



Shenzhen DEWEIMA Communication Equipment Co.Ltd

SPECIFICATION SHEET FOR APPROVAL

CUSTOMER NAME	Fusi Innovation
CUSTOMER P/N	2.4G T-antenna
PART NAME	WIFI Antenna
Material code	
APPROVAL REV.	DWM-V1.2

CONTRACTOR			DATE: 2025-11-15
QA CHECKED	MC CHECKED	RF CHECKED	MANAGER CHECKED
高春彦	陈裕松	覃球铭	余奇学

CUSTOMER		DATE:
Approved By	Checked By	Prepared By

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Content

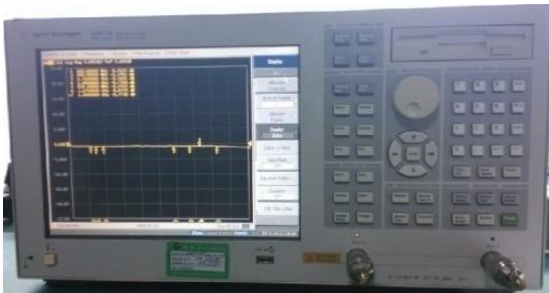
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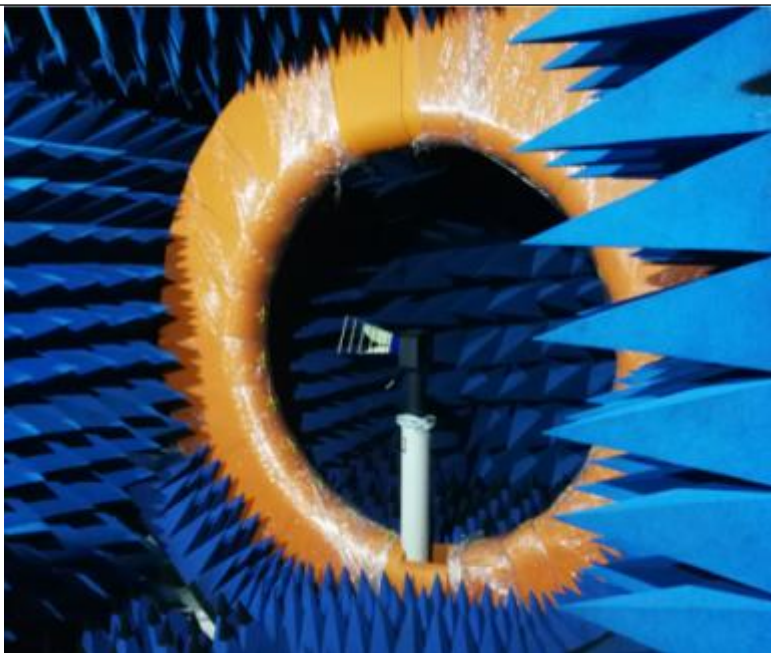
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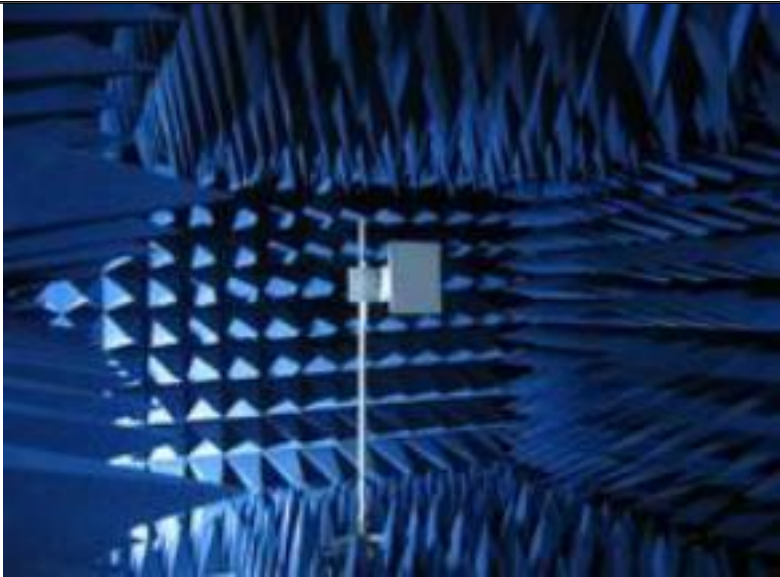
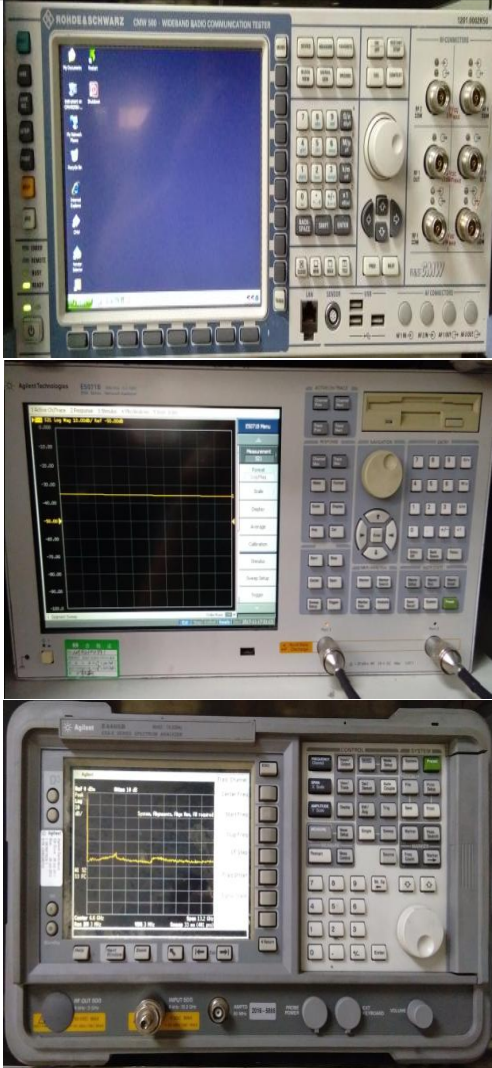
1. Product Application

Terminal of the antenna products can only be used for 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: 2400-2500MHz<2
		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: 2400-2500MHz: 2dBi Antenna efficiency: 2400-2500MHz >30%	
2.3	Microwave Anechoic (Satimo&ETS)	Test equipment		
				

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2.4	CMW500 Agilent5071B AgilentE4405B Agilent8960					

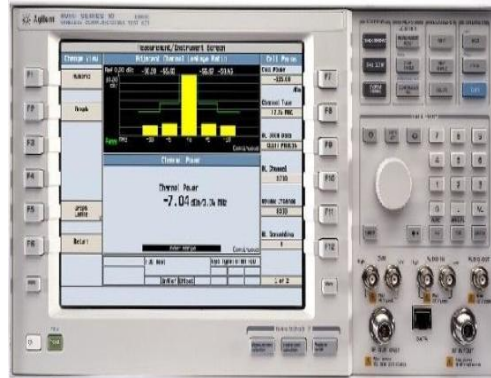
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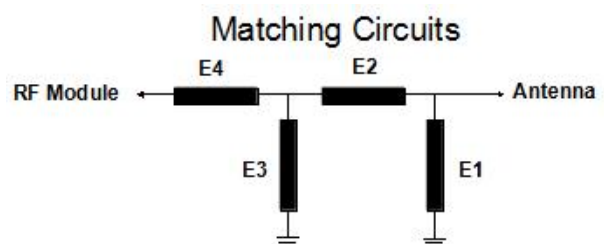
3. Technology Parameters

Frequency Range
Operating Humidity
Temperature Rating

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

3.1 The matching test value

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



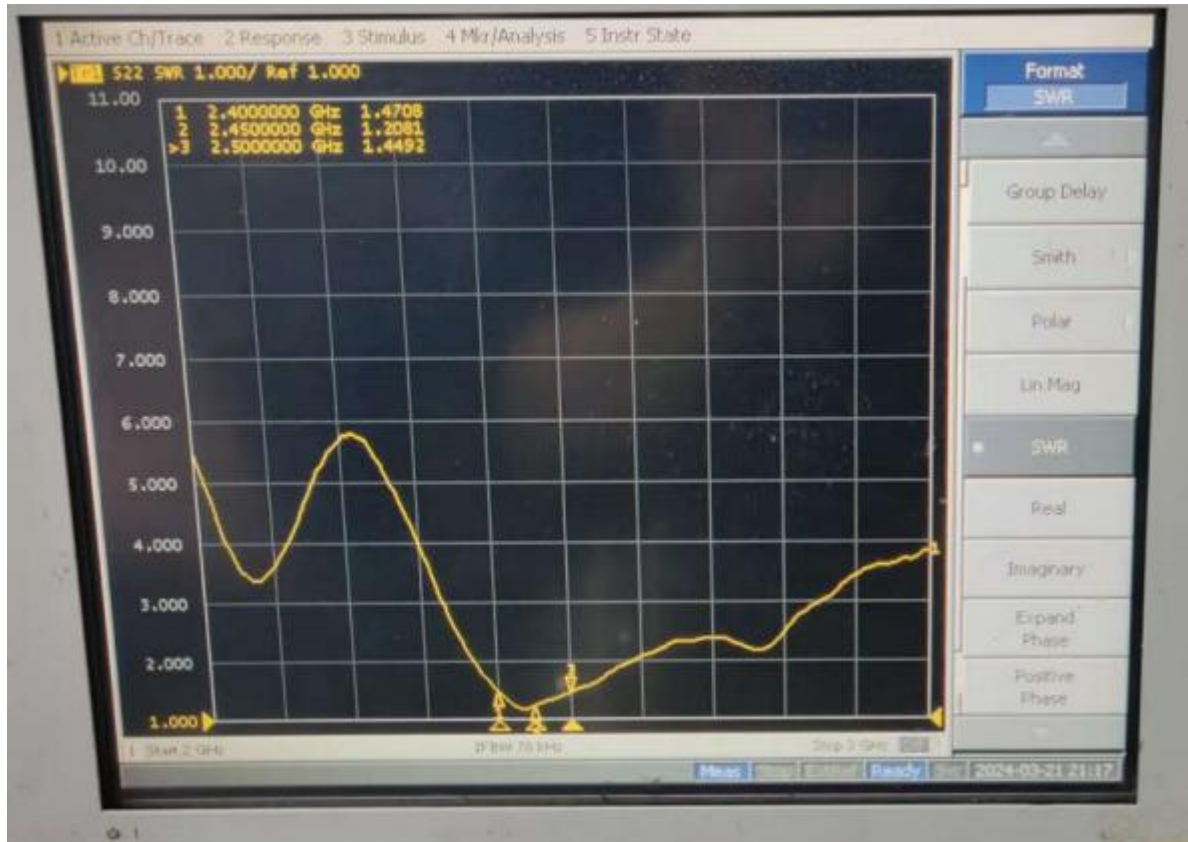
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3.2 VSWR 2400-2500MHz



3.3 Efficiency And Gain

Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	34.2	2.33
2410	32.66	1.85
2420	34.75	2.36
2430	35.73	2.49
2440	34.43	1.99
2450	35.08	2.22
2460	35.08	2.6
2470	33.81	2.22
2480	34.91	2.42
2490	36.22	2.87
2500	34.43	2.38

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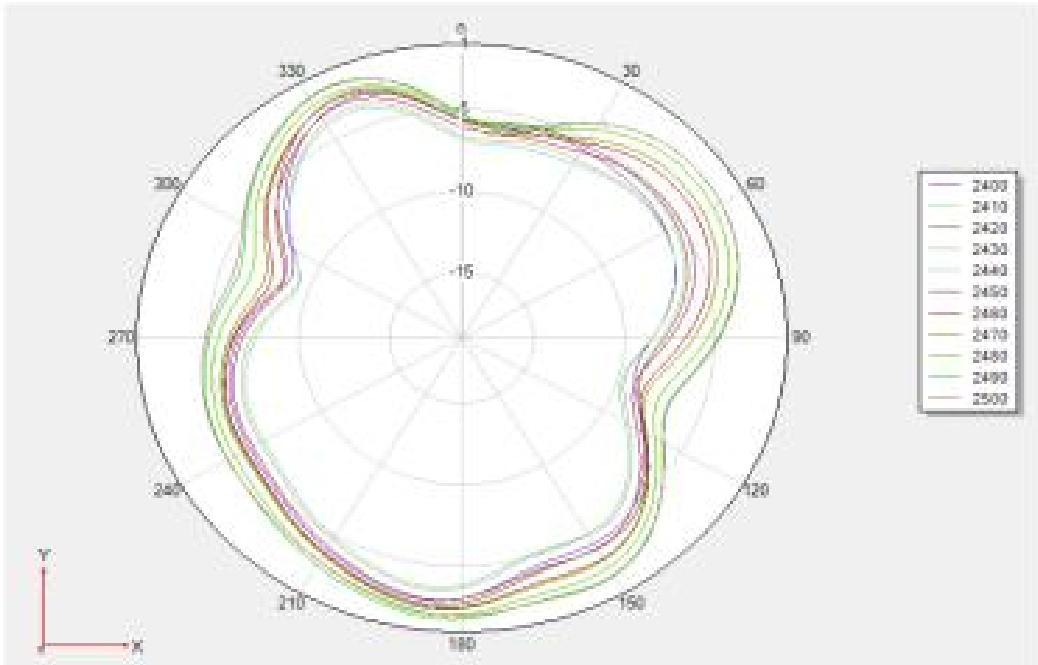
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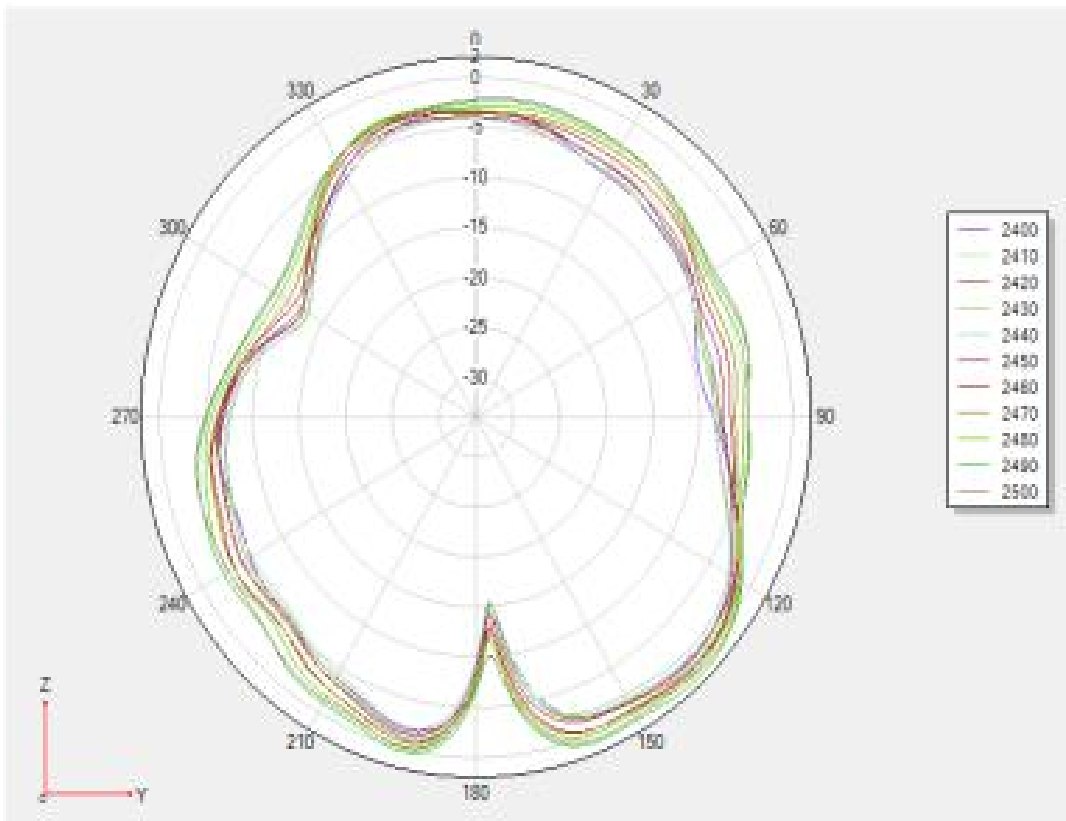
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3.4 2D & 3D PHOTO

**XY
SCREENSHOT**



**YZ
SCREENSHOT**



Product Specification

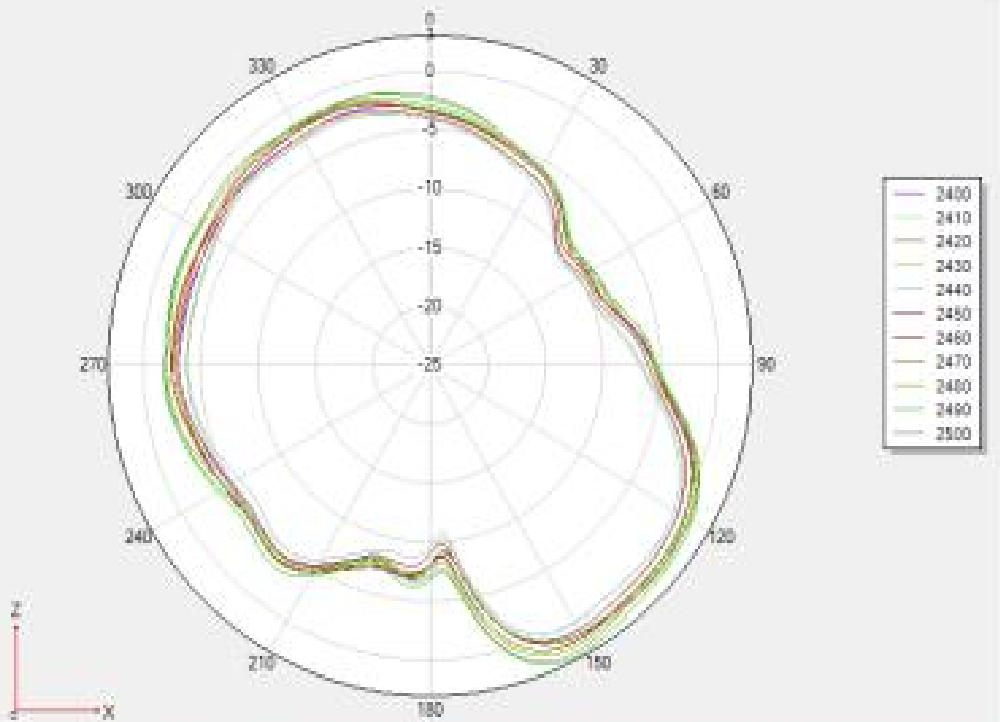
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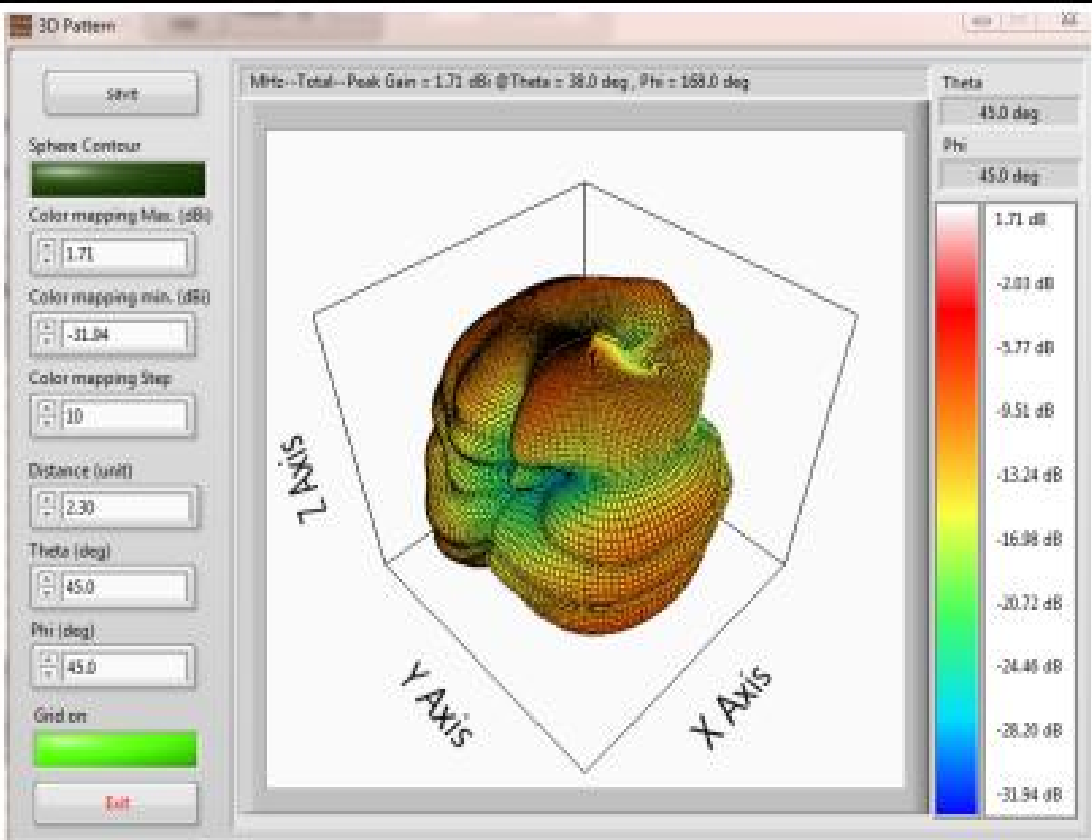
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**XZ
SCREENSHOT**



**3D
Pattern**



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4. Product photo

客户

项目名

日期

修改内容

版本

修订

此图盖章生效

盖章处

深圳市德威玛通讯设备有限公司				Shenzhen DeWeiMa Communication Equipment Co.,Ltd.			
0~10	±0.10	0.02	内部编码	日期	2025/07/30		
10~20	±0.12	0.03	品名	设计	罗伟平		
20~40	±0.15	0.02	料号	审核	结构		
40~50	±0.20	0.04	材质	射频	高春彦		
		0.02	模面处理	确认			
			外观处理	单位	mm	比例 FIT 版本 R/A	

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±0.1% Nad salt fog PH Value: 6.5-7.2 Temp: 35±1 °C Time:24 hours	1. No color change. 2. the appearance of the antenna does not flake off.

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6.Usage Precaution

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.