



Shenzhen DEWEIMA Communication Equipment Co.Ltd

SPECIFICATION SHEET FOR APPROVAL

CUSTOMER NAME	Ningbo Youxing
CUSTOMER P/N	UX33
PART NAME	2.4G Antenna
Material code	
APPROVAL REV.	DWM-V1.0

CONTRACTOR			DATE : 2023-04-01
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED
高春彦	段燕林	陈显叶	余 奇

CUSTOMER		DATE :
Approved By	Checked By	Prepared By

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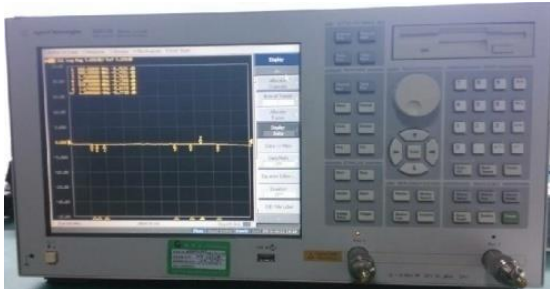
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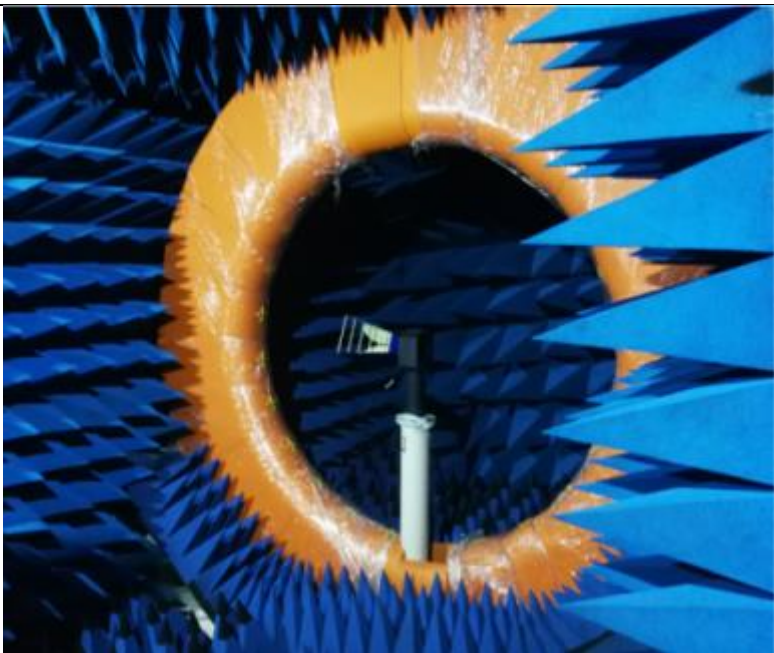
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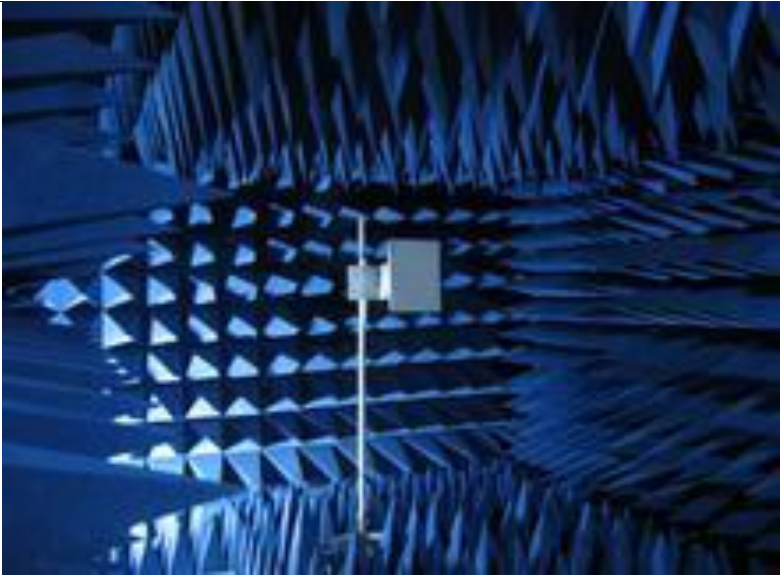
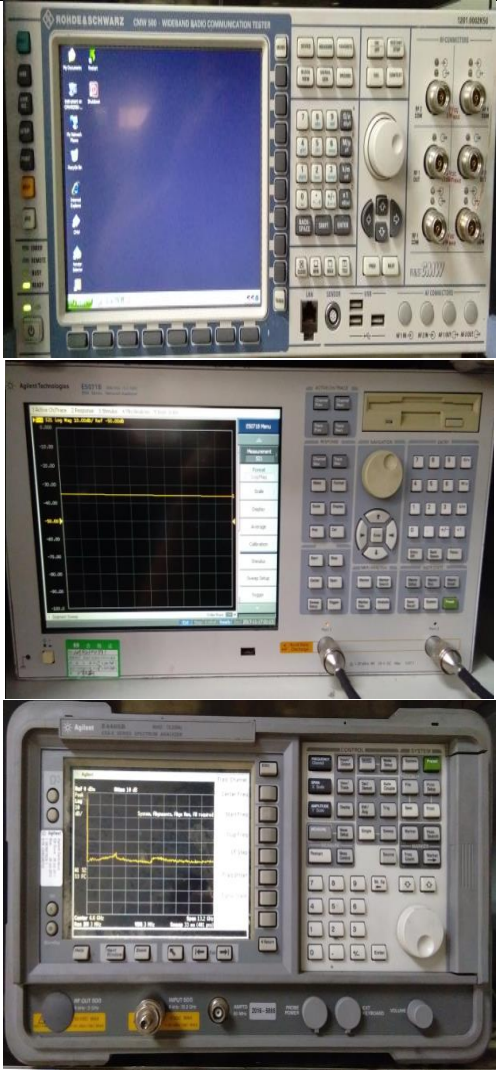
1. Product Application

Terminal of the antenna products can only be used for 4G antenna.

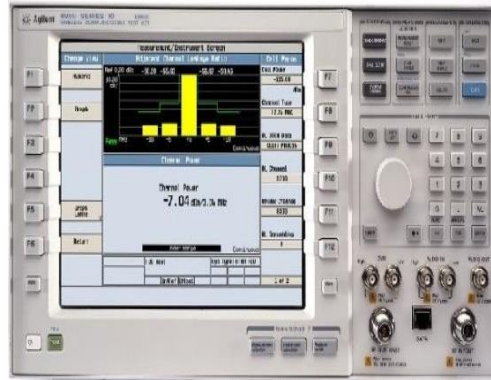
2. The test environment, equipment

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 : 3±1dBi Antenna efficiency: 2400MHz-2500MHz : >45%	
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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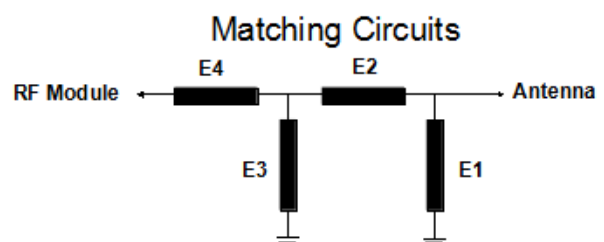


3. Technology Parameters

Frequency Range	2400-2500MHz
Operating Humidity	85% R.H.MAX
Temperature Rating	-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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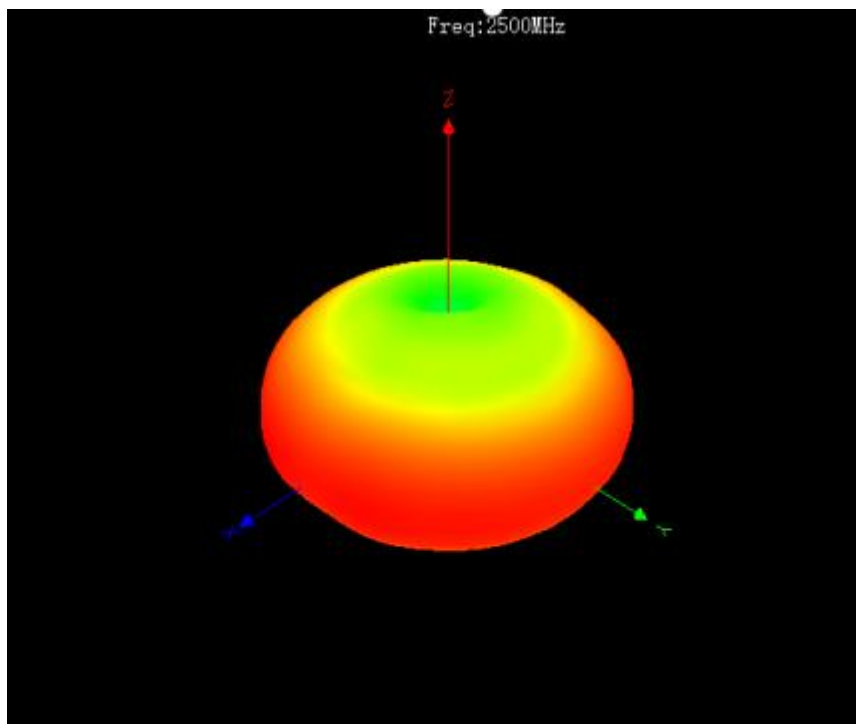
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3.3. Efficiency And Gain

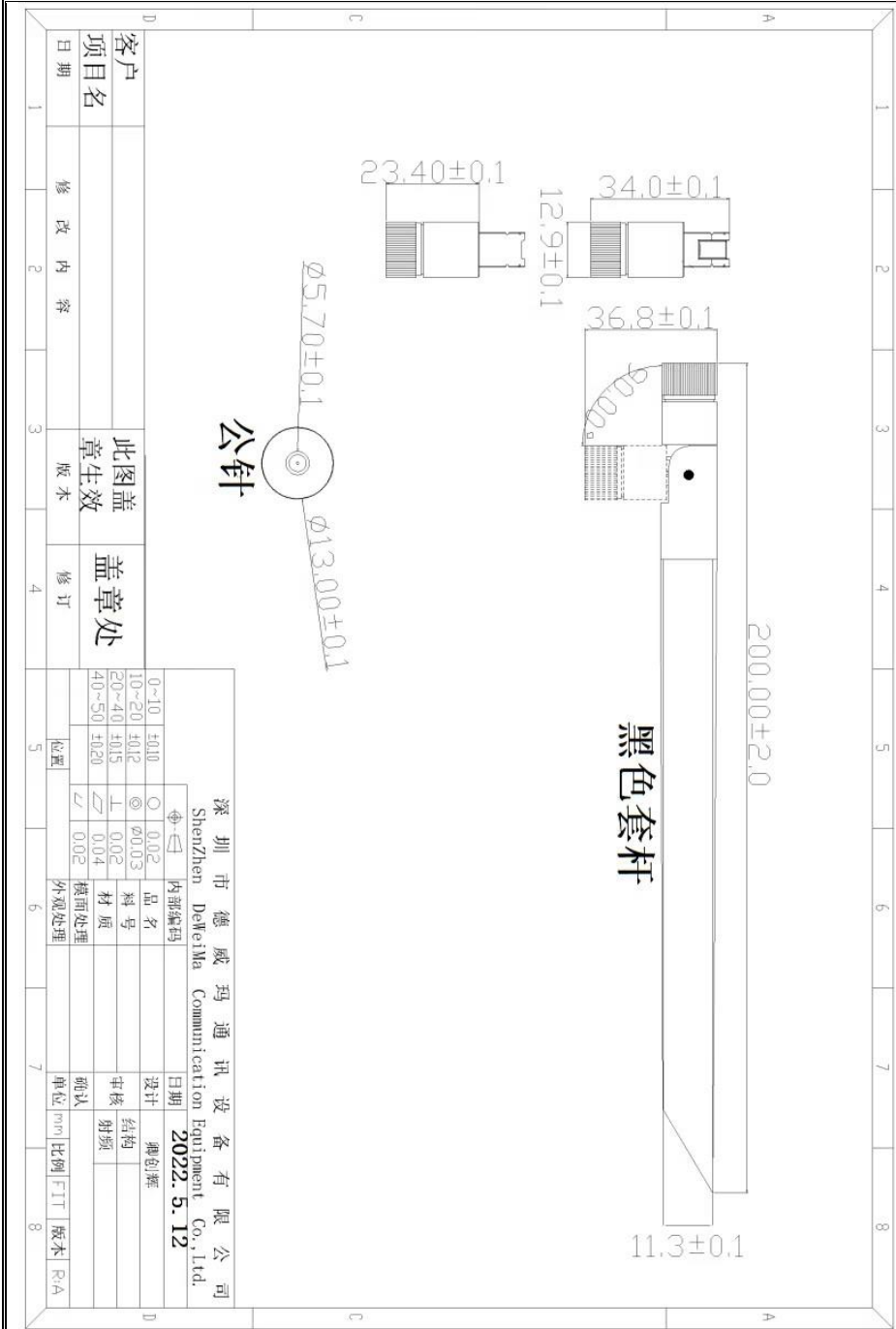
Frequen cy/Mhz	Efficien cy / %	MaxGai n/dBi
2400	47.75	2.67
2410	47.42	2.92
2420	50.47	3.14
2430	51.05	2.91
2440	51.05	2.8
2450	63.7	2.75
2460	61.2	2.73
2470	63.95	2.85
2480	60.62	2.91
2490	62.48	2.95
2500	67.41	3.01

3.4 3D PHOTO



4. Product photo

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5.Environmental Performance

Item	Description	Test Condition	Requirement
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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.

6. Usage Precaution

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

7. Packing method

Bag shipment, 100pcs.