

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称 2.4G W16 杆套 W16 下固黑色天线 L=120mm+端子

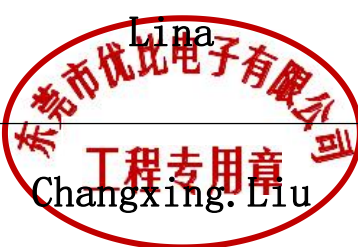
PRODUCT NAME:

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02C120B5Da768A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Lina 	
APPROVED BY:	Changxing. Liu	
DATE:	2024-5-27	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2024-5-27

Content

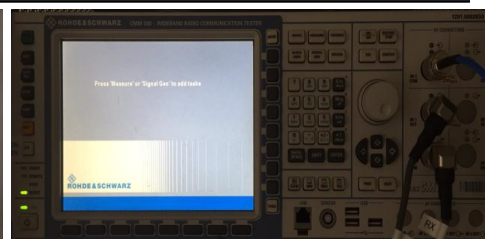
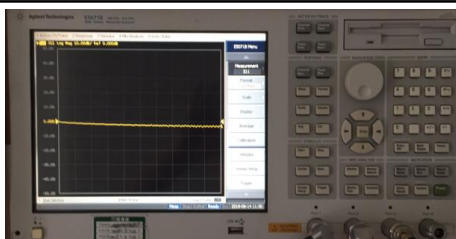
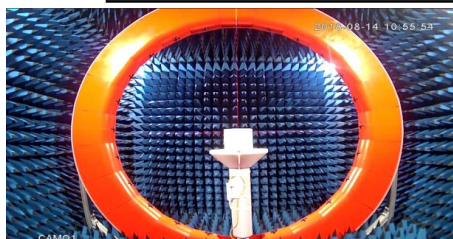
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	19.11x160.78,L120	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 1.92	
Polarization	Linear Polarization	
Gain	5.23	dBi
Efficiency	>40	%
Connector Type	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)



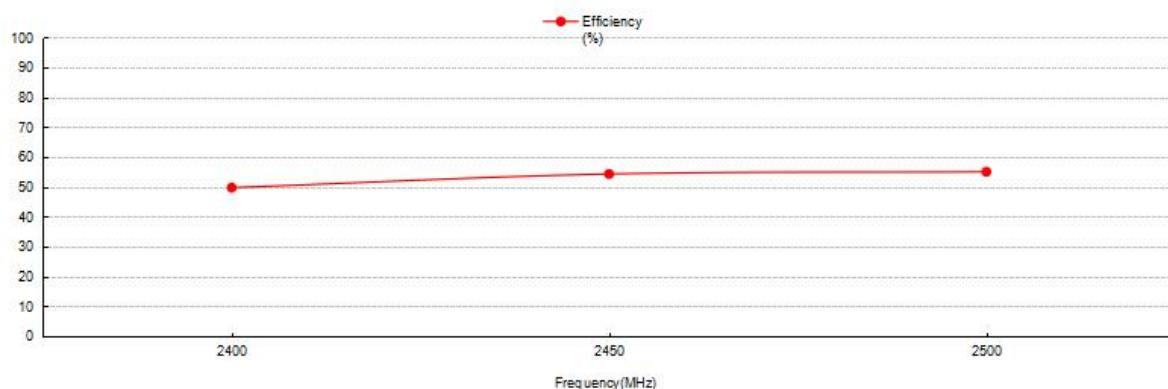
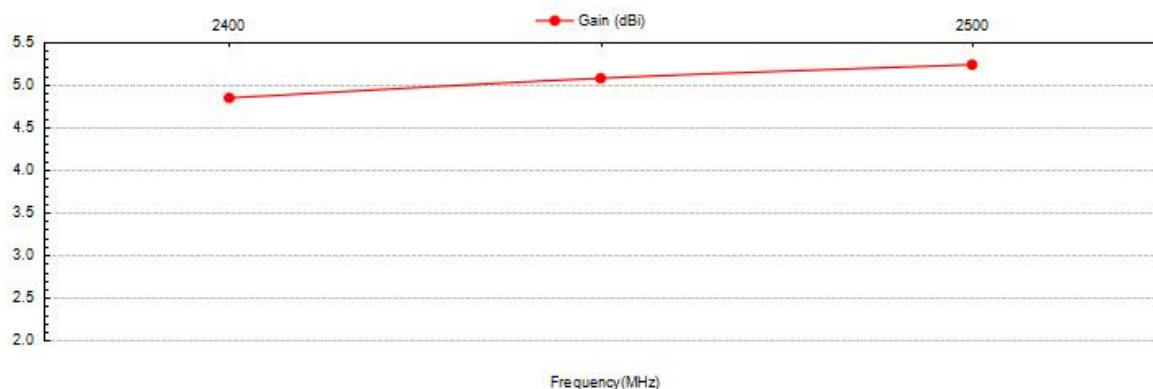
3. S Parameter

Frequency (MHz)	VSWR
2400	1.18
2450	1.28
2500	1.19



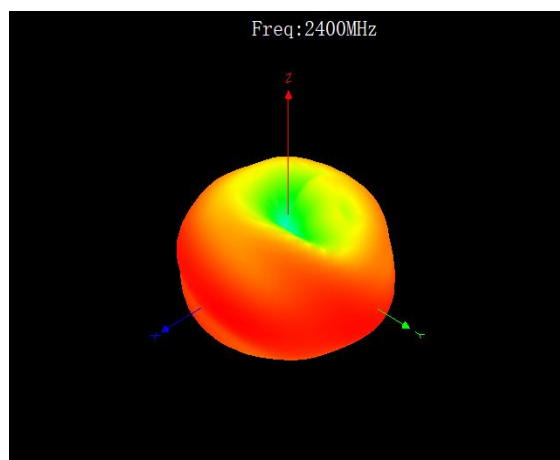
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	49.78	54.34	55.09
Gain (dBi)	4.84	5.07	5.23

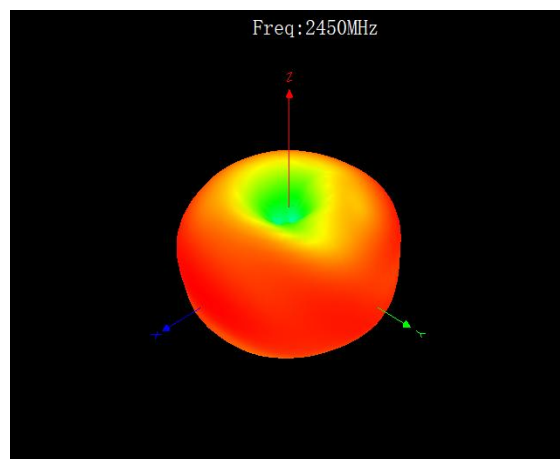


5. Radiation Pattern

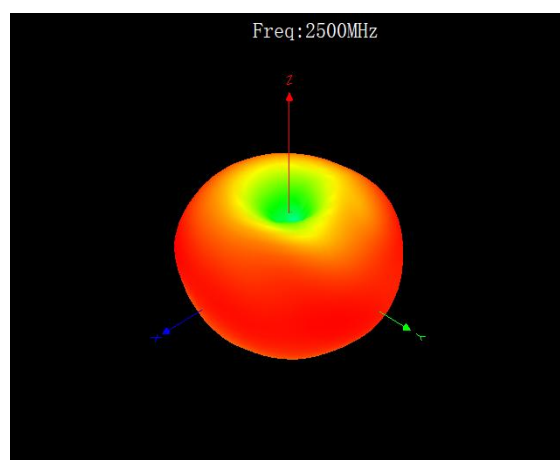
5-1 Antenna 3D Radiation Pattern



2400MHz

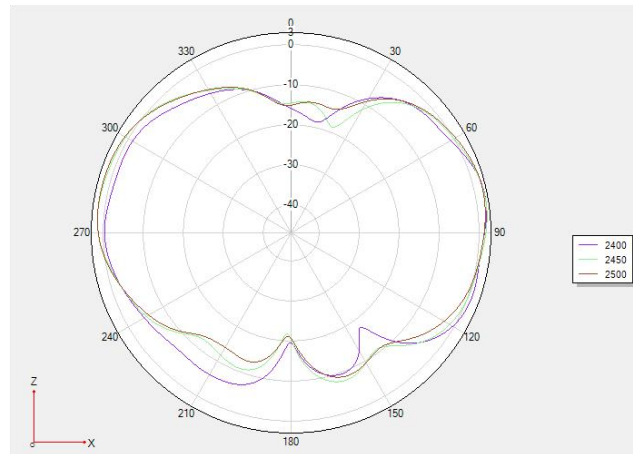


2450MHz

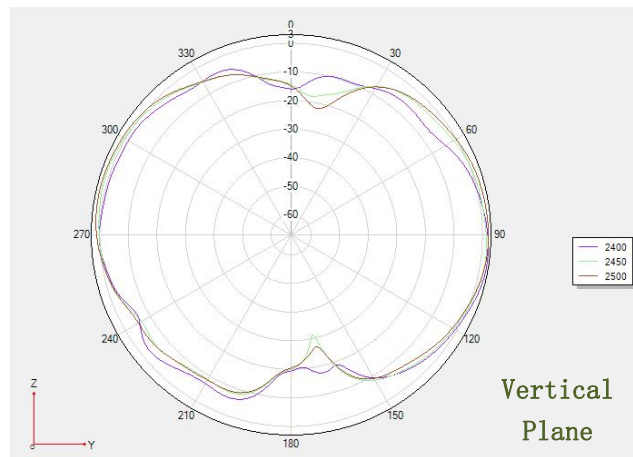


2500MHz

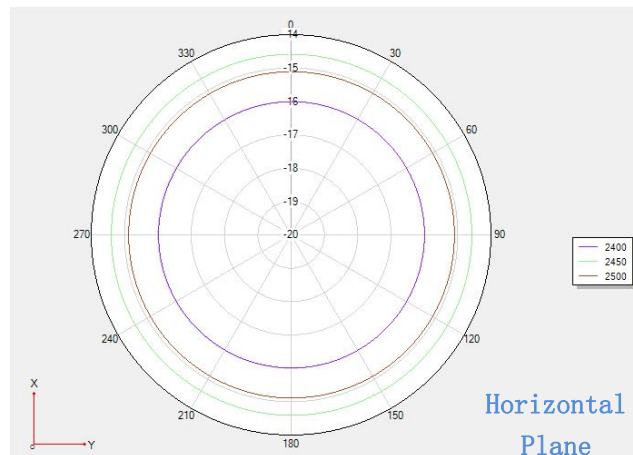
5-2 Antenna 2D Radiation Pattern



Phi 0 2D



Phi 90 2D



Theta 90 2D

6. Mechanical Specification:

ROHS COMPLIANT Specification: Frequency Range :2.4G VSWR :≤1.92		DETAIL A SCALE:4/1		REV. A First Sample		ECN NO. /		DATE 2023.4.30		DRAFTER Yongxin	
1, Pack full: 25PCS/扎; 2扎/PE Bag 2, PE袋须贴上1pcs内箱标签至PE袋中间。		1, 外箱须贴上1pcs/ROHS环保标签至外箱标签上; 2, 外箱须贴上1pcs外箱标签至外箱左上角。 (注: 如果标签客户有要求则按客户要求贴, 否则按优比标签贴)。		160.78±1 9.35±0.2 8.90±0.2 120±3 28.60±1		WIFI 辐射 19.11±0.5		2024.2.27 Yongxin		DESCRIPTION 杆套增加辐射	
ITEM PART NAME DESCRIPTION QTY		7 弹簧 EVA, 黑色 1		6 泡棉 ABS, 黑色 1		5 杆套 FR-4, 黑色 1		4 PCB PC+PBT, 黑色 1		3 固定座 1.13线材, 灰色 1	
1 端子 1.13端子, 镀铜镀金 1		GENERAL TOLERANCE: CUST. P/N: LINEAR: ±0.25 ±0.3 ±0.5 ±2.0 ANGLE: ±0.5°		TITLE: 2.4G WIFI杆套 W16下固黑色天线 L=120mm+端子 P/N: UB02C120B5Dq768A		REV. A mm SCALE 1 : 1		APPR.: Changxing. Liu		CHECK.: Dillon	
UANT[®] 东莞市优比电子有限公司 Dongguan Youbi Electronics Co.,Ltd		2023.4.30 Yongxin		2024.2.27 Yongxin		2023.4.30 Yongxin		2024.2.27 Yongxin		2023.4.30 Yongxin	