



Shenzhen DEWEIMA Communication Equipment Co.Ltd

SPECIFICATION SHEET FOR APPROVAL

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CUSTOMER P/N	D04-(2.4G +5.8G)
PART NAME	WIFI Antenna
Material code	111601-00079
APPROVAL REV.	DWM-V1.0

CONTRACTOR			DATE: 2024-09-3
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED
Gao Chunyan	Chen Yu Song	Qin Qiu Ming	Yu Qi Xue

CUSTOMER		DATE:
Approved By	Checked By	Prepared By

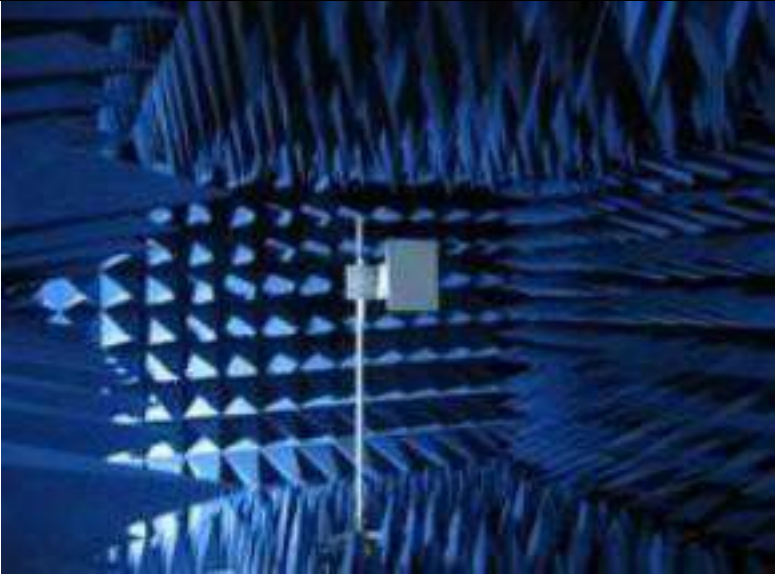
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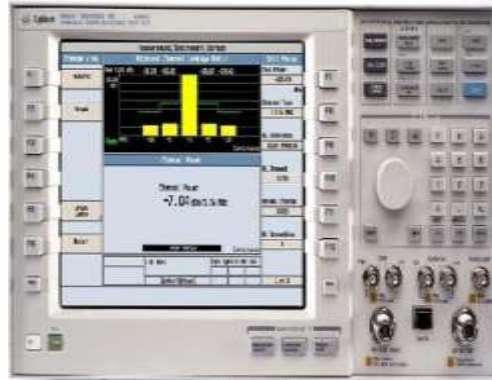
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1. Product Application Terminal of the antenna products can only be used for WIFI antenna.				
2. The test environment, equipment				
Item	Description	Test Condition	Requirement	
2.1	Passive testing	The VSWR measurement devices are connected in sequence: Agilent5071B Network Analyzer →measurement Cable → Customer-providing Devices.	VSWR: 2400MHz~2500MHz<2.5 5150MHz~5850MHz<2.5	
		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:2dBi±1dBi 5150MHz~5850MHz:4dBi±1dBi Antenna efficiency: 2400MHz~2500MHz>35% 5150MHz~5850MHz>35%		
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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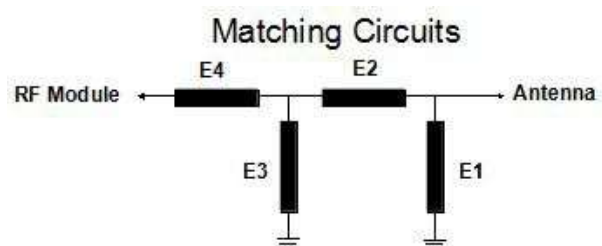
3. Technology Parameters

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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3.2 VSWR

2400-2500MHz

3.3. Efficiency And Gain/效率和增益

Frequency/Mhz	MaxGain/ dBi	Efficiency / %
2400	4.41	50.7
2410	3.57	48.53
2420	3.62	50.12
2430	3.69	50.47
2440	3.09	48.19
2450	3.07	47.97
2460	3.1	45.92
2470	2.27	42.76
2480	2.08	42.95
2490	2.02	42.27
2500	1.39	38.19

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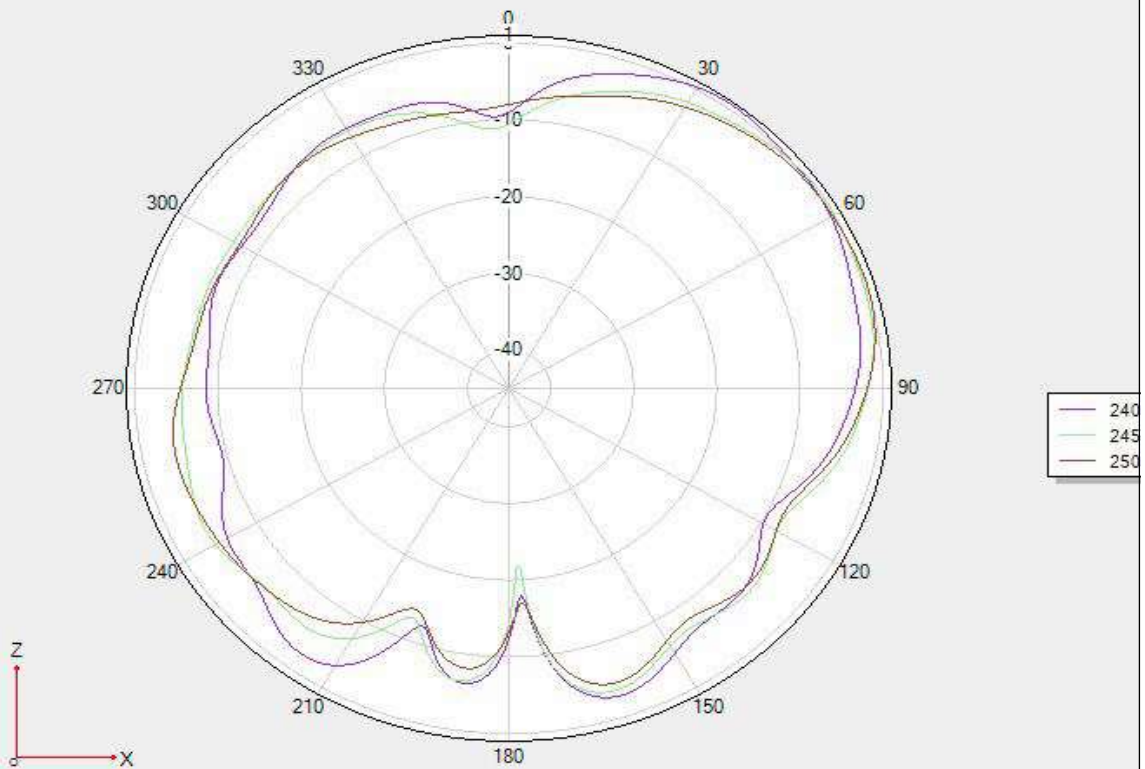
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3.4 2D & 3D PHOTO

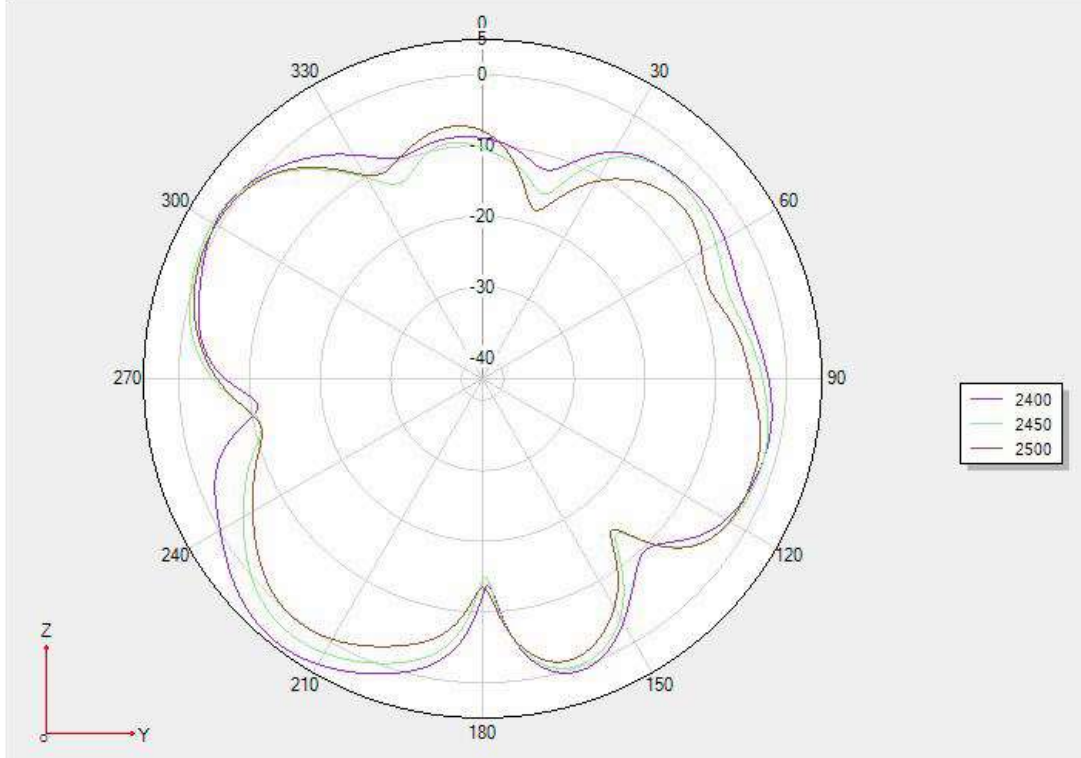
2. 4G

PHi 0°



2. 4G

PHi 90°



Product Specification

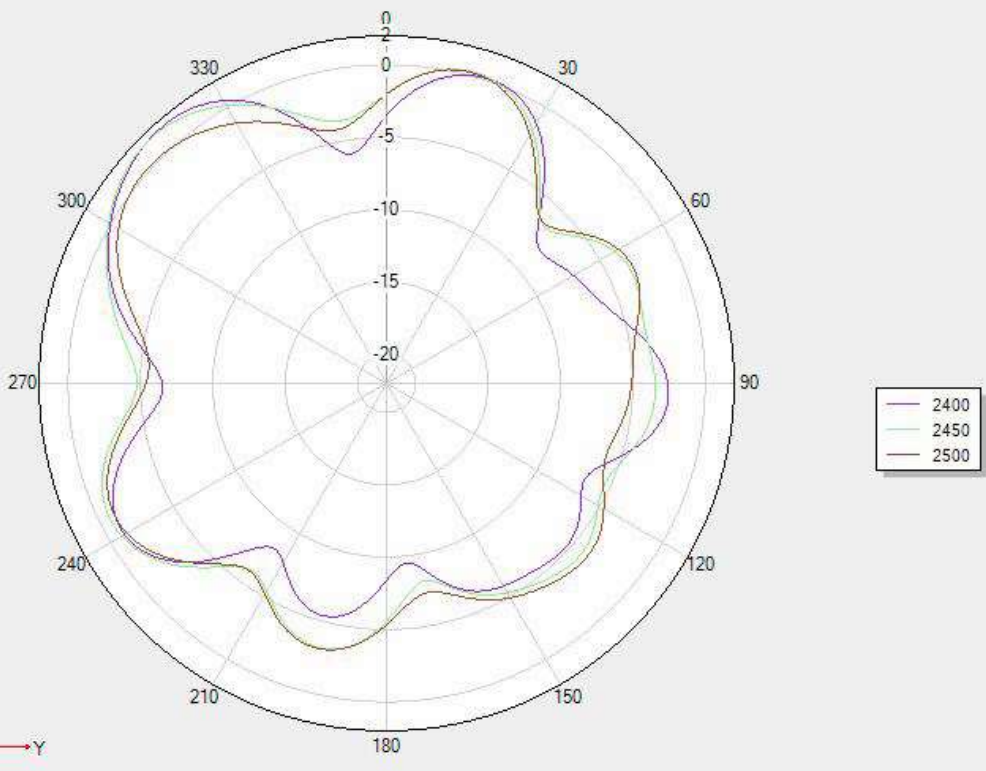
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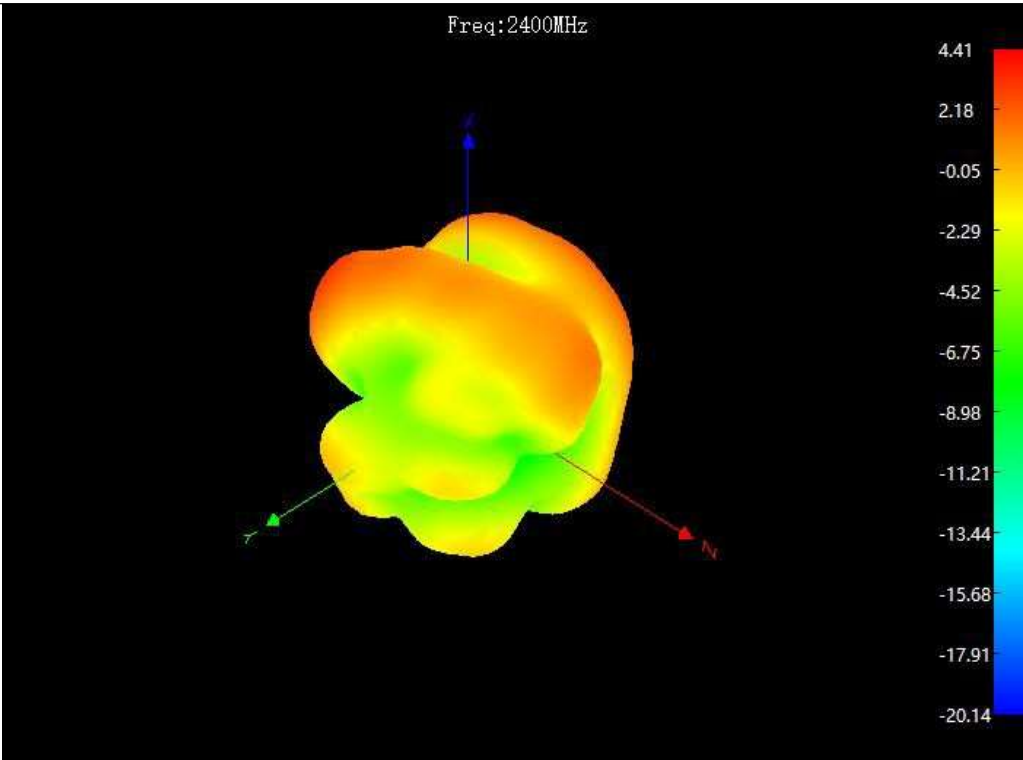
2. 4G

Theta
90°



2. 4G

(3D
Pattern)



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VSWR 5.8

Frequency/Mhz	Efficiency / %	MaxGain/dBi
5150	40.36	5.86
5200	43.85	6.41
5250	44.57	6.75
5300	43.85	6.69
5350	43.85	6.73
5400	41.5	6.27
5450	37.15	5.65
5500	36.39	5.4
5550	36.04	4.66
5600	37.12	4.11
5650	38.48	4.23
5700	36.7	4.66
5750	37.73	4.86
5800	38.89	4.75
5850	37.04	4.83

Product Specification

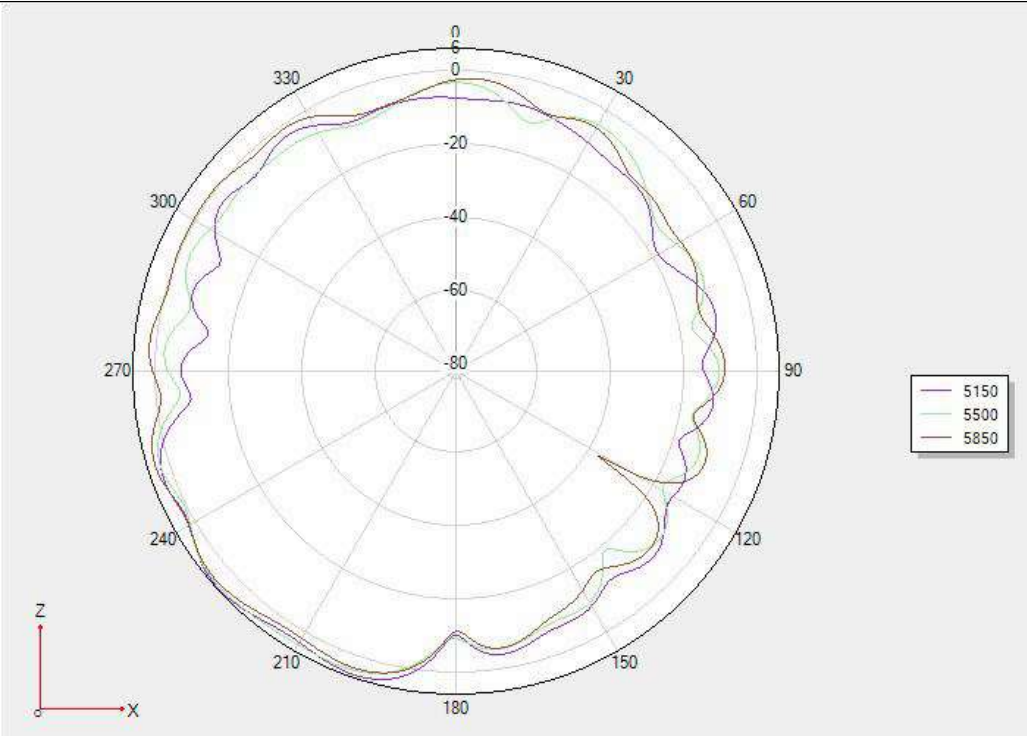
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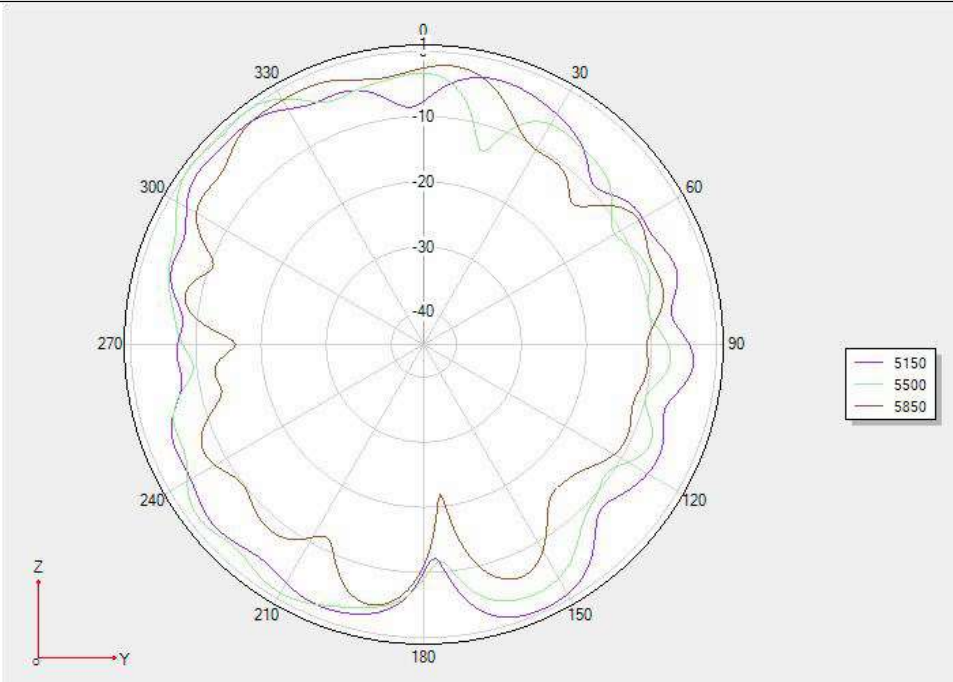
5.8G

PHi 0°



5.8G

PHi 90°



Product Specification

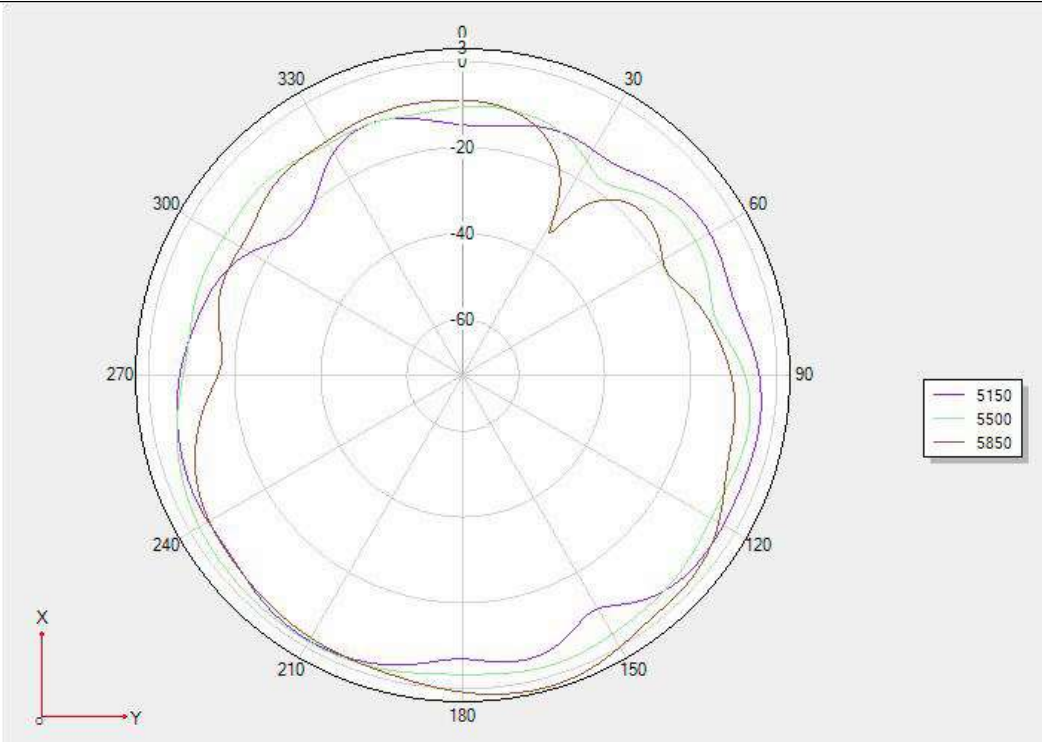
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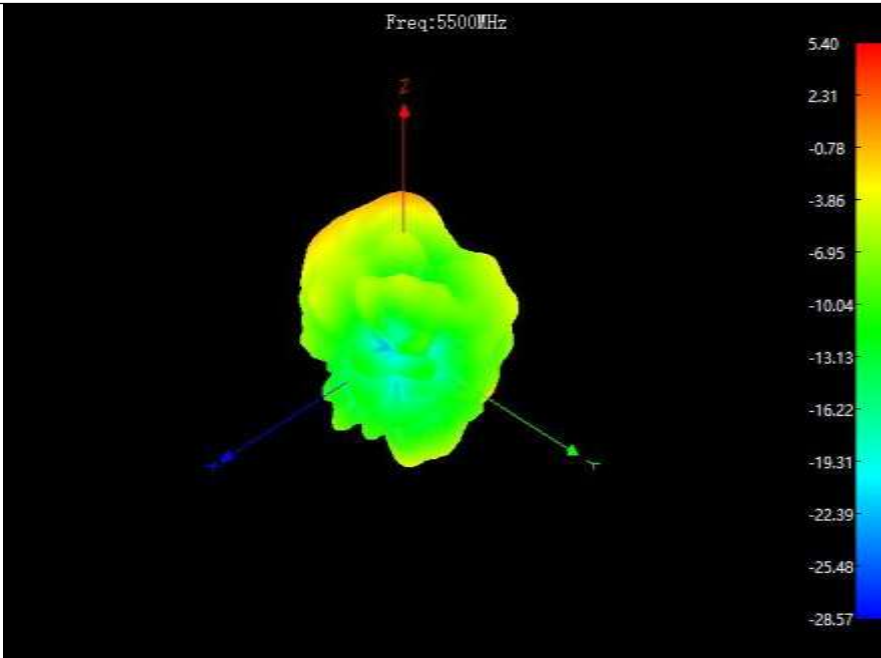
5.8G

Theta
90°



5.8G

(3D
Pattern)



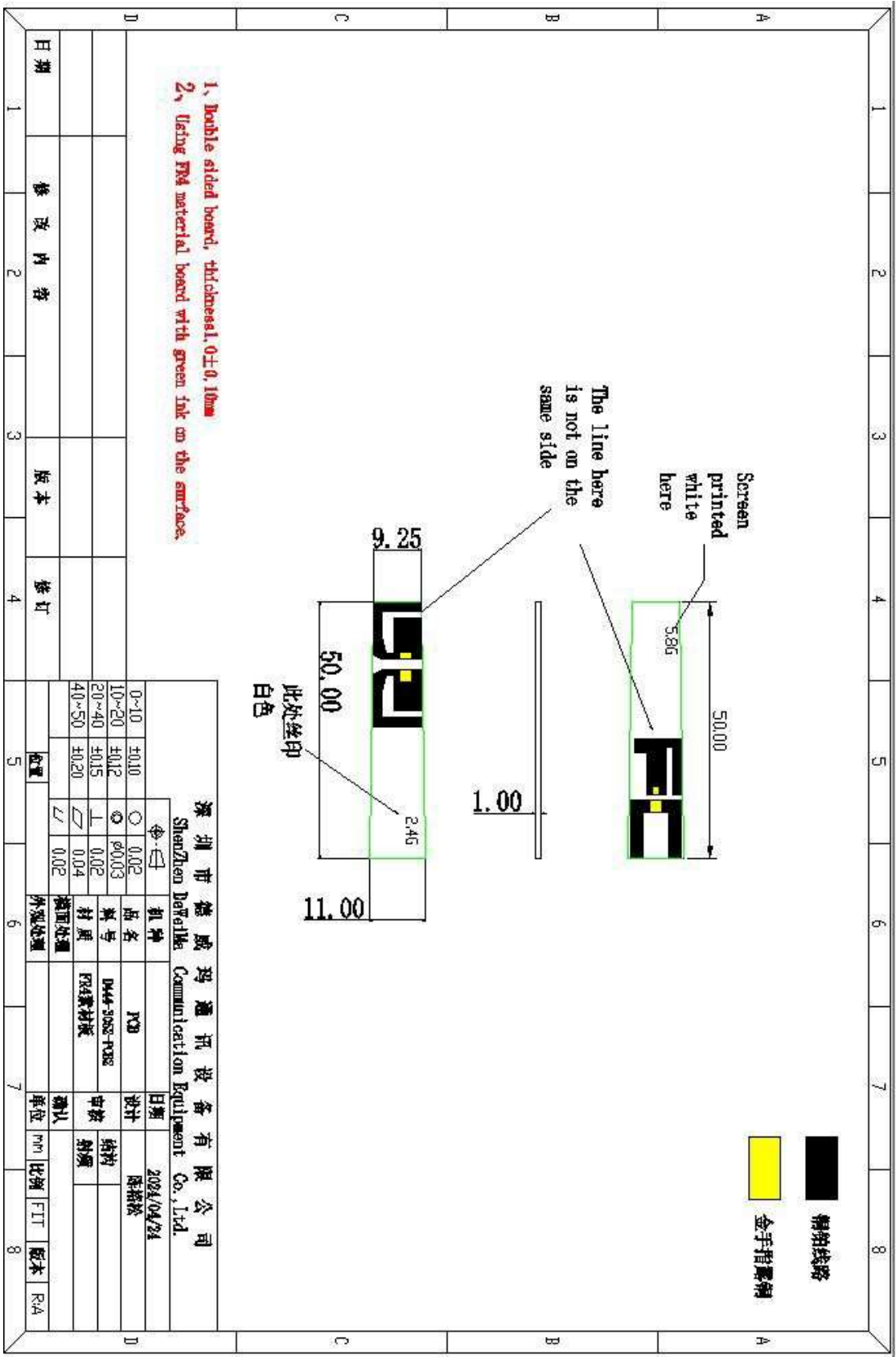
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4. Product photo



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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.

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°C Humidity:≤70%

7. Packing metho

Bag shipment, 100pcs.