



Shenzhen DEWEIMA Communication Equipment Co.Ltd

SPECIFICATION SHEET FOR APPROVAL

CUSTOMER NAME	Siweipu
CUSTOMER P/N	A-RID Independent beacon
PART NAME	2.4G antenna
Material code	
APPROVAL REV.	DWM-V1.0

CONTRACTOR			DATE: 2024-01-16
QA CHECKED	MR CHECKED	RF CHECKED	MANAGER CHECKED
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CUSTOMER		DATE:
Approved By	Checked By	Prepared By

TEL: 13603094246

Content

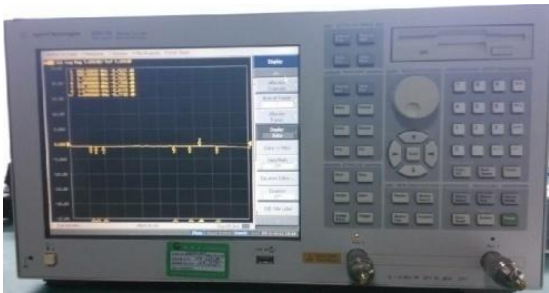
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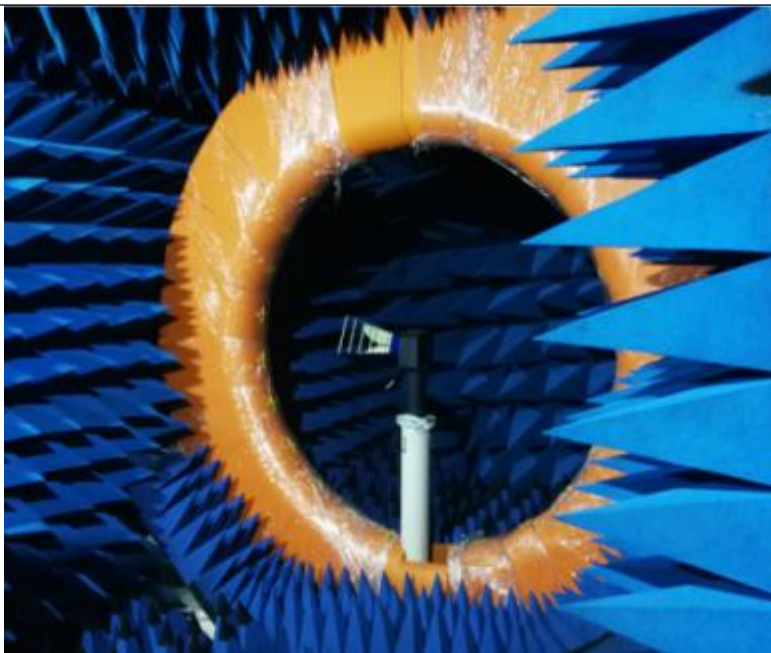
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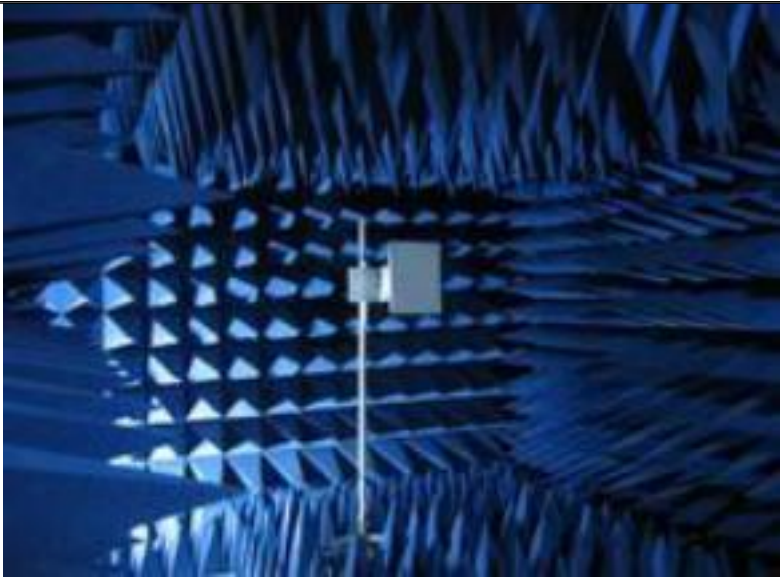
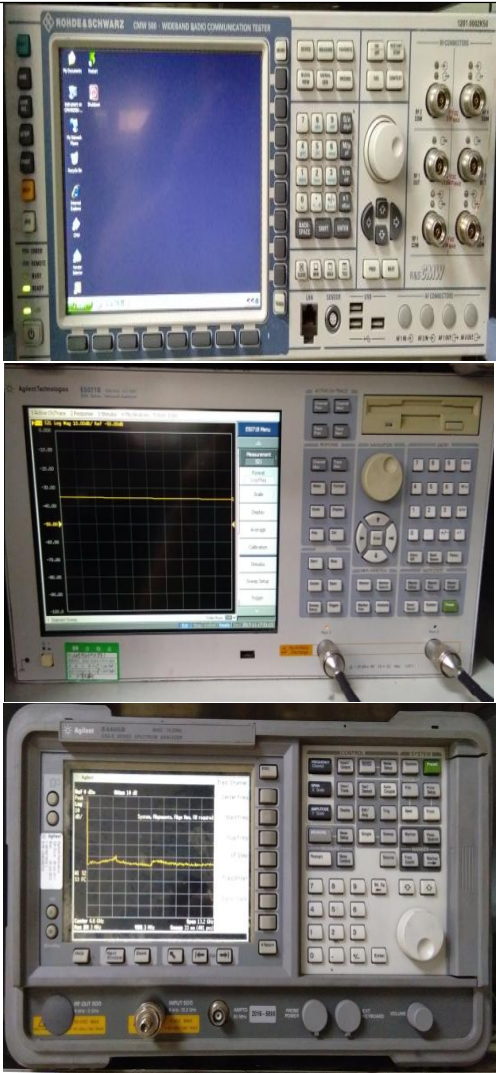
1. Product Application

Terminal of the antenna products can only be used for 2.4G WIFI antenna.

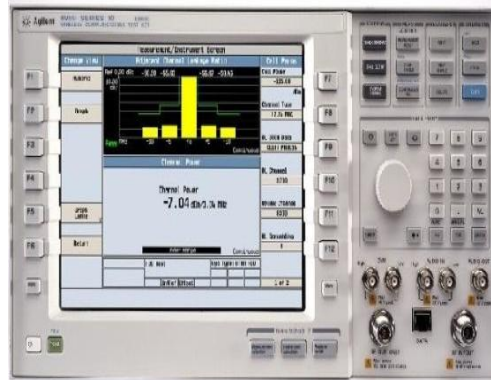
2. The test environment, equipment

Item	Description	Test Condition	Requirement
2.1	Passive testing	The VSWR measurement devices are connected in sequence: Agilent5071B Network Analyzer →measurement Cable → Customer-providing Devices.	VSWR: 2400MHz-2500MHz<2.0
		Test equipment	
			
Item	Description	Test Condition	Requirement

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2.2	Active test	Follow picture shows the measurement condition of the antenna been put on the measurement device, which is used for all measurement of electric performances.	Antenna gain: 2400MHz-2500MHz: 2±1dBi Antenna efficiency: 2400MHz-2500MHz: >40%	
2.3	Microwave Anechoic (Satimo&ETS)	Test equipment/测试设备		
				

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2.4	CMW500 Agilent5071B AgilentE4405B Agilent8960					

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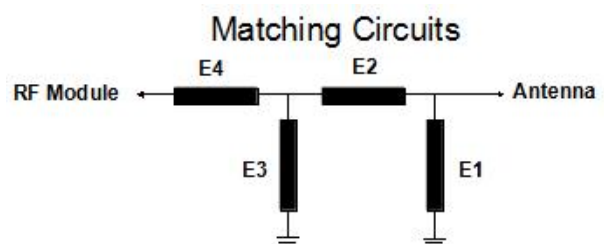
3. Technology Parameters

Frequency Range
Operating Humidity
Temperature Rating

2400MHz-2500MHz
85% R.H.MAX
-40℃ ~ +85℃

3.1 The matching test value

Element	Value
E1(0402)	
E2(0402)	
E3(0402)	
E4(0402)	



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3.2 VSWR



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3.3. Efficiency And Gain

Frequency/MHz	Efficiency / %	MaxGain/dBi
2400	52.95	2.55
2410	51.29	2.71
2420	53.79	2.98
2430	53.45	2.61
2440	51.94	2.43
2450	54.62	2.66
2460	52.95	2.72
2470	51.29	2.37
2480	53.62	2.71
2490	55.51	2.59
2500	53.45	2.42

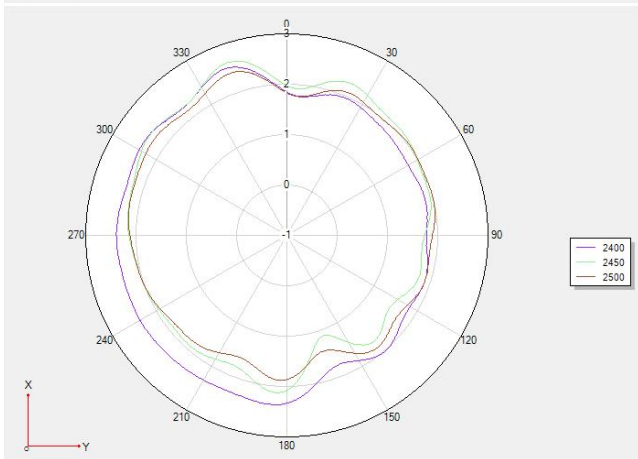
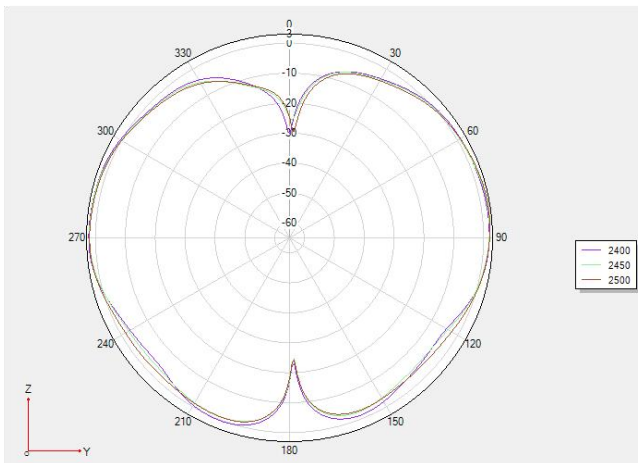
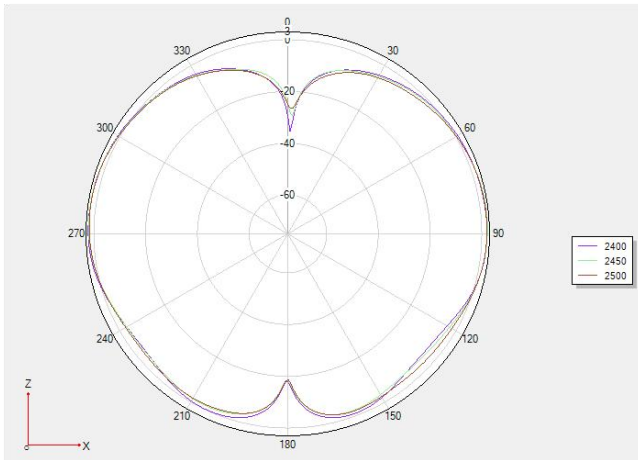
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3.4 2D & 3D PHOTO

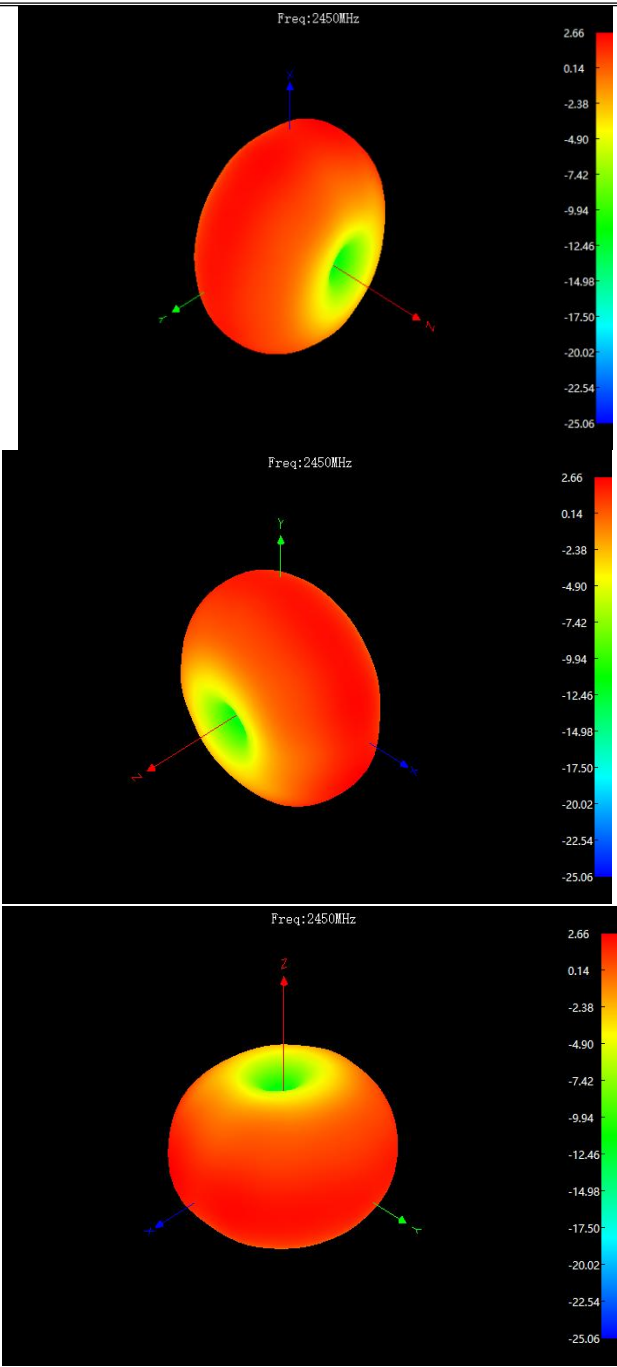


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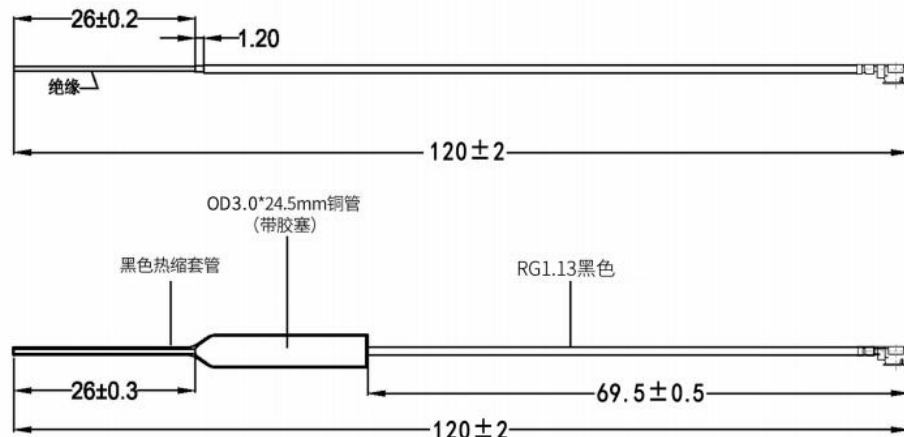
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4. Product photo



注意:

1.电气性能

1.1频率: 2400~2500MHz

1.2阻抗: 50Ω

1.3驻波比: <2.0

2.包装: 散装

5.Environmental Performance

Item	Description	Test Condition	Requirement
5.1	High and low temperature test	Temp.: -40°C Time: 48 hours Temp.: 85°C Time: 48 hours	1. No visible damage. 2. The electric performances reach the standard.
Item	Description	Test Condition	Requirement
5.2	Salt Spray	$5 \pm 0.1\%$ Nad salt fog PH Value: 6.5-7.2 Temp: $35 \pm 1^{\circ}\text{C}$ Time: 24 hours	1. No color change. 2. the appearance of the antenna does not flake off.

6.Usage Precaution

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No	Items	Matter
6.1	Precautions	a)Please avoid the cleaning of this producta)
No	Items	Matter
6.2	Stockpile condition	Use this product within 6 months after receipt Condition : Temp: 5~30℃ Humidity:≤70%

7. Packing metho

Bag shipment, 100pcs.