

Acknowledgement

customer name : _____

Customer part number: _____ Wind Material Number: JF101245

Specification description: Built-in 2.4G-WIFI spring antenna 22.9*4.35*

8.00-T0.3MM Production date: May 09, 2025

Factory confirmation:

Department	Examine and verify	Ratify
Radio Frequency Department	Zhang Yayong	
Structural part	Zhao Pengtao	
Quality department	Liu Xiaojun	

Customer confirmation:

Check up	Examine and verify	Ratify

Manufacturer Beijing Jingfeng Technology Co., Ltd.

Address No. 2-1090, 1093 Luyuan South Street, Tongzhou District, Beijing



Technology

△Document creation, modification, and revocation records

Filename	Date	Control version	Related content	Lay down	Ratify
Sample admission certificate	2025. 05. 09	V1	First creation	Zhao Pengtao	Wang Shuo

Catalogue

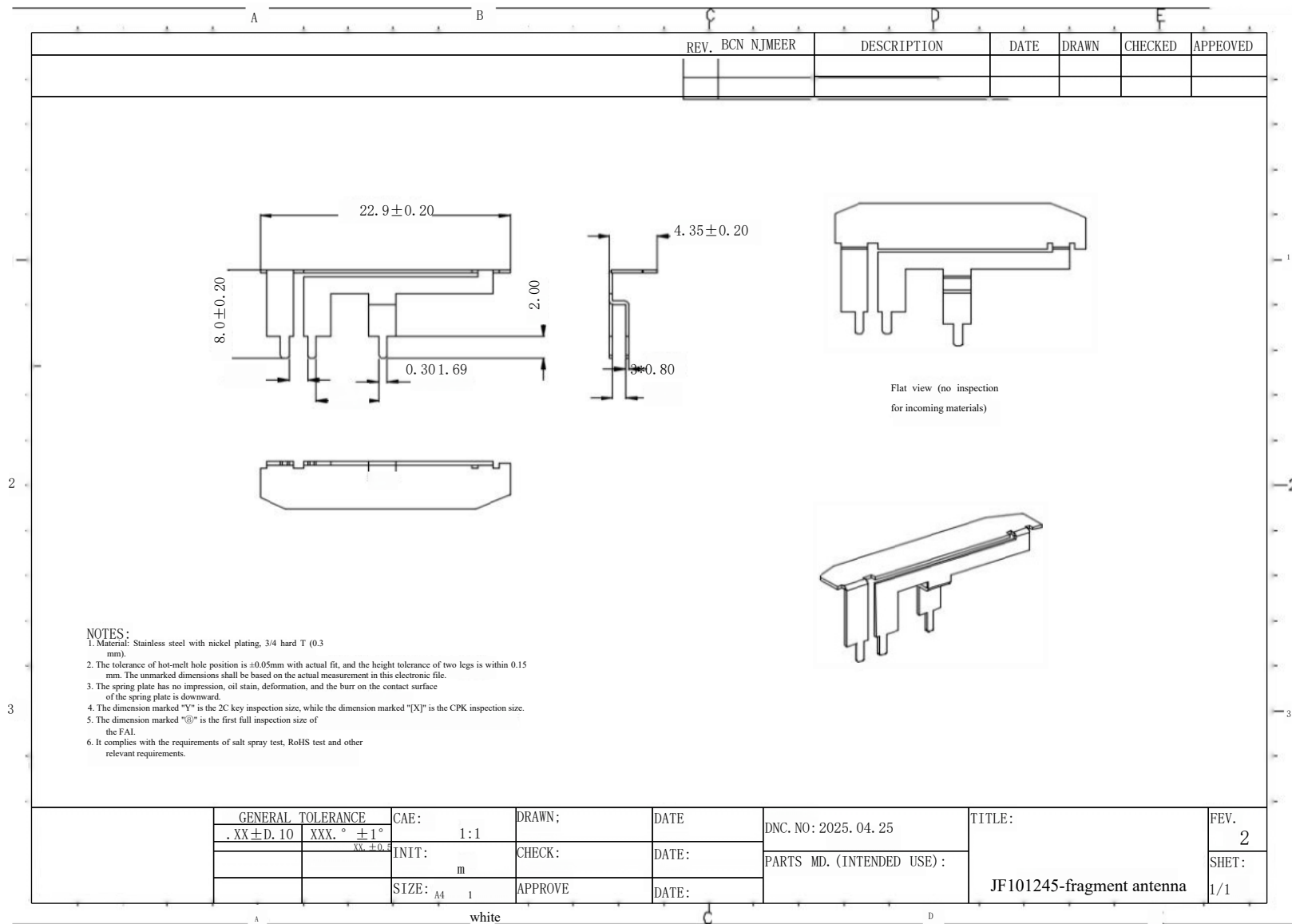
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4、Product Performance Parameters

Electrical parameters	
Frequency range	2400–2500MHz
Input impedance	50 Ω
Standing-wave ratio	≤ 1.92
Gain	$\geq 2.0\text{dBi}$
Power capacity	1W
High-voltage insulation test	1KV
Open circuit test	Thoroughfare
Polarization mode	Linear polarization
Radiation direction	Omnidirectional
Mechanical parameter	
Material quality	Stainless nickel-plated
Antenna size	22.9*4.35*8.00–T0.3MM
Salt spray test	More than 24 hours
Enviromental parameter	
Working temperature	$-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Storage temperature	$-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$

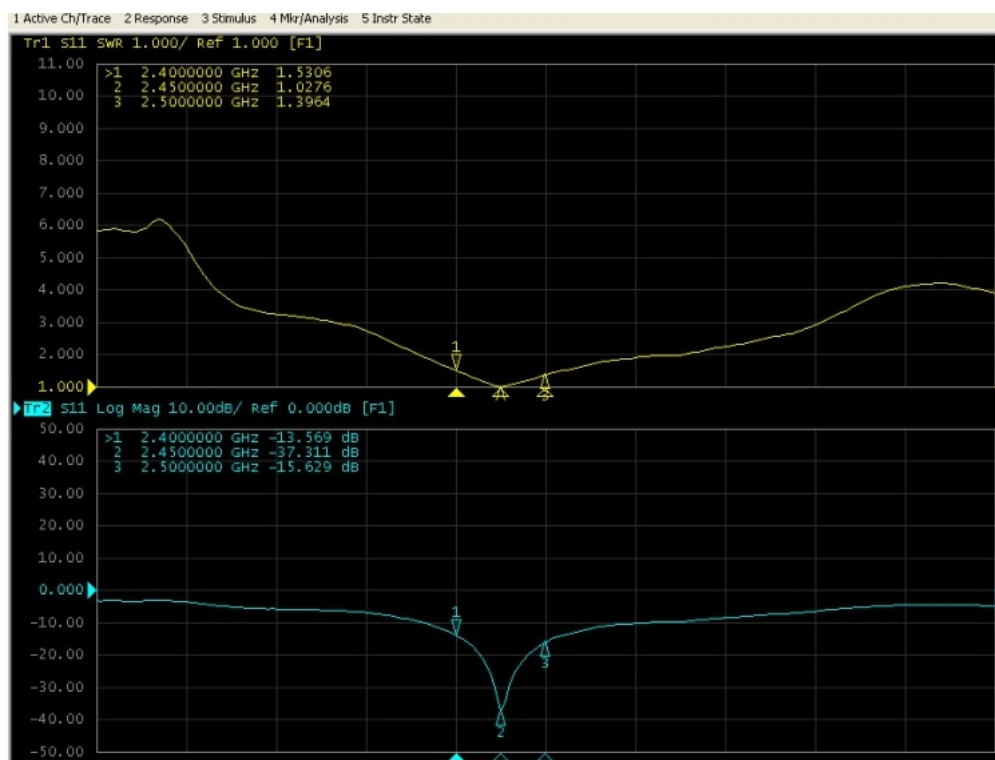


5. Drawings of Product Design



6、Electrical Performance Test Report

VSWR/Return Loss

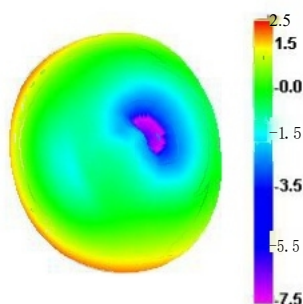


Efficiency & Gain:

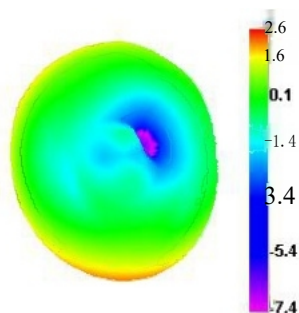
Freq (MHz)	Effi (%)	Gain (dBi)
2400	70.35	2.48
2410	64.22	2.05
2420	61.02	1.91
2430	64.85	2.28
2440	64.28	2.3
2450	67.06	2.55
2460	63.21	2.19
2470	61.3	2.12
2480	62.32	2.29
2490	70.92	2.97
2500	69.96	3.05

3D Field Diagram

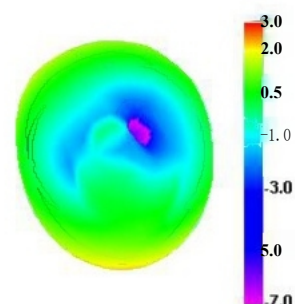
2400.000MHz



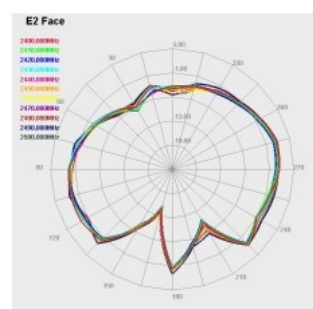
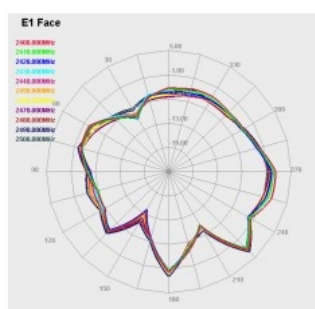
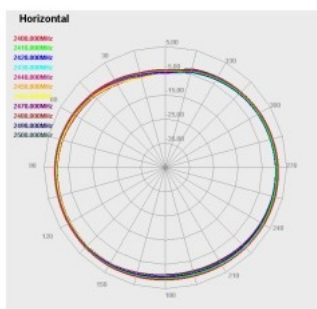
2450.000MHz



2500.000MHz



2D Directional Chart



7. Packing Requirement

	Packaging of incoming materials	1、Antenna tape package 850/roll, then into the outer packaging box; 2、Attach the certificate of conformity and product label to each roll. Sign ; 3、Traceable production batch information label	See the figure below
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