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=120mm+端子

客 户 料 号

CUSTOMER　P/N:

优比电子料号

Youbi　P/N:　UB02C120W3D4916A　REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Lima	
APPROVED BY:	Changxing.Liu	
DATE:	2024/1/29	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2024-1-29

Content

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	12.9x104.9,L120	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	⩽ 2.0	
Polarization	Linear Polarization	
Gain	3.0±0.5	dBi
Efficiency	>50	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	-40℃~+85℃	
Storage Temp	-40℃~+65℃	

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

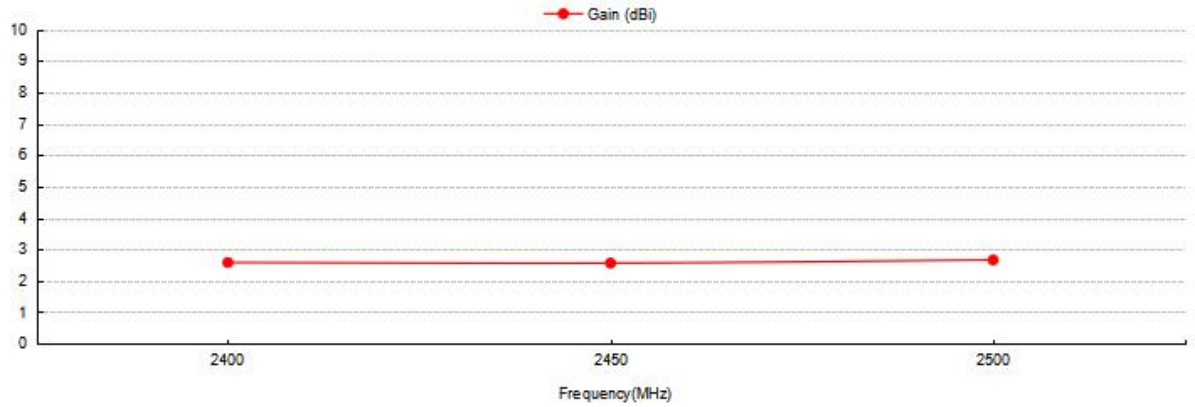
Frequency(MHz)	Return Loss (dB)	VSWR
2400	-12	1.67
2450	-16.57	1.34
2500	-34.03	1.04

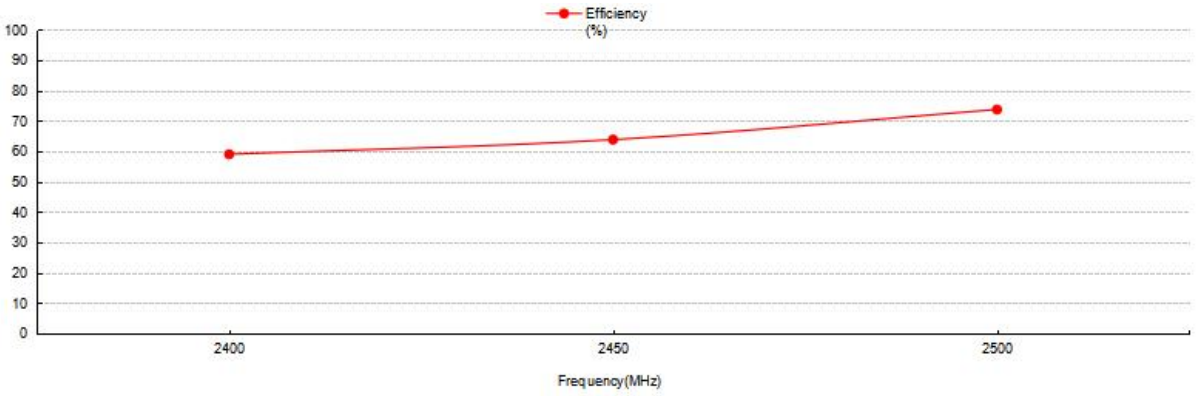
* Voltage Standing Wave Ratio(VSWR)

Return Loss(RL)

RL=20*log10[(VSWR+1)/(VSWR-1)

4. Efficiency and Gain

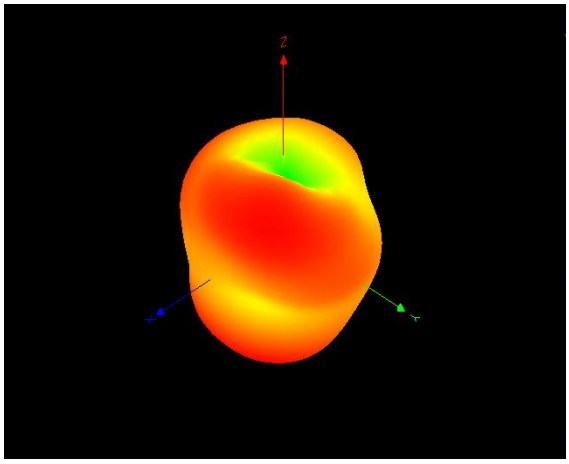




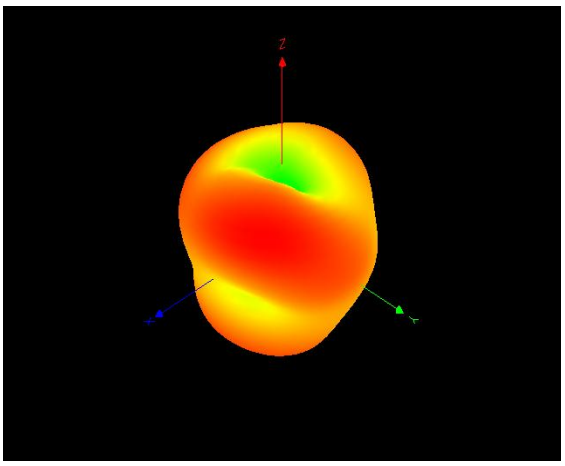
Frequency (MHz)	2400	2450	2500
Efficiency (%)	59.08	63.9	73.81
Gain (dBi)	2.58	2.56	2.66

5. Radiation Pattern

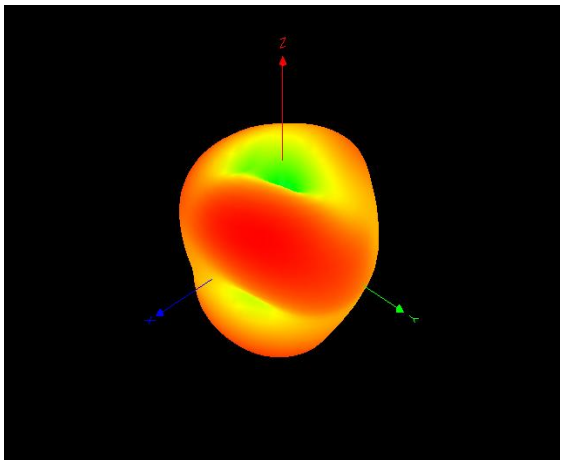
5-1 Antenna 3D Radiation Pattern



2400MHz

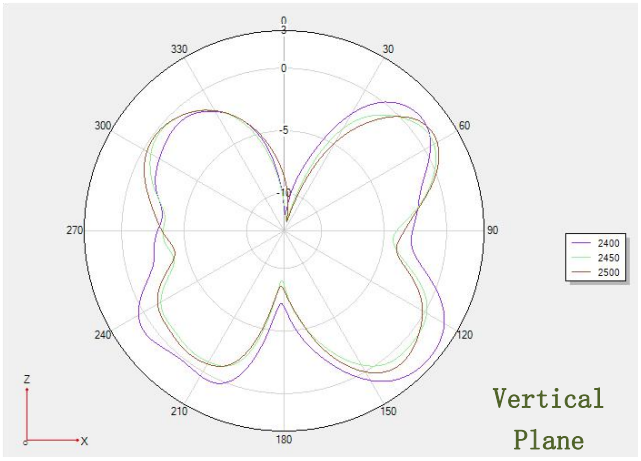


2450MHz

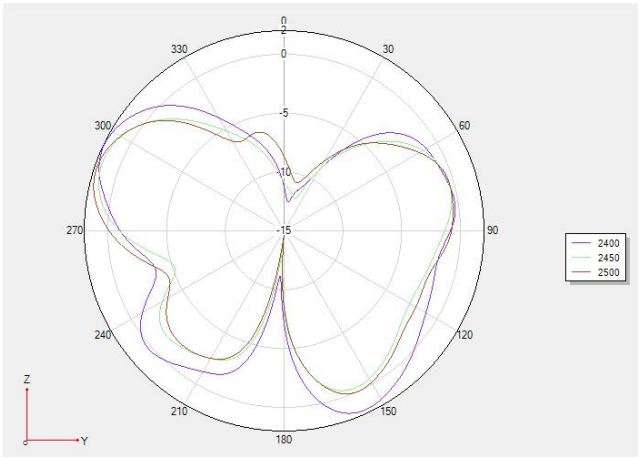


2500MHz

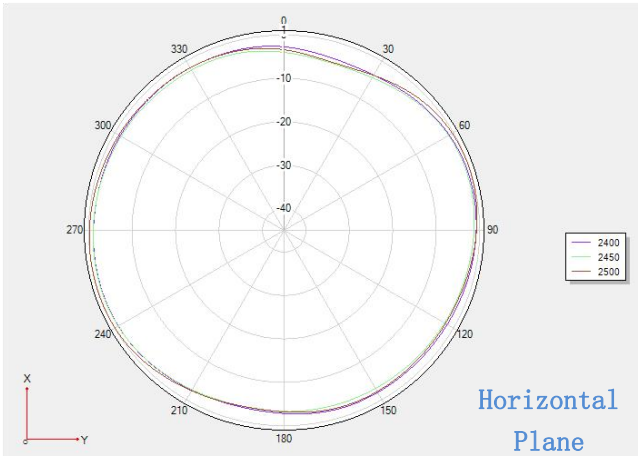
5-2 Antenna 2D Radiation Pattern



Phi 0 2D

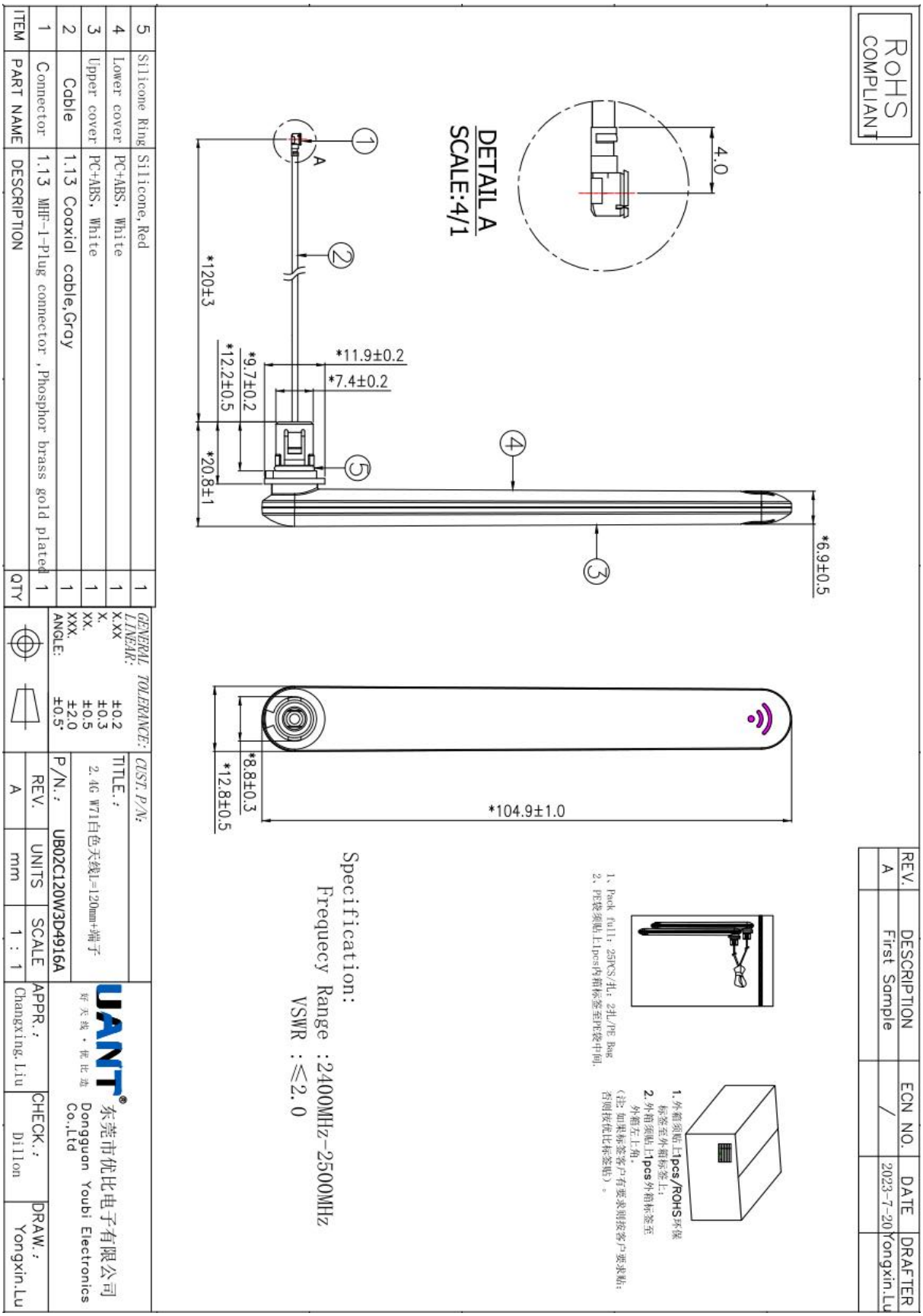


Phi 90 2D

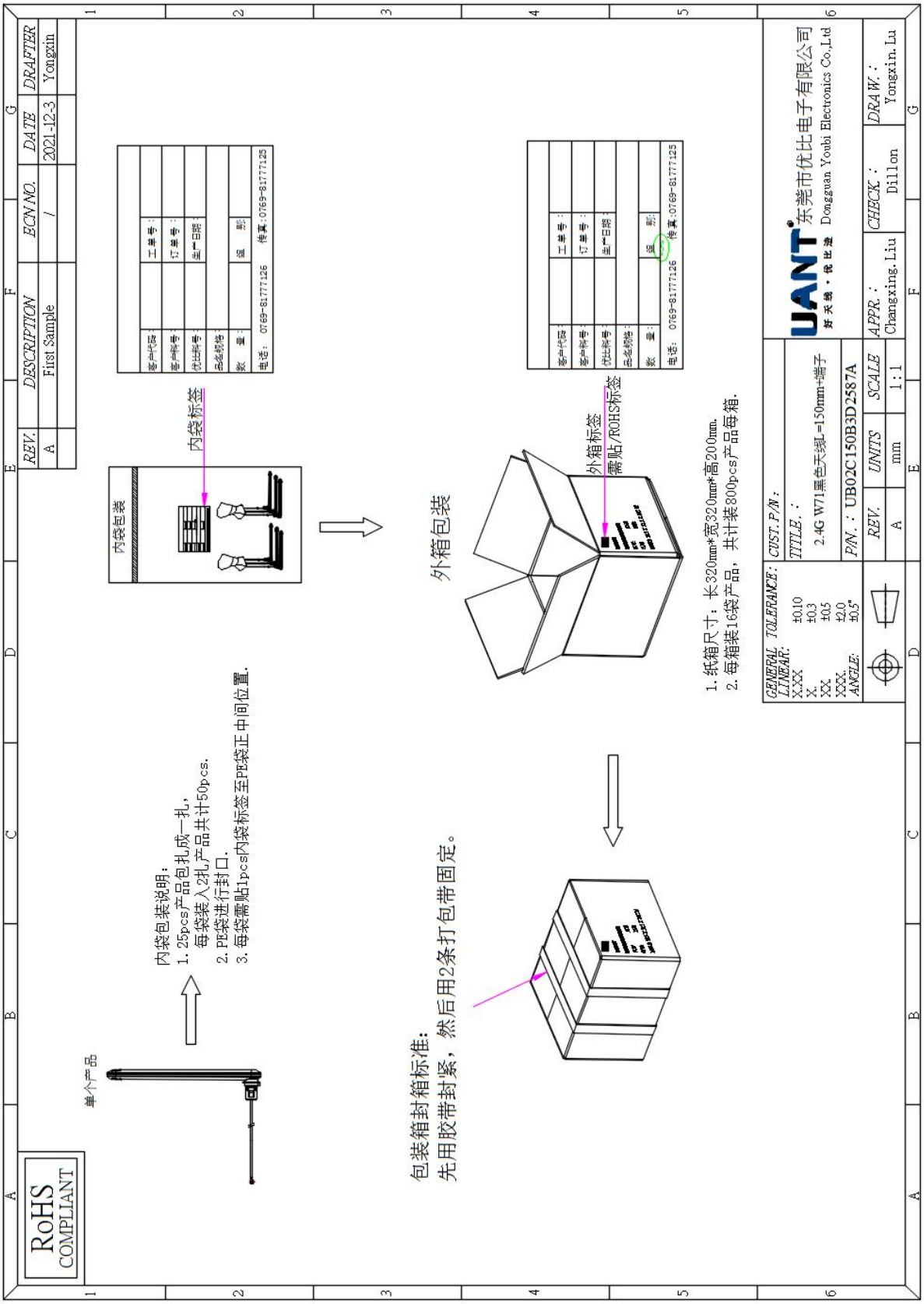


Theta 90 2D

6. Mechanical Specification:



7. Packaging


REV. DESCRIPTION ECN NO. DATE DRAFTER
A First Sample / 2021-12-3 Yongxin
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.
内袋包装
内袋标签
外箱包装
外箱标签
需贴/ROHS标签
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:
客户料号:
订单号:
优比料号:
生产日期:
品名规格:
数 量:
电话: 0769-81777126 传真:0769-81777125
GENERAL TOLERANCE:
LINEAR: XXX ±0.10, X. ±0.3, XX. ±0.5, XXX. ±2.0
ANGLE: ±0.5°
CUST.P/N:
TITLE.:
2.4G W71黑色天线L=150mm+端子
P/N.: UB02C150B3D2587A
REV. A
UNITS mm
SCALE 1:1
APPR.: Changxing.Liu
CHECK.: Dillon
DRAW.: Yongxin.Lu
东莞市优比电子有限公司
Dongguan Youbi Electronics Co.,Ltd