

Product Acknowledgment

Cover/SignaturePage

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Province

Kexin Part Number: NZ***

Specification Description: 2. 4G/5. 8G-PCB Antenna-RG1. 13-IPEX

Production Date: 2026 年 06 月 03 日

Factory Delivery Confirmation:

Department	Review	Approval
Radio Frequency De- partment	Zhou	Lee
Structural Department	Lee	Lee
Quality Department	Liu	Fei Wang

Customer Confirmation:

Check	Review	Approval

Text Control Record

△Record of Document Formulation, Revision and Abolition

Document Name	Date	Control Revision	Related Content	Formulate	Approval
Sample Approval Form	2026. 06. 03	V1	First production	Eileen	Lee

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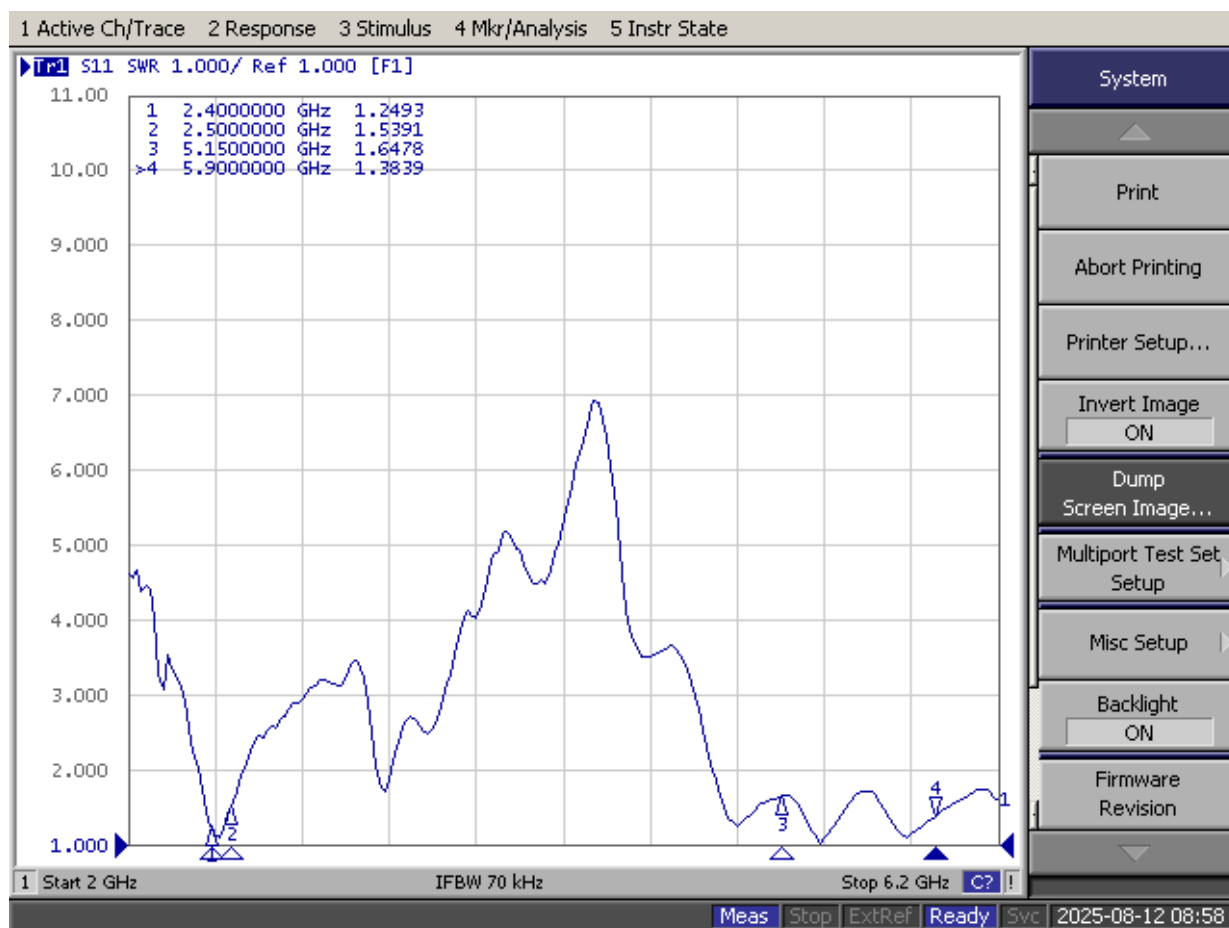
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Product Performance Parameters

Electrical Specifications	
Frequency Range (MHz)	800-2700MHz/5150-5850MHz
Input Impedence (Ω)	50
V.S.W.R	≤ 2 (No matching equipment, for reference only)
Gain (dbi)	4 $\pm$ 1 (No matching equipment, for reference only)
Polarization Type	Liner
Radiation Direction	Omni-Directional
Continuity Test	channel
Mechanical Specifications	
Antenna size(mm)	70*8.3*0.6mm
Connect Type	IPEX
Radome Material	PCB
Radome Color	Black
Operating Temp	-30 ~ +75 °C

Electrical Performance Test Report:

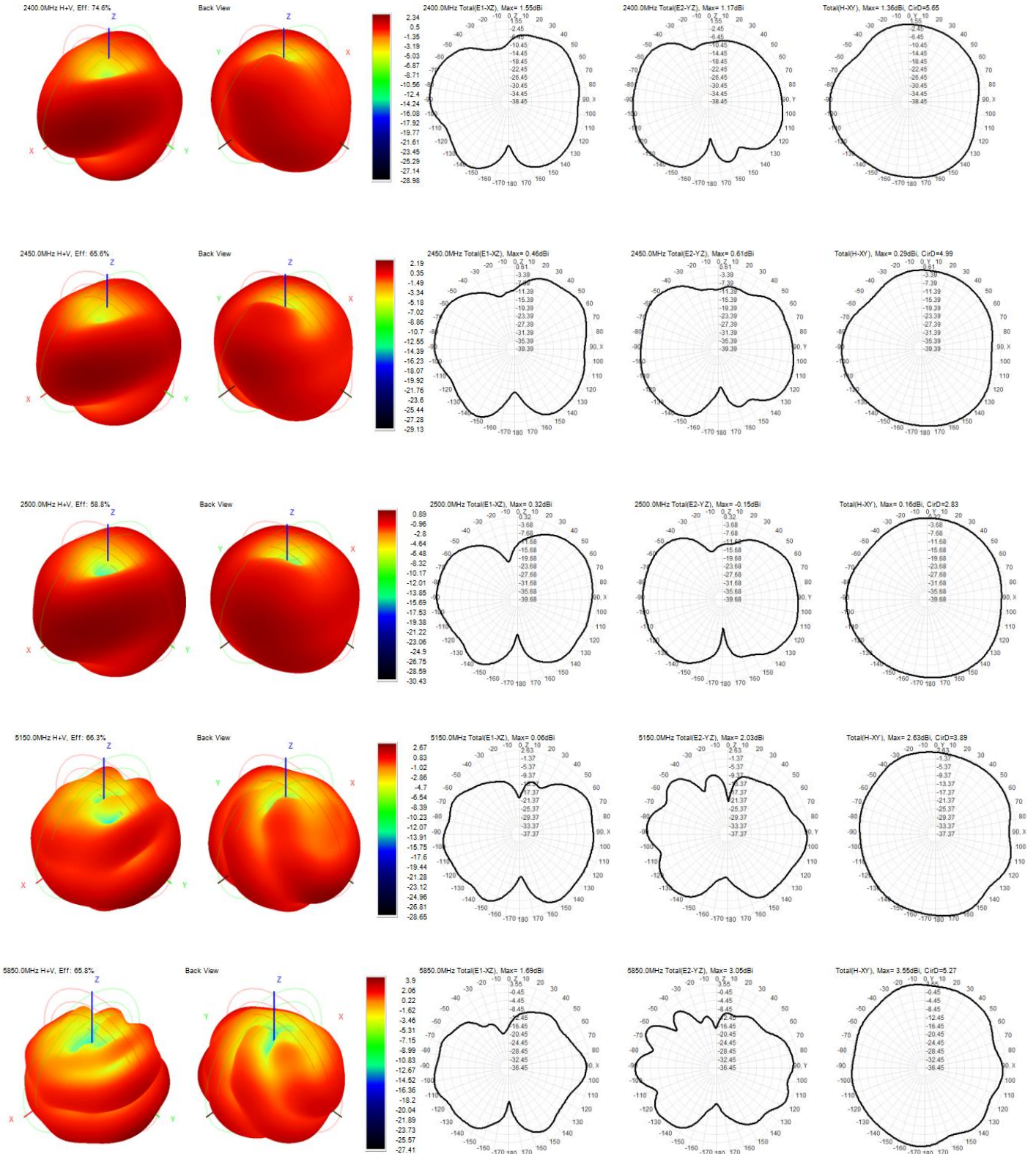
VSWR



Efficiency & Gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	74.62	2.34
2450	65.58	2.19
2500	58.83	0.89
5150	66.32	2.67
5850	65.84	3.90

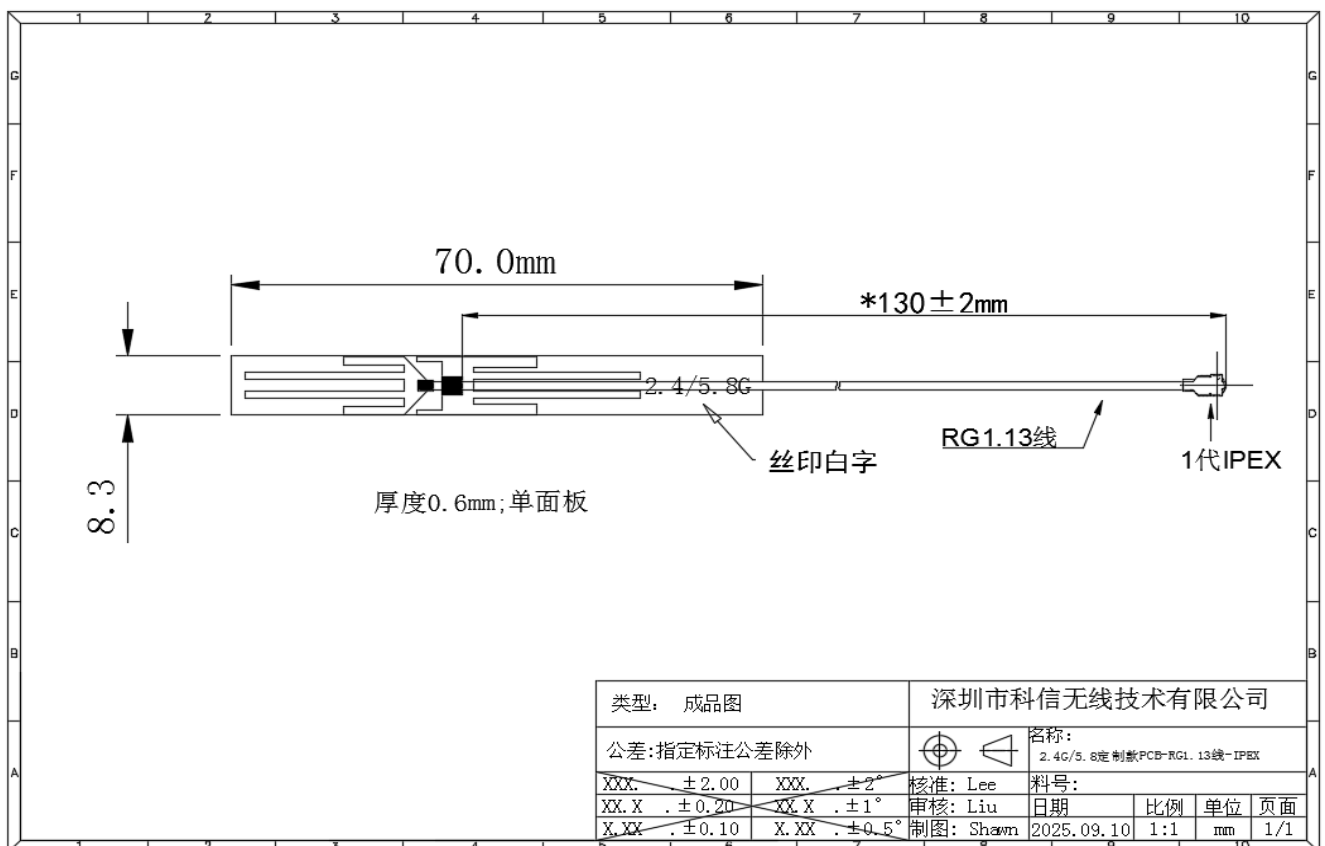
3D&2D Pattern



Actual product pictures



Product dimension drawing



Environmental Test Report

8.1 High and low temperature humidity test

Test Name		Product Name and Specification	2. 4G-5. 8G-PCB Antenna	
Test Item	High temperature, low temperature and constant humidity tests			
Requirement	Constant temperature and humidity test chamber	Number of tests	1PCS	
Test Method	1. The metal surface coating shall be free from defects such as peeling, cracking and wrinkling; non-metallic parts shall not have phenomena such as discoloration, cracking, deformation and degumming.			
Result Determination	Test Items	Requirements	Test Method	Result Determination
High - temperature Test	Temperature (°C) Test sample temperature time (h) Test duration (h) Recovery time (h)	75±3 1 2 1	Test steps: a) Put the tested piece into the test chamber, then adjust the temperature of the high-temperature chamber to 75°C±3°C, and monitor the time. b) After the test, place it at room temperature for 1 hour and conduct routine inspection.	Qualified
Low - temperature Test	Temperature (°C) Time for Test Sample to Reach Temperature (h) Test Duration (h) Recovery Time (h)	-30±3 1 2 1	Test procedures: a) Put the tested piece into the test chamber, then adjust the temperature of the high-temperature chamber to 75°C±3°C, and monitor the time. b) After the test, place it at room temperature for 1 hour and conduct routine inspection.	Qualified
Constant damp heat test	Temperature (°C) Relative Humidity(%) Test Duration (h) Recovery Time (h)	+40±3 90-95 21 1	a) Put the tested piece into the test chamber, then adjust the temperature of the test chamber to +40°C±3°C and the humidity to 90-95%, and monitor the time. b) After the test, place it at room temperature for 1 hour and conduct routine inspection.	Qualified
Inspector: Liu Chunyu		Review: Wang Fei		

8.2 Salt spray test

Part Number		Product Name and Specification	2. 4G-5. 8G-PCB Antenna	
Test Items	Salt spray test			
Testing equipment	Salt spray testing machine	Number of tests	1PCS	
Inspection Standard	1. The metal surface coating shall not peel off; there shall be no defects such as rust, corrosion, oxidation, etc. on the appearance.			
Test Name	Test Items	Requirements	Test Method	Result Judgment
Salt spray test	1. NaClconcentration: 2. Air pressure: 3. PH value: 4. Spray volume: 5. Brine test temperature setting a. Laboratory temperature: b. Pressure barrel temperature: 6. Test time:	40-60g/1kg 1.0±0.01kgf ㎡ 6.5-7.2 1.0-2.0ml/80c/h 35±1℃ 47±1℃ 12H	Test steps: a) Adjust the salt spray testing machine to the relevant test conditions. b) Put the tested piece into the salt spray testing machine and leave it for 12 hours. After the test, rinse it with clean water, visually inspect the appearance of the tested piece, and conduct routine inspection.	Qualified
Inspector: Liu Chunyu			Review: Wang Fei	