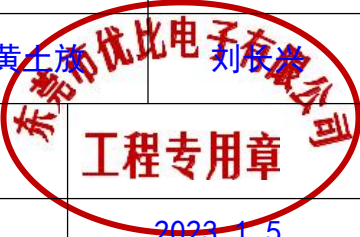


承 认 书

品 牌（供方填写）： UANT

承 认 签 章					
供 应 商 承 认（供方填写中文名）			安 联 锐 视 公 司 承 认		
工 程 师	审 核	批 准	工 程 师	审 核	批 准
黄土放	黄土放	刘长庚			
盖章签署			盖章签署		
日 期			日 期		
批 示： ☐ 接受 ☐ 有条件接受					
存储条件下 对应的存储 时间	包装方式	PE 袋包装	存储温度范围	-20℃~+85℃	存储失效辨别
	存储相对湿度范围	30%~70%	存储时间（月）	12	产品表面出现 氧化现象
备注（安联填写）：					

电子邮箱: ub16@ub-rf.com

提供以下资料：

1:提供图纸

2：提供包装图

3：提供相关测试报告

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME: 珠海安联锐视科技股份有限公司

产 品 名 称

PRODUCT NAME: 900-930MHz PCB 内置天线 L=105mm+端子

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01C105P3D2599A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:	Changxing.Liu	
DATE:	2023/1/3	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Eddy	2023-1-3

Content

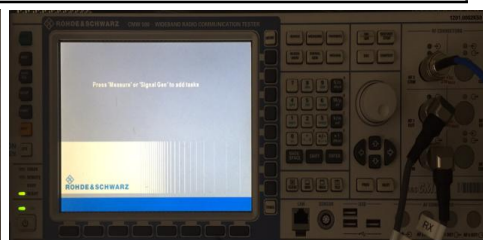
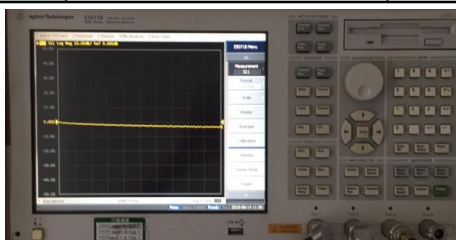
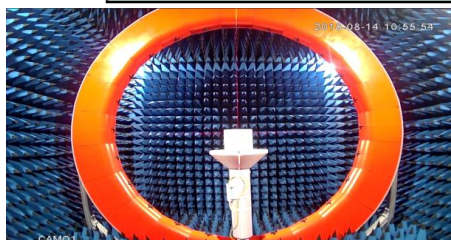
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Active test data
7.-----	Antenna installation diagram
8.-----	Mechanical Specification

1. Electrical Specification

Characteristics	Specifications	Unit
Outline Dimensions	16x135,L105	mm
Frequency	900-930	MHz
Impedance	50	Ω
VSWR	≤ 2.0	
Polarization	Linear Polarization	
Gain	6.0 $\pm$ 0.5	dBi
Efficiency	> 70	%
Connector Type	MHF-1-Plug	
Operating temperature	-20 $^{\circ}$ C~+85 $^{\circ}$ C	
Storage Temp	-20 $^{\circ}$ C~+50 $^{\circ}$ C	

2. Test Items and Equipment

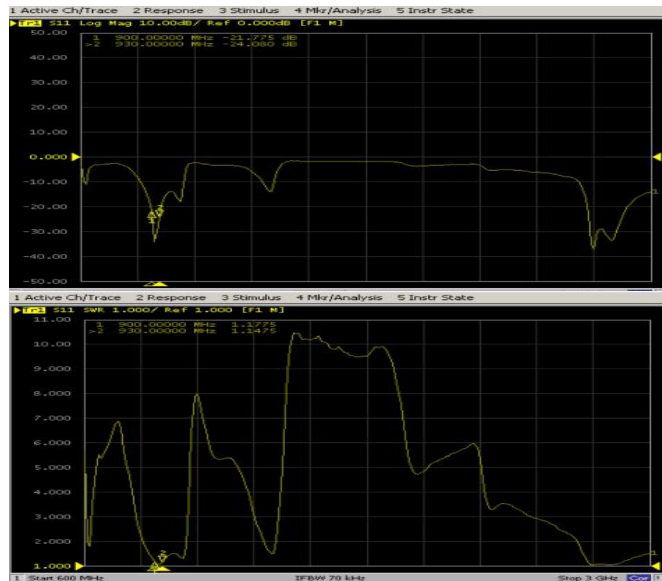
	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)



3. S Parameter

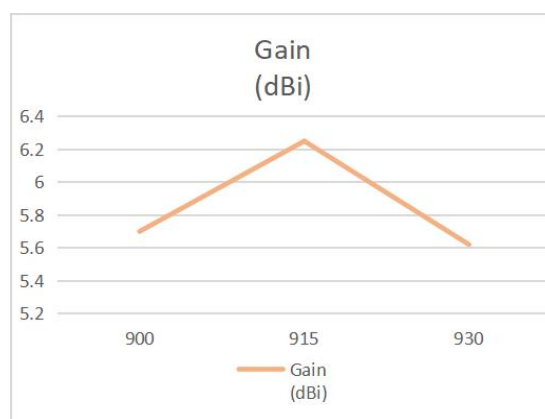
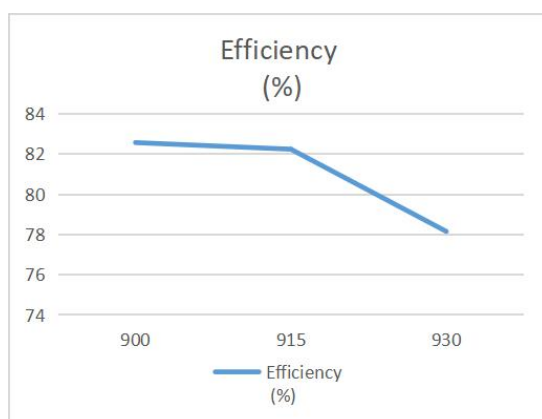
Frequency (MHz)	Return Loss (dB)	VSWR
900	-21.77	1.17
930	-24.08	1.14

* Voltage Standing Wave Ratio(VSWR)
Return Loss(RL)
 $RL = 20 * \log_{10}[(VSWR + 1) / (VSWR - 1)]$



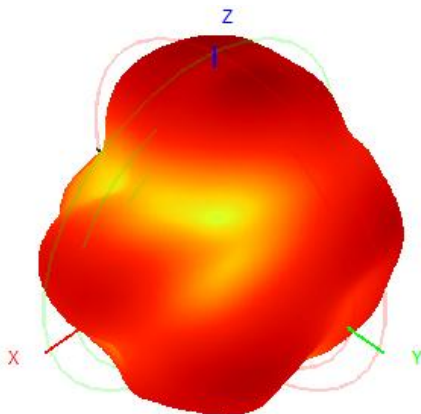
4. Efficiency and Gain

Frequency (MHz)	900	915	930
Efficiency (%)	82.57	82.24	78.15
Gain (dBi)	5.7	6.25	5.62

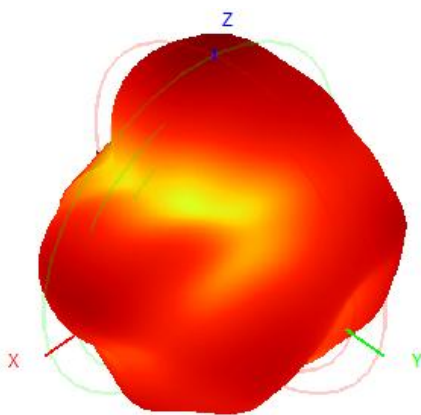


5. Radiation Pattern

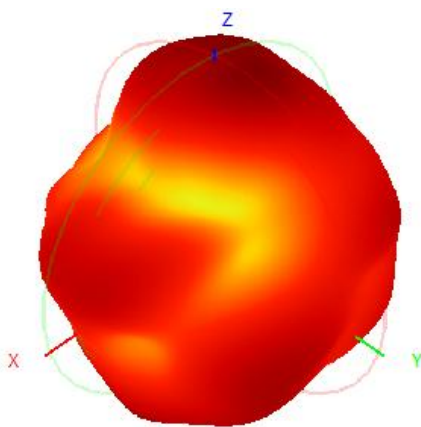
5-1 Antenna 3D Radiation Pattern



900MHz

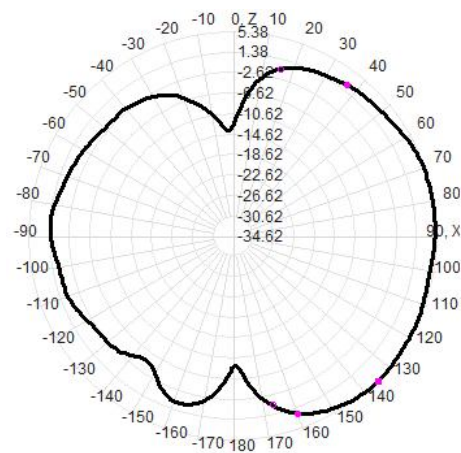


915MHz

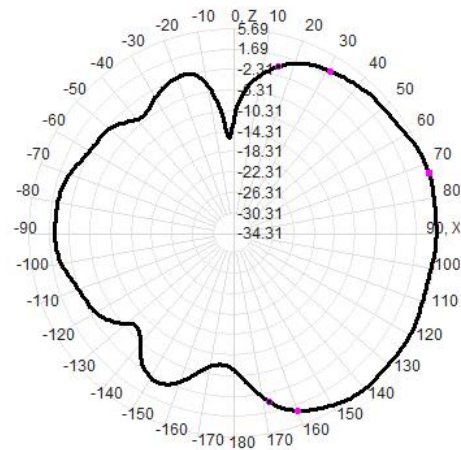


930MHz

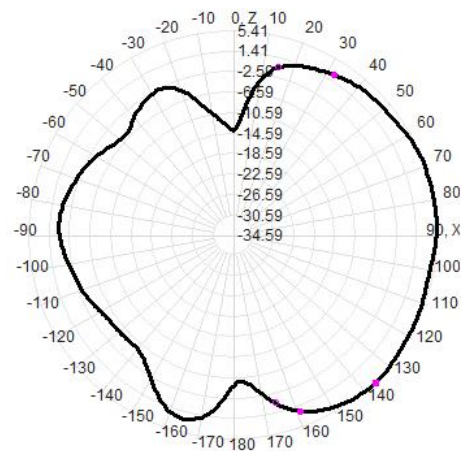
5-2 Antenna 2D Radiation Pattern



900MHz

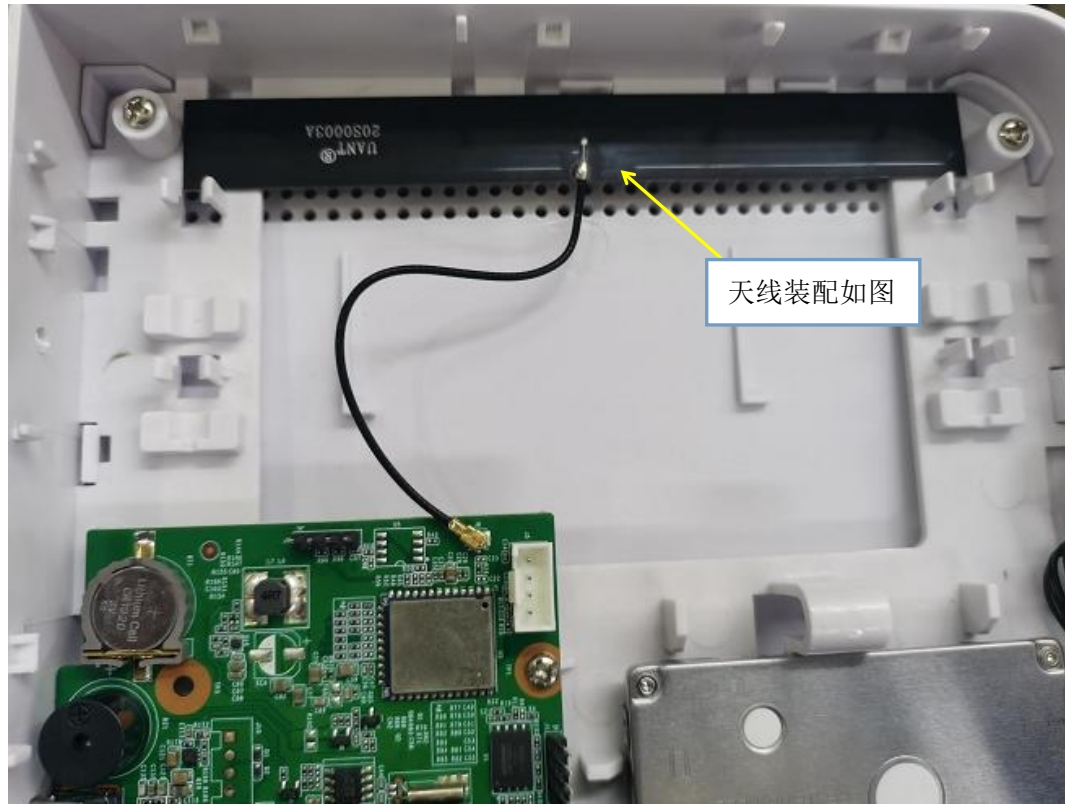


915MHz



930MHz

6. Antenna installation diagram



7. Mechanical Specification

