承　认　书

APPROVAL　SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT　NAME: Antenna_White WiFi Halow Antenna_2dBi_Omnidirectional_Impedance 50Ω_SMA Female Connector with Internal Thread_915MHz_NA_No Feeder_Total Length 200mm_Thickened Copper Tube

客 户 料 号

CUSTOMER　P/N: 1015020044

优比电子料号

Youbi　P/N: UB02S186W3D1279A　REV: B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Lina	
APPROVED BY:	Changxing.Liu	
DATE:	2024/7/16	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2024-5-22
B	Extra plug	Sam	2024-7-16

Content

ltem ***Description***

1.----------Electrical Specification

2.----------Test Items and Equipment

3.----------S Parameter

4.----------Efficiency and Gain

5.----------Radiation Pattern

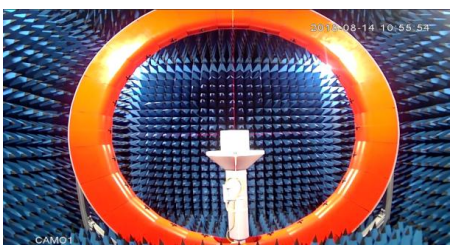
6.----------Mechanical Specification

1.Electrical Specification:

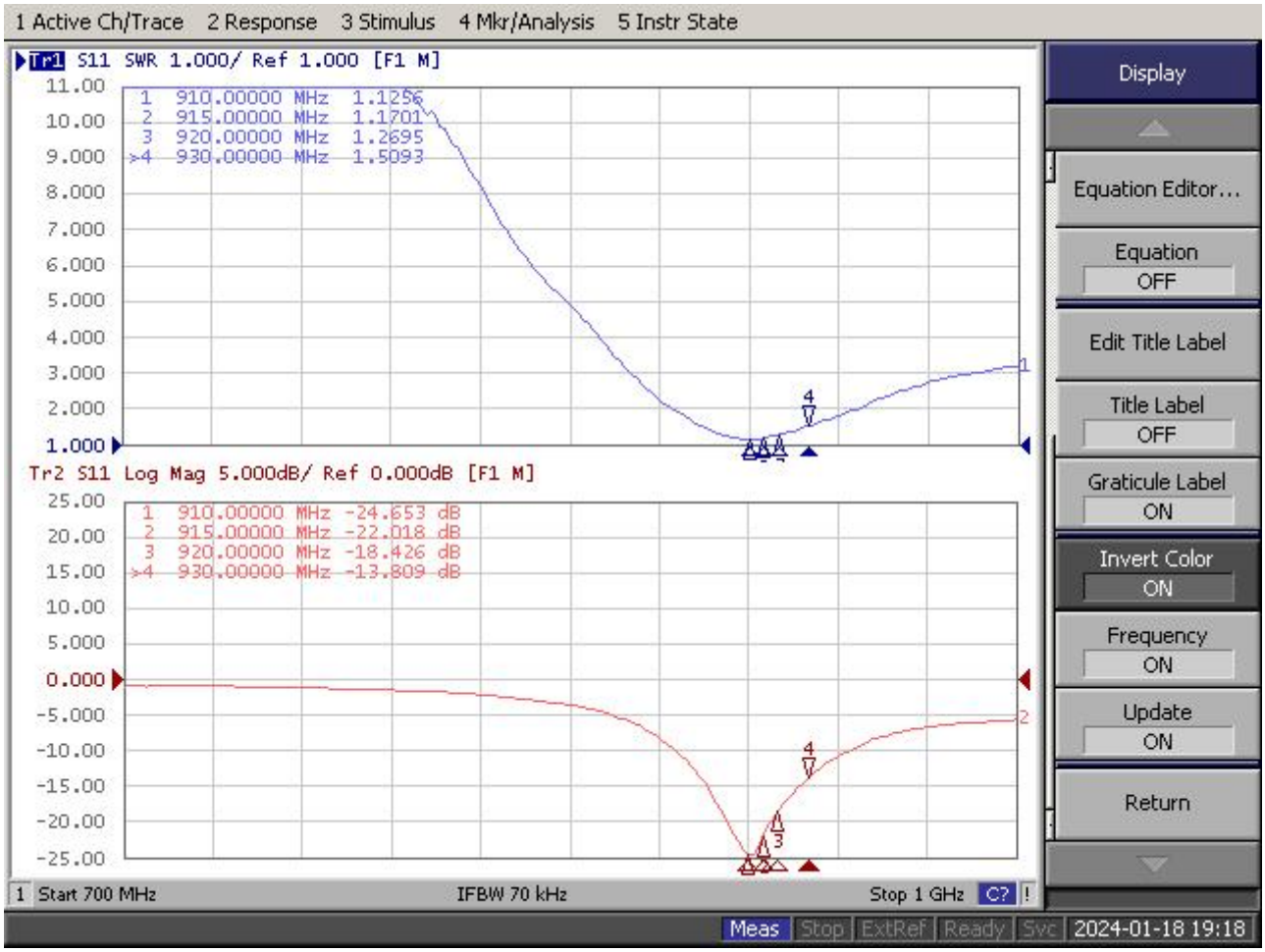
Characteristics	Specifications	Unit
Outline Dimensions	200 x Ø 13mm	mm
Frequency	900-930	MHz
Impedance	50	Ω
VSWR	≤ 2.0	
Polarization	Linear Polarization	
Gain	2±0.5	dBi
Efficiency	＞ 70	%
Connector Type	SMA	
Operating temperature	-40℃~+85℃	
Storage Temp	10℃~40℃	
Apparent salt spray	48/H	H

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)

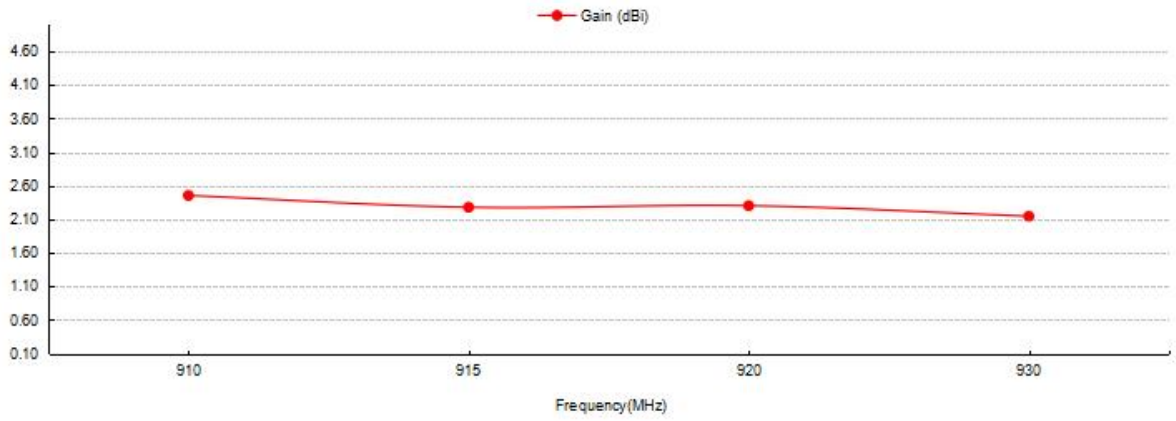


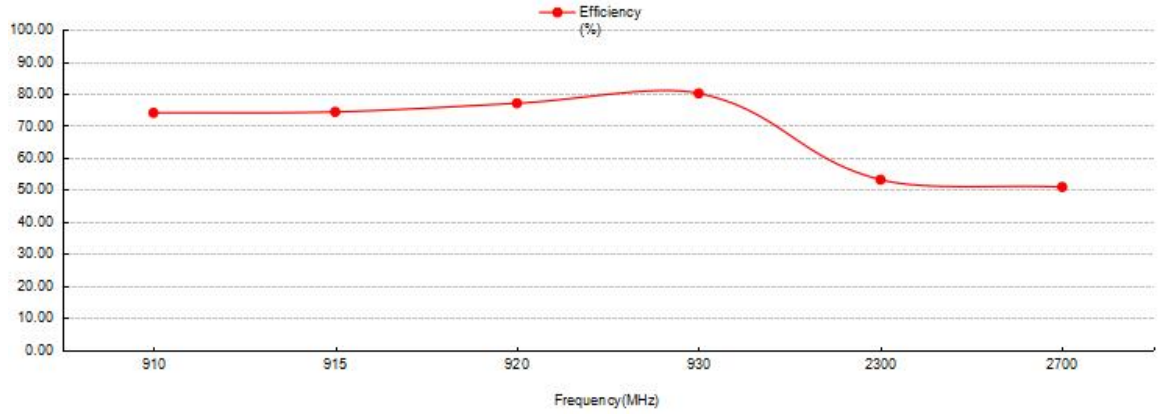
3. S Parameter



Frequency (MHz)	910	915	920	930
Return Loss (dB)	-24.65	-22.01	-18.42	-13.80
VSWR	1.12	1.17	1.26	1.50

4. Efficiency and Gain

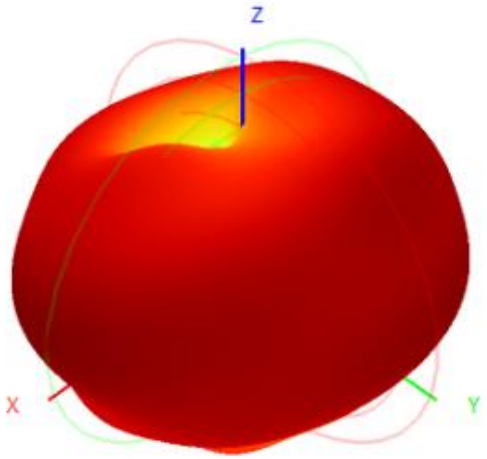




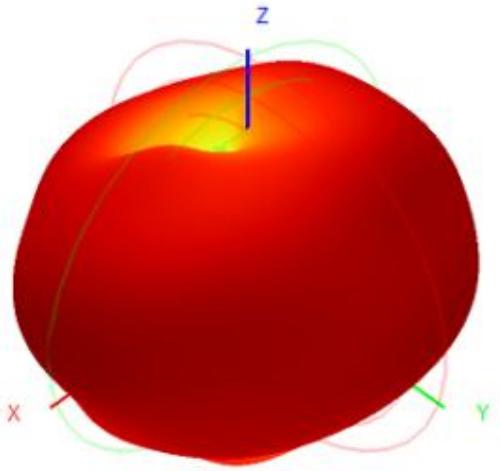
Frequency (MHz)	910	915	920	930
Efficiency (%)	**73.98**	**74.28**	**76.96**	**80.06**
Gain (dBi)	2.45	2.28	2.30	2.14

5. Radiation Pattern

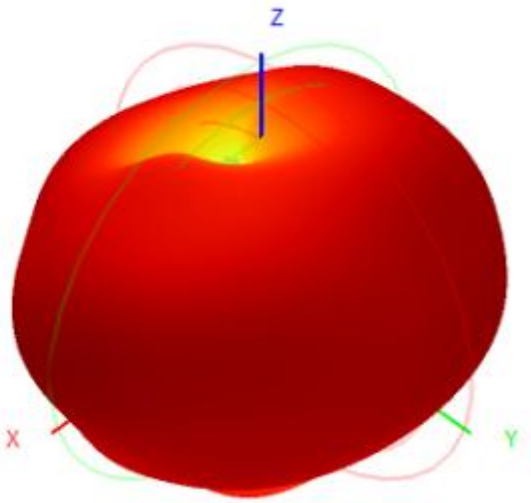
5-1 Antenna 3D Radiation Pattern



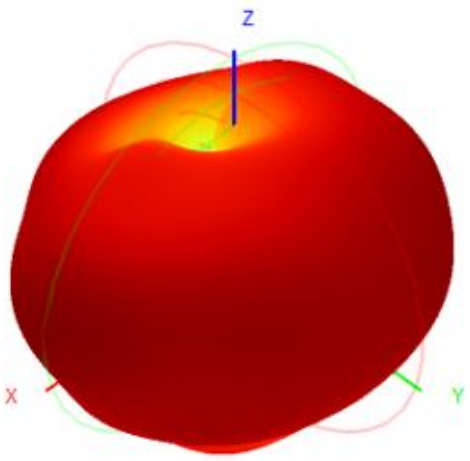
910MHz



915MHz

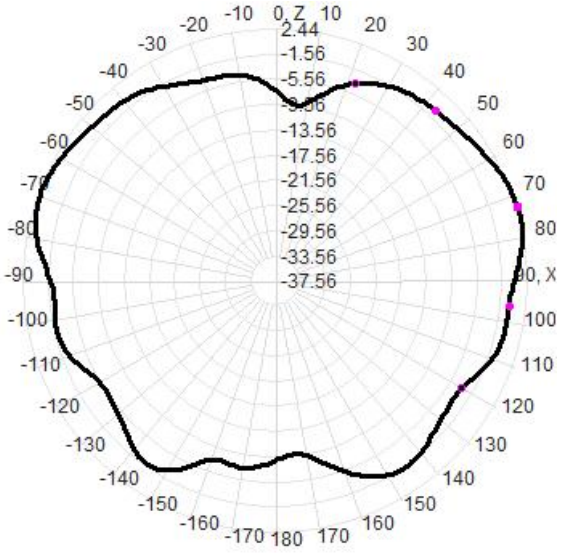


920MHz

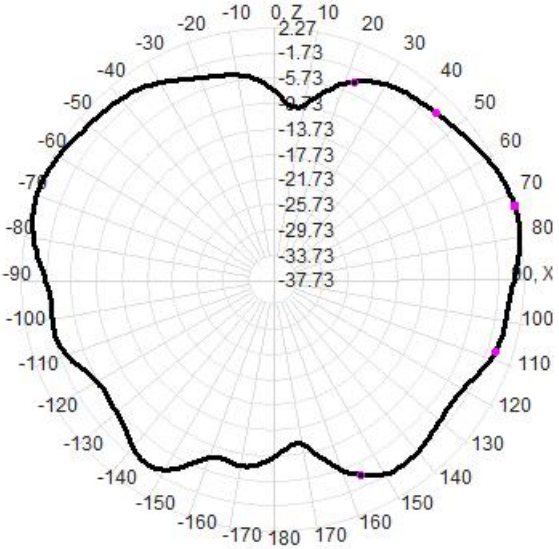


930MHz

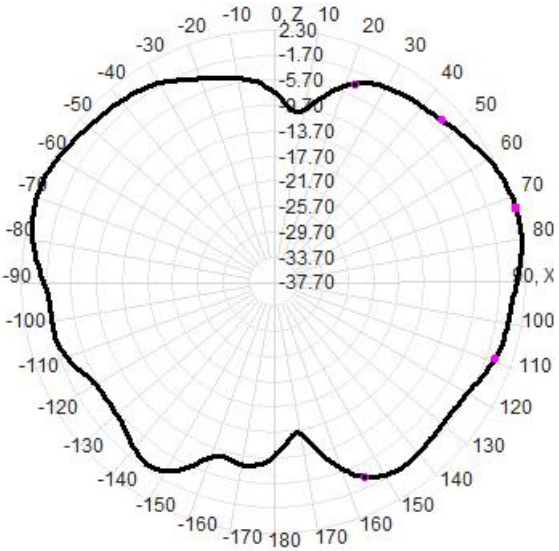
5-2 Antenna 2D Radiation Pattern



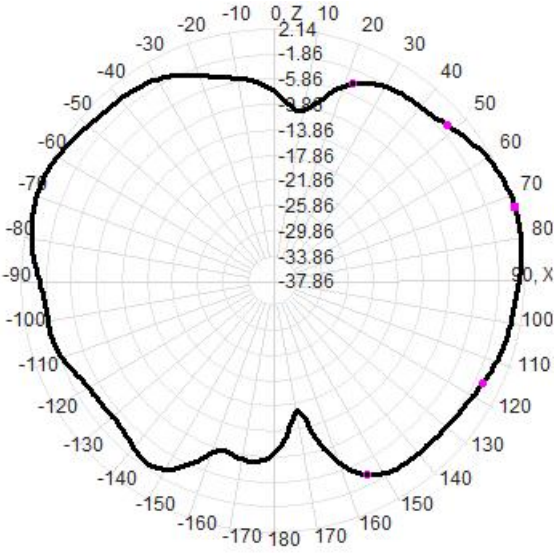
910MHz



915MHz



920MHz



930MHz

6. Mechanical Specification: