

承 认 书

APPROVAL SHEET

客户名称

CUSTOMER NAME:

产品名称

PRODUCT NAME: 2.4G W71 白色天线 L=230mm+端子

客户料号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02C225W3D2171A REV: B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2022/9/28	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Dillon	2022-09-28

Content

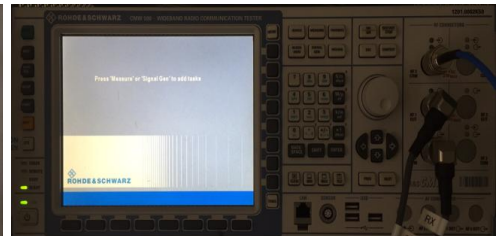
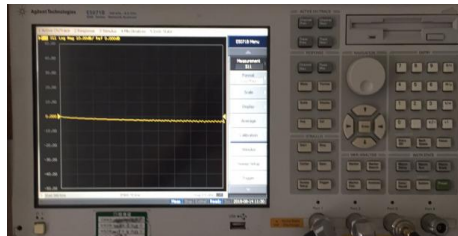
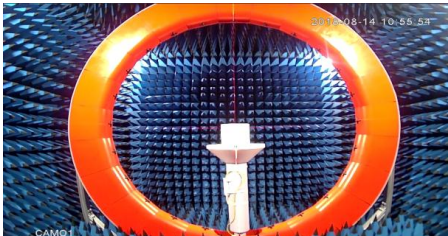
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification
7.-----	Packaging

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	12.9x104.9,L230	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 2.0	
Polarization	Linear Polarization	
Gain	2.43	dBi
Efficiency	>60	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	-20°C~+70°C	
Storage Temp	-20°C~+70°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	-13.30	1.55
2450	-25.02	1.11
2500	-17.32	1.31



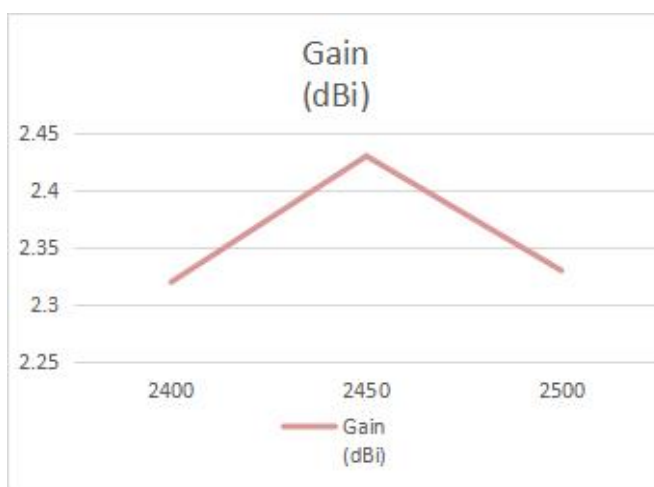
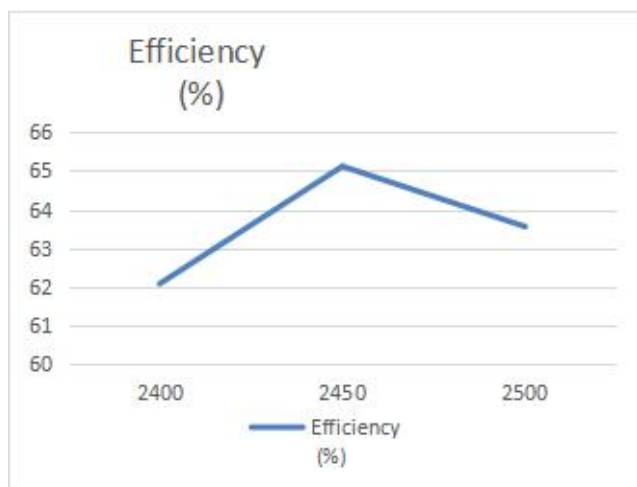
* Voltage Standing Wave Ratio(VSWR)

Return Loss(RL)

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

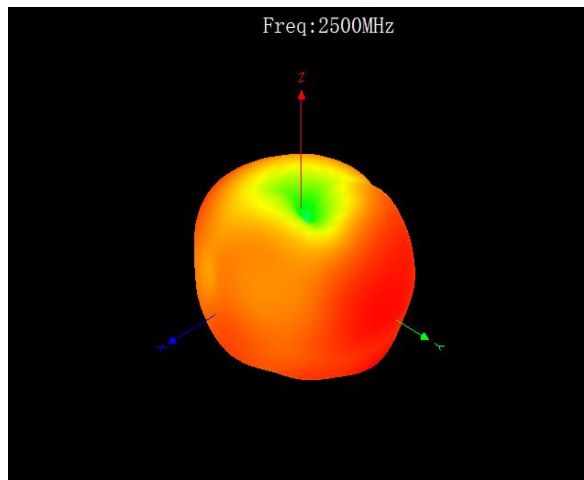
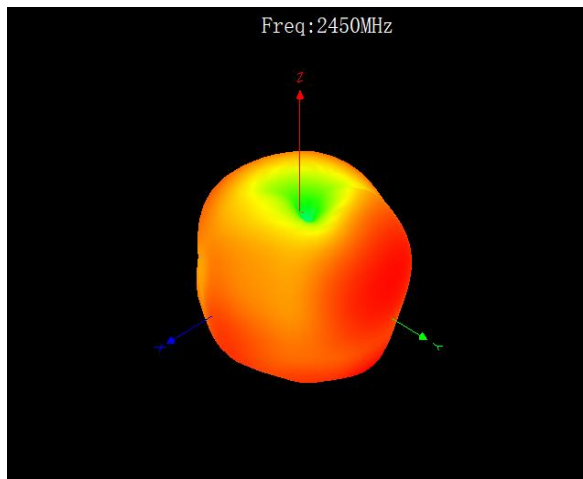
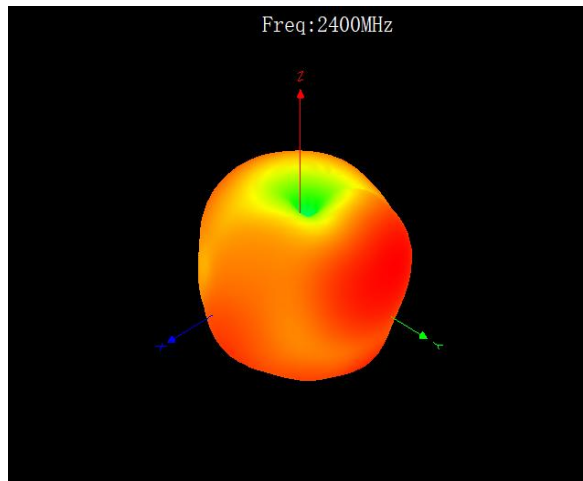
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	62.08	65.12	63.56
Gain (dBi)	2.32	2.43	2.33

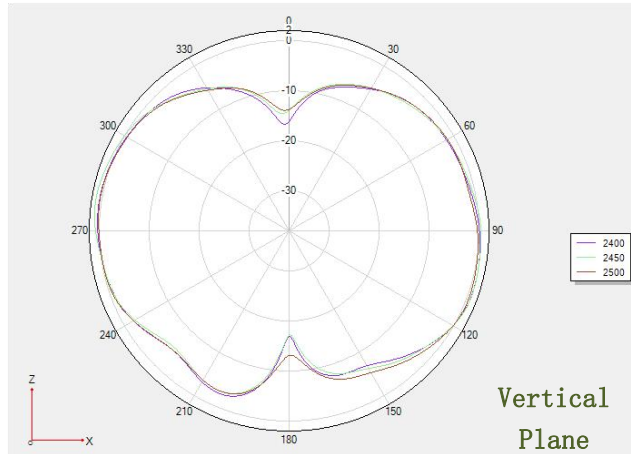


5. Radiation Pattern

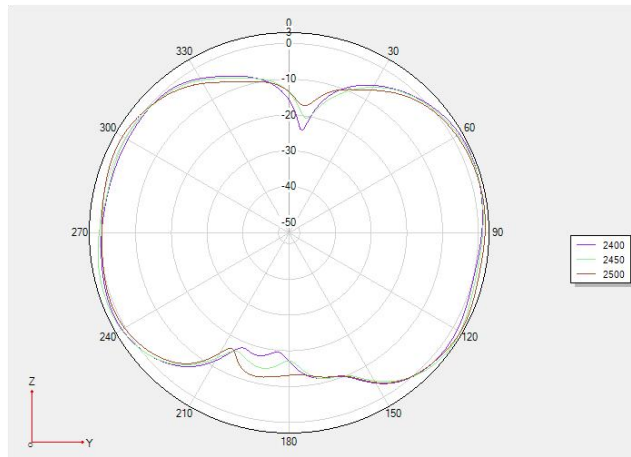
5-1 Antenna 3D Radiation Pattern



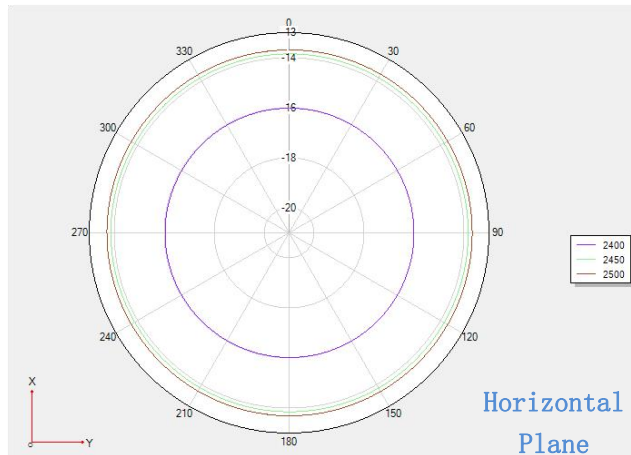
5-2 Antenna 2D Radiation Pattern



Phi 0 2D

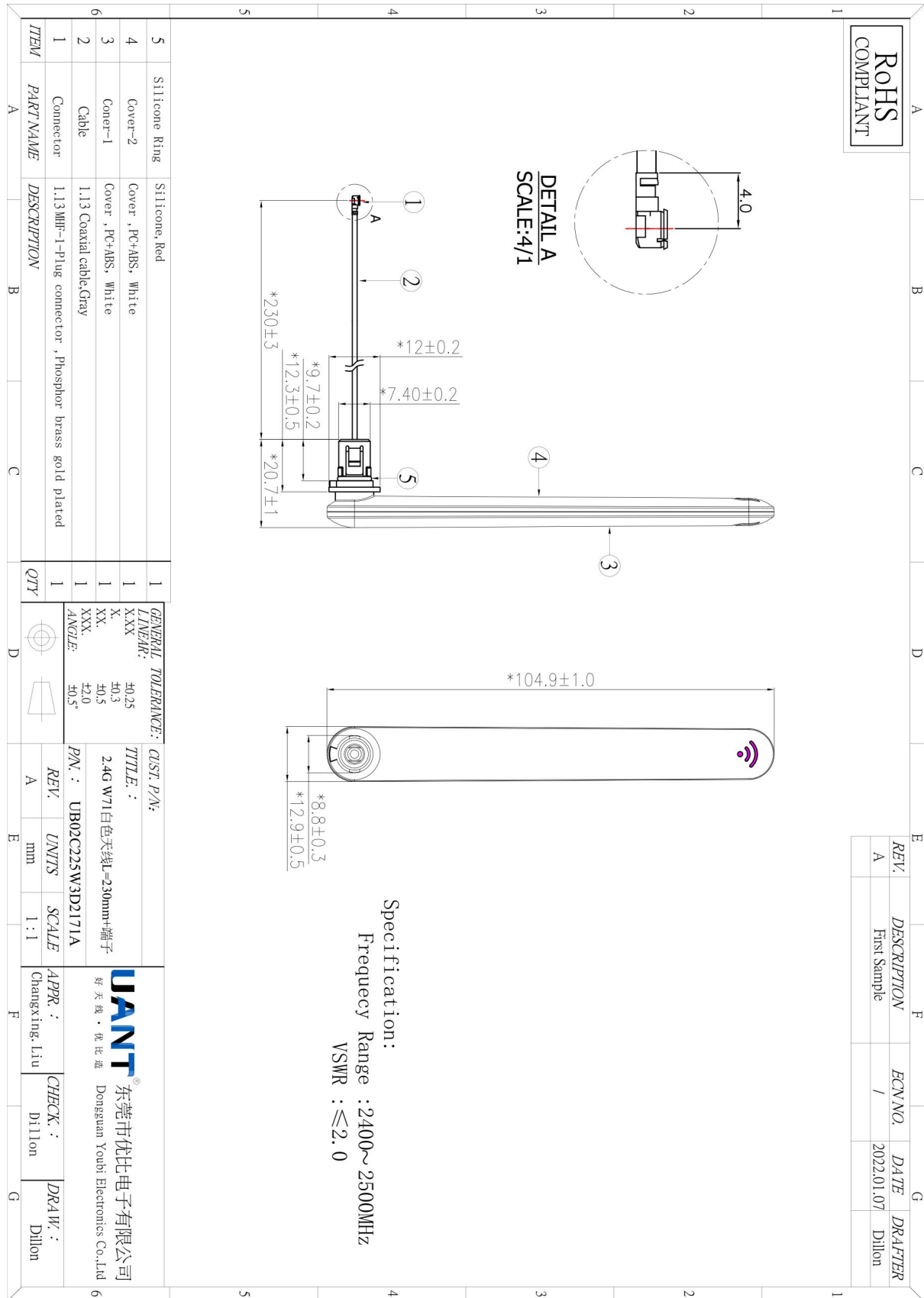


Phi 90 2D


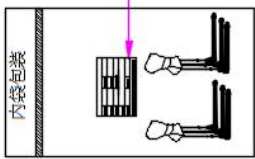
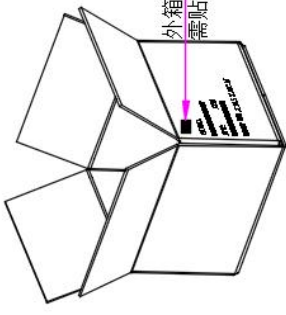
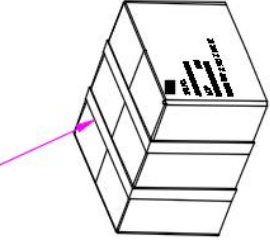


Theta 90 2D

6. Mechanical Specification:



7. Packaging

A	B	C	D	E	F	G																									
1	2	3	4	5	6																										
 <p>单个产品</p>		 <p>内袋包装</p>		 <p>外箱包装</p>																											
<p>RoHS COMPLIANT</p>		<p>内袋包装说明:</p> <ol style="list-style-type: none"> 25pcs 产品包扎成一扎, 每袋转入2扎产品, 共计50pcs. PE袋进行封口. 每袋需贴1pcs内袋标签至距袋正中间位置. 		<p>包装封箱标准:</p> <p>先用胶带封紧, 然后用2条打包带固定.</p>		<p>1. 纸箱尺寸: 长320mm*宽320mm*高200mm.</p> <p>2. 每箱装16袋产品, 共计装800pcs产品每箱.</p>		<p>电话: 0769-8177126 传真: 0769-8177125</p>																							
<p>REV. : A</p> <p>DESCRIPTION : First Sample</p> <p>ECN NO. : /</p> <p>DATE : 2021-09-10</p> <p>DRAFTER : Mark</p>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>客户名称:</td><td></td></tr> <tr><td>客户编号:</td><td></td></tr> <tr><td>客户地址:</td><td></td></tr> <tr><td>客户电话:</td><td></td></tr> <tr><td>客户邮箱:</td><td></td></tr> <tr><td>客户网址:</td><td></td></tr> </table> <p>电话: 0769-8177126 传真: 0769-8177125</p>		客户名称:		客户编号:		客户地址:		客户电话:		客户邮箱:		客户网址:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>设计日期:</td><td></td></tr> <tr><td>审核日期:</td><td></td></tr> <tr><td>生产日期:</td><td></td></tr> <tr><td>检验日期:</td><td></td></tr> <tr><td>包装日期:</td><td></td></tr> </table> <p>电话: 0769-8177126 传真: 0769-8177125</p>		设计日期:		审核日期:		生产日期:		检验日期:		包装日期:		<p>GENERAL TOLERANCE: CUST. P/N:</p> <p>LINEAR: ±0.10</p> <p>XXX: ±0.3</p> <p>X: ±0.5</p> <p>XX: ±2.0</p> <p>XXX: ±0.5°</p> <p>ANGLE: ±0.5°</p>		<p>UANT[®] 东莞市优比电子有限公司</p> <p>好天线 · 优比造 Dongguan Youbi Electronics Co., Ltd</p> <p>REV. : A UNITS : mm SCALE : 1:1</p> <p>APPR. : Changxing, Liu CHECK. : Dillon DRAW. : Mark, Liang</p>	
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