

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

Content

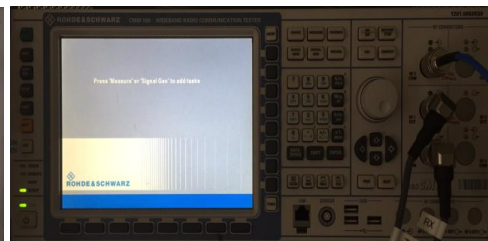
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification
7.-----	Packaging

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 $^{\circ}$ C~+60 $^{\circ}$ C	
Storage Temp	-20 $^{\circ}$ C~+50 $^{\circ}$ C	

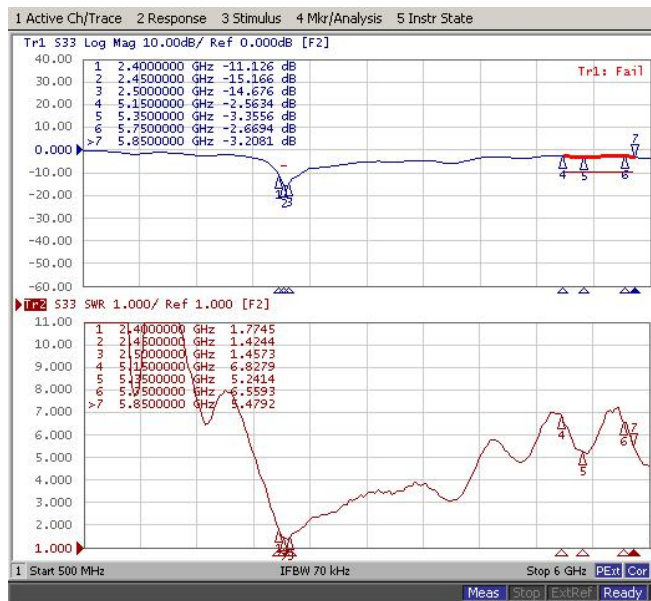
2. Test Items and Equipment

	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
2400	-11.12	1.77
2450	-15.16	1.42
2500	-14.67	1.45



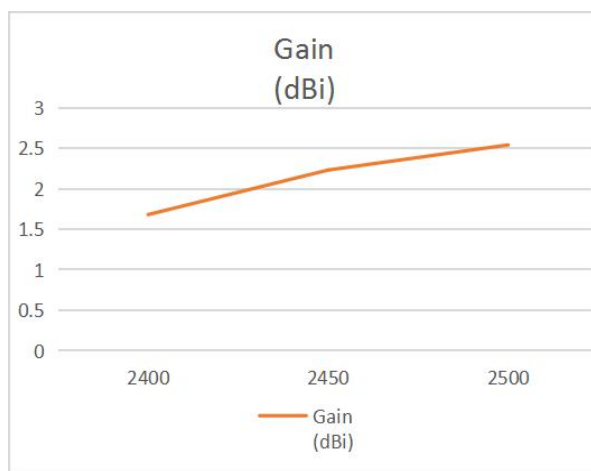
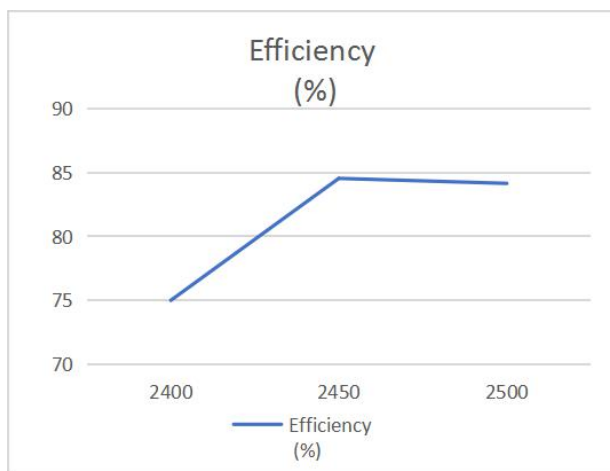
* Voltage Standing Wave Ratio(VSWR)

Return Loss(RL)

$$RL=20*\log_{10}[(VSWR+1)/(VSWR-1)]$$

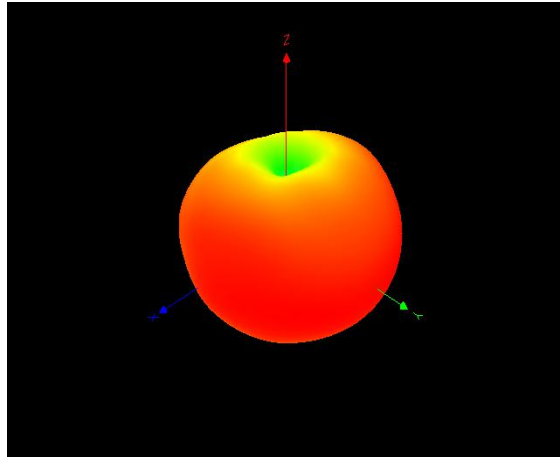
4. Efficiency and Gain

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

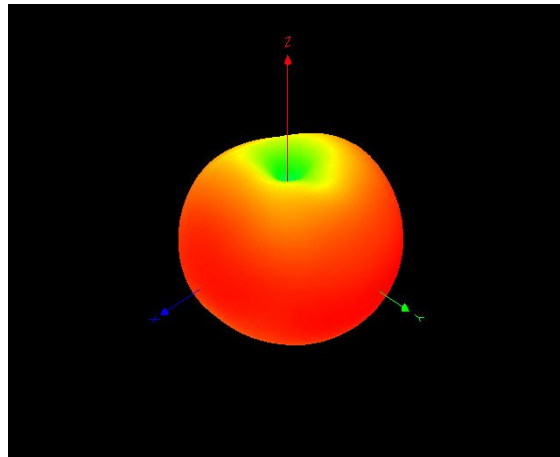


5. Radiation Pattern

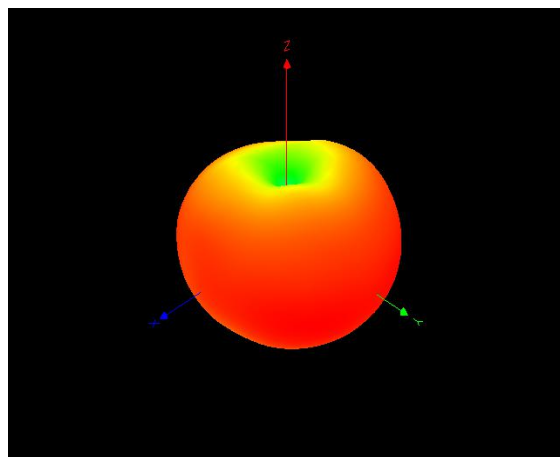
5-1 Antenna 3D Radiation Pattern



2400MHz

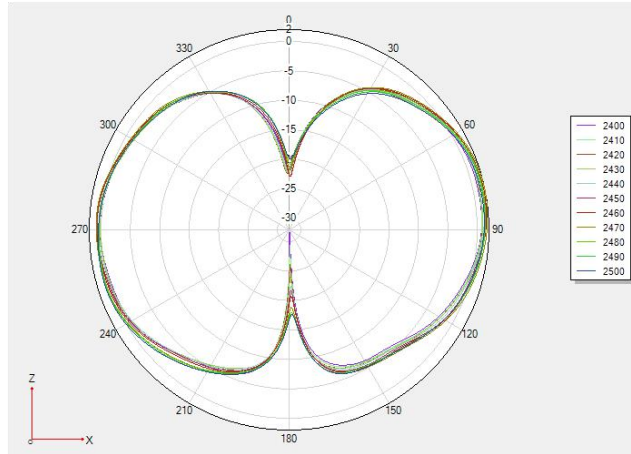


2450MHz

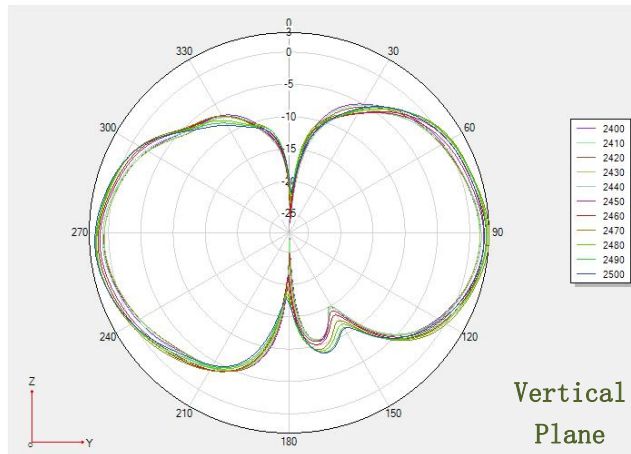


2500MHz

5-2 Antenna 2D Radiation Pattern

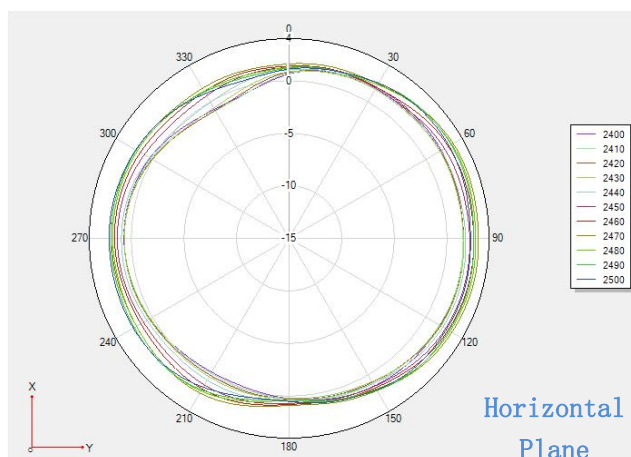


Phi 0 2D



Vertical Plane

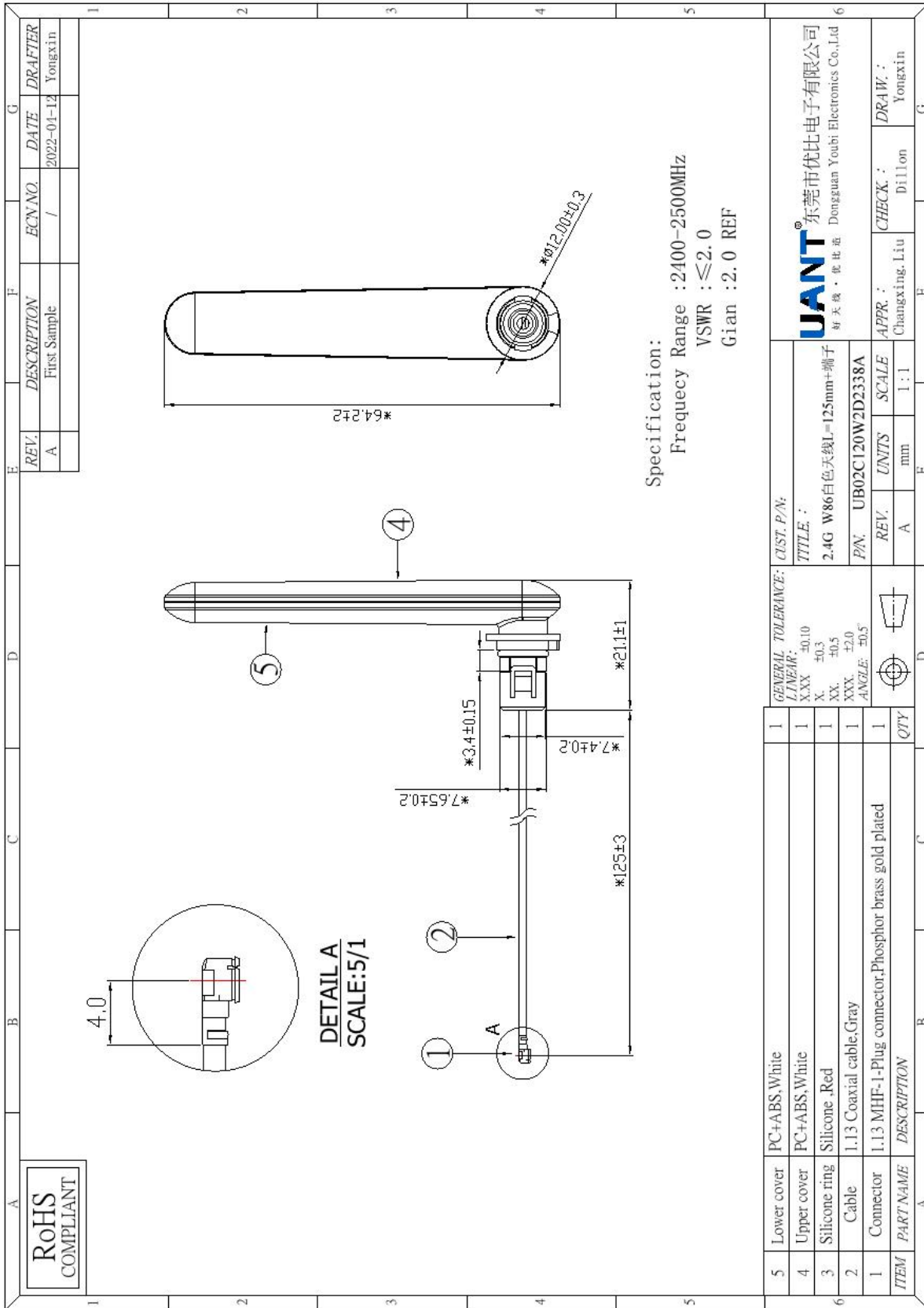
Phi 90 2D



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

内袋包装说明:
1. 50pcs/PE袋.
2. PE袋进行封口.
3. 每袋需贴1pcs内袋标签至PE袋正中间位置.

外箱包装

包装箱封箱标准:
先用胶带封紧, 然后用2条打包带固定.

内袋包装

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

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

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:

LINEAR:	±0.10
X-XX	±0.3
X	±0.5
XX	±2.0
XXX	±2.0
ANGLE:	±0.5

TITLE:	2.4G W86白色天线L=125mm+端子	SCALE	1:1	UNITS	mm	REV.	A
CUST. P/N:		UB02C120W2D2338A		APPR.:		Changxing-Liu	
UANT [®] 东莞市优比电子有限公司		Dongguan Youbi Electronics Co., Ltd		CHECK.:		Dillon	
好天线 · 优比造		DRAW.:		Yongxin-Lu			