

承 认 书

APPROVAL SHEET

客户名称

CUSTOMER NAME:

产品名称

PRODUCT NAME: 2.4G W86 白色天线 L=125mm+端子

客户料号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02C120W2D2338A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Yongqin. Lu 	
APPROVED BY:	Changxing. Liu 	
DATE:	2022/04/12	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Yongxin.Lu	2022-04-12



好天线 · 优比造

东莞市优比电子有限公司

Dongguan Youbi Electronics Co., Ltd

Content

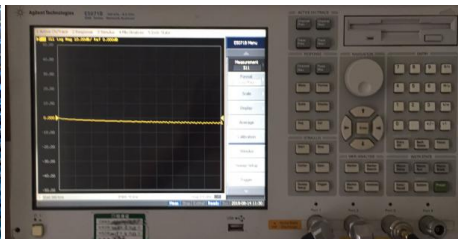
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification
7.-----	Packaging

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	12x64.2,L=125	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 2.0	
Polarization	Linear Polarization	
Gain	2 REF	dBi
Efficiency	>60	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	-20°C~+60°C	
Storage Temp	-20°C~+50°C	

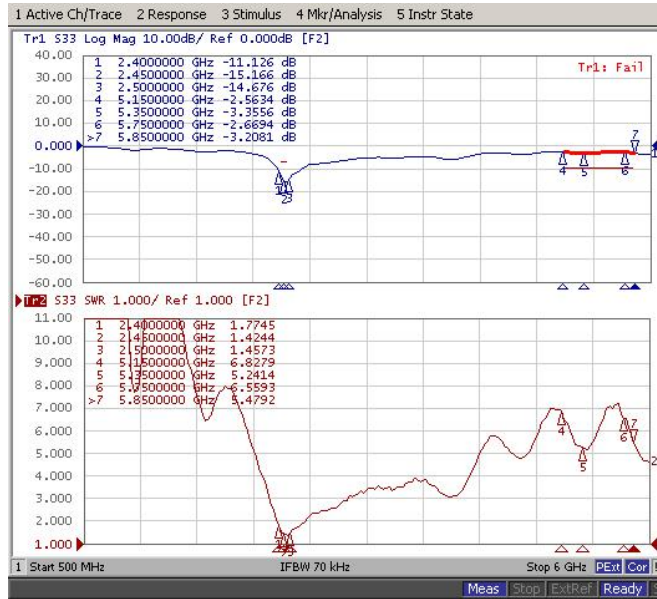
2. Test Items and Equipment

	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

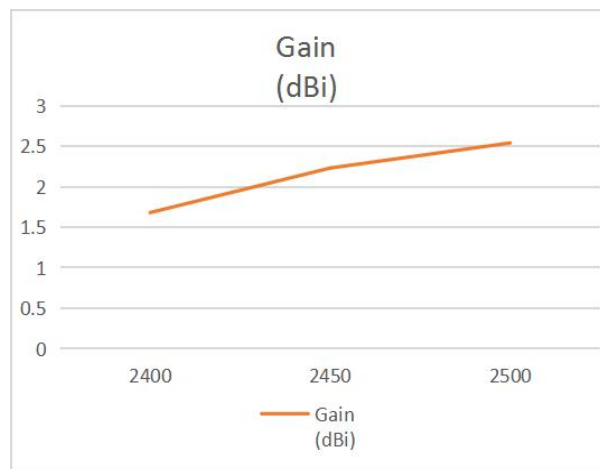
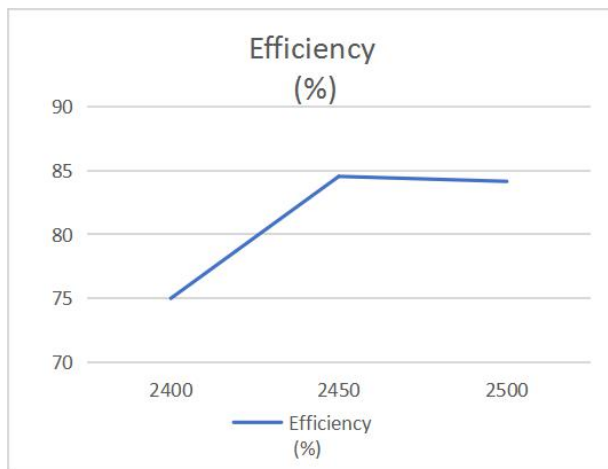
Frequency (MHz)	Return Loss (dB)	VSWR
2400	-11.12	1.77
2450	-15.16	1.42
2500	-14.67	1.45



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

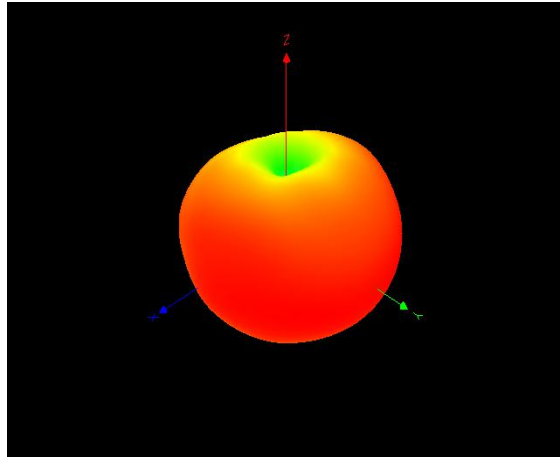
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	74.99	84.53	84.14
Gain (dBi)	1.68	2.23	2.54

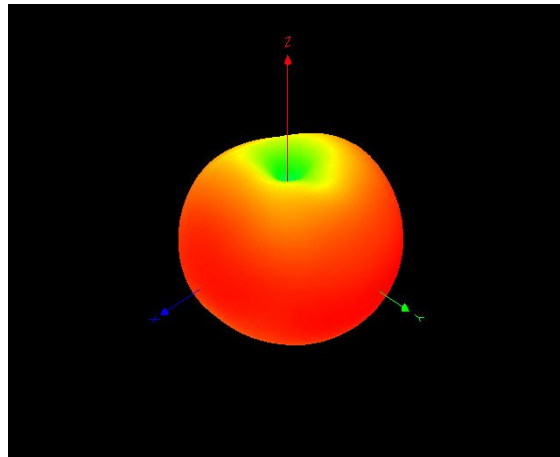


5. Radiation Pattern

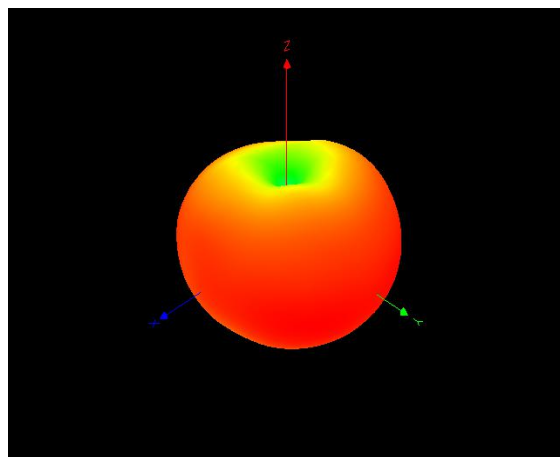
5-1 Antenna 3D Radiation Pattern



2400MHz

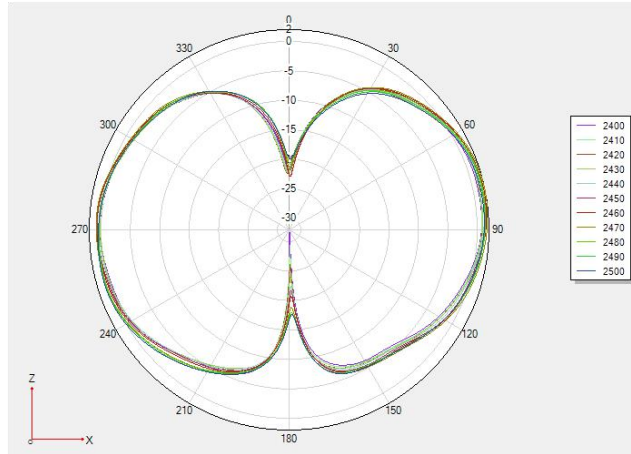


2450MHz

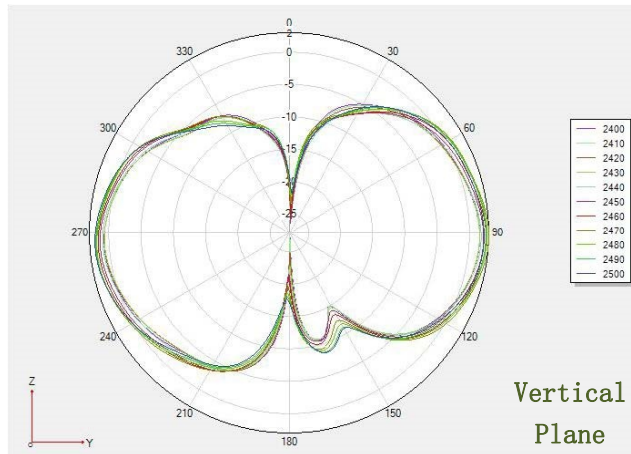


2500MHz

5-2 Antenna 2D Radiation Pattern

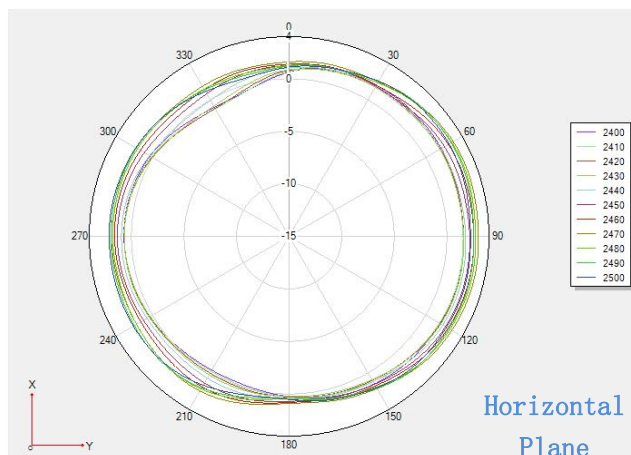


Phi 0 2D



Vertical Plane

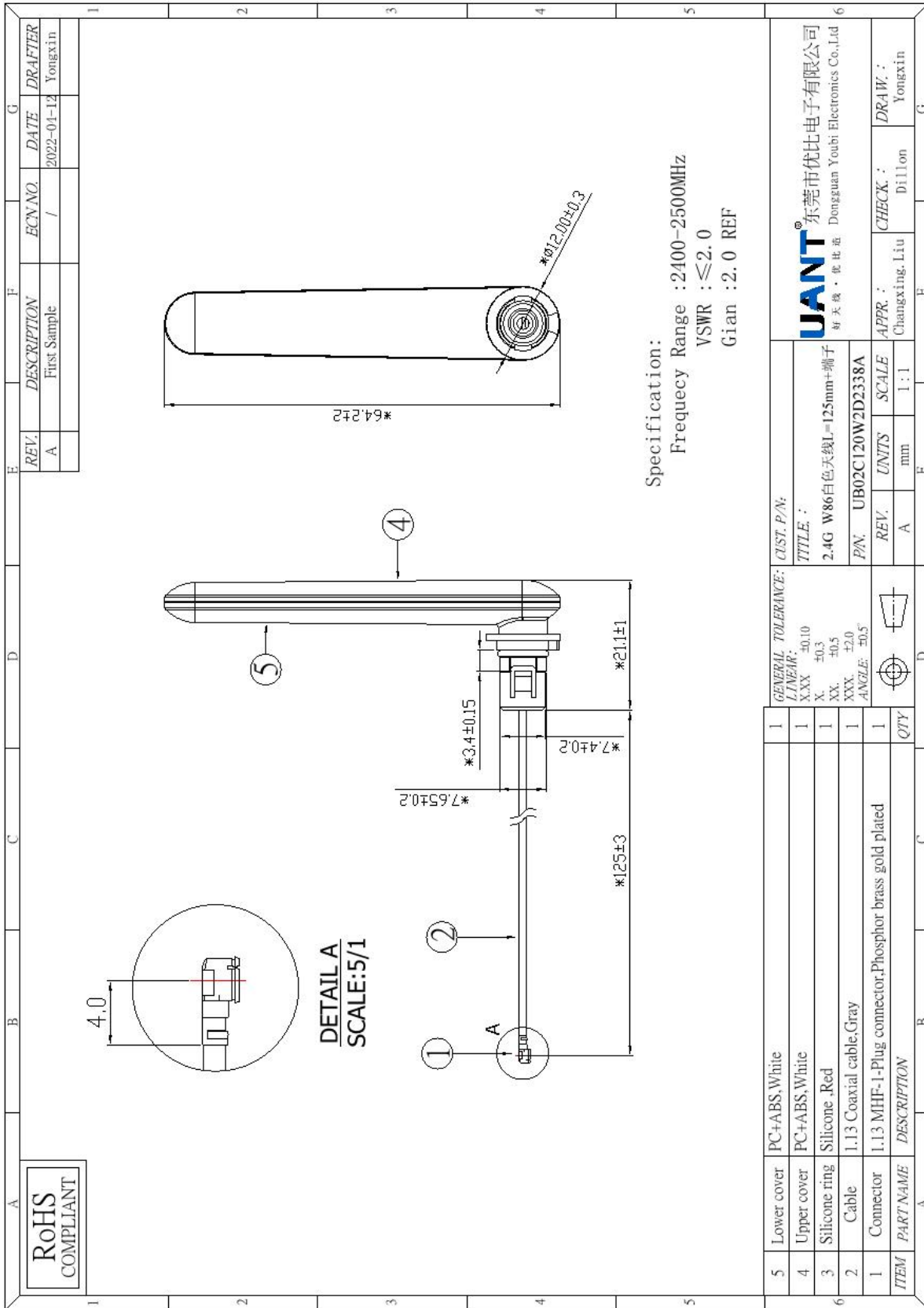
Phi 90 2D



Horizontal Plane

Theta 90 2D

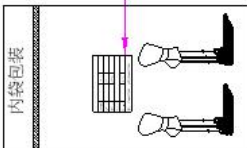
6. Mechanical Specification:



7. Packaging

REV.:	DESCRIPTION	ECN NO.	DATE	DRAFTER
A	First Sample	/	2022-4-12	Yongxin

内袋包装

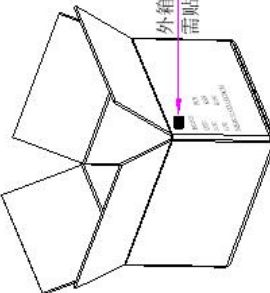


内袋标签

客户代码	工单号
客户料号	订单号
优比料号	生产日期
品名规格	数量
数量	日期

电话: 0769-81777126 传真: 0769-81777125

外箱包装



外箱标签
需贴/ROHS标签

客户代码	工单号
客户料号	订单号
优比料号	生产日期
品名规格	数量
数量	日期

电话: 0769-81777126 传真: 0769-81777125


内袋包装说明:

- 50pcs/PE袋.
- PE袋进行封口.
- 每袋需贴1pcs内袋标签至PE袋正中间位置.

包装箱封箱标准:

先用胶带封紧, 然后用2条打包带固定。

单个产品



纸箱尺寸: 长320mm*宽320mm*高200mm.

每箱装16袋产品, 共计装800pcs产品每箱.

GENERAL TOLERANCE:	CUST. P/A:	TITLE:	REV.	UNITS	SCALE	APPR.	CHECK:	DRAW:
±0.10		2.4G W86白色天线L=125mm+端子	A	mm	1:1	Changxing-Liu	Dillon	Yongxin-Lu
±0.3								
±0.5								
±2.0								
±0.5								
LINEAR:		UANT [®] 东莞市优比电子有限公司 好天线 · 优比造 Dongguan Youbi Electronics Co., Ltd						
ANGLE:								