



好天线 · 优比造

东莞市优比电子有限公司

Dongguan Youbi Electronics Co., Ltd

承 认 书

APPROVAL SHEET

客户名称

Manufacturer NAME: Dongguan Youbi Electronics Co., LTD

产品名称

PRODUCT NAME: 2.4G 2dBi K02

客户料号

CUSTOMER P/N: UB02C200W2D2033A

优比电子料号

Youbi P/N: REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2022/3/4	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Sam	2022-3-4

Content

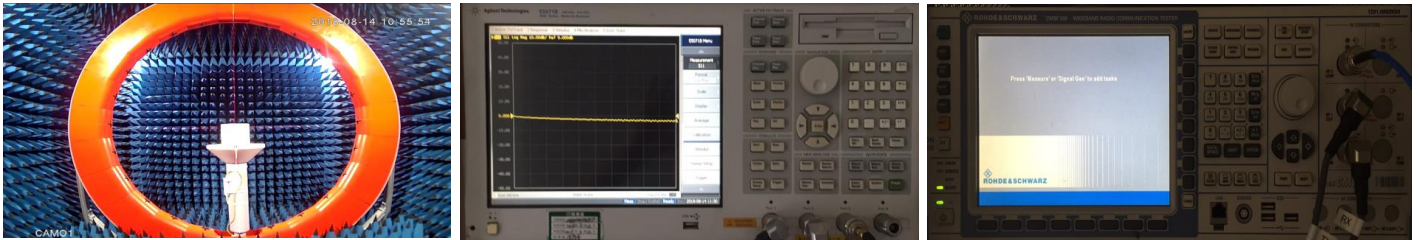
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification
7.-----	Packaging

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	100x11,L150	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 2.0	
Polarization	Linear Polarization	
Gain	2±0.5	dBi
Efficiency	>60	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	-20℃~+85℃	
Storage Temp	-20℃~+50℃	

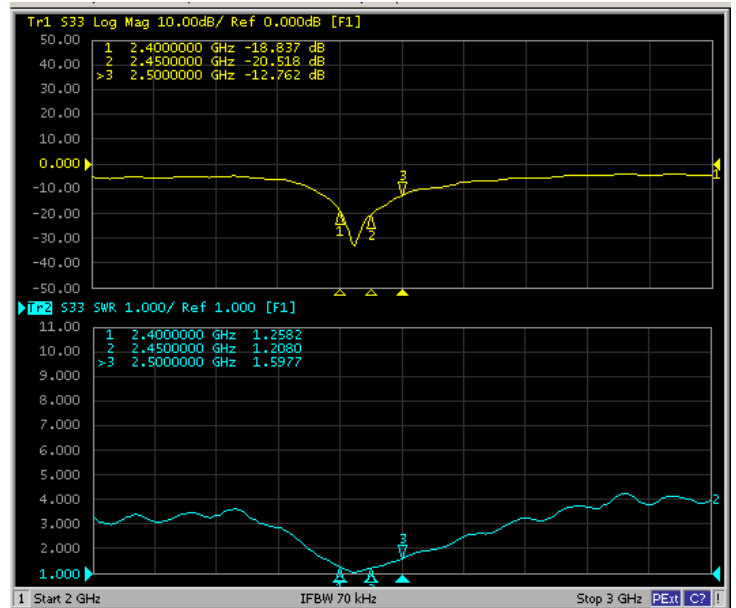
2. Test Items and Equipment

	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	-18.83	1.25
2450	-20.51	1.20
2500	-12.76	1.59



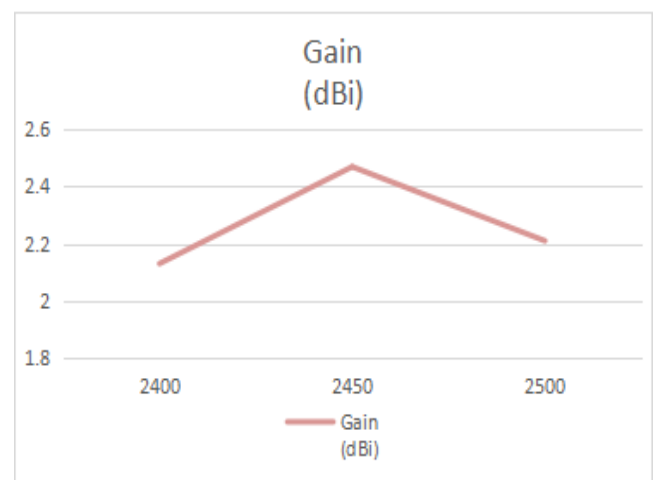
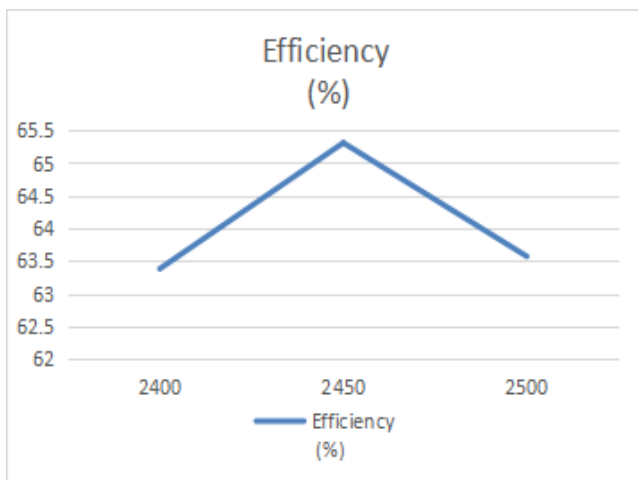
* Voltage Standing Wave Ratio(VSWR)

Return Loss(RL)

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

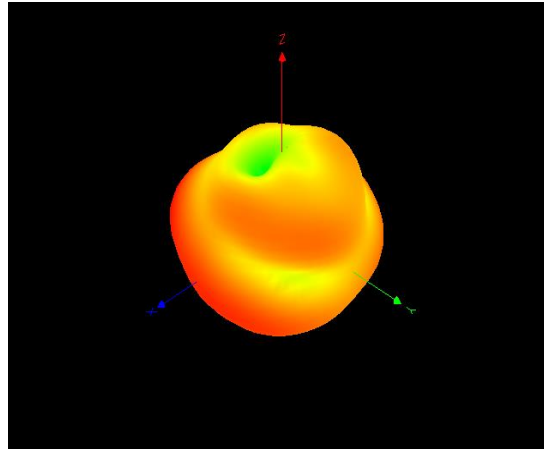
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	69.18	77.27	72.61
Gain (dBi)	2.13	2.47	2.21

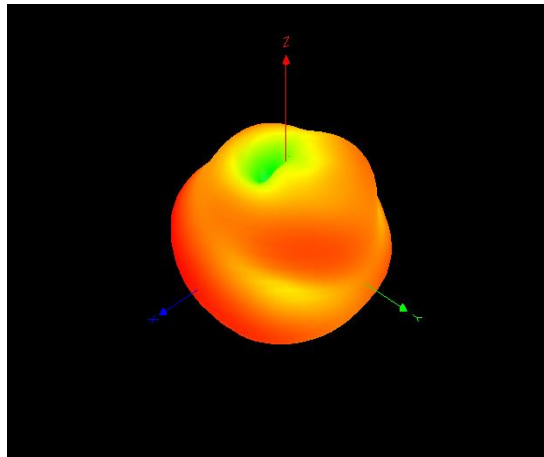


5. Radiation Pattern

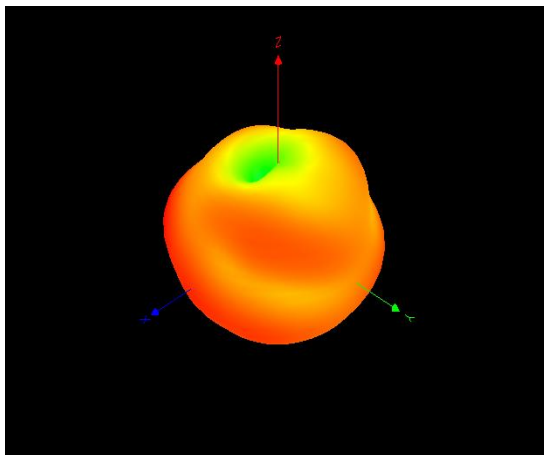
5-1 Antenna 3D Radiation Pattern



2400MHz

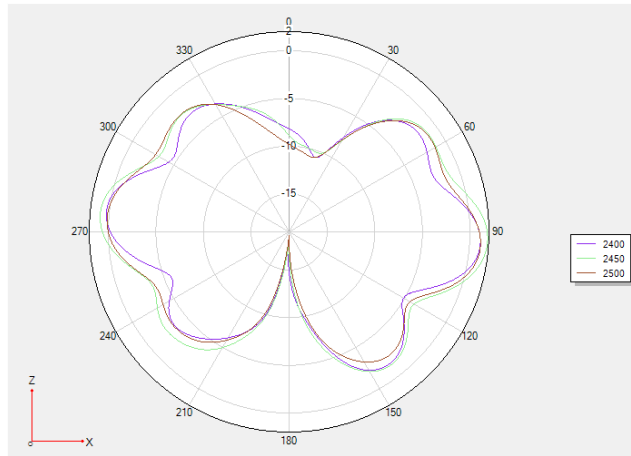


2450MHz

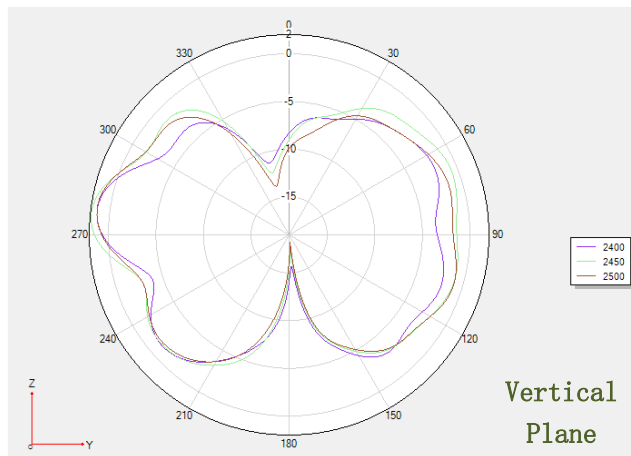


2500MHz

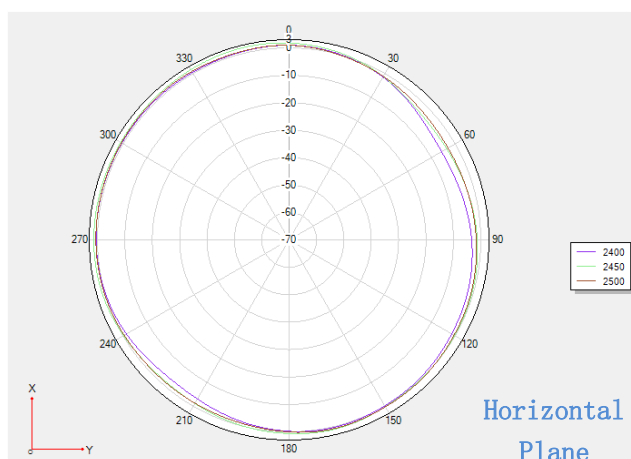
5-2 Antenna 2D Radiation Pattern



Phi 0 2D

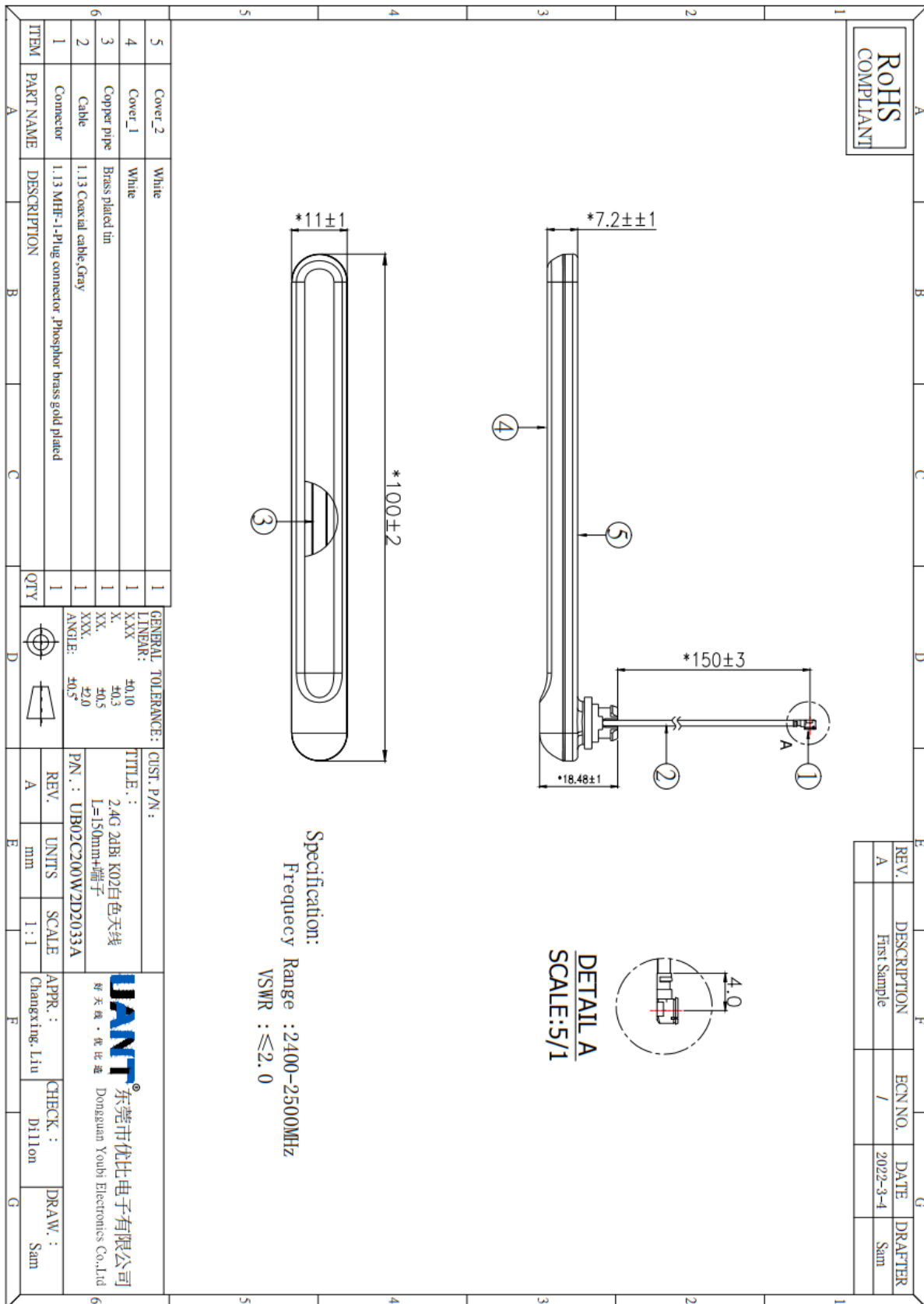


Phi 90 2D



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

1. 纸箱尺寸: 长325mm*宽325mm*高200mm.

2. 每箱装16袋产品, 共计装800pcs产品每箱.

需贴/ROHS标签

客户代码:	工单号:
客户料号:	订单号:
位址料号:	生产日期:
品名规格:	数量:
数量:	组别:

电话: 0769-81771256 传真: 0769-81771255

REV. A	DESCRIPTION First Sample	ECN NO. /	DATE 2022-3-4	DRAFTER Sam
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GENERAL TOLERANCE: Q1ST P/N:		TITLE: 2.4G 2dBi K02白色天线	
LINEAR: X,XXX	40.10	L=150mm+端子	
X,XX	40.3	P/N.: UB02C200W2D2033A	
XXX	40.5	REV. A	SCALE 1:1
XXX	42.0	UNITS mm	SCALE 1:1
ANGLE	40.5°	APPR. Changxing Liu	CHECK. Dillion
		DRAW. Sam	

客户代码:	工单号:
客户料号:	订单号:
位址料号:	生产日期:
品名规格:	数量:
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