

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4/5.8GHz 玻璃钢白色天线 N 公头,L=200mm

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB04CJ1D276A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Mark. Liang 	
APPROVED BY:	Changxing. Liu	
DATE:	2023/07/27	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Yongxin. Lu	2023-07-27

Content

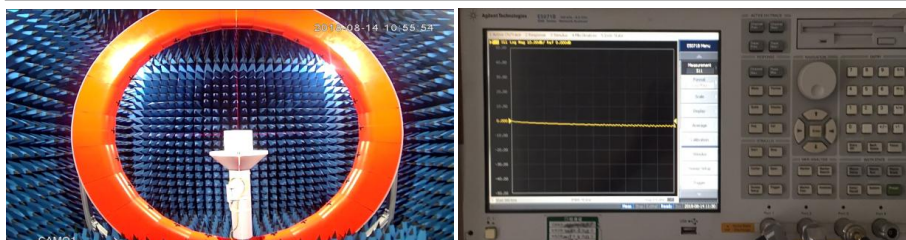
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification
7.-----	Packaging

1. Electrical Specification:

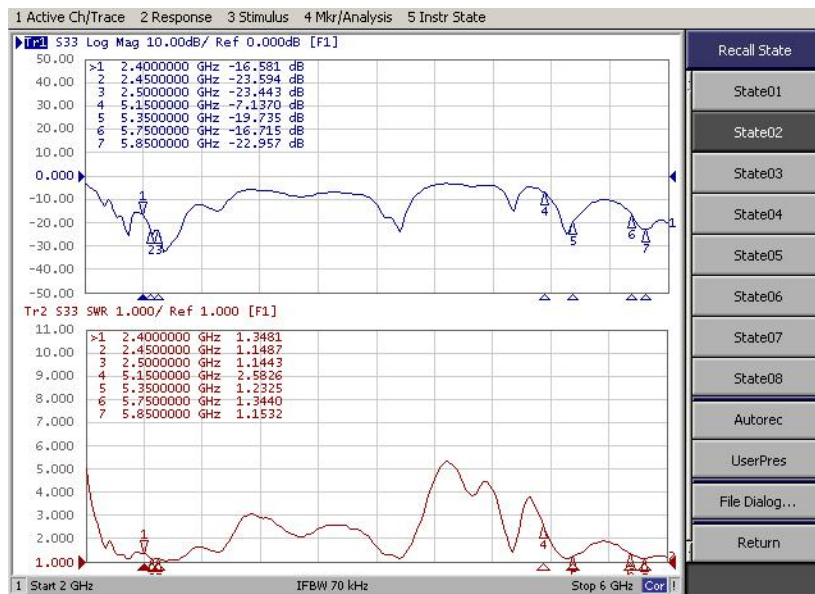
Characteristics	Specifications	Unit
Outline Dimensions	Ø20x200	mm
Frequency	2400-2500/5150-5850	MHz
Impedance	50	Ω
VSWR	≤ 1.92	
Polarization	Linear Polarization	
Gain	5	dBi
Efficiency	>65	%
Connector Type	PLUG FOR RG141 CABLE	
Operating temperature	-20℃~+50℃	
Storage Temp	-20℃~+50℃	

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)

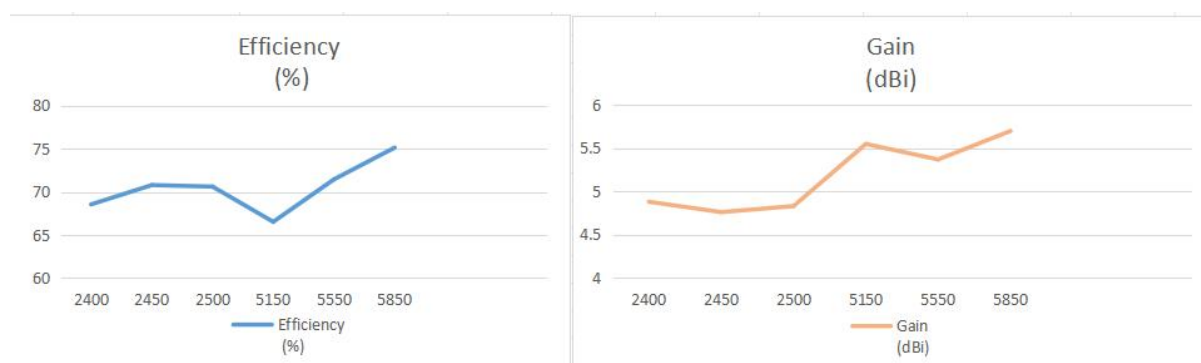


3. S Parameter



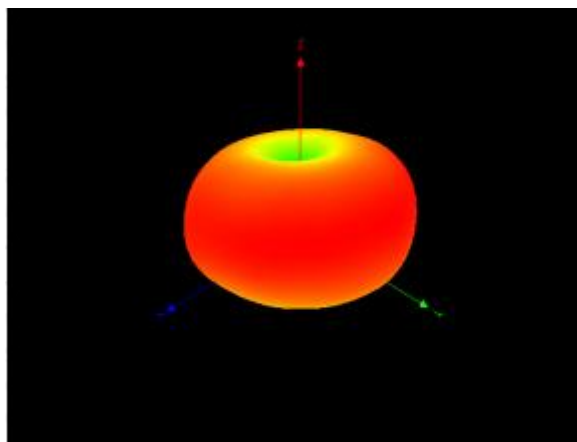
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500	5150	5550	5850
Efficiency (%)	68.55	70.79	70.61	66.53	71.45	75.13
Gain (dBi)	4.88	4.76	4.83	5.55	5.37	5.7

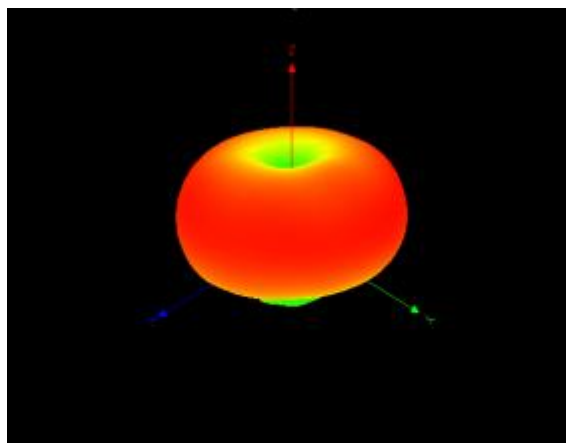


5. Radiation Pattern

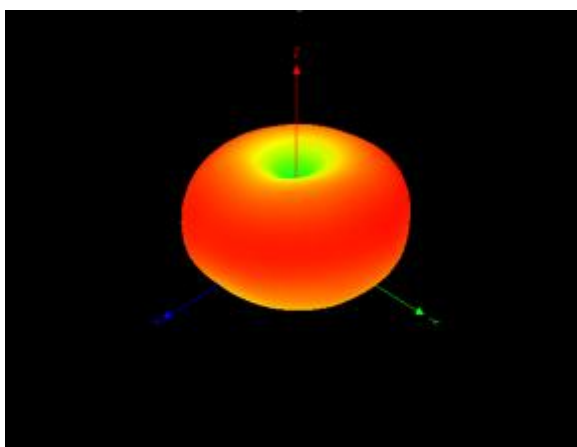
5-1 Antenna 3D Radiation Pattern



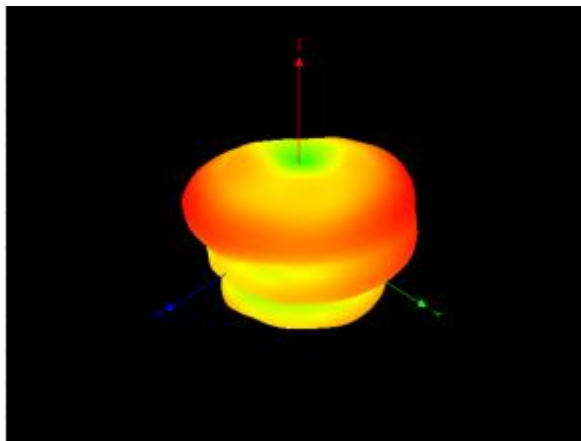
2400MHz



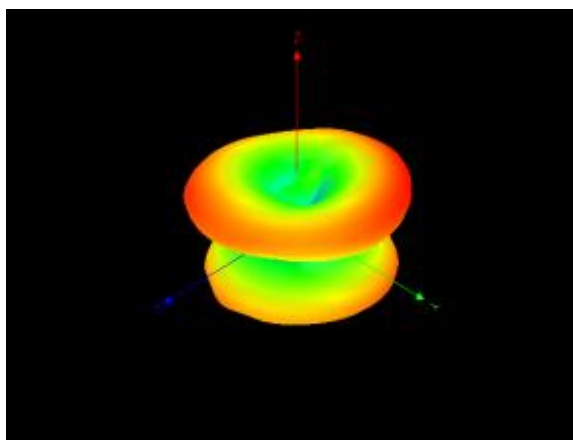
2450MHz



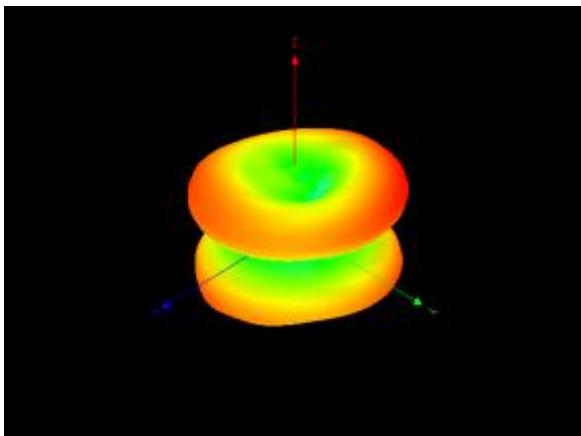
2500MHz



5150MHz

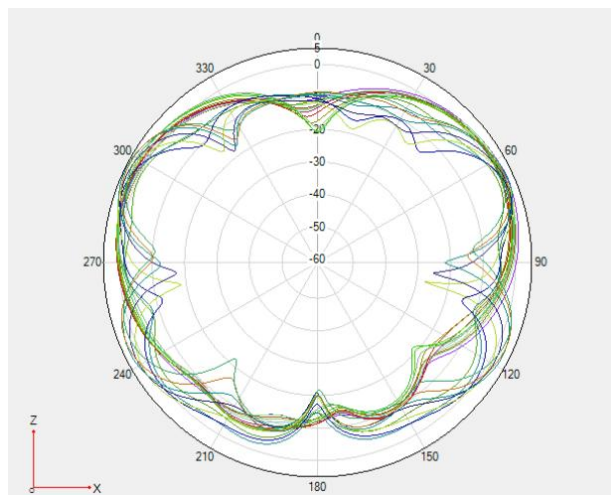


5550MHz

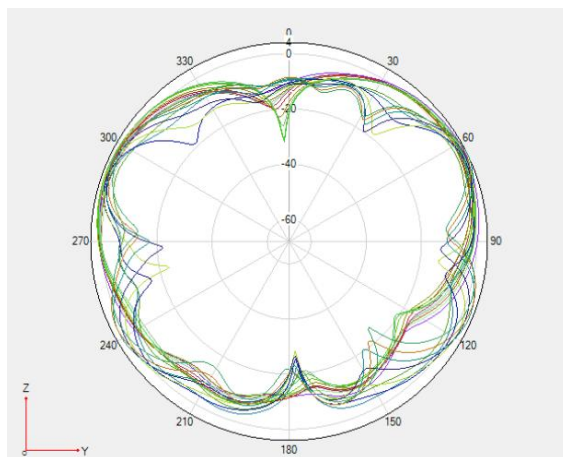


5850MHz

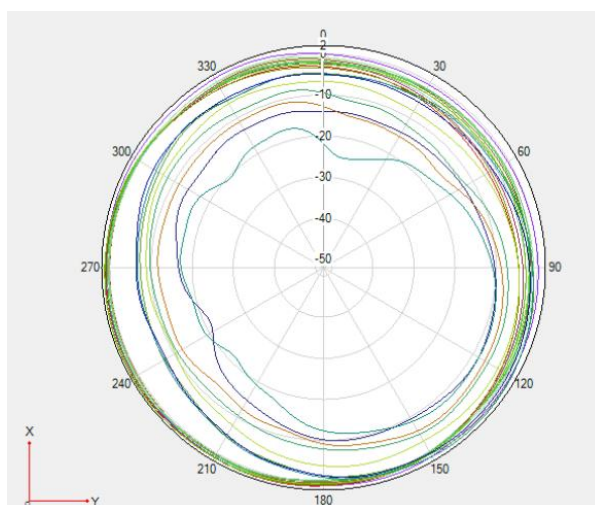
5-2 Antenna 2D Radiation Pattern



Phi 0 2D



Phi 90 2D



Theta 90 2D

6. Mechanical Specification:

