

承 认 书

APPROVAL SHEET

客户名称

CUSTOMER NAME: 卓翼

产品名称 2.4G 圆形黑色转折短下固天线

PRODUCT NAME: L=30mm+端子

客户料号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02C30B5Da867A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2023-7-4	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2023-7-4



好天线 · 优比造

东莞市优比电子有限公司

Dongguan Youbi Electronics Co.,Ltd

Content

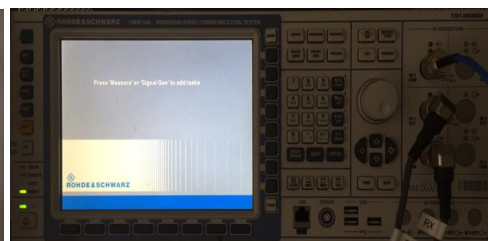
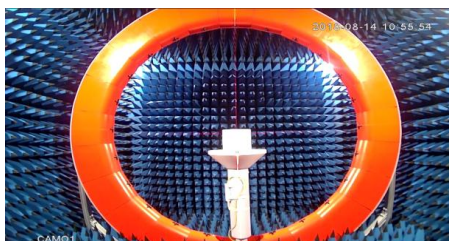
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Mechanical Specification

1. Electrical Specification

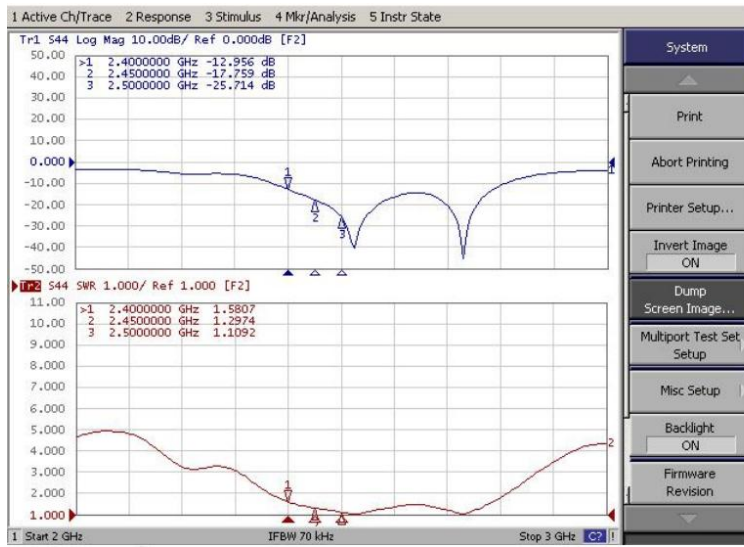
Characteristics	Specifications	Unit
Outline Dimensions	Ø13*210 L=30	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 2.0	
Polarization	Linear Polarization	
Gain	3.42	dBi
Efficiency	>70	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	-40℃~+85℃	
Storage Temp	-40℃~+85℃	

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)

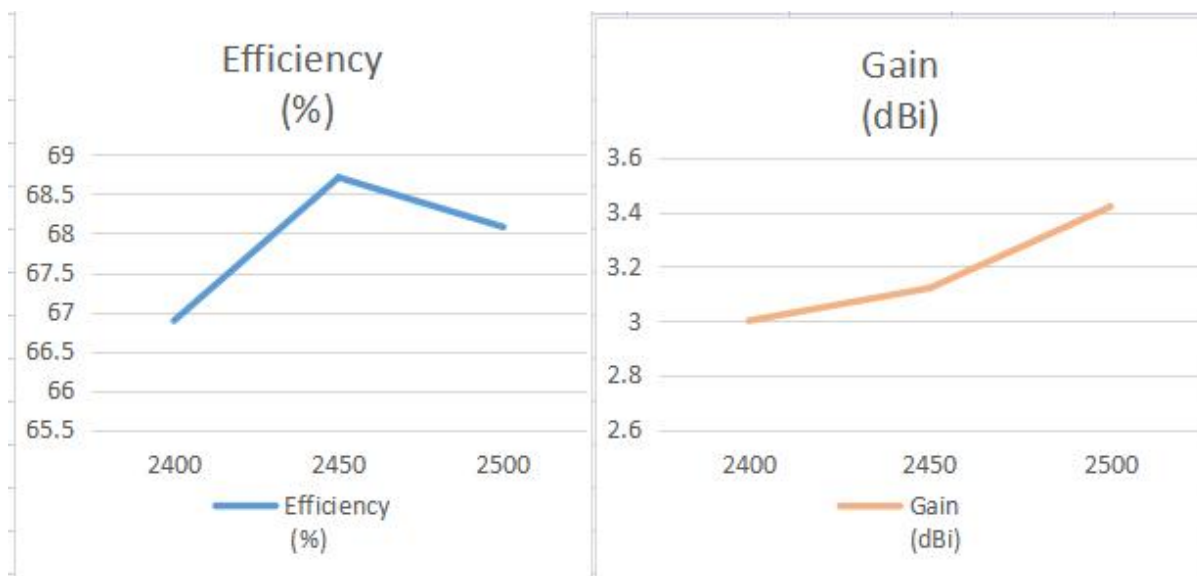


3. S Parameter



Frequency (M Hz)	Return Loss (dB)	VSWR
2400	-12.95	1.58
2450	-17.75	1.29
2500	-25.71	1.10

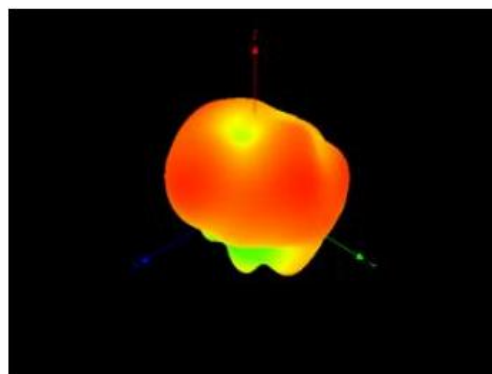
4. Efficiency and Gain



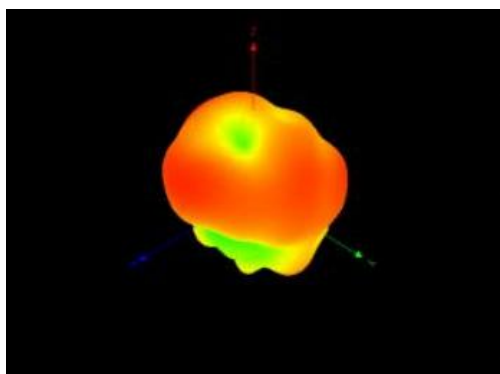
Frequency (MHz)	2400	2450	2500
Efficiency (%)	66.89	68.71	68.08
Gain (dBi)	3	3.12	3.42

5. Radiation Pattern

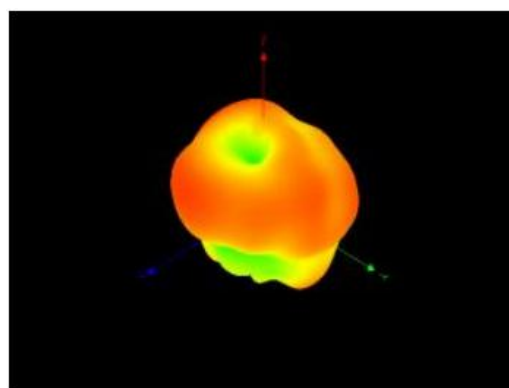
5-1 Antenna 3D Radiation Pattern



2400

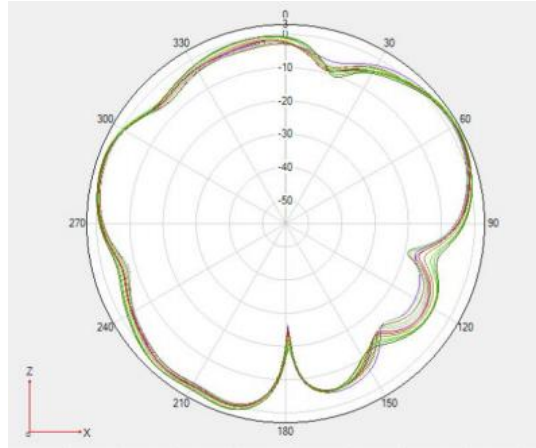


2450

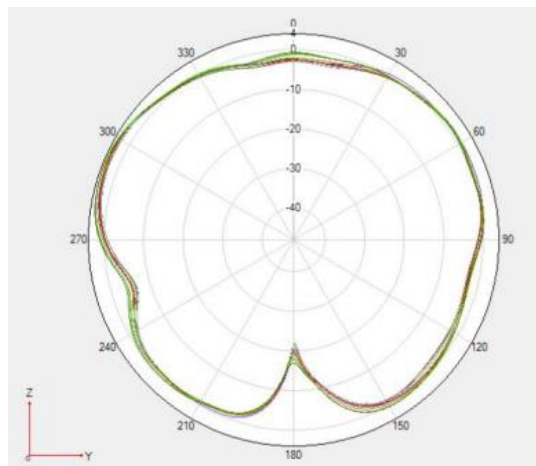


2500

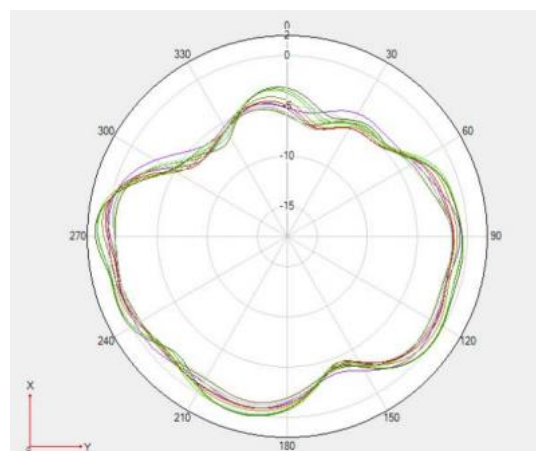
5-2 Antenna 2D Radiation Pattern



Phi 0 2D 图



Phi 90 2D 图



Theta 90 2D 图

5. Antenna active data

Item	Measurement	Azimuths	Elevations	Standard	Band	Channel	Frequency	Max	Min	Total
1	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	1	2412	17.95	-1.46	14.52
2	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	7	2442	17.67	1.33	14.55
3	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	13	2472	17.87	1.7	14.13
4	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	1	2412	-56.6	-75.88	-72.06
5	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	7	2442	-59.4	-75.73	-72.42
6	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_G (54M)	13	2472	-58.03	-75.87	-72.5

7. Mechanical Specification

ROHS

1. Back End: 28PCS/批, 2孔/座 Bag
2. 座接端贴上1pcs内前标签至壳体中间.

1. 外前颈贴上1pcs/ROHS环保标签至外前标签上;
2. 外前颈贴上1pcs外前标签至外前左上角.
(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).

Specification:
Frequency Range : 2400~2500MHz
Return Loss: -10dB or less

ALL	±A.0	核准
XL	±A.0	审核
X	±1.0	
.X	±0.5	
.XX	±0.2	制图
		Mark

客户料号:	客户名称:
产品名称: 2.4G 圆形垂直极化天线	版本: A
优比料号: UB02C30B5D0867A	单位: mm
	比例: 1:1
	大小: A4
	页码: 1/1

9	胶水	PCS	AB胶
8	铆钉	4 PCS	POM; 黑色
7	杆套	1 PCS	TPPE 黑色
6	PCB板	1 PCS	FR-4; PCB
5	上固定座	1 PCS	PC/PC+PBT; 黑色
4	转折固定座	1 PCS	PC+PBT; 黑色
3	下固定座	1 PCS	PC/PC+PBT; 黑色
2	线材	1 PCS	φ1.13mm 灰色线材
1	端子	1 PCS	1.13. 镀金
	序号		名称
	客户料号:		用量
	客户名称:		单位
	产品名称:		规格描述
	优比料号:		

版本	日期	变更内容
A	2023.06.20	新发行

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