

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称 2.4G W91 白色天线 L=300mm+端子

PRODUCT NAME:

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02C300W5Da1a0A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	 Lina	
APPROVED BY:	Changxing. Liu	
DATE:	2023-4-10	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2023-4-10

Content

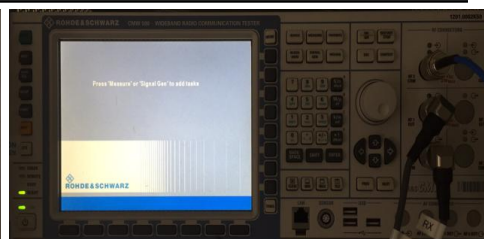
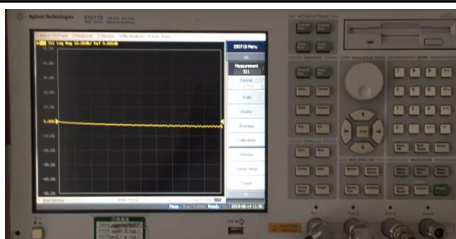
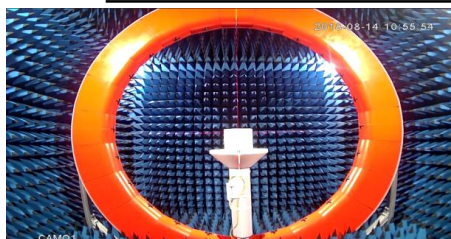
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification
7.-----	Packaging

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	13.0x105,L=300	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 2.0	
Polarization	Linear Polarization	
Gain	3.0	dBi
Efficiency	>50	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	-20℃~+65℃	
Storage Temp	-20℃~+50℃	

2. Test Items and Equipment

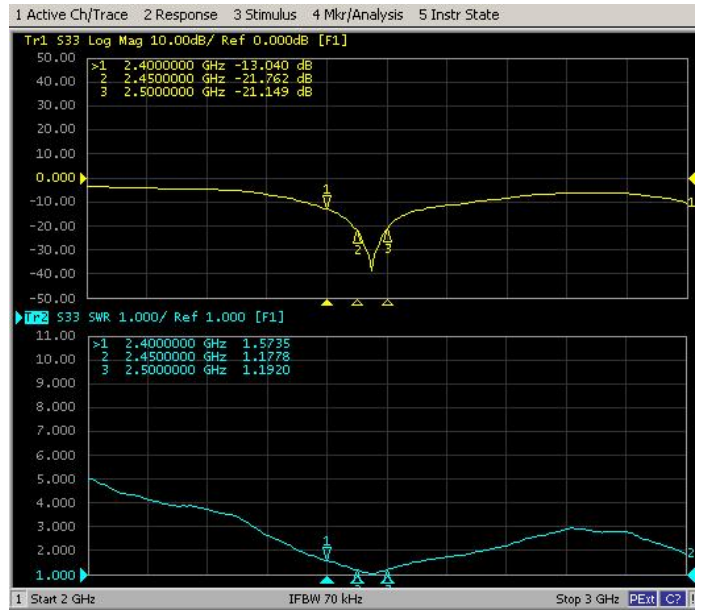
	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave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



3. S Parameter

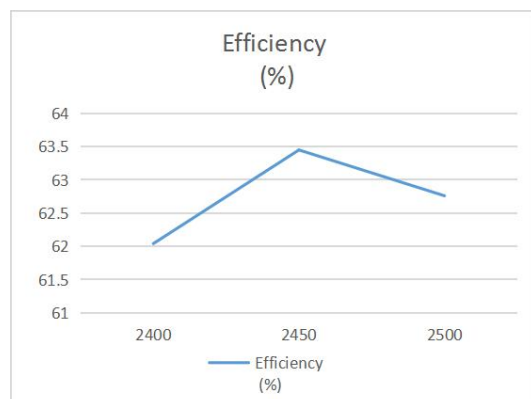
Frequency (MHz)	Return Loss (dB)	VSWR
2400	-13.04	1.57
2450	-21.76	1.17
2500	-21.14	1.19

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



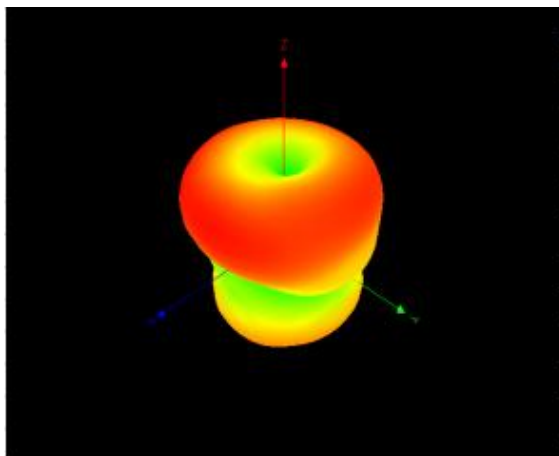
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	62.02	63.43	62.73
Gain (dBi)	2.92	3.00	2.96

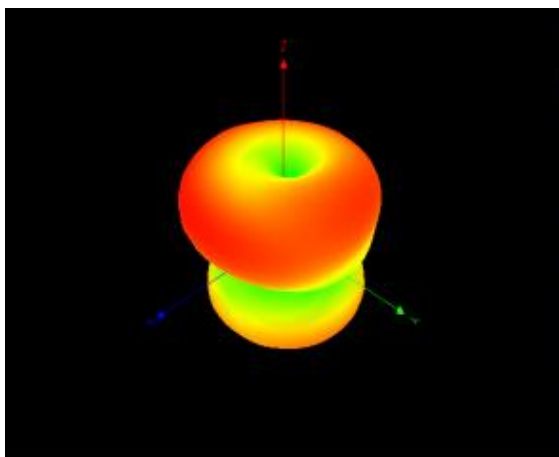


5. Radiation Pattern

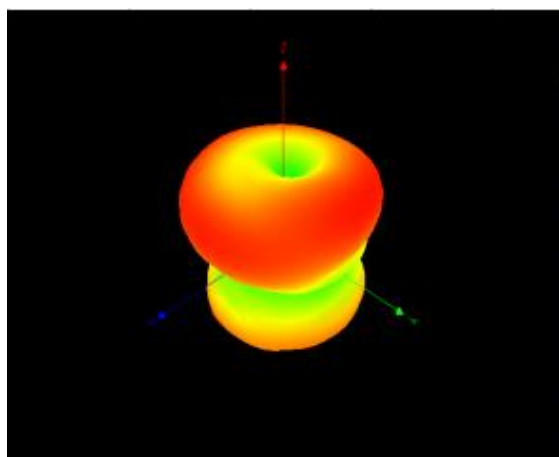
5-1 Antenna 3D Radiation Pattern



2400MHz

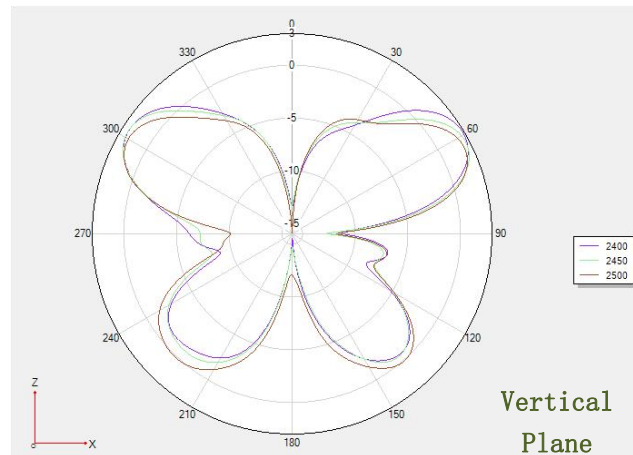


2450MHz

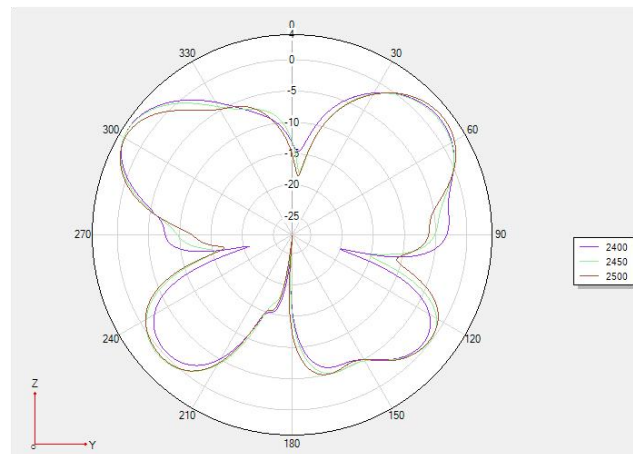


2500MHz

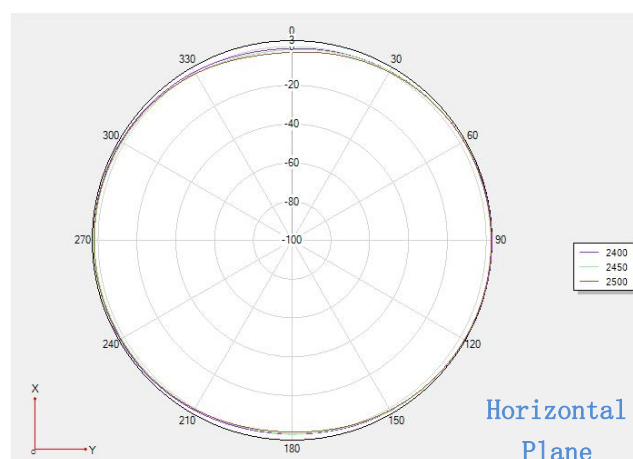
5-2 Antenna 2D Radiation Pattern



Phi 0 2D

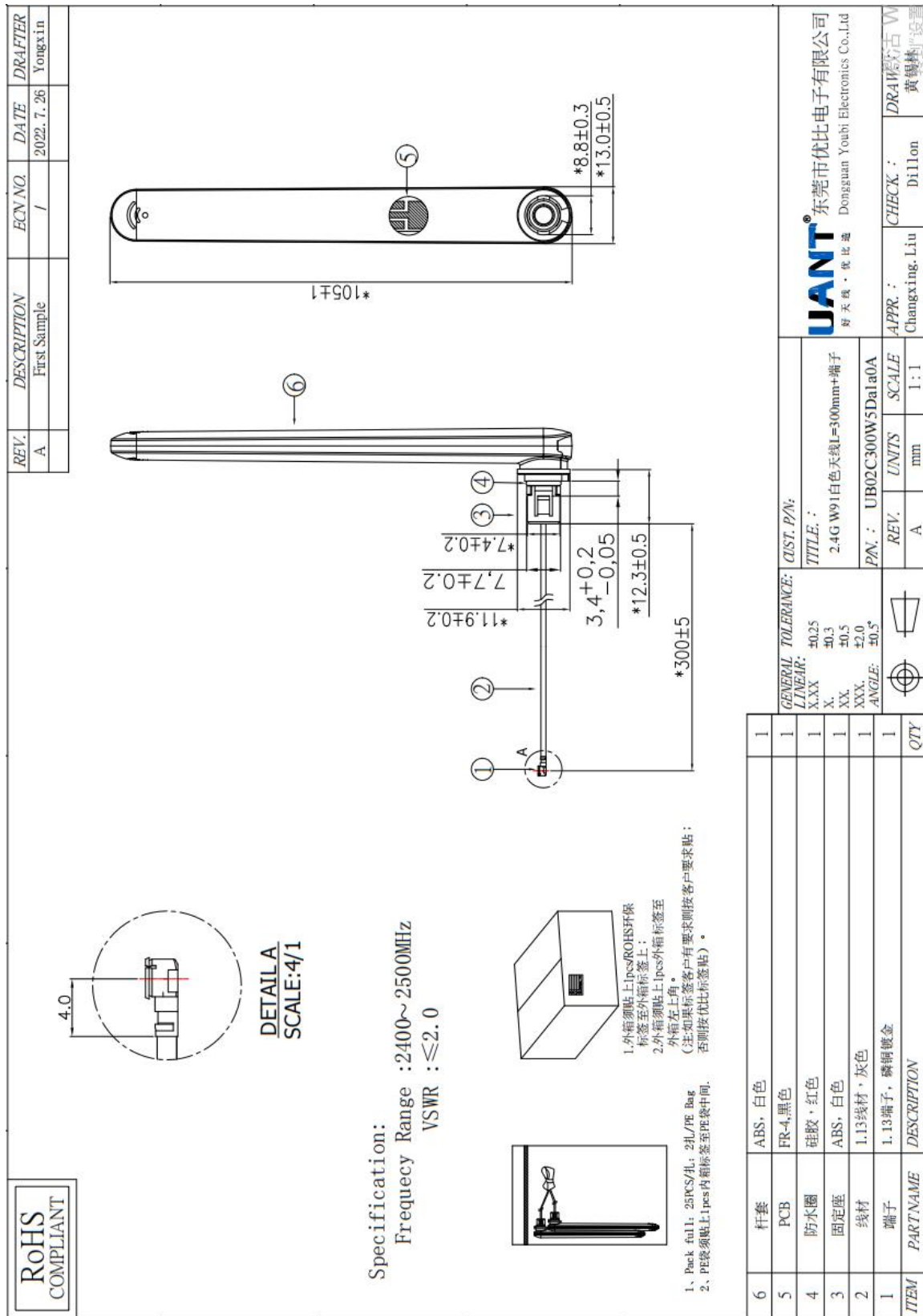


Phi 90 2D



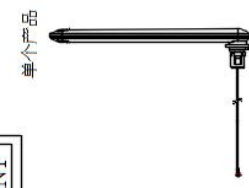
Theta 90 2D

6. Mechanical Specification:

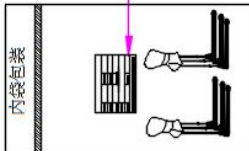


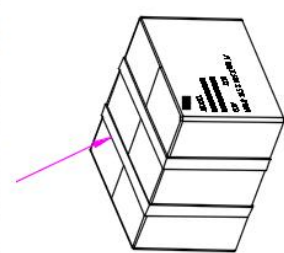
7. Packaging

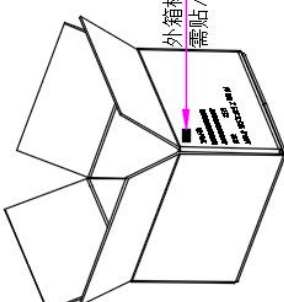
A	B	C	D	E	F	G
RoHS COMPLIANT						
				REV.	DESCRIPTION	ECN NO.
				A	First Sample	/
				DATE		DRAWER
				2021-09-10		Mark

单个产品

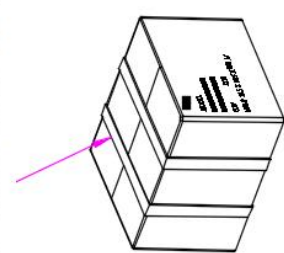
内袋包装说明:
1. 25pcs 产品包扎成一扎,
每袋装入2扎产品共计50pcs.
2. PE袋进行封口.
3. PE袋需贴1pcs 内袋标签至PE袋正中间位置.

↑

内袋包裹
内袋标签

↓

外包装箱
外箱标签 / ROHS 标签
需贴

↓


包装箱封箱标准:
先用胶带封紧, 然后用2条打包带固定.

↓


1. 纸箱尺寸: 长320mm*宽320mm*高200mm.
2. 每箱装16袋产品, 共计装800pcs 产品每箱.

客户代码:	工单号:
客户名称:	订单号:
付比账号:	生产日期:
仓库地址:	经度:
数量:	电话: 0769-81777126 传真: 0769-81777125

客户代码:	工单号:
客户名称:	订单号:
付比账号:	生产日期:
仓库地址:	经度:
数量:	电话: 0769-81777126 传真: 0769-81777125

GENERAL TOLERANCE: CUST. P/N :	
LINEAR: X.XXX ±0.10	
X.XX	±0.3
XX	±0.5
XXX	±2.0
ANGLE:	±0.5°

REV.	UNITS	SCALE
A	mm	1 : 1

TITLE: 2.4G 3D BI W/FI 白色天线; L=200mm+端子(新结构)	
P.N.: UB02C260W3D2286A	

UANT® 东莞市优比电子有限公司 好天勤 · 犹仕港 Dongguan Youbi Electronics Co., Ltd	
APPR.: Changxing.Liu	CHECK.: Dillion
DRAW.: Mark.Liang	

