

样品承认书

SAMPLE APPROVED SHEET

供应商 (Supplier) : 东莞市优比电子有限公司 (MKYBV063A)
品名 (Product Name) : WIFI 内置天线
规格 (Specification) : UB01C123PID2268A
料号 (Material Code) : A86020020

复核 (Rechecker By)			承认担当 (Signed By)
		2021.11.10	黄小东





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

CUSTOMER NAME: 熵基科技股份有限公司

产 品 名 称

PRODUCT NAME: 2.4/5.8G FPC 内置天线 L=123mm+端子

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01C123P1D2268A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	 Longxin	
APPROVED BY:	Changxing.Liu	
DATE:	2021/08/27	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Yongxin. Lu	2021-08-27

Content

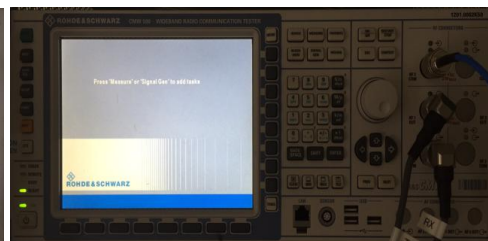
<i>Item</i>	<i>Description</i>
1.-----	Electrical Specification
2.-----	Test Items and Equipment
3.-----	S Parameter
4.-----	Efficiency and Gain
5.-----	Radiation Pattern
6.-----	Antenna installation diagram
7.-----	Mechanical Specification
8.-----	Packaging

1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	11.9x32.2,L123	mm
Frequency	2400-2500;5150-5850	MHz
Impedance	50	Ω
Return Loss	-10 MAX	dB
Polarization	Linear Polarization	
Gain	2.0 REF	dBi
Efficiency	>30	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	-20℃~+70℃	
Storage Temp	-20℃~+50℃	

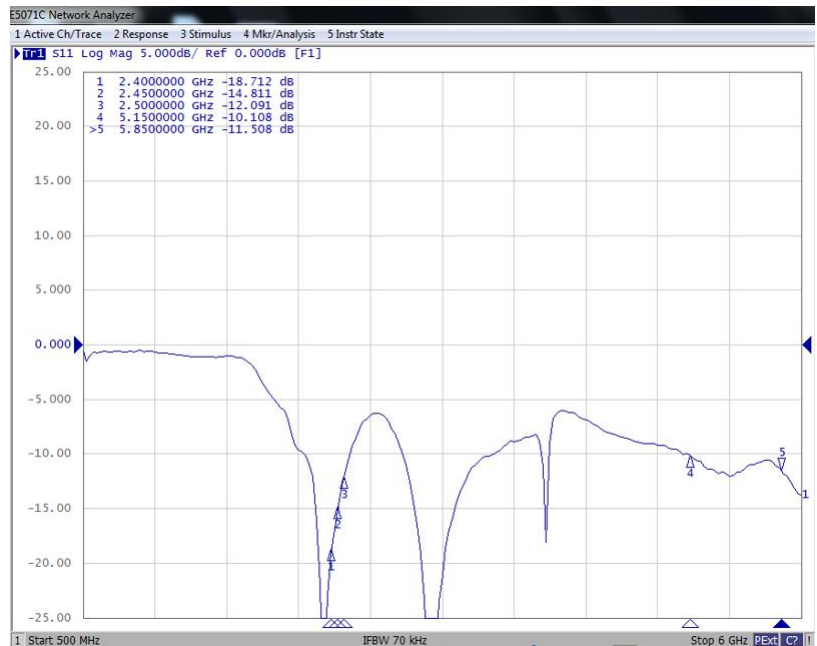
2.Test Items and Equipment

	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

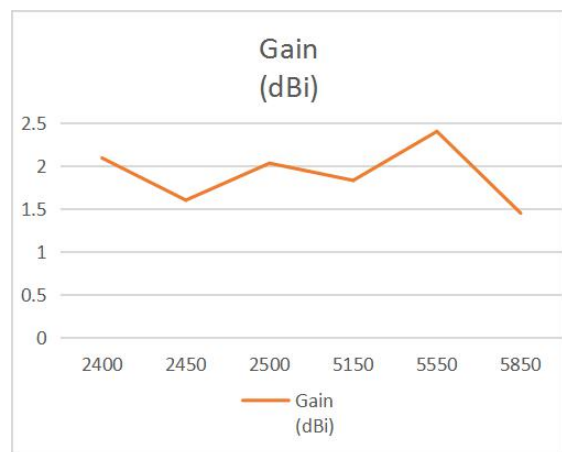
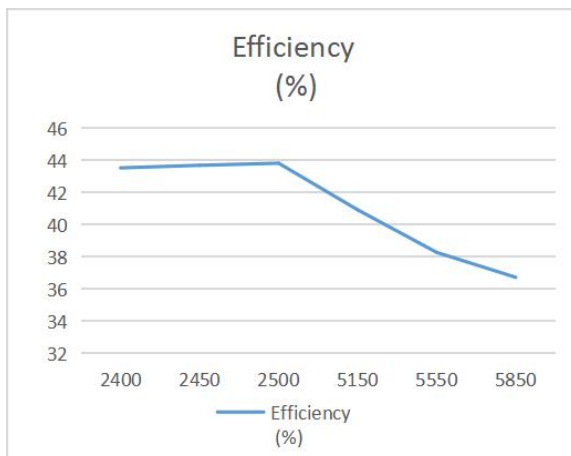
Frequency (MHz)	Return Loss (dB)
2400	-18.71
2450	-14.81
2500	-12.09
5150	-10.10
5850	-11.50



* Voltage Standing Wave Ratio(VSWR)
Return Loss(RL)
 $RL=20*\log_{10}[(VSWR+1)/(VSWR-1)]$

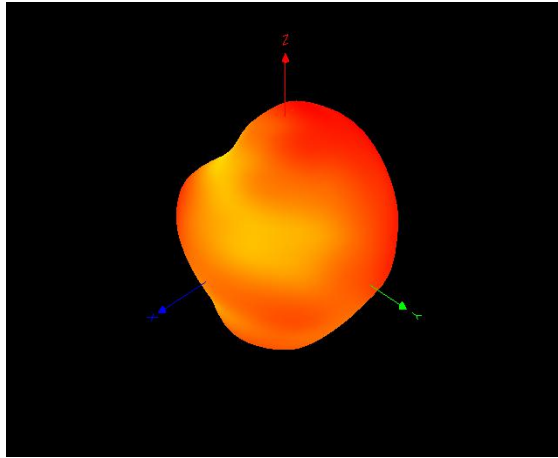
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500	5150	5550	5850
Efficiency (%)	43.54	43.7	43.83	40.93	38.28	36.73
Gain (dBi)	2.09	1.6	2.03	1.83	2.4	1.45

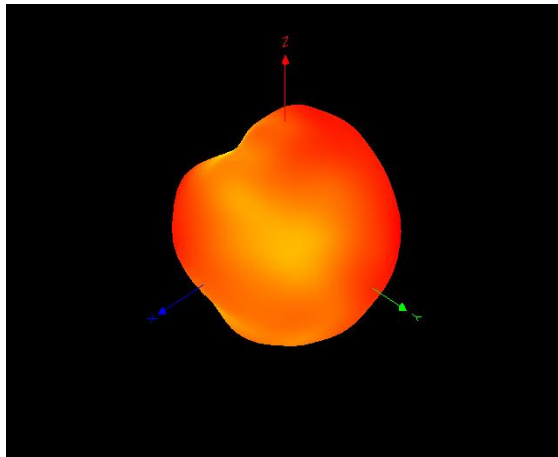


5. Radiation Pattern

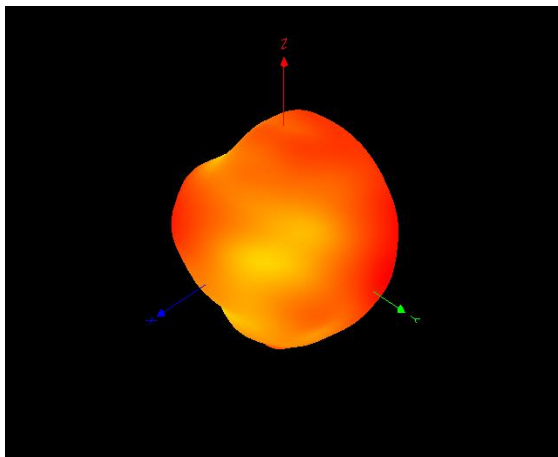
5-1 Antenna 3D Radiation Pattern



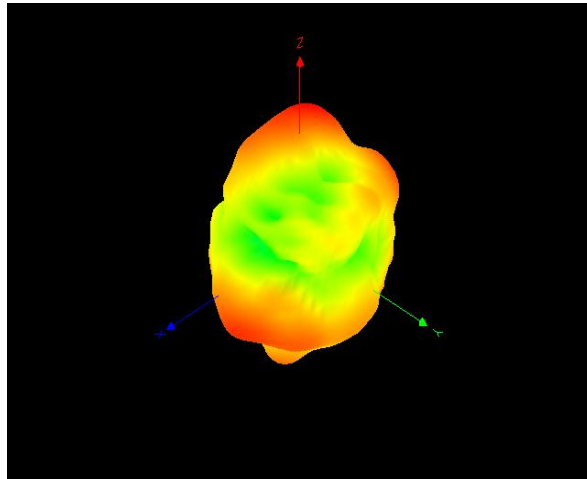
2400MHz



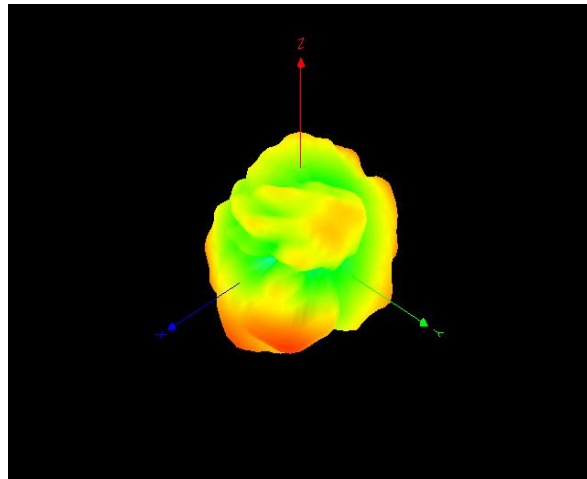
2450MHz



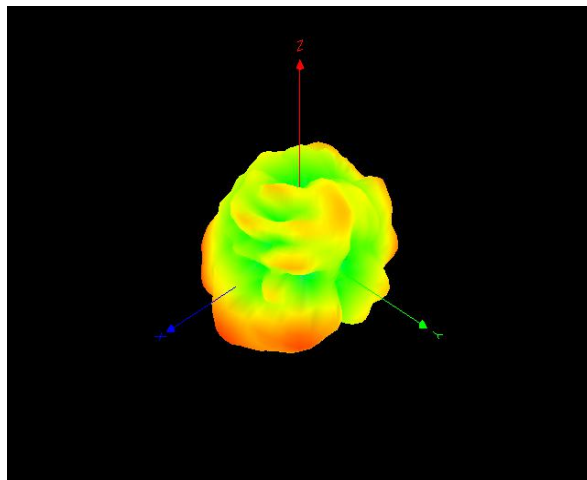
2500MHz



5150MHz

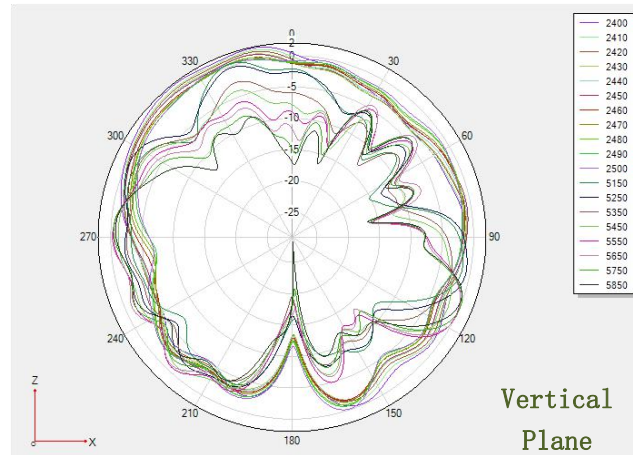


5550MHz

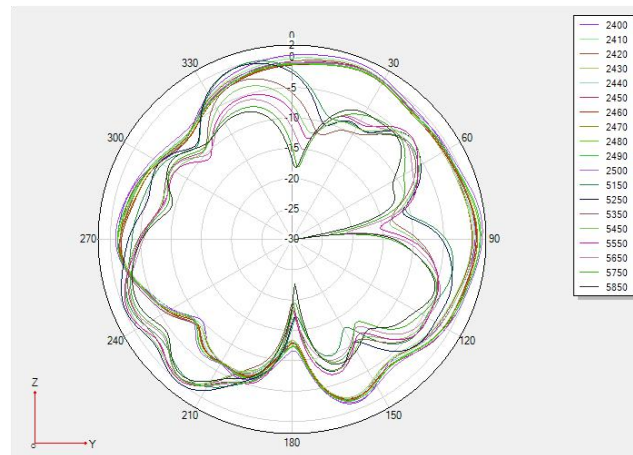


5850MHz

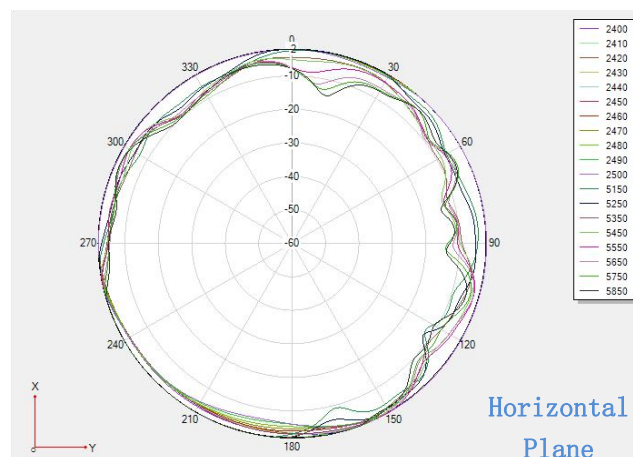
5-2 Antenna 2D Radiation Pattern



Phi 0 2D



Phi 90 2D



Theta 90 2D

6. Antenna installation diagram:



RoHS COMPLIANT

The connector port direction is arbitrary

① ② ③

111 ± 3

32.2 ± 0.3

22.2 ± 0.3

UANT® 20B02699A

Specification (Antenna complete machine test) :

Frequency Rang:2400-2500MHz ;5150-5850MHz

Return Loss:-10dB Max

Gain:2 dBi REF

未使用特定化合物声明

兹有我司东莞市优比电子有限公司，应熵基科技股份有限公司要求，
我司所交货物物料符合 ROHS 2.0 标准，特此声明我司所交物料符合 ROHS 2.0
标准，如有不符合项我司愿意承担一切责任：

欧盟 ROHS 2.0 法规及其豁免条列

铅 (Pb)	1000PPM
镉 (Cd)	100PPM
汞 (Hg)	1000PPM
六价铬 (Cr6+)	1000PPM
多溴联苯 (PBBs)	1000PPM
多溴联苯醚 (PBDEs)	1000PPM
邻苯二甲酸二 (2-乙基己基) 酯 (DEHP)	1000PPM
邻苯二甲酸甲苯基丁酯 (BBP)	1000PPM
邻苯二甲酸二丁基酯 (DBP)	1000PPM
邻苯二甲酸二异丁酯 (DIBP)	1000PPM

公司总经理签字及公司盖章：

日 期：