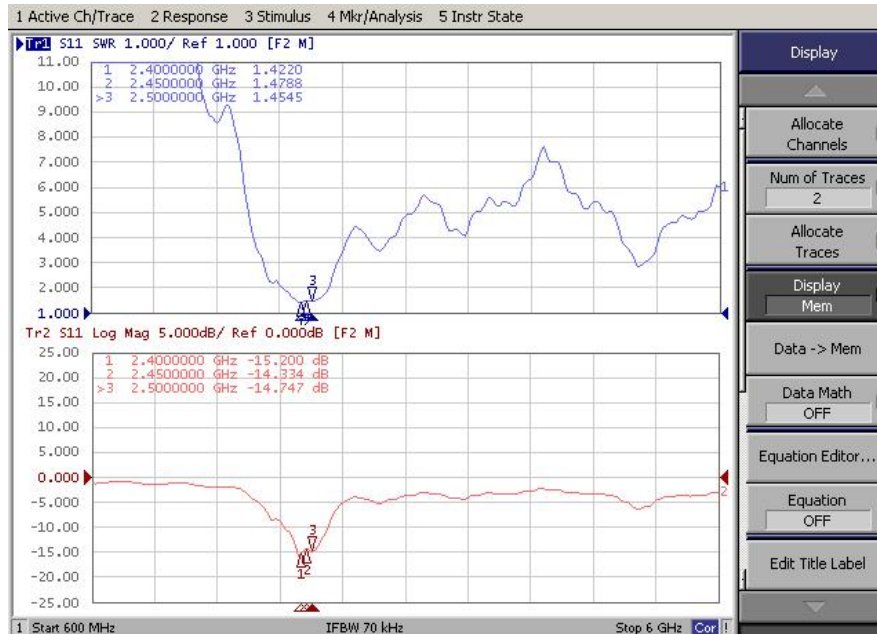
Characteristics	Specifications	Unit
Outline Dimensions	28x27.4,L60	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	< 2	
Polarization	Linear Polarization	
Gain	4.36	dBi
Efficiency	>50	%
Connector Type	RF 1	
Operating temperature	-25℃~+85℃	
Storage Temp	-25℃~+50℃	

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

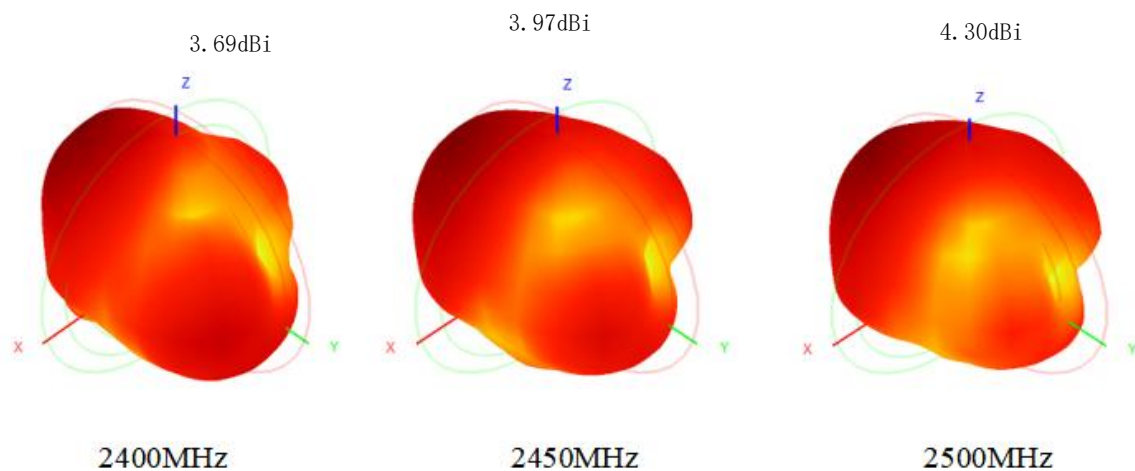


4. Efficiency and Gain

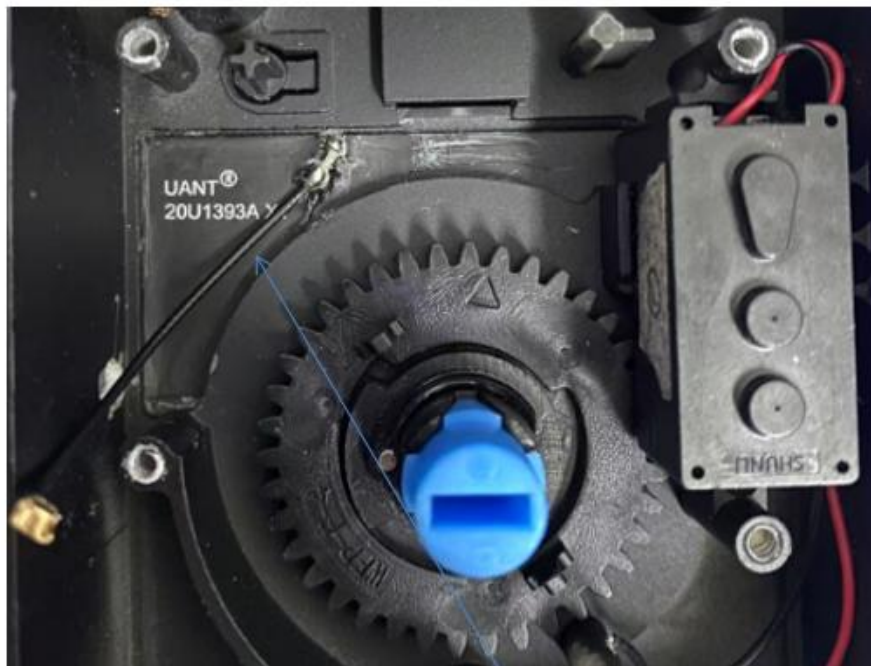
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	56.72	3.69
2410	57.30	3.71
2420	59.78	3.86
2430	59.83	3.82
2440	62.31	4.04
2450	57.95	3.97
2460	56.89	4.17
2470	54.43	4.16
2480	54.81	4.29
2490	56.48	4.36
2500	58.24	4.30

5. Radiation Pattern

Antenna 3D Radiation Pattern

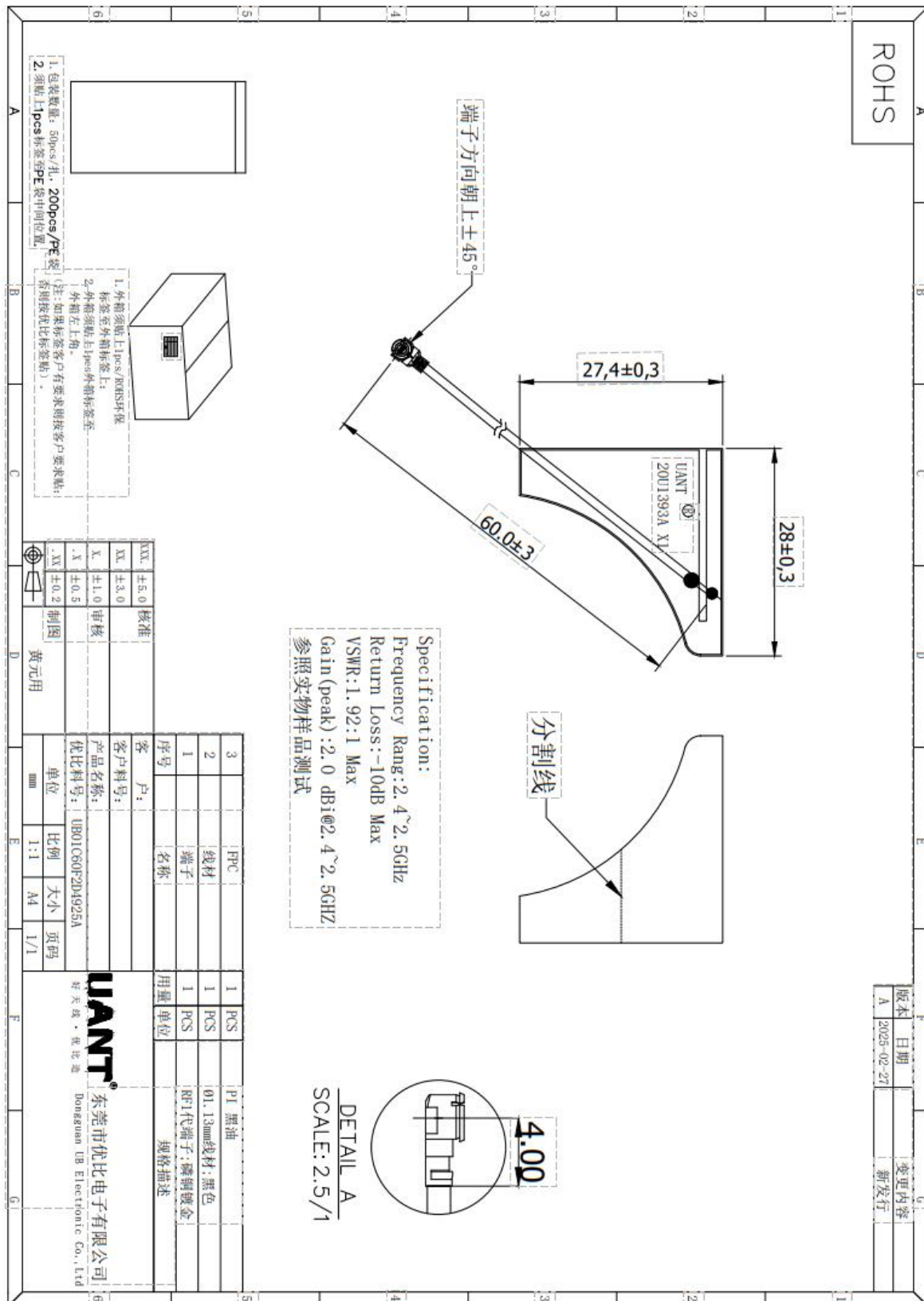


6. Antenna installation diagram

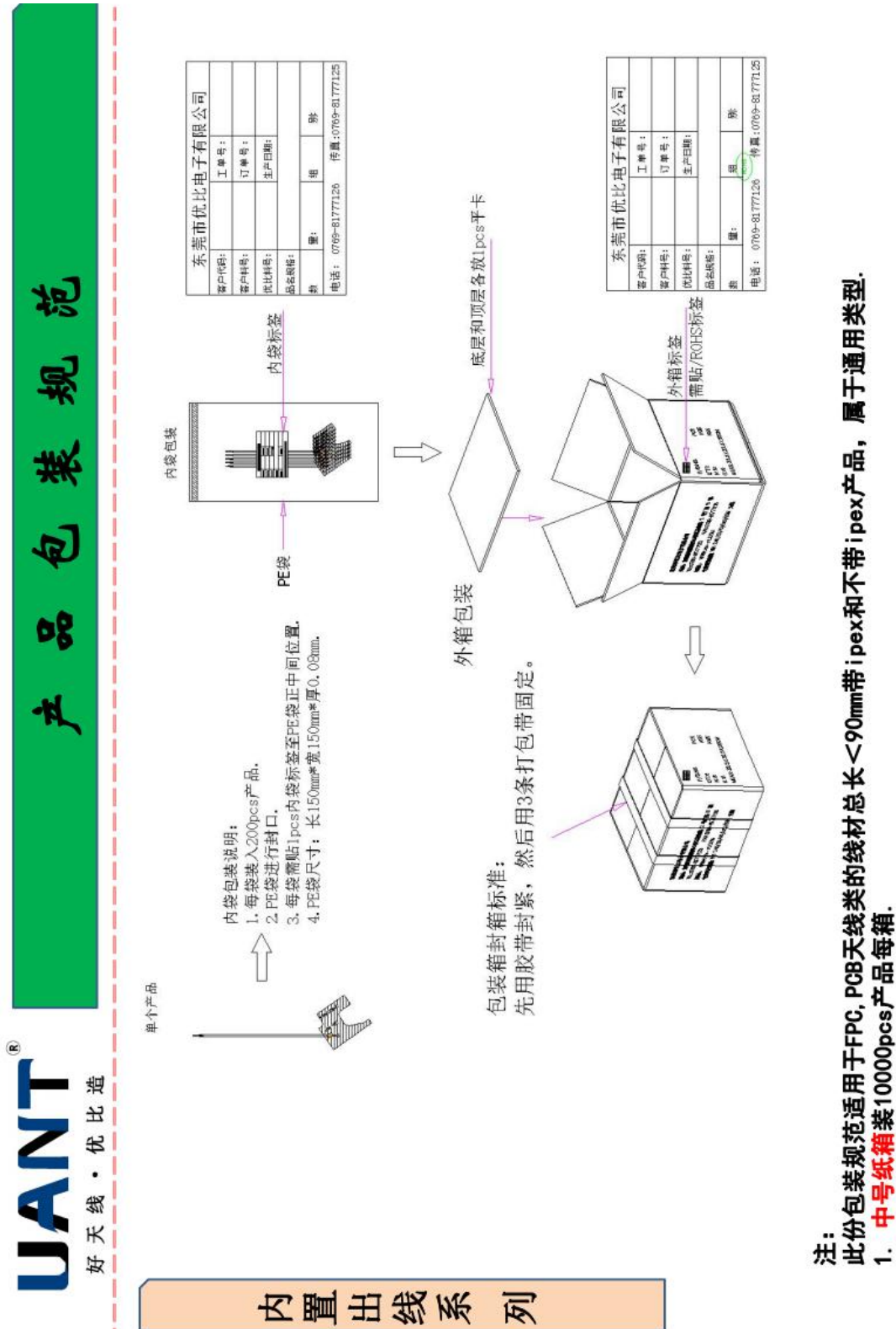


Antenna

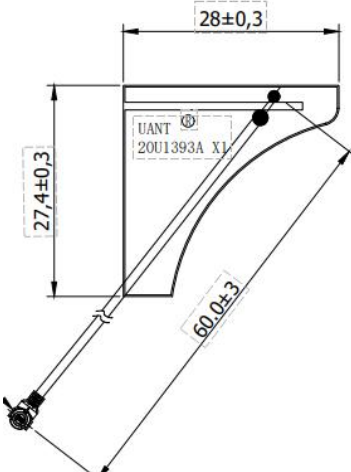
7. Mechanical Specification



8. Packaging



9. Full Size TesReport

全 尺 寸 检 验 报 告								
客户名称		凯迪仕		图纸编号		A1		
项目名称		内置天线		数据单位		mm		
零件码/料号		UUB01C60F2D4925A		检验日期		2025. 2. 26		
								
序号	尺寸要求	测量工具	样品 1	样品 2	样品 3	样品 4	样品 5	判定
1	60±2	钢尺	60. 0	60. 1	60. 0	60. 1	60. 1	OK
2	27.4±0.3	卡尺	27. 42	27. 40	27. 41	27. 41	27. 40	OK
3	28±0.3	卡尺	28. 1	28. 0	28. 0	28. 1	28. 1	OK
核 准:黄土放			审核: /			检验员:卢泳薪		