



Shenzhen DEWEIMA Communication Equipment Co.Ltd

Room 301, 3rd Floor, Building 1, Youyi Industrial Zone, District 23, Xin'an Subdistrict, Bao'an District, Shenzhen

SPECIFICATION SHEET FOR APPROVAL

CUSTOMER NAME	
CUSTOMER P/N	<u>10.1 MAGIC Calendar Frame</u>
PART NAME	WIFI Antenna
Material code	
APPROVAL REV.	DWM-FPC

CONTRACTOR			DATE: 2026-08-14
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

CUSTOMER		DATE:
Approved By	Checked By	Prepared By

TEL: 13603094246

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Product Specification

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Rev.:

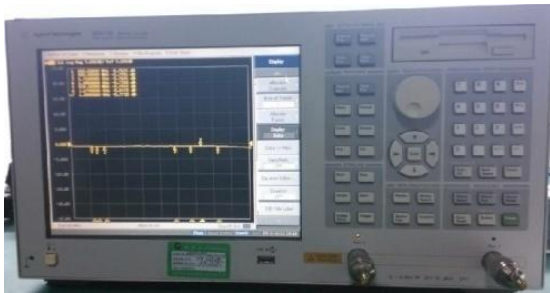
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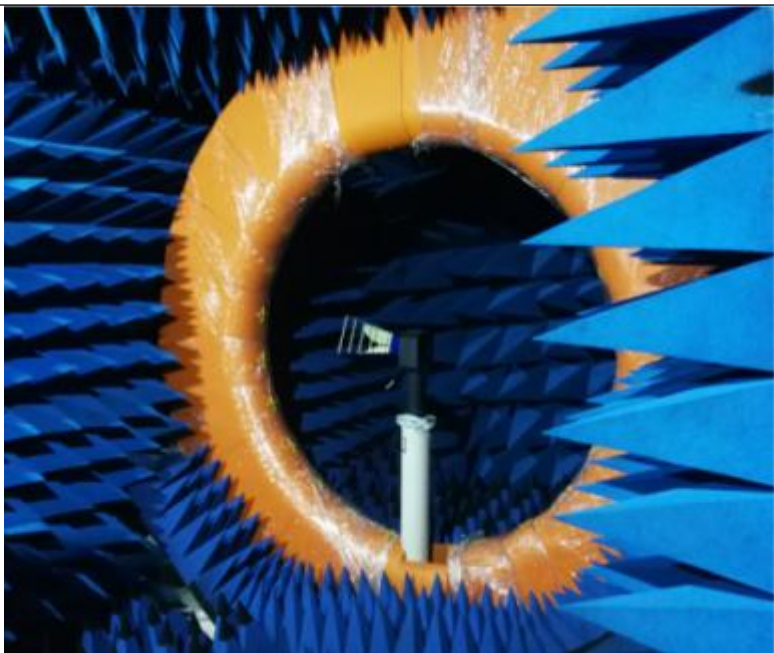
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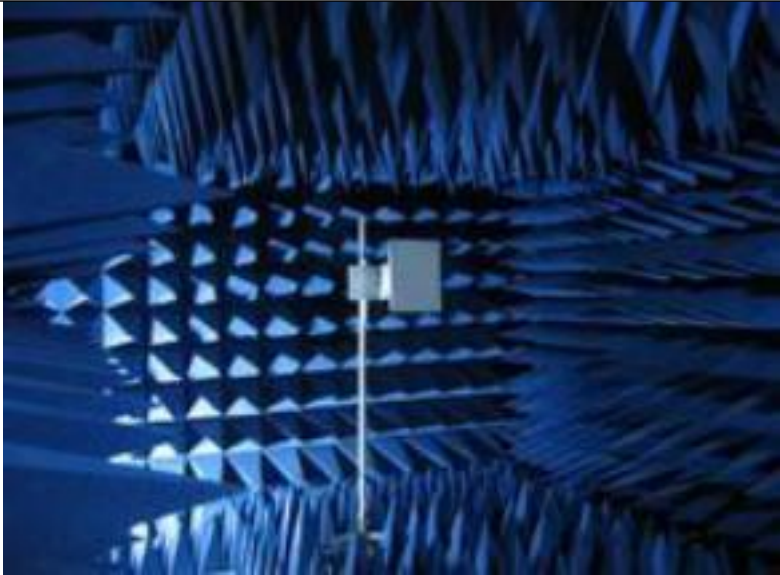
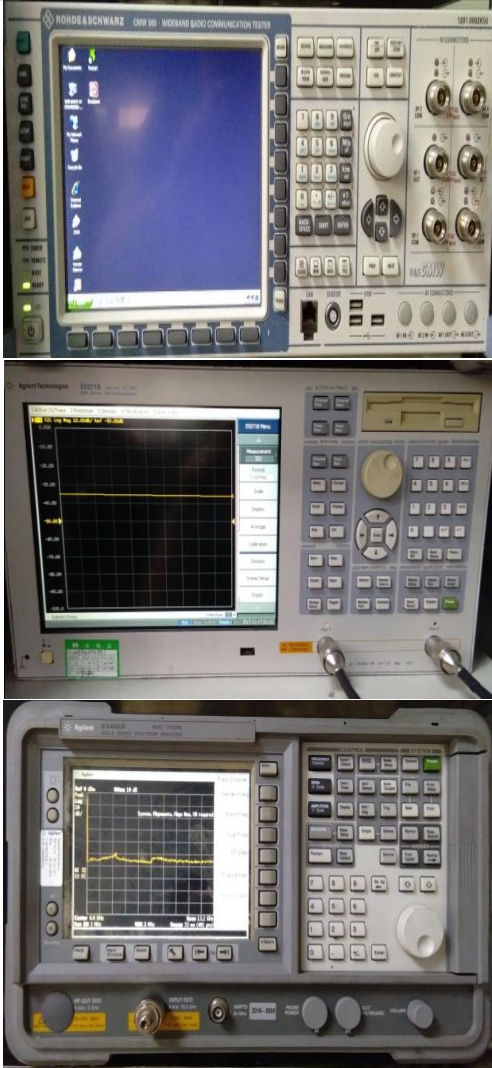
1. Product Application

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

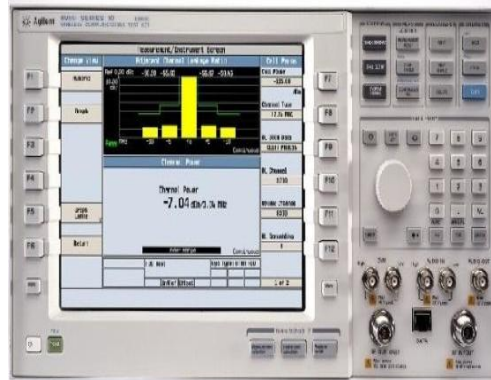
2. The test environment, equipment

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: 2400MHz~2500MHz<3 5150MHz~5850MHz<3
		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:5dBi±1dBi 5150MHz~5850MHz:4dBi±1dBi Antenna efficiency: 2400MHz~2500MHz>40% 5150MHz~5850MHz>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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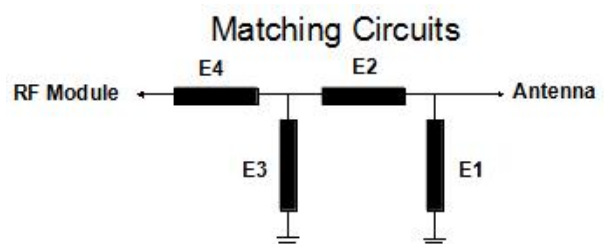
3.Technology Parameters

Frequency Range
Operating Humidity
Temperature Rating

2400MHz~2500MH&5150MHz~5850MHz
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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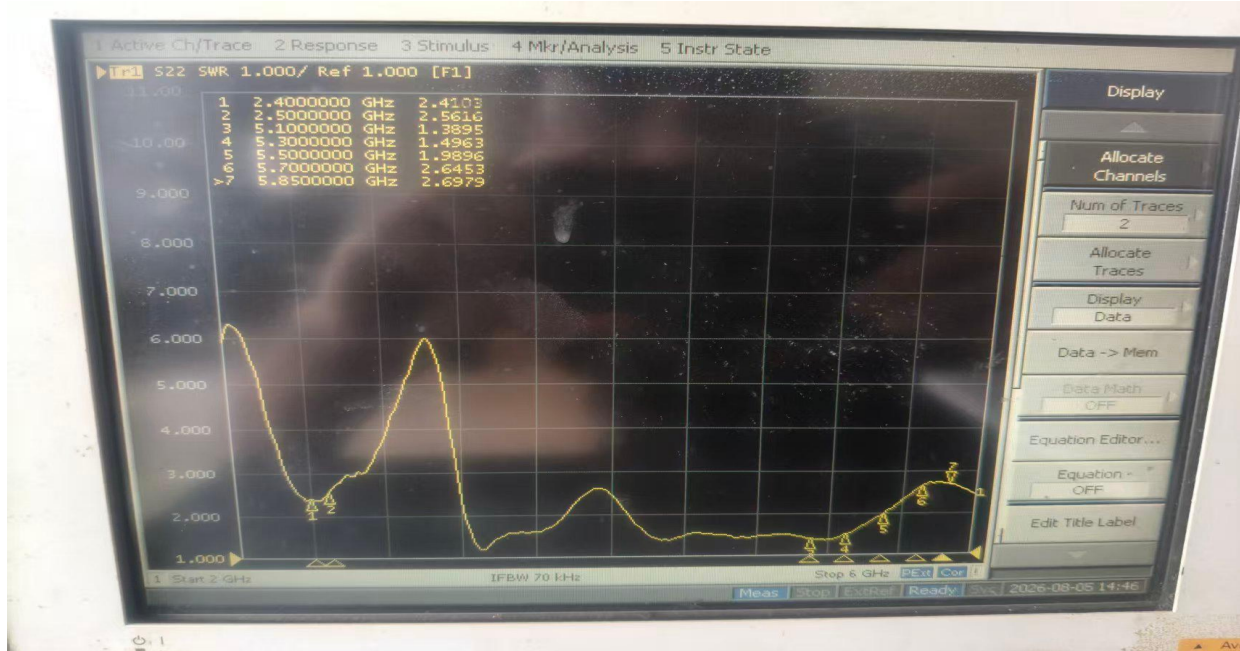
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3.2 VSWR

2400-2500MHz



3.3 Efficiency And Gain

Frequency 频率(MHz)	Gain 增益(dBi)	Efficiency 效率(%)
2400.00	5.96	70.30
2410.00	5.69	68.77
2420.00	5.69	69.25
2430.00	5.53	69.09
2440.00	5.32	69.11
2450.00	5.21	69.81
2460.00	5.06	68.70
2470.00	5.04	68.58
2480.00	5.19	70.37
2490.00	5.35	71.28
2500.00	5.45	71.75

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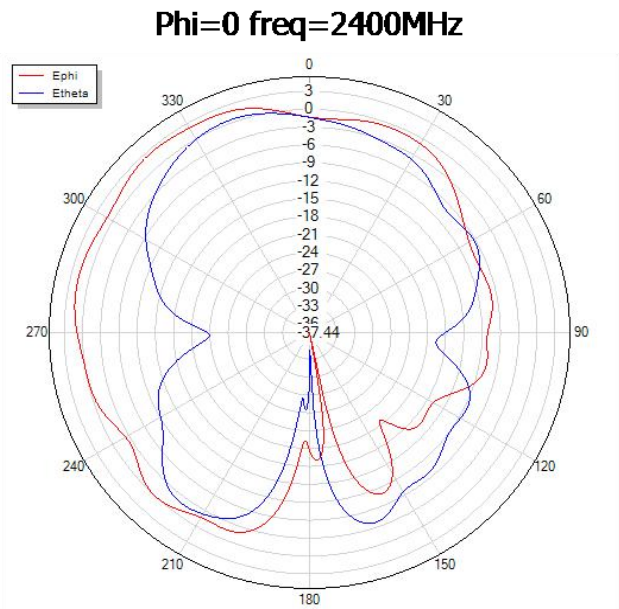
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3.4 2D & 3D PHOTO

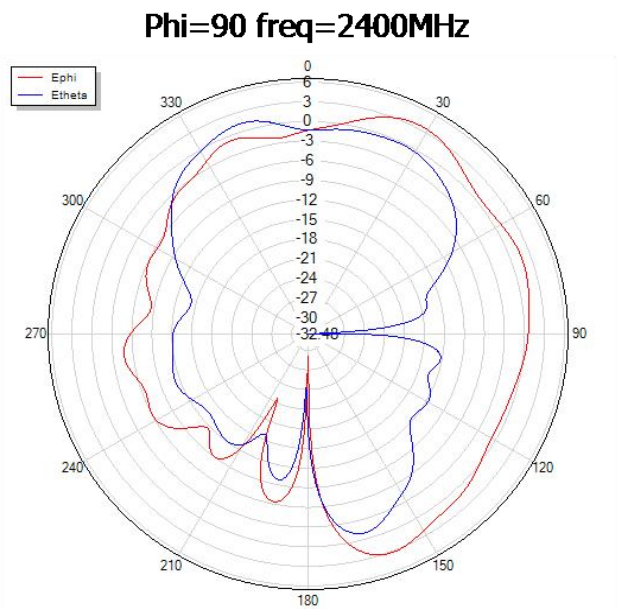
2.4G

PHi 0°



2.4G

PHi 90°



Product Specification

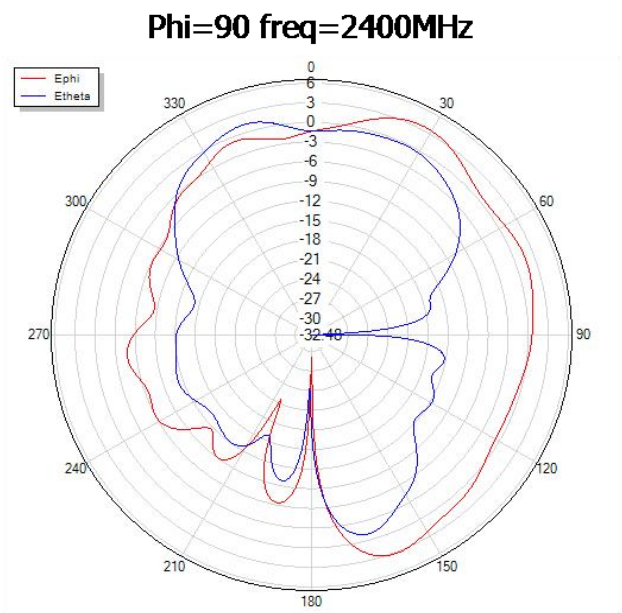
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2.4G

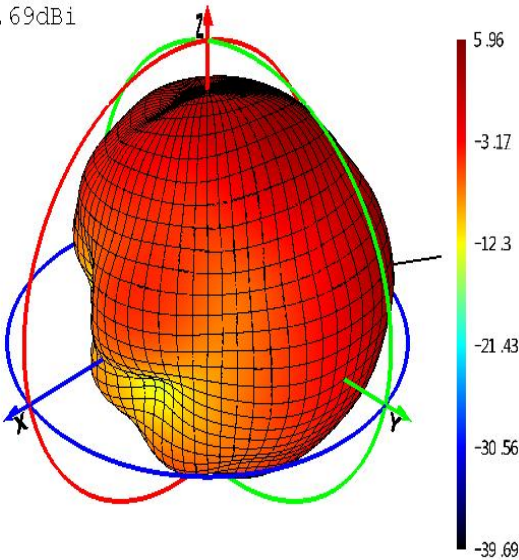
Theta
90°



2.4G

(3D
Pattern)

MAX:5.96dBi
MIN:-39.69dBi



Product Specification

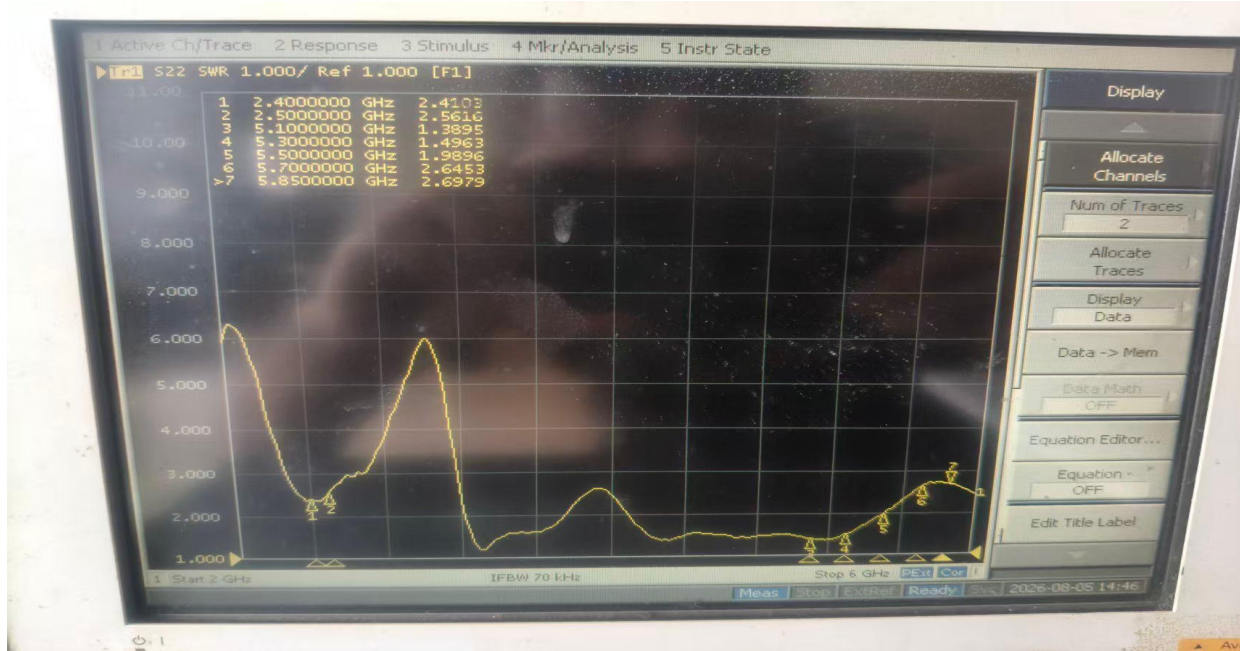
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VSWR 5.8



Efficiency And Gain

Frequency 频率(MHz)	Gain 增益(dBi)	Efficiency 效率(%)
5150.00	3.71	48.84
5200.00	4.39	54.83
5250.00	4.37	52.63
5300.00	3.80	46.83
5350.00	3.51	48.17
5400.00	3.70	47.50
5450.00	2.99	42.36
5500.00	4.91	56.89
5550.00	3.98	44.76
5600.00	3.43	38.88
5650.00	4.01	42.13
5700.00	4.83	41.61
5750.00	4.65	41.26
5800.00	4.53	37.81
5850.00	4.16	34.29

Product Specification

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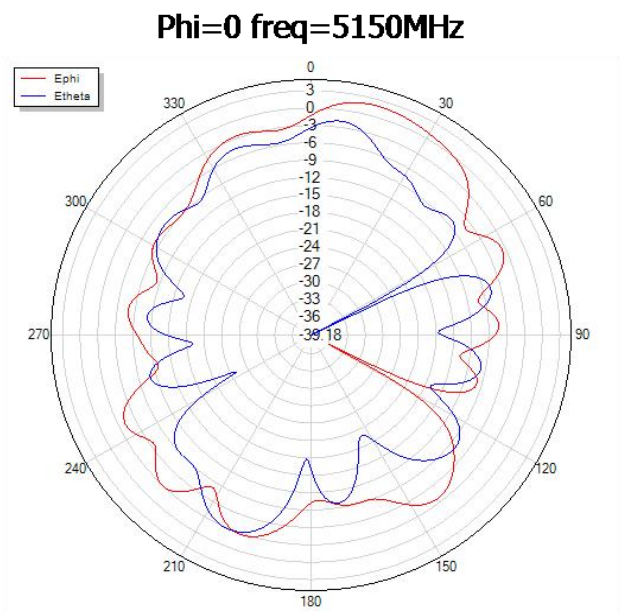
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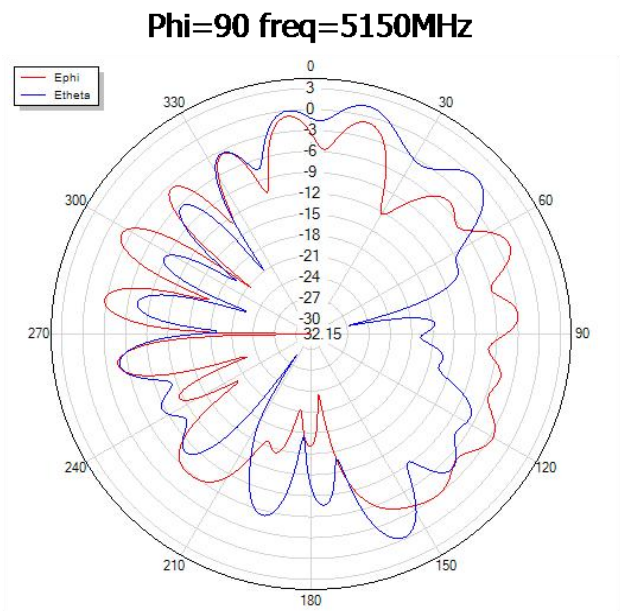
5.8G

PHi 0°



5.8G

PHi 90°



Product Specification

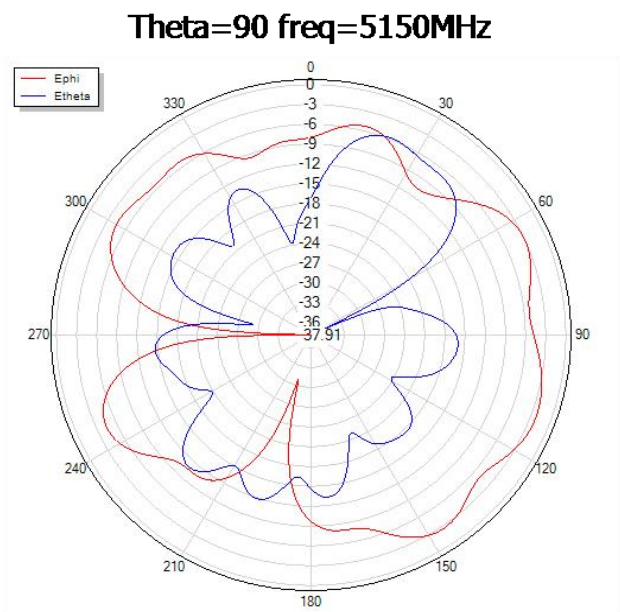
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5.8G

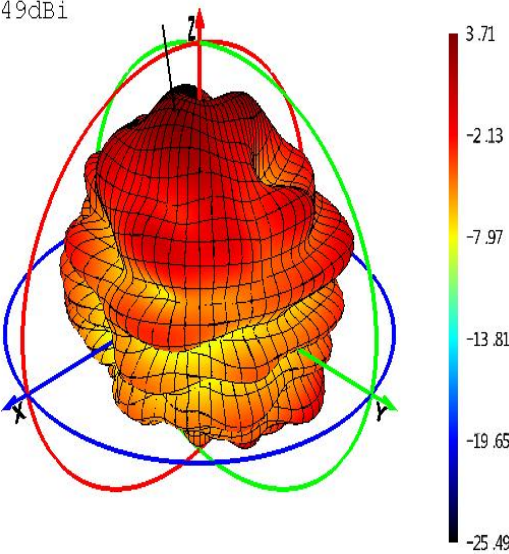
Theta
90°



5.8G

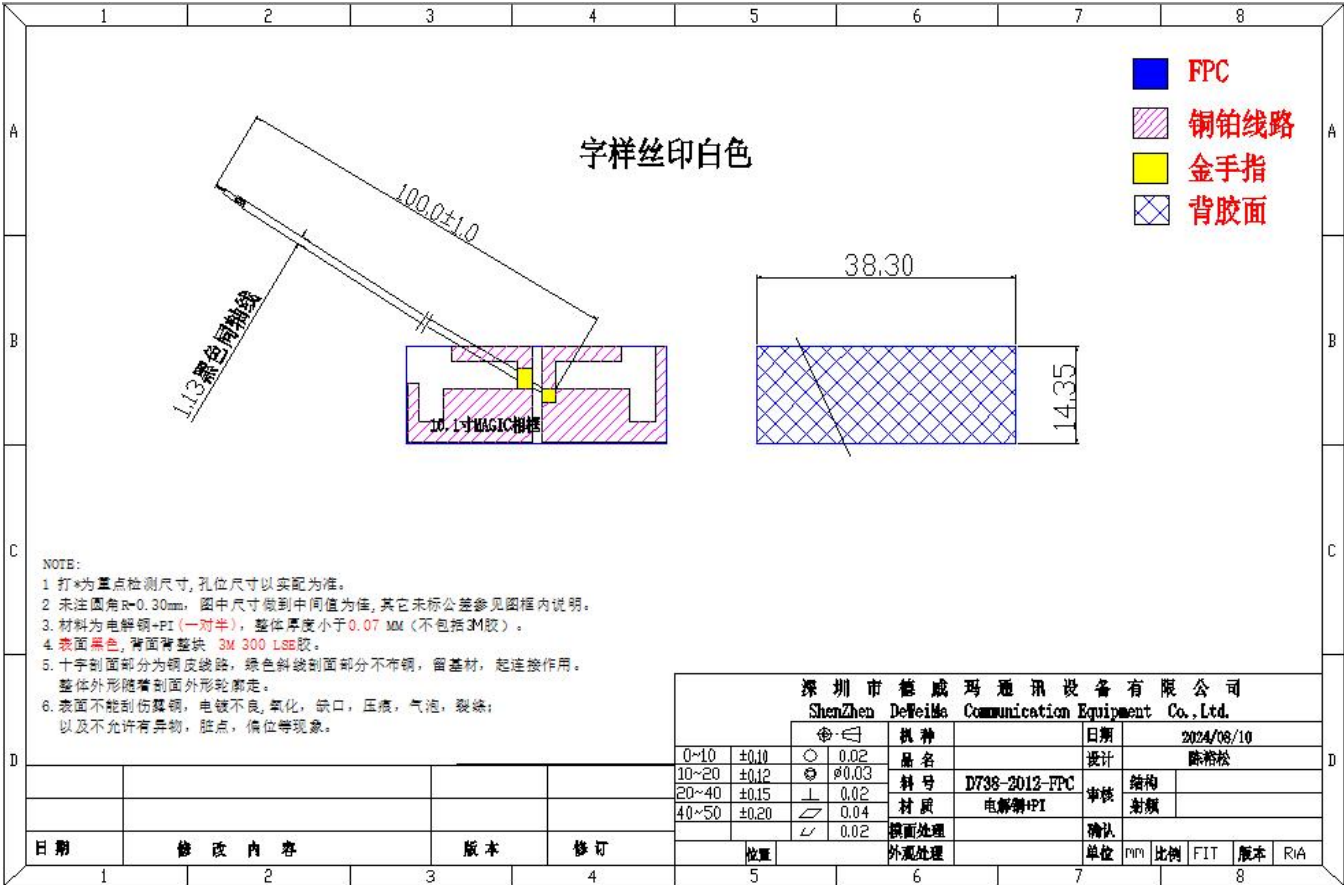
(3D
Pattern)

MAX:3.71dBi
MIN:-25.49dBi



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4. Product photo



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

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5.2	Salt Spray	$5\pm0.1\%$ Nad salt fog PH Value: 6.5-7.2 Temp: $35\pm1^{\circ}\text{C}$ 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: $5\sim30^{\circ}\text{C}$ Humidity: $\leq 70\%$

7. Packing method

Bag shipment, 100pcs.