

acknowledgement

customer name : _____

Customer part number:_____

Kexin Material Code: NZ0002

Specification description: 2.4/5.8G built-in FPC31*5.5-12CM-IPEX

Date of production: 03 March 2026

Factory confirmation:

department	examine and verify	ratify
Radiofrequency section	Zhou Xihua	Li Hanqing
structural part	Li Zhixiao	Li Bin
quality department	Liu Chunyu	Fei Wang

Customer confirmation:

check up	examine and verify	ratify

△ **Document creation, modification, and revocation records**

filename	date	Control version	Related content	Develop	ratify
Sample	2026.03.03	V1	First creation	Dai	Li Bin

Address: Building H, Hong Yongli Industrial Zone, Shabei Li, Baolong Street, Longgan10 District, Shenzhen

TEL:0755-28700870 FAX: 0755-28483275

Website:www.kxwxjs.com

Acknowledg ment Letter				Yiling	

catalogue

1.Cover/Signature Page.....	1
2. Text control record.....	2
3. Table of Contents.....	3
4.Product Performance Parameters.....	4
5.Product dimension diagram.....	5
6. Electrical Performance Test Report.....	6-7
7. Actual product photos.....	8
8. Environmental Experiment.....	8-9

4、 Product performance parameters

Electrical Performance Indicators
--

Address: Building H, Hong Yongli Industrial Zone, Shabei Li, Baolong Street, Longgang District, Shenzhen

TEL:0755-28700870 FAX: 0755-28483275

Website:www.kxwxjs.com

Shenzhen Kexin Wireless Technology Co., Ltd.

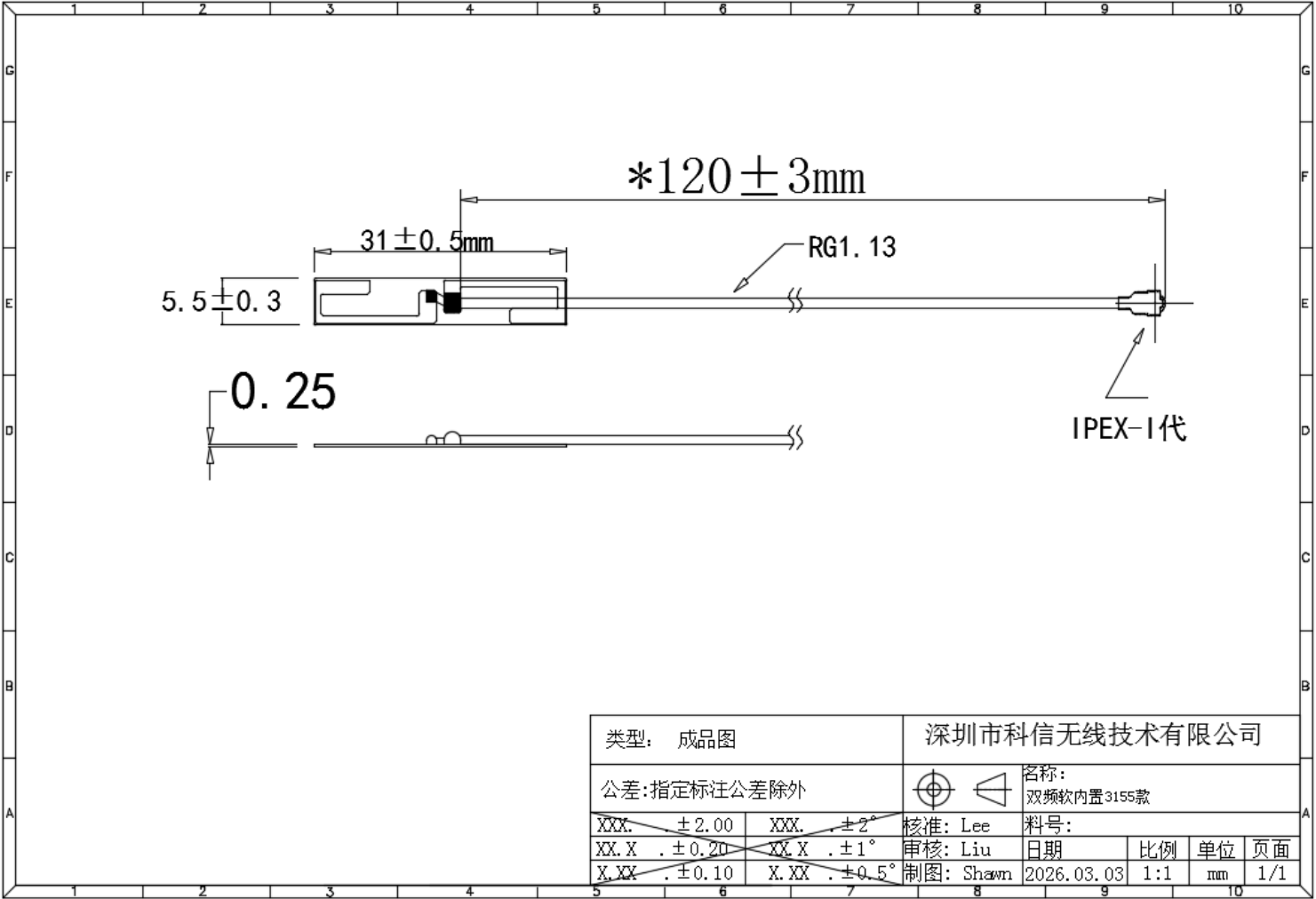
Frequency Range	2400-2500/5150-5850MHz
Input Impedance (Ω)	50
Voltage Standing Wave Ratio (V.S.W.R.)	≤ 2.2 (Unmatched device, for reference only)
Reference gain (dBi)	3 ± 1 (Unmatched device, for reference only)
Polarization Type	linear
Radiation Direction	Omni-directional
Open-circuit Test	thoroughfare
Mechanical Parameters	
Antenna size (mm)	31*5.5mm
Connector Model	IPEX
Shell Material Radome Material	FPC
Shell Color Radome Color	black
Working Temperature	-30 ~ +75 °C

Address: Building H, Hong Yongli Industrial Zone, Shabei Li, Baolong Street, Longgan District, Shenzhen

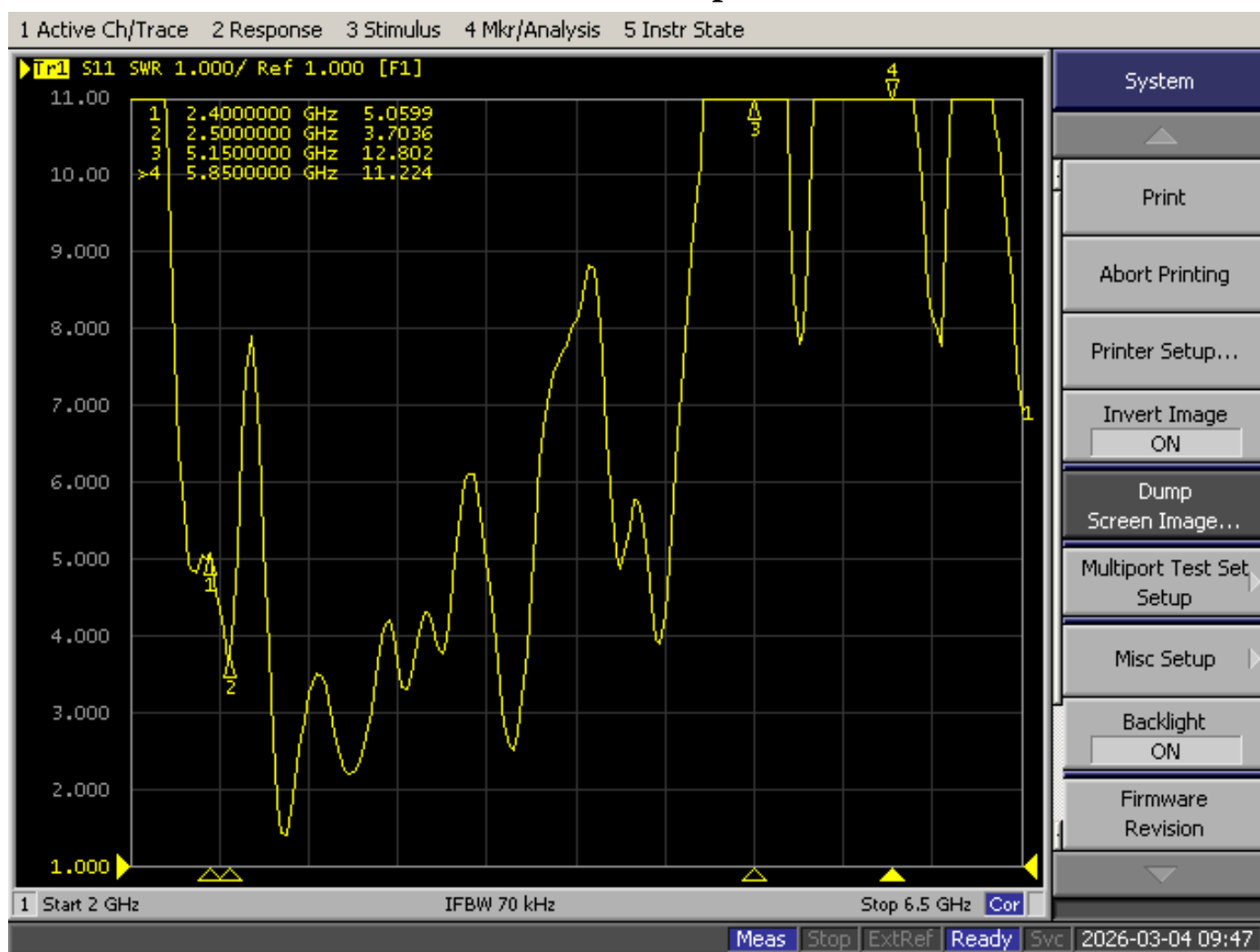
TEL: 0755-28700870 FAX: 0755-28483275

Website: www.kxwxjs.com

5、Product size diagram



6、Electrical Performance Test Report: VSWR



Efficiency & Gain

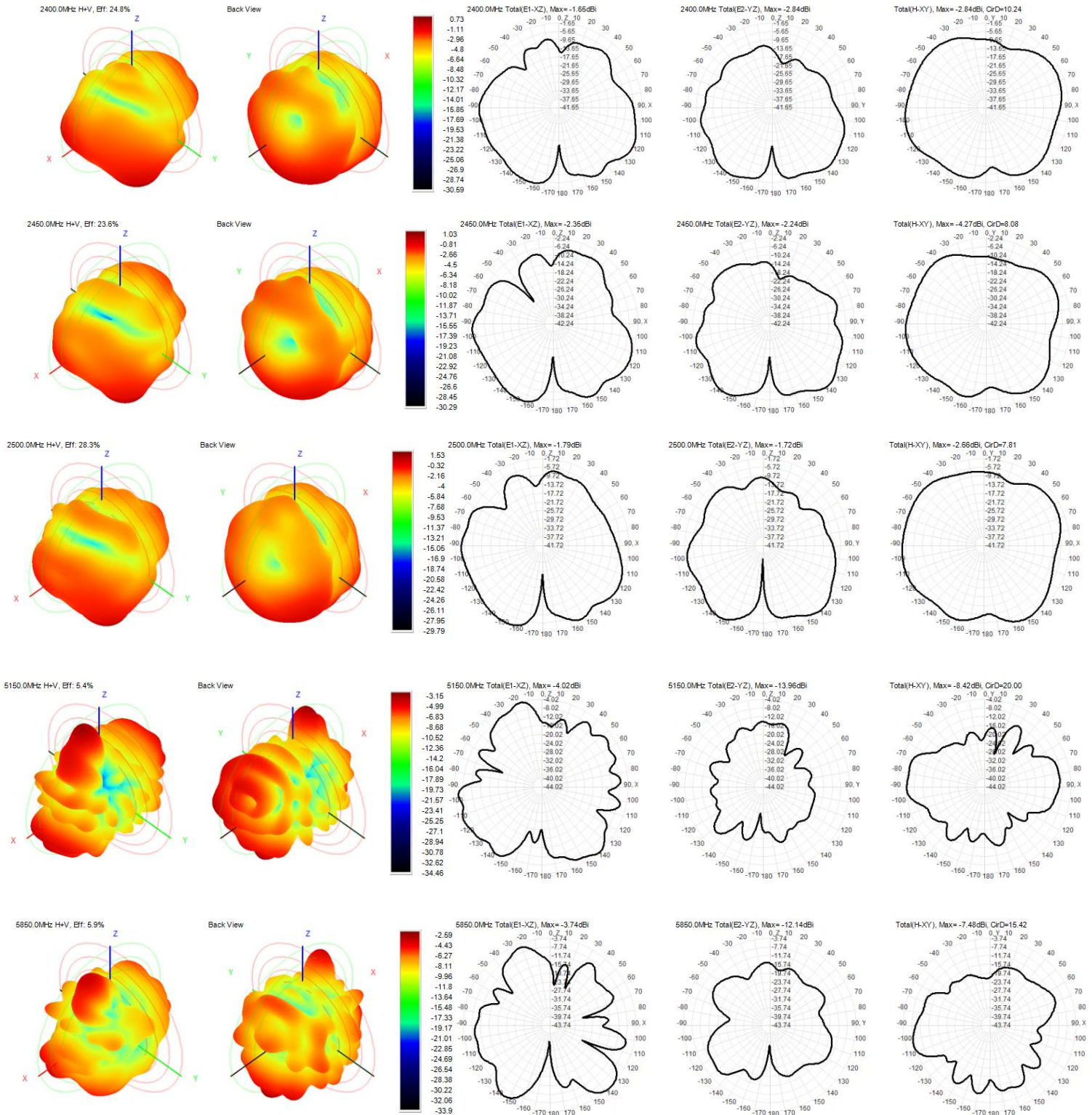
Freq (MHz)	Effi (%)	Gain (dBi)
2400	24.82	0.73
2450	23.57	1.03
2500	28.27	1.53
5150	5.39	-3.15
5850	5.88	-2.59

Address: Building H, Hong Yongli Industrial Zone, Shabei Li, Baolong Street, Longgan District, Shenzhen

TEL:0755-28700870 FAX: 0755-28483275

Website:www.kxwxjs.com

3D and 2D Direction Diagram

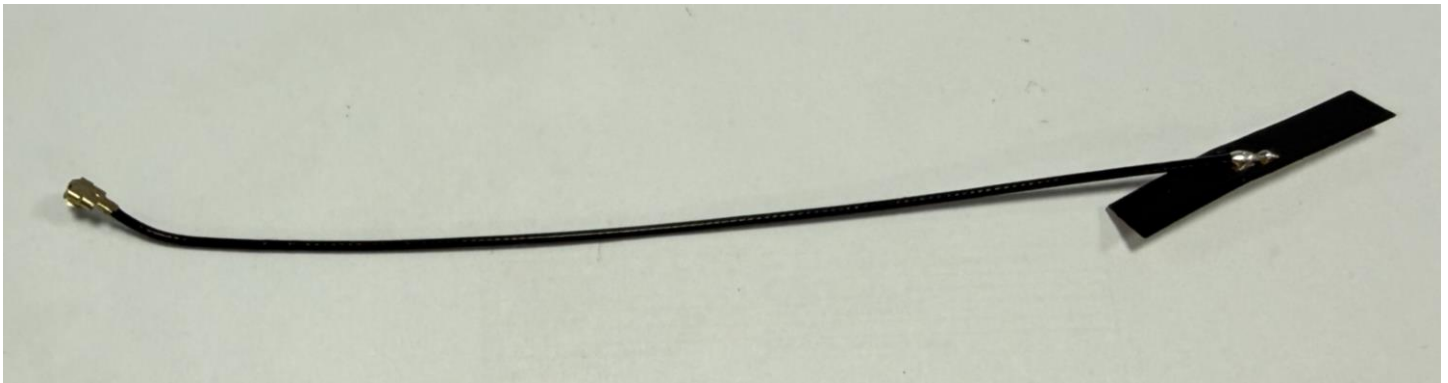


Address: Building H, Hong Yongli Industrial Zone, Shabei Li, Baolong Street, Longgang District, Shenzhen

TEL:0755-28700870 FAX: 0755-28483275

Website:www.kxwxjs.com

7、Product photos



8. environmental test

Environmental Test Report

8.1 High/Low Temperature and Constant Humidity Test

P / N			Product Name and Specifications	Dual-band FPC3115 model
test item	High Temperature, Low Temperature, and Constant Humidity Testing			
detection device	Constant Temperature and Humidity Test Chamber		Number of tests	1PCS
acceptance standard	1. The metal surface coating shall be free from peeling, cracking, wrinkling, or other defects; non-metallic components shall not exhibit discoloration, cracking, deformation, or delamination.			
Experiment name	test item	ask	experimental method	Result determination
hot test	temperature (°C) Temperature-time (h) of test samples Duration of trial (h) recovery time (h)	75±3 1 2 1	test procedure : a) Place the test specimen 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 at room temperature for 1 hour and perform routine inspections.	Qualified
cold test	temperature (°C) Temperature-time	-30±3	test procedure : a) Place the test specimen	Qualified

Shenzhen Kexin Wireless Technology Co., Ltd.

	(h) of test samples Duration of trial (h) recovery time (h)	1 2 1	into the test chamber, then adjust the temperature of the low-temperature chamber to-30°C ±3°C, and monitor the time. b) After the test, place at room temperature for 1 hour and perform routine inspections.	
steady-state damp heat test	temperature (°C) relative humidity (%) Duration of trial (h) recovery time (h)	+40±3 90-95 21 1	a) Place the test specimen into the test chamber, then adjust the chamber temperature to +40°C ±3°C with humidity maintained at 90-95%, and monitor the duration. b) After the test, place at room temperature for 1 hour and perform routine inspections.	Qualified
Inspector: Liu Chunyu Reviewer: Wang Fei Inspector: Liu Chunyu Reviewer: Wang Fei				

8.2 Salt Spray Test

P / N		Product Name and Specifications	Dual-band FPC3115 model	
test item	Fogging test			
detection device	Fogging Test Machine	Number of tests	1PCS	
acceptance standard	1. The metal surface coating remains intact without peeling; no adverse phenomena such as rusting, corrosion, or oxidation are observed externally.			
Experiment name	test item	ask	experimental method	Result determination
salt spray test	1.NaCl concentration: 2. Air pressure: 3.PH value: 4. Spray volume:	40-60g/1kg 1.0±0.01kgf m² 6.5-7.2 1.0-2.0ml/80c/h.	test procedure : a) Adjust the salt spray tester to the relevant test conditions. b) Place the test specimen into the salt	Qualified

Address: Building H, Hong Yongli Industrial Zone, Shabei Li, Baolong Street, Longgan District, Shenzhen

TEL:0755-28700870 FAX: 0755-28483275

Website:www.kxwxjs.com

Shenzhen Kexin Wireless Technology Co., Ltd.

	5. Saline solution test temperature setting a.Laboratory temperature: B.tank temperature: 6. Test time:	35±1℃ 47±1℃ 12H	spray tester and expose it for 12 hours. After the test, rinse with clean water, visually inspect the appearance of the test specimen, and perform routine inspection.	
Inspector: Liu Chunyu Reviewer: Wang Fei Inspector: Liu Chunyu Reviewer: Wang Fei				