承　认　书

APPROVAL　SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT　NAME:　2.4G W70 白色天线 L=130mm+端子

客 户 料 号

CUSTOMER　P/N:

优比电子料号

Youbi　P/N:　UB02C130W3D2511A　REV: B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Yongxin.Lu	
APPROVED BY:	Changxing.Liu	
DATE:	2021/10/29	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Yongxin.Lu	2021-10-23

Content

ltem ***Description***

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	13x105,L130	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	⩽ 1.92	
Polarization	Linear Polarization	
Gain	3.0±0.5	dBi
Efficiency	>50	%
Connector Type	MHF-1-Plug	
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)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)



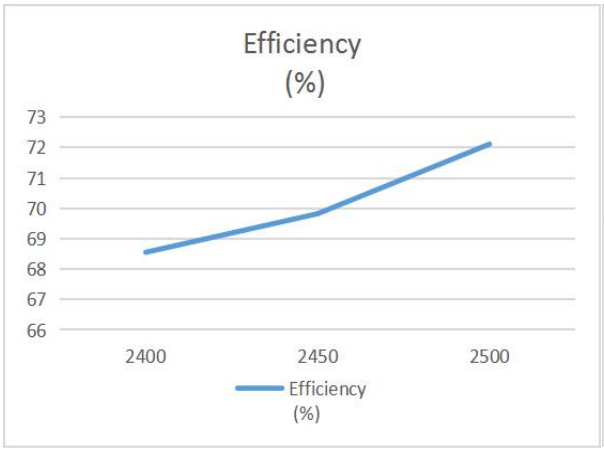
3. S Parameter

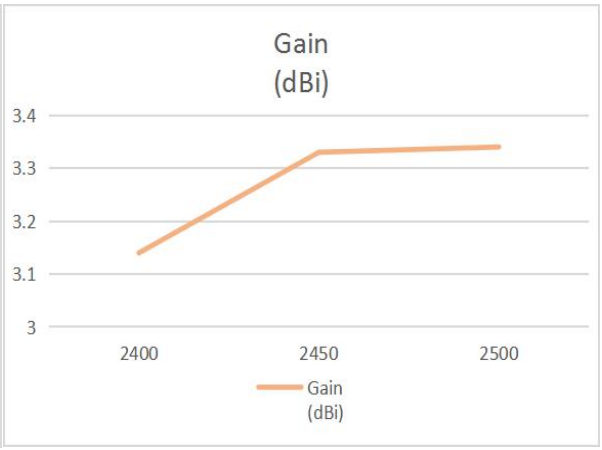
Frequency (MHz)	Return Loss (dB)	VSWR
2400	-13.04	1.57
2450	-21.76	1.17
2500	-21.14	1.19

* Voltage Standing Wave Ratio(VSWR)
  Return Loss(RL)
  RL=20*log10[(VSWR+1)/(VSWR-1)

4. Efficiency and Gain

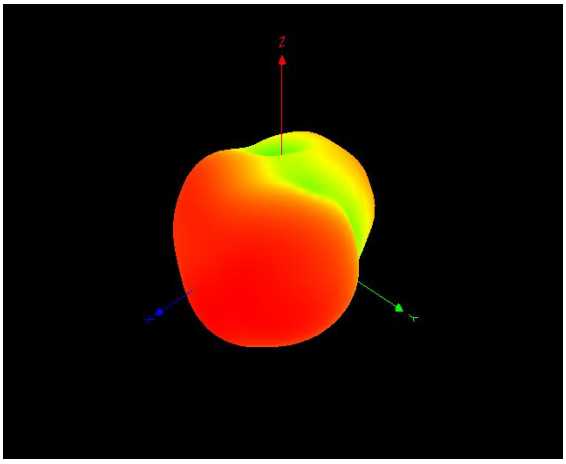
Frequency (MHz)	2400	2450	2500
Efficiency (%)	68.55	69.82	72.11
Gain (dBi)	3.14	3.33	3.34



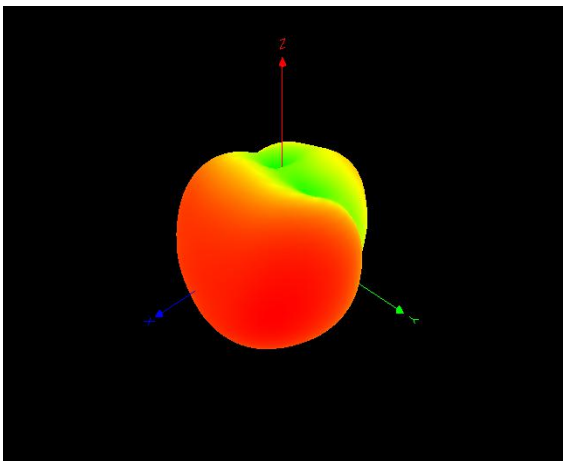


5. Radiation Pattern

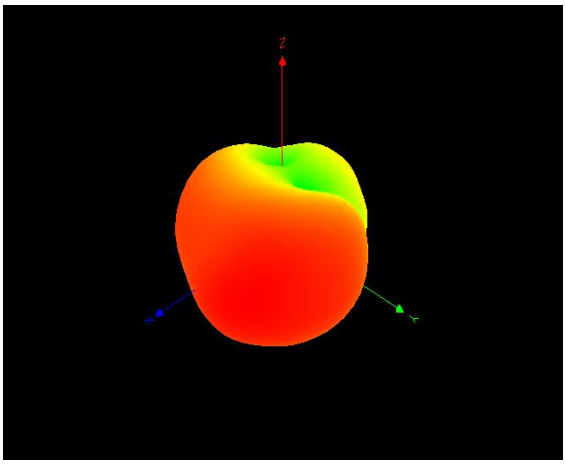
5-1 Antenna 3D Radiation Pattern



2400MHz

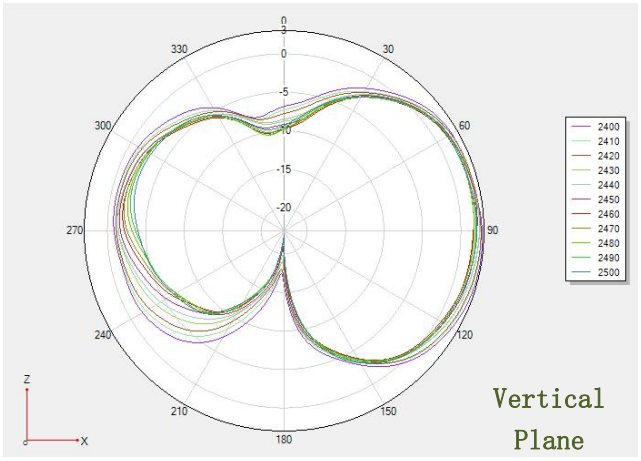


2450MHz

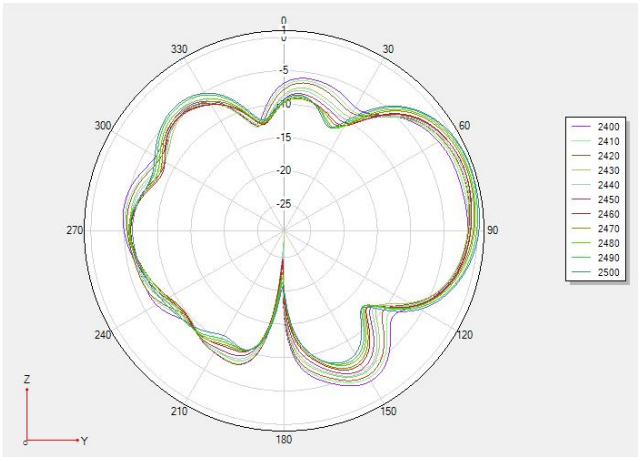


2500MHz

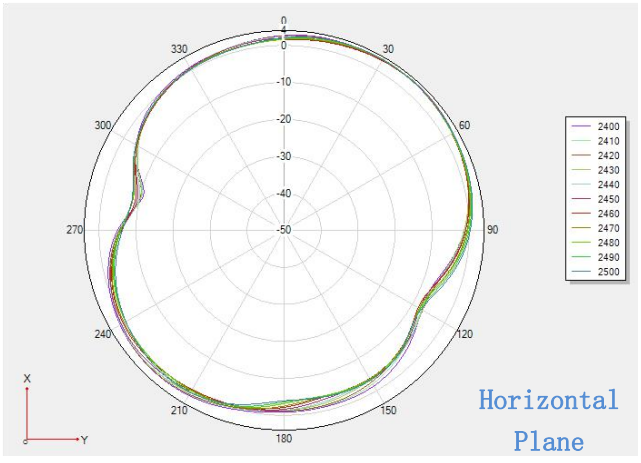
5-2 Antenna 2D Radiation Pattern



Phi 0 2D

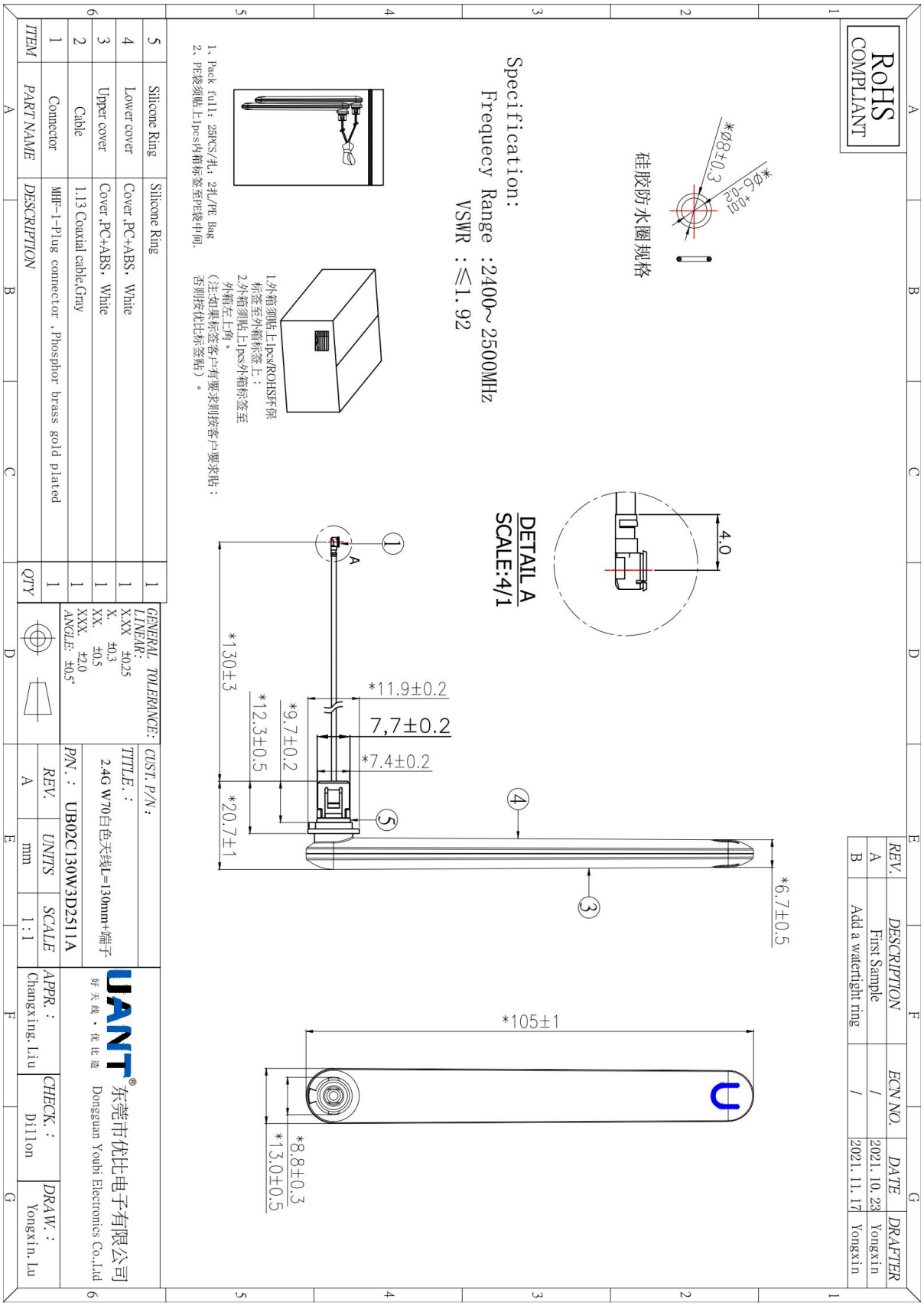


Phi 90 2D

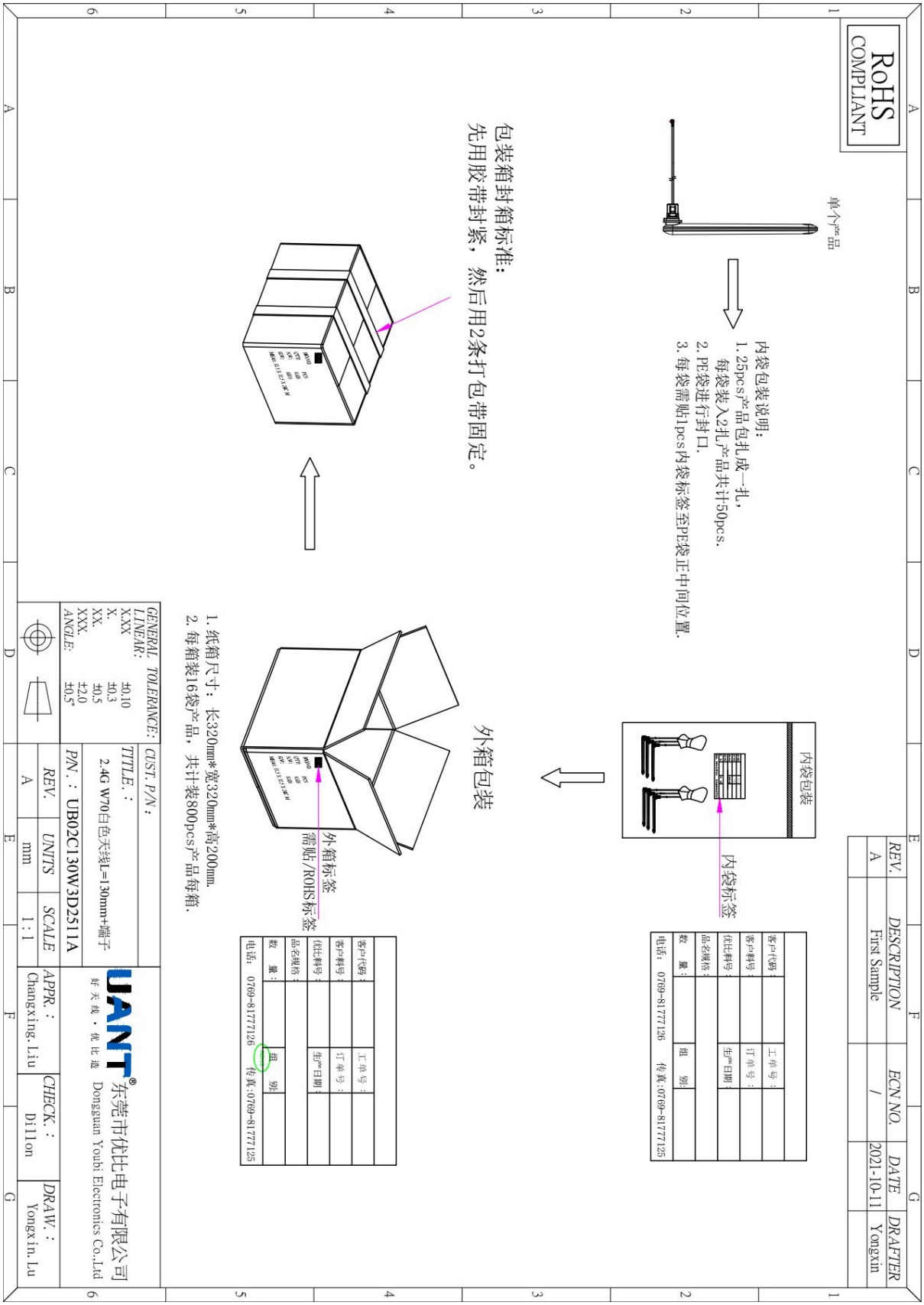


Theta 90 2D

6. Mechanical Specification:



7. Packaging


RoHS COMPLIANT
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. 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。
外箱包装
内袋包装
内袋标签
外箱标签
需贴/ROHS标签
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
客户料号
优比料号
品名规格
数 量:
电话: 0769-81777126
工单号:
订单号:
生产日期
组 别:
传真:0769-81777125
REV. DESCRIPTION ECN NO. DATE DRAFTER
A First Sample / 2021-10-11 Yongxin
GENERAL TOLERANCE:
LINEAR: X.XX ±0.10
X. ±0.3
XX. ±0.5
XXX. ±2.0
ANGLE: ±0.5°
CUST. P/N:
TITLE.: 2.4G W70白色天线L=130mm+端子
P/N.: UB02C130W3D2511A
REV. A
UNITS mm
SCALE 1:1
APPR.: Changxing. Liu
CHECK.: Dillon
DRAW.: Yongxin. Lu
UANT® 东莞市优比电子有限公司
好天线 · 优比造 Dongguan Youbi Electronics Co.,Ltd