

Specification For Approval

Customer

Supplier

Huizhou Jingu Communication Technology Co., Ltd

Customer P/N

TX0002

Production Name

2.4G Antenna

Production Number

DW-2.4G-V1.2

Supplier Signature		
Engineer	Checked by	Approved by
jojo	lihui	jacky
January 9, 2026	January 9, 2026	January 9, 2026
Customer Signature		
Engineer	Checked by	Approved by
Date:	Date:	Date:

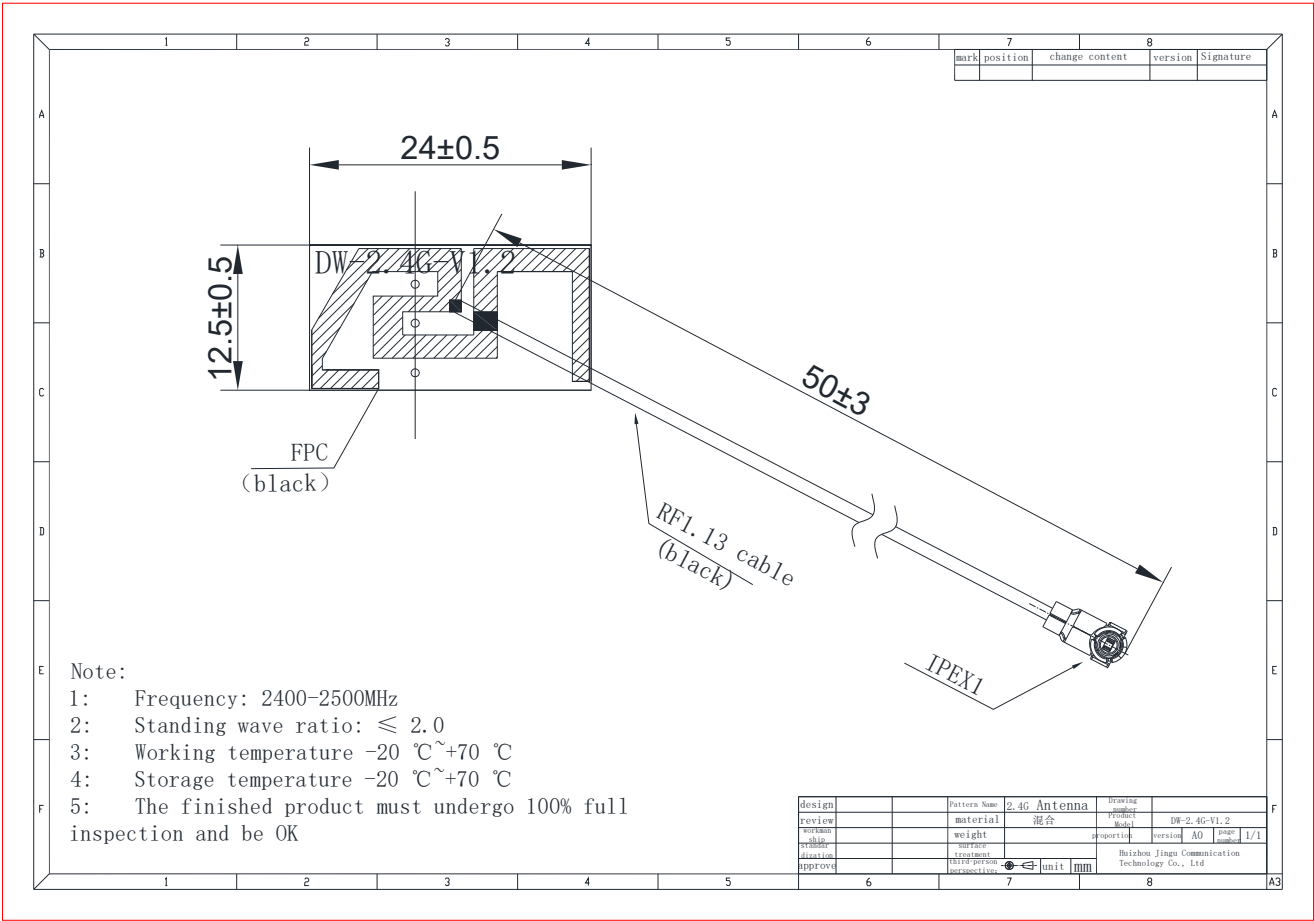
Note: After the customer confirms and stamps this document, please return the acknowledgment to our company.

Company name:Huizhou Jingu Communication Technology Co., Ltd

Address of the factory:No. 3, 3rd Floor, Building A, Liangwu 13, No. 5 Baiyun Road, Shuicheng, Huiyang District, Huizhou City

Contact person: Wei Qiaoling mobile phone: 18927480411

1.Product structural dimension drawing (unit: mm)



2. Technical parameters of the antenna

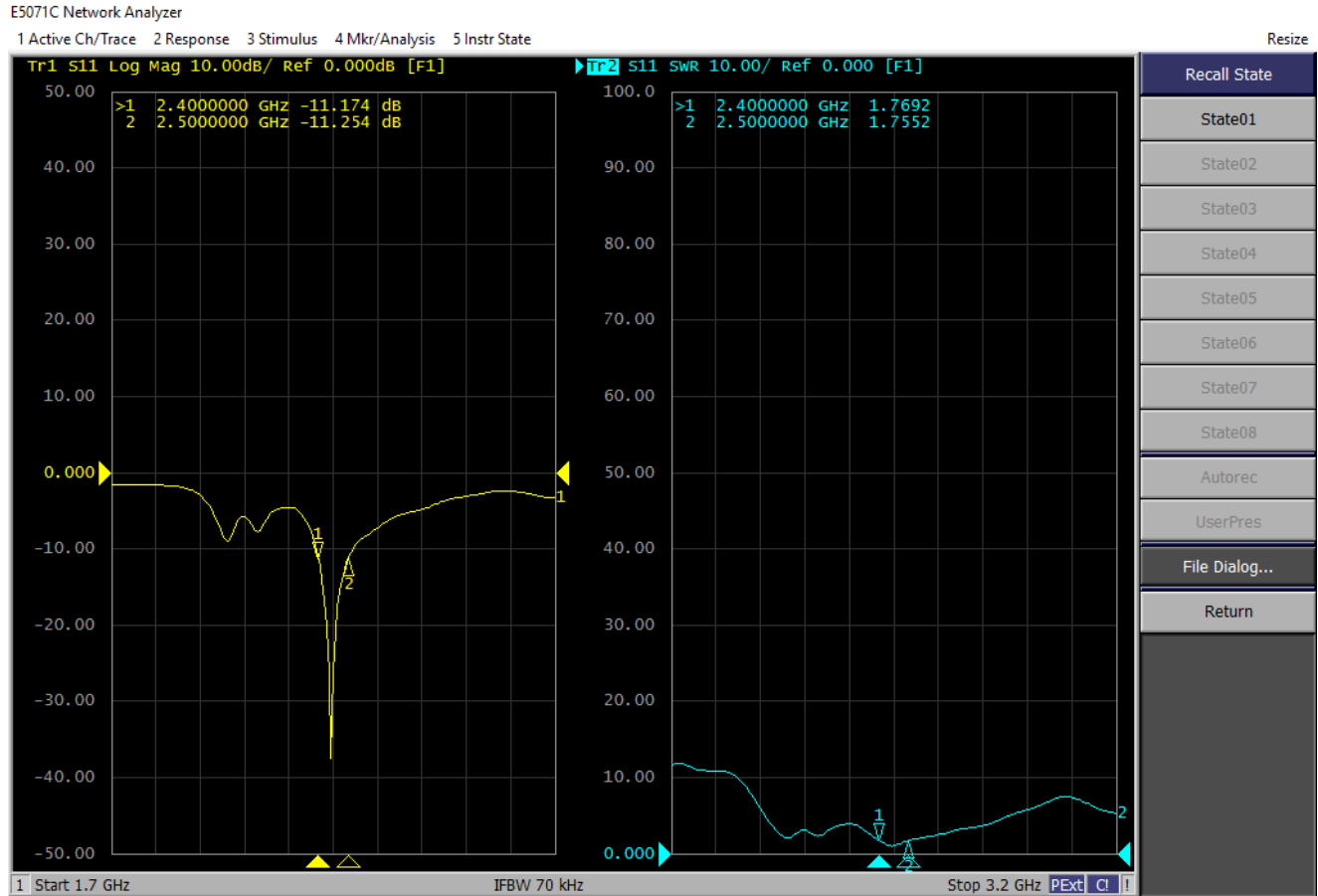
Received frequency range (MHz)	Ex: 2400-2500MHz
Polarization	Ex: linear polarization
V.S.W.R. (in Center Frequency)	Ex: ≤ 2.0
efficiency	Ex: $\geq 40\%$
gain gain	Ex: 3.49dBi (average), 3.69dBi (peak)
Connector Model	Ex: IPEX Generation 1
Active/passive	Ex: Passive
Dimensions (mm)	Ex: 24x12.5mm
Cable Specifications and dimensions	Example: RF1.13 cable (black) 50mm long
Operating Temperature	Ex: $-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$

3. Specifications of RF1.13 Wire

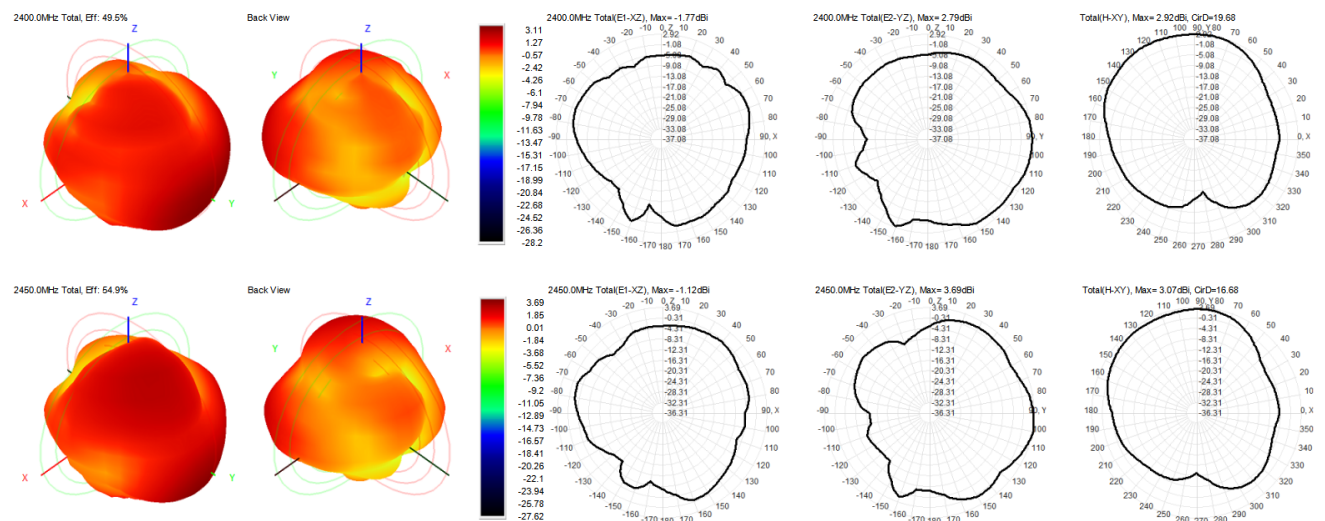
Product Type		RF113/50 bimetallic wire		
Structure Drawing				
Structure Characteristics				
Structure	project Item	Standard Value		
Inner Conductor	Material	Tinned Copper Wire		
	Construction(mm)	7/0.08		
	Nom.Dia(mm)	0.24±0.02		
Insulation	Material	FEP		
	Nom.Dia(mm)	0.70±0.02		
Outer Conductor	Material	Tinned Copper Wire 16*4/0.05		
	Nom.Dia(mm)	0.92±0.05		
	Coverage Ratio(%)	90±5		
Jacke	Material	FEP		
	Nom.Dia(mm)	1.13±0.05		
Electrical Characteristics				
Item	Standard Value	Item	Frequency	Standard Value
Impedanc (Ω)	50±2	Attenuation@ 20℃ (dB/m)	1GHz	2.20
Capacitance(pF/m)	98		2GHz	3.10
Velocity(%)	70		3GHz	3.80
VSWR	≤1.30@ DC-6GHz		4 GHz	4.40
Max.Operating Voltage(V)	1000		5GHz	4.90
Max.Operating Frequency(GHz)	6		6GHz	5.40
Dependability				
Min.Bending Radius/Single		mm	5	
Min.Bending Radius/Repeated		mm	10	
Operating Temperature		℃	-55-+200	
Trips for Use				
Storage Environment	Temperature: below 30℃, Humidity: 20-65%			
Processing Temperature	It can withstand high temperatures up to 260℃ for short periods, but decomposition occurs readily above 300℃, with significant thermal decomposition occurring beyond 400℃.			

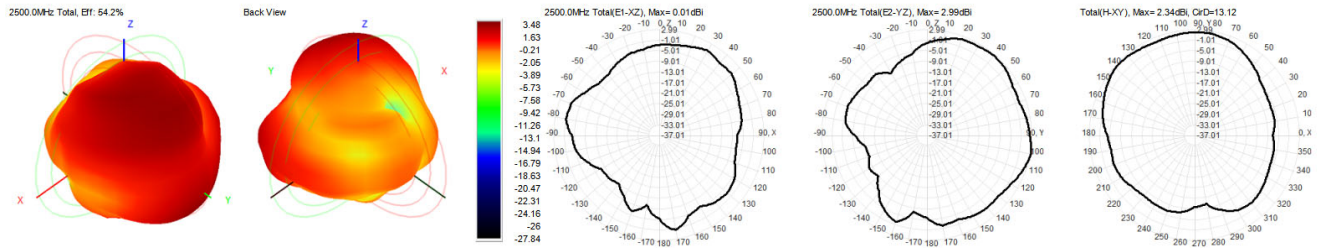
5. Performance Test Diagram (Matching Prototype Test)

1. Standing Wave Ratio (SWR) Chart & Return Loss (RL) Chart

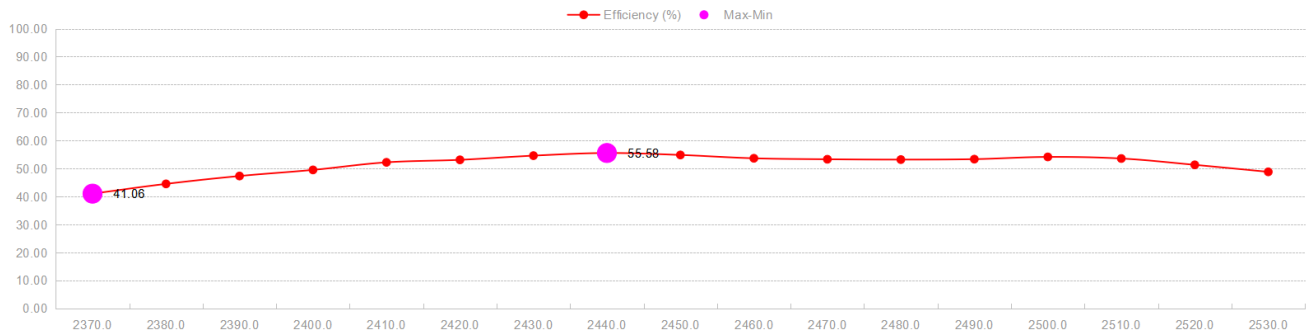


2、 Directional Map (2D&3D)

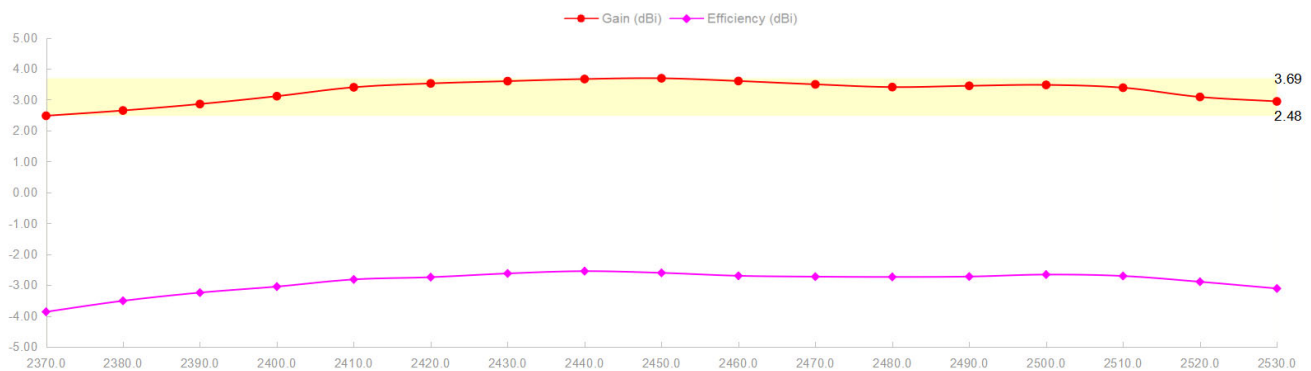




3、Efficiency curve



4. Gain Curve



6. Packaging Method

100 units in a small bag, 1,000 in a large bag, with outer cartons sized according to order quantity, capped at 20,000 per box.