

Product Acknowledgment

Cover/SignaturePage

Customer Name: _____

Customer Part Number: _____

Kexin Part Number: JBSP0006

Specification Description: 2.4-5.8G dual-band rubber rod antenna

Production Date: 2025 年 08 月 15 日

Factory Delivery Confirmation:

Department	Review	Approval
Radio Frequency Department	Zhou Xihua	Lee
Structural Department	Shawn	Lee
Quality Department	Liu Chunyu	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	2025. 08. 15	V1	First production	Eileen	Lee

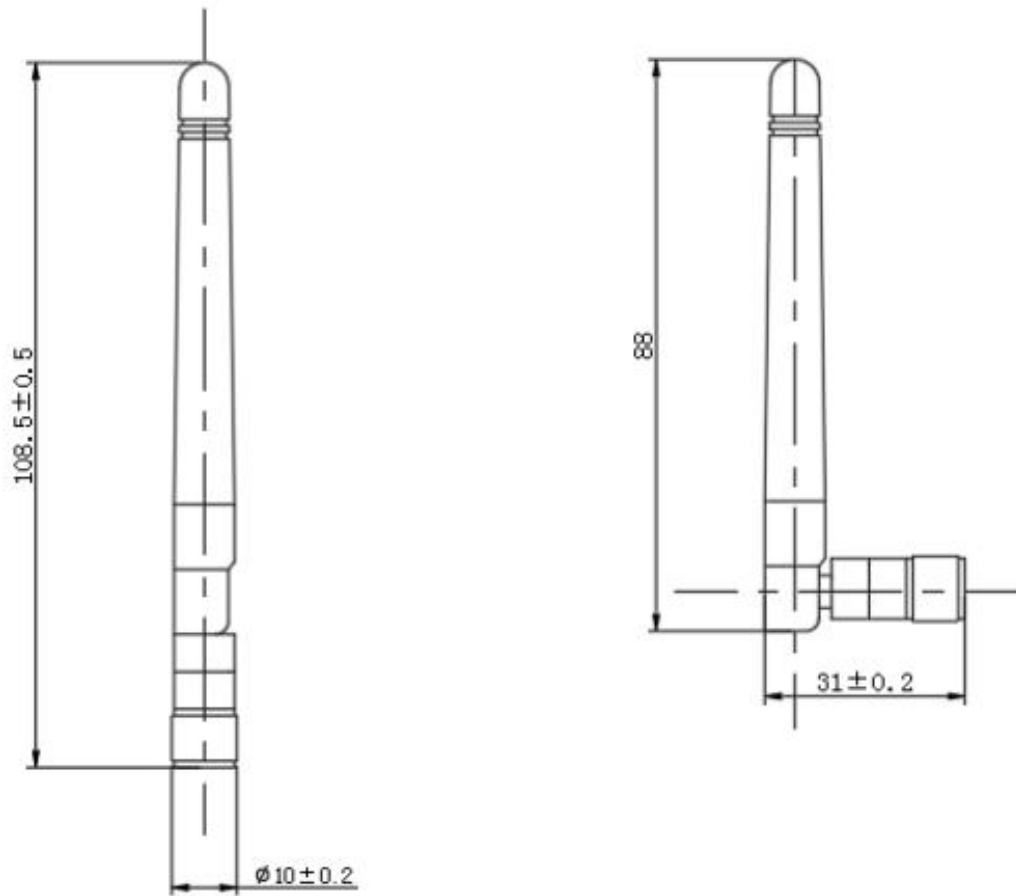
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Product Performance Parameters

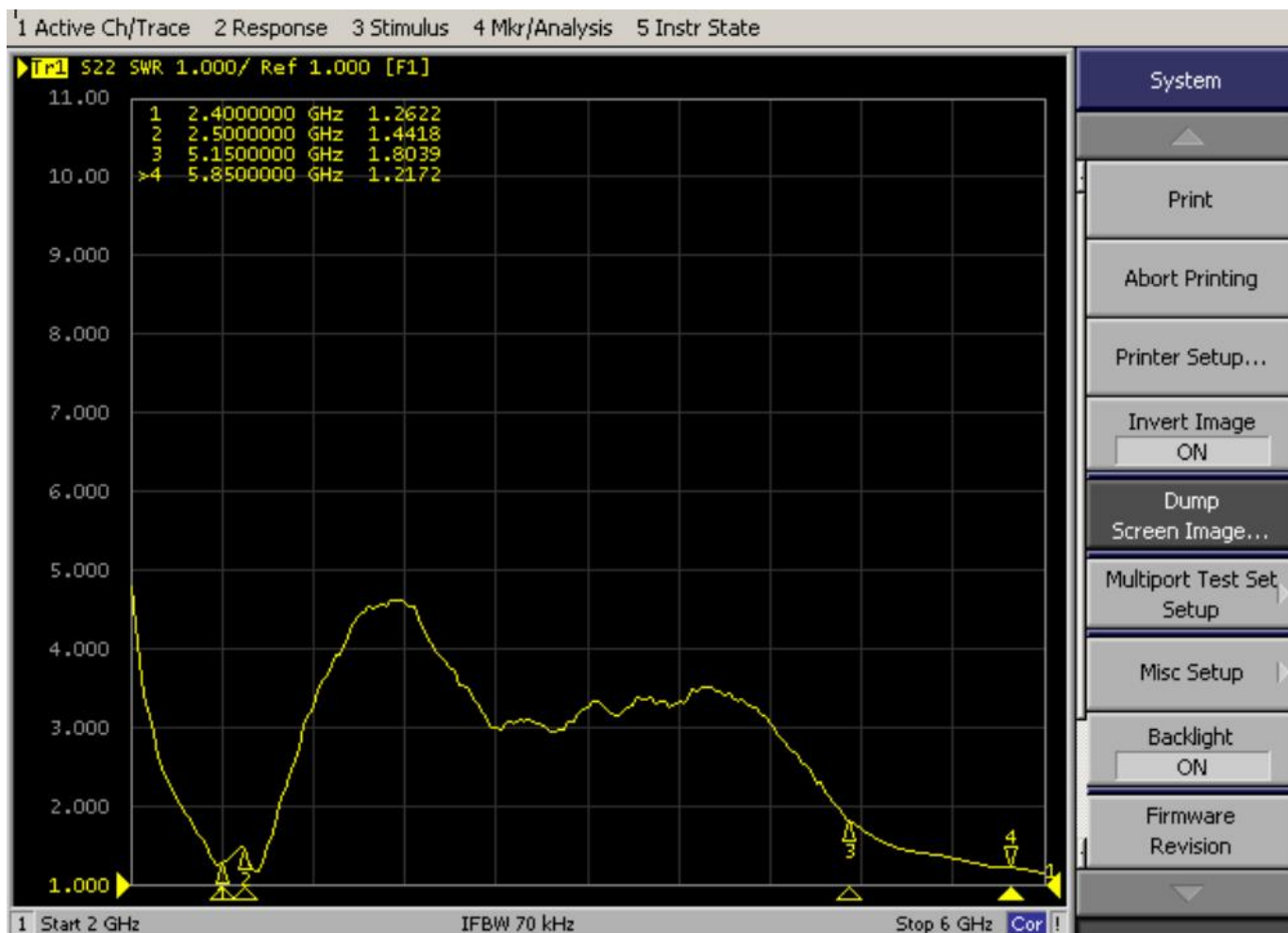
Electrical Specifications	
Frequency Range (MHz)	2400-2500/5150-5850MHz
Input Impedence (Ω)	50
V.S.W.R	≤ 2.0 (No matching equipment, for reference only)
Gain (dbi)	2 ± 0.5 (No matching equipment, for reference only)
Polarization Type	Vertical polarization
Radiation Direction	Omni-Directional
Continuity Test	channel
Mechanical Specifications	
Antenna size(mm)	$\Phi 10*108.5\text{mm}$
Connect Type	SMA-J
Radome Material	ABS
Radome Color	Black
Operating Temp	$-30 \sim +75\text{ }^{\circ}\text{C}$

Product dimension drawing



Electrical Performance Test Report:

VSWR

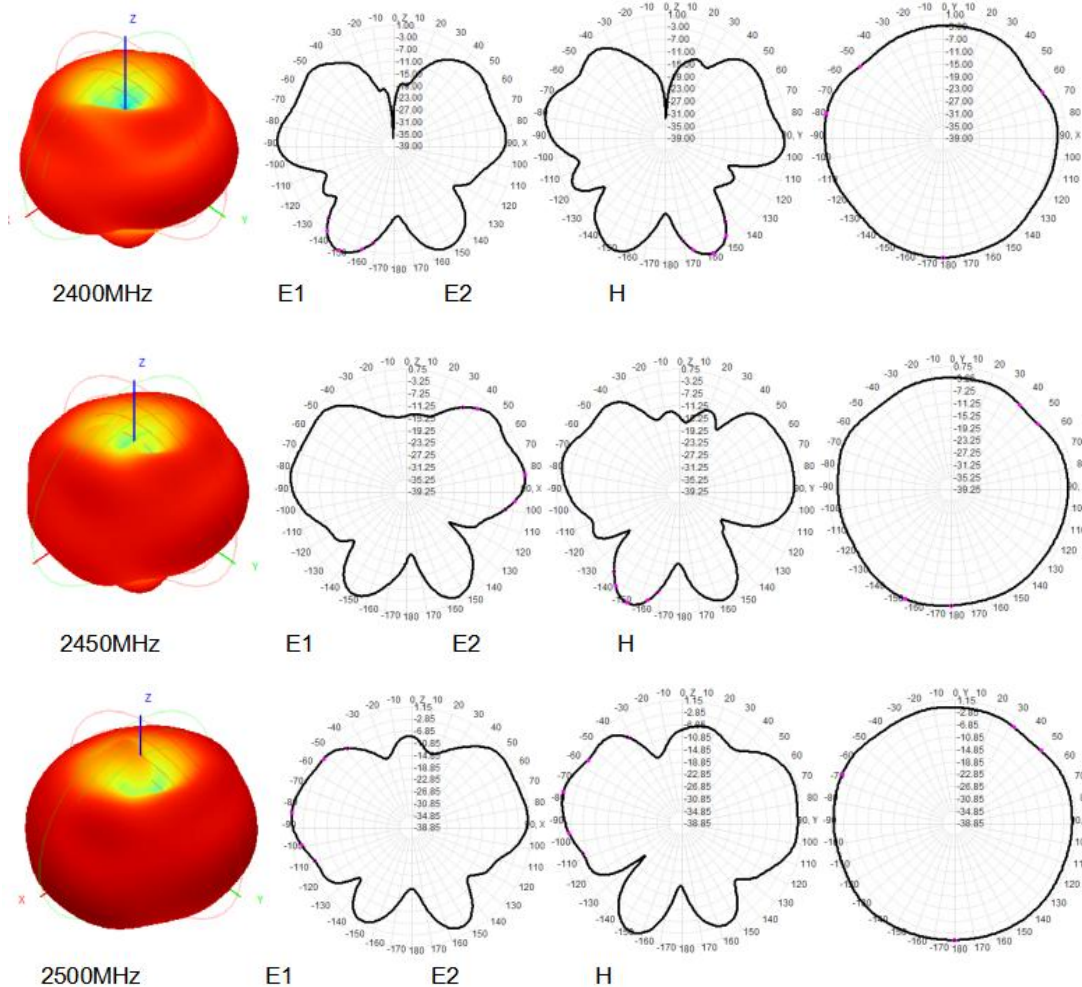


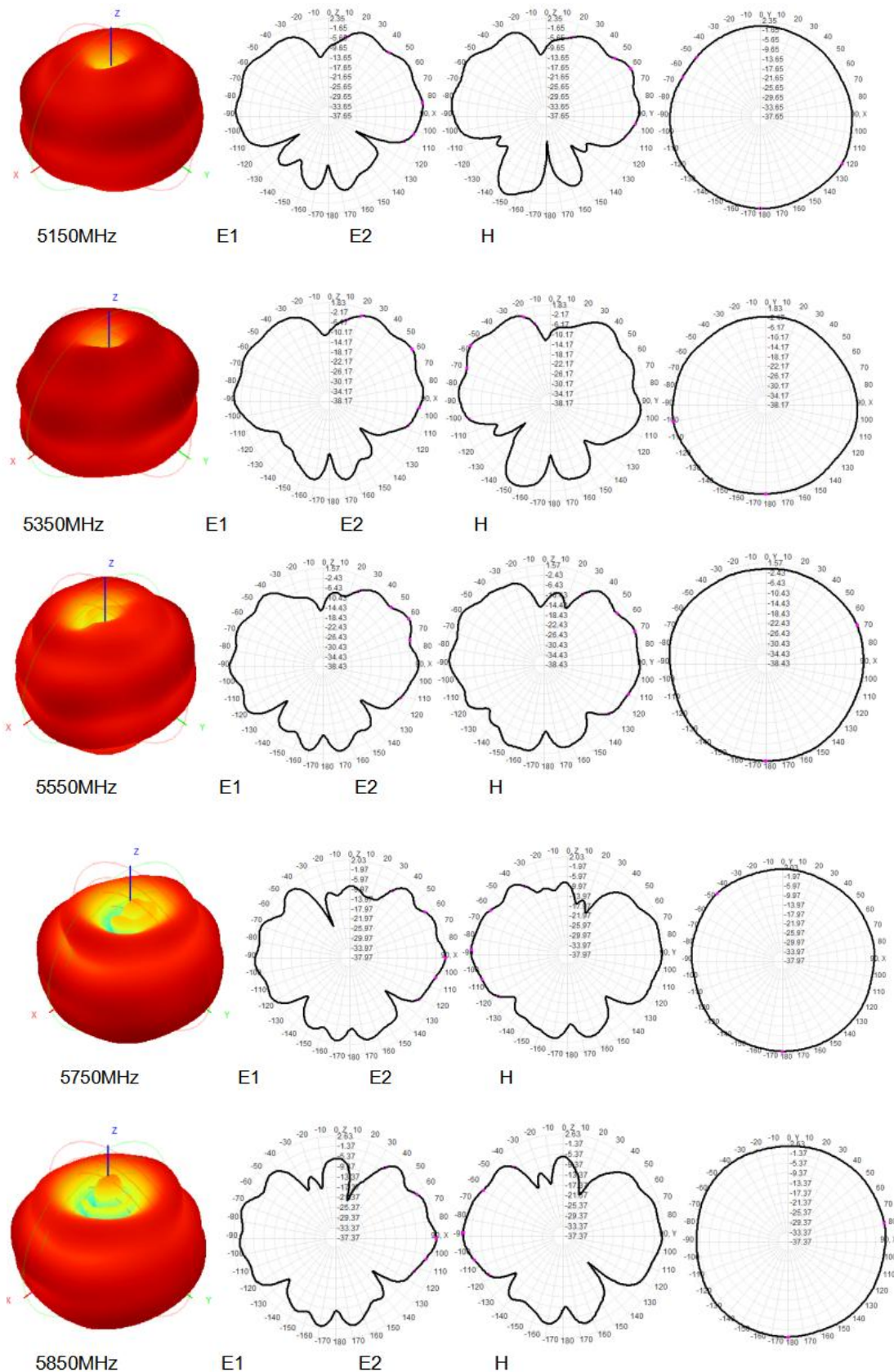
Efficiency & Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	41.45	1.69
2450	41.57	1.70
2500	51.22	1.89
5150	64.01	2.51
5250	63.59	2.49

5350	56.40	1.93
5450	54.04	2.04
5550	57.32	1.93
5650	56.16	1.83
5750	60.93	2.06
5850	65.78	2.53

3D&2D Pattern





Actual product pictures



Environmental Test Report

8.1 High and low temperature humidity test

Test Name	JBSP0006	Product Name and Specification		2. 4-5. 8G dual-band rubber rod 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	Qualified

			for 1 hour and conduct routine inspection.	
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	JBSP0006	Product Name and Specification	2. 4-5. 8G dual-band rubber rod 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. NaClconcentrat ion: 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 m² 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		