

承 认 书

SPECIFICATION FOR APPROVAL

CUSTOMER NAME:

PRODUCT NAME: 2.4G Internal Antenna

CUSTOMER P/N:

Ubi electronic part number

UB P/N: UB01NJ3D647A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Victor	
APPROVED BY:		
DATE:	2021/4/28	

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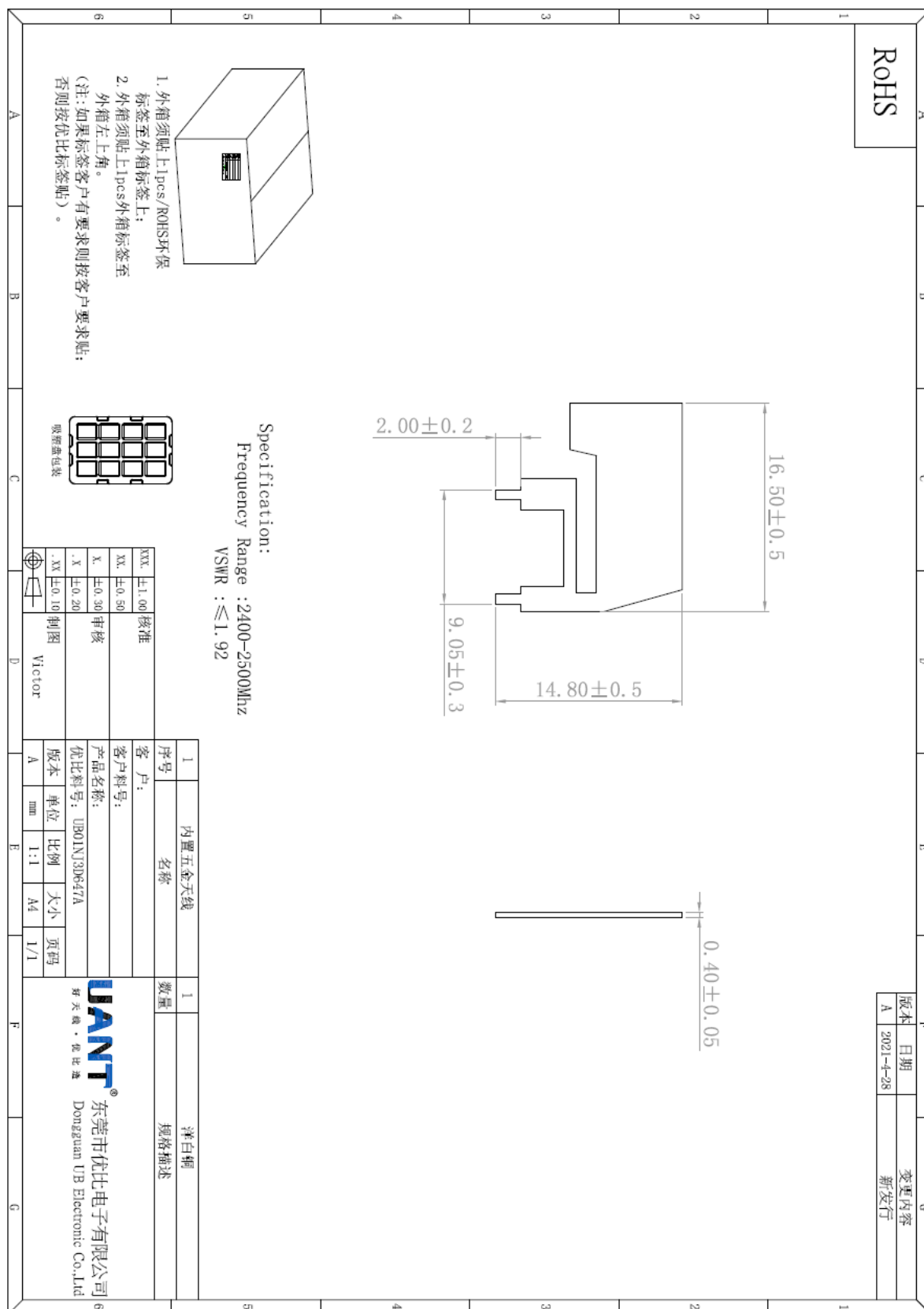
1. Specification Table:

Main technical parameters of the product

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
特性阻抗(Ω)	50	Impedance(Ω)	50
峰值增益(dBi)	≤3	Peak Gain(dBi)	≤3
输出电压 驻波比	≤1.92	VSWR	≤1.92
极化方式	线极化	Polarization	Linear
连接方式	DIP	Connector Type	DIP
物理性能		Physical Properties	
天线本体材料	五金	Antenna Base	Hardware
工作温度	-20℃~+50℃	Operating Temp	-20℃~+50℃
保存温度	-20℃~+50℃	Storage Temp	-20℃~+50℃

东莞地址：东莞市塘厦镇林村社区新太阳工业城 79 栋
杭州地址：杭州市滨江区秋溢路 500 号乐通科技园 3 栋 106 室
电话：0769-81777126
传真：0769-81777126
网址：www.ubuant.com

2. Finished product:



东莞地址: 东莞市塘厦镇林村社区新太阳工业城 79 栋

杭州地址: 杭州市滨江区秋溢路 500 号乐通科技园 3 栋 106 室

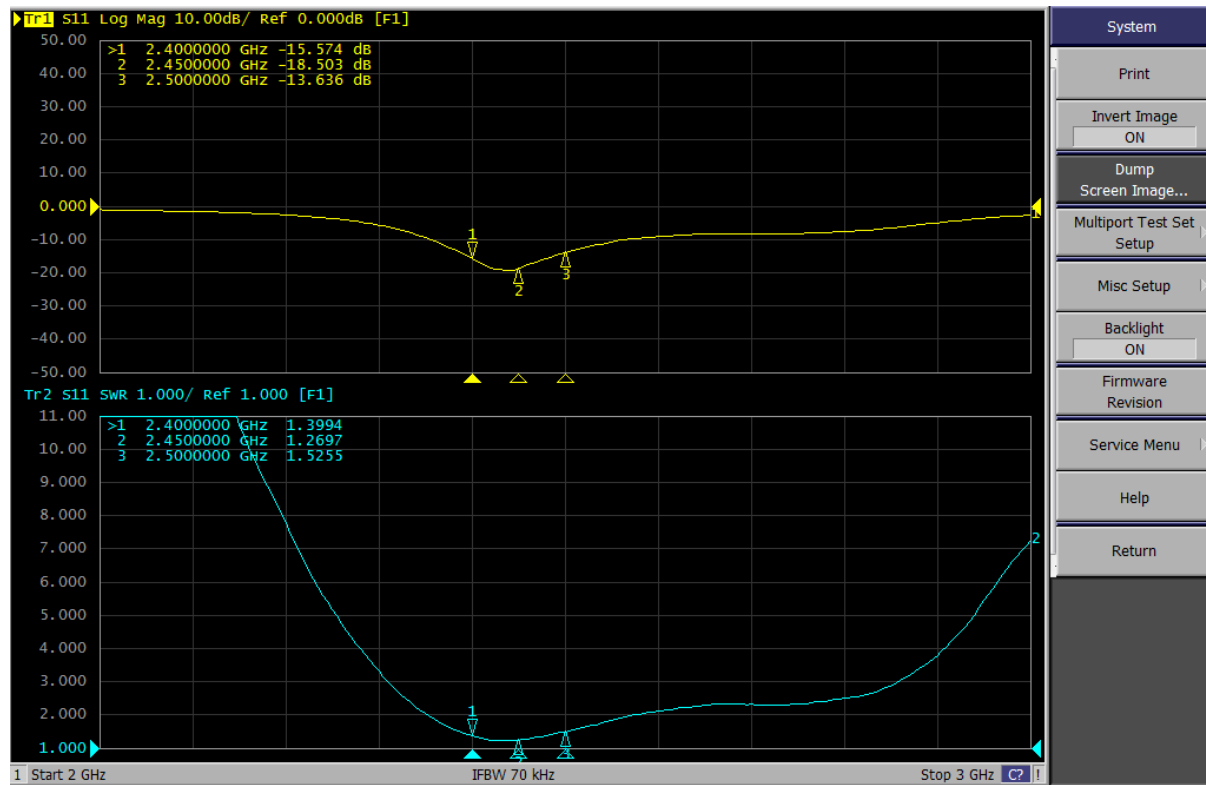
电话: 0769-81777126

传真: 0769-81777126

网址: www.ubuant.com

3. testing report

3.1: Network Analyzer Test Report



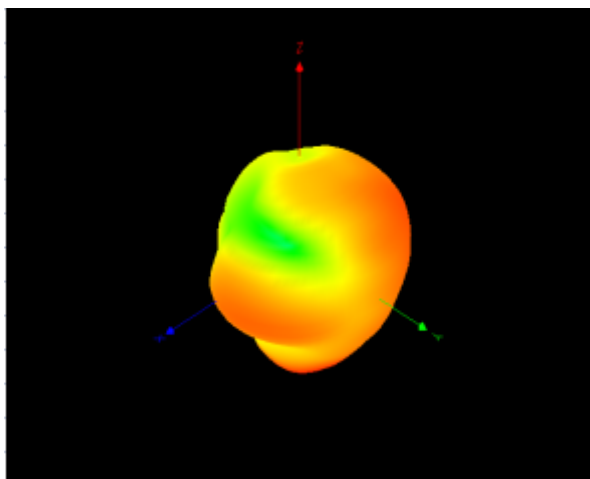
东莞地址：东莞市塘厦镇林村社区新太阳工业城 79 栋
杭州地址：杭州市滨江区秋溢路 500 号乐通科技园 3 栋 106 室
电话：0769-81777126
传真：0769-81777126
网址：www.ubuant.com

3.2: darkroom2D、3DRaditation Pattern(Machine data)

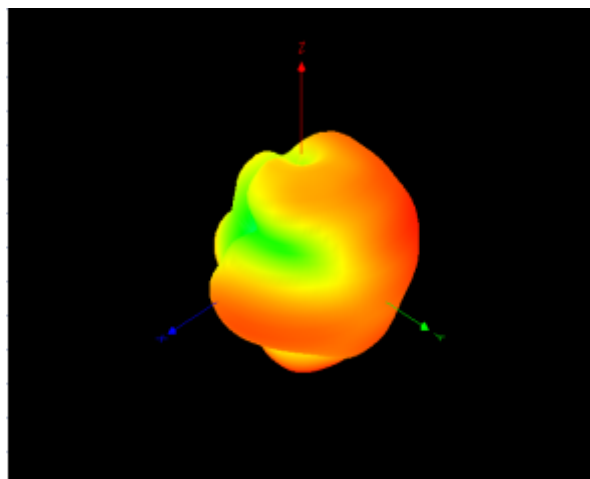
3.2.1 Efficiency and Gain

Frequency (MHz)	Efficiency (%)	Peak Gain / dB
2400	50.6	2.57
2450	54.2	2.85
2500	52.8	2.63

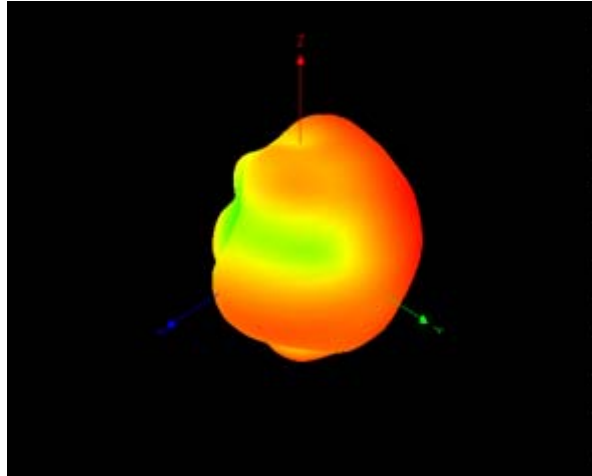
3.2.2 2D/3D Field map



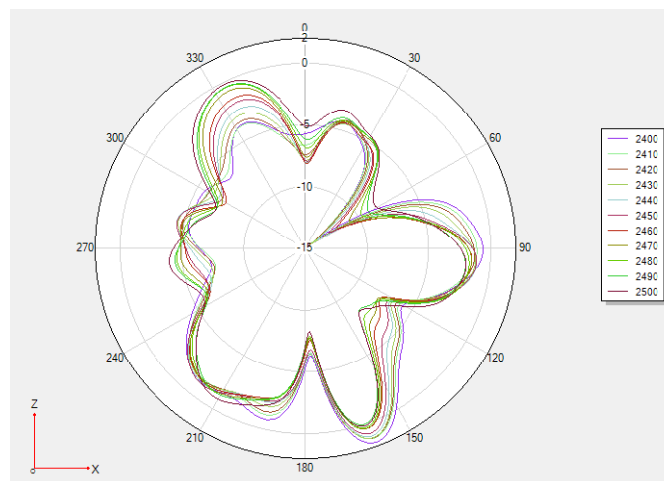
2400MHz



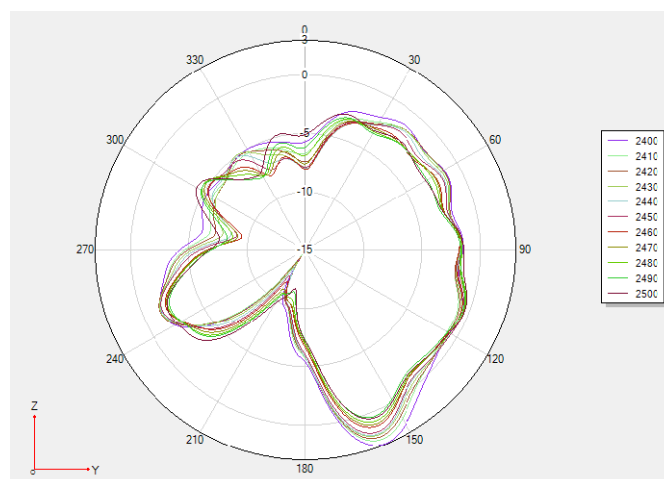
2450MHz



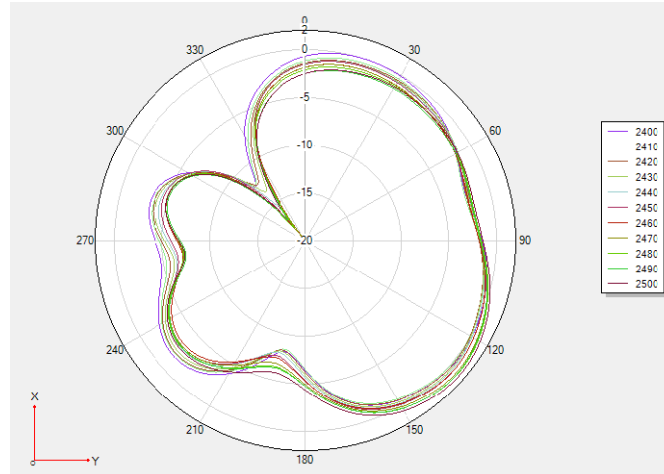
2500MHz



Phi 0 2D



Phi 90 2D

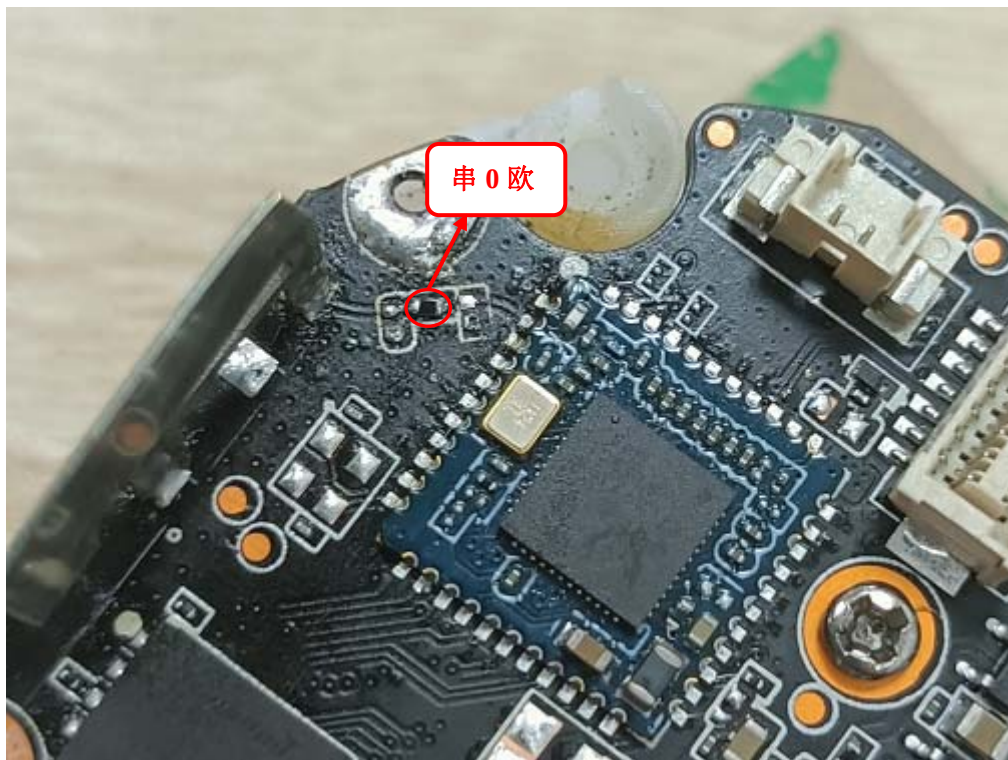


Theta 90 2D

3.3: Active test report

Item	Measurement	Azimuths	Elevations	Standard	Band	Channel	Frequency	Max	Min	Total
1	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	1	2412	17.87	-13.22	14.27
2	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	6	2437	18.15	-11.13	14.59
3	TRP	Every30	Every30	WIFI (AP)	WIFI_B (11M)	11	2462	17.95	-9.51	14.41
4	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	1	2412	85.59	44.38	80.52
5	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	6	2437	86.6	49.13	81.26
6	TIS(EIRP)	Every30	Every30	WIFI (AP)	WIFI_B (11M)	11	2462	85.62	46.52	80.89

4. Antenna Installation Diagram





Schematic diagram of the whole machine