

Specification Recognition Letter

Specification For Approval

Customer Name: 360

Customer

IPEX-2.4G gray rubber antenna -113 black-L18MM

Part name

Feiyu Information No:

Part No

Customer material number:

Customer Part No

Customer Confirm Customer confirmation		
Confirm Confirmation	Verify Check	Approval Approver

Manufacturers acknowledge Manufacturer recognition			
Sales Representative Sales	Ficus Drafters	Verify Check	Approval Approver
Royi	Li Yongjie	Zhou Xihua	Li He
Thank you for the opportunity to give our company a sample of recognition. If Huimon admits, please sign this form back to our company. Thank you for giving us the chance to approve samples. If you agree to pass it, please kindly send it back to us.			

Shenzhen Feiyuxin Electronics Co., Ltd.

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Directory Catalog

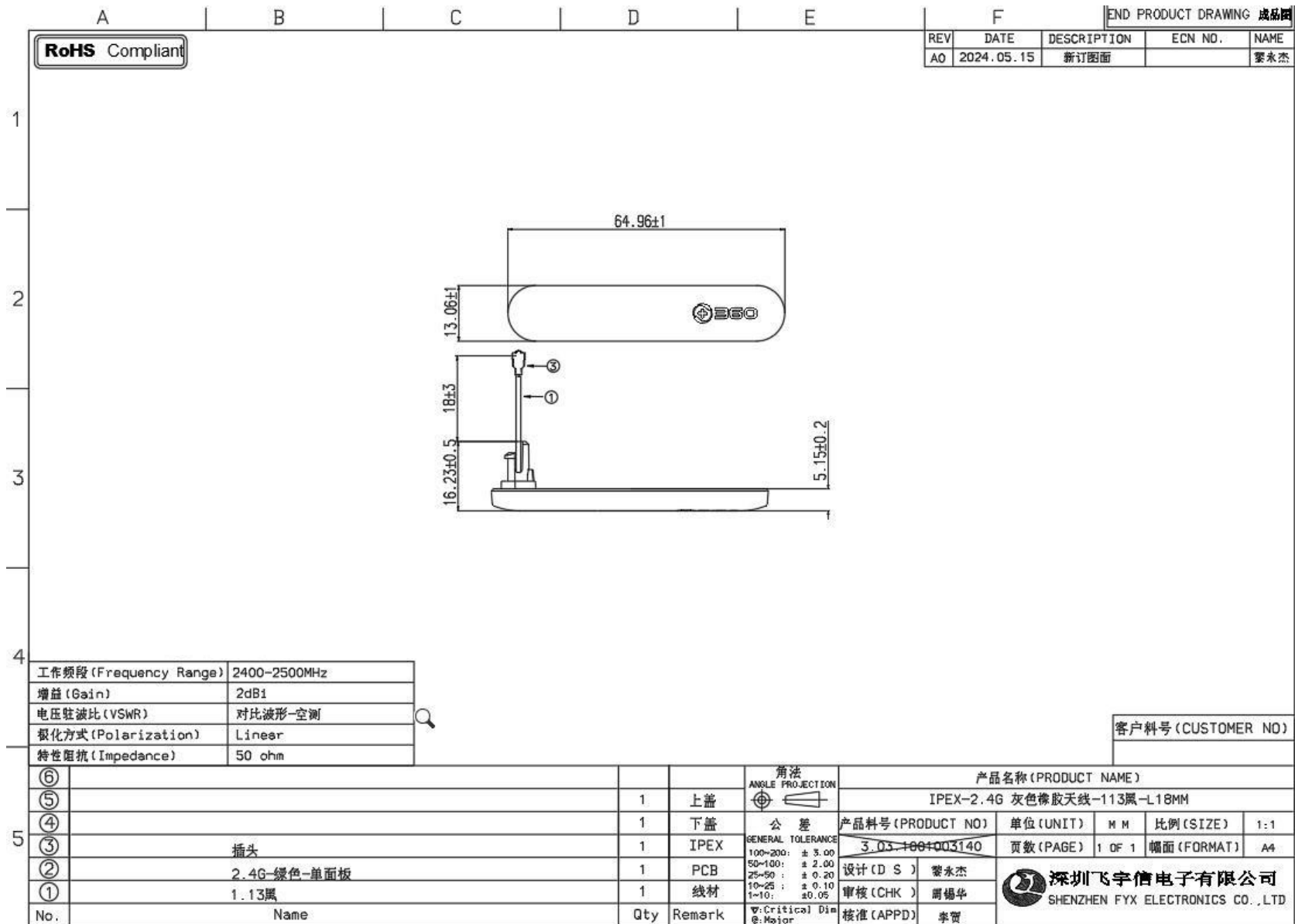
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Modify records

Modification by Engineer

A0 2024.05.15 Li Yongjie New

1. Product Size Chart



表单编号: FYX/E-QR-14A 版本: 第三版

2. Product Appearance

Exterior dimension	L64.96 * 5.15	Fixed way	snap-on
Weight	/	Connector type	IPEX
Shell color	Ash	Cable	1.13 line

3. antenna performance parameters

Project	Characteristics	Unit
Frequency range	2400~2500	MHz
output impedance	50	Ω
standing wave ratio	≤ 2.0	--
Gain	≥ 2	dBi
polarization mode	vertical polarization	
radiation direction	Omni-directional	
Maximum input power	5	W
Working temperature	-40 to +70	°C
Storage temperature	-45 ~ +75	°C

4. Wire specifications

1.13 Line Structure Diagram



	Materials	Diameter (mm)
1. Inner conductor	Tinned copper wire	7/0.08±0.02
2. Insulator	Solid Polyethylene (PE)	0.66±0.02
3. Outer conductor	Tinned copper wire	0.88±0.05
4. Sheath	FEP	1.13±0.05

electrical performance parameters

Capacitance (pF/m) 96±3

Impedance (ohm)	50
rate (%)	66
bending radius (mm)	≤ 7

Maximum operating voltage (VMS) 1000

Maximum operating frequency (MHz) 6000

Operating

-40 to +80

Attenuation (typical)

Frequency (MHz)	Attenuation (≧ dB/m)
100	0.42
400	0.58
1000	2.20
2000	3.40
3000	4.20
4000	4.50
5000	5.20
6000	5.60

5.
Environmental experiments
Environmental Test Report
5.1 High and low temperature constant humidity test

Material No.		Product name specification	IPEX-2.4G Grey Rubber Antenna -113 Black-L18MM	
Test Items	High temperature, low temperature and constant humidity test			
Testing equipment	Constant temperature and humidity test chamber	Number of tests	5PCS	
Inspection standard	1. The coating on the metal surface shall be free of such defects as shedding, cracks, wrinkles, etc. Non-metallic parts shall not be discolored, cracked or changed shape, degumming and other phenomena.			
Test Name	Test Items	Requirements	Test Method	Result judgment
High temperature test	Temperature (°C)	75±3	Test steps:	Qualified
	Test sample temperature time (h)	1	a) Put the tested part into the test chamber, and then	
	Test duration (h)	2	Adjust the temperature of the high temperature box to 75 °C ± 3 °C,,	
	Recovery time (h)	1	Monitor time.	

			B) After the test, place it at room temperature for 1 hour. Line regular inspection.	
Low temperature test	Temperature (°C) Test sample temperature time (h) Duration of test (h) Time of recovery (h)	-40±3 1 2 1	Test steps: a) Put the tested part into the test chamber, and then Adjust the temperature of the low temperature box to -40 °C ± 3 °C, and monitor the time. B) After the test, place it at room temperature for 1 hour. Line regular inspection.	Qualified
constant damp heat Test	Temperature (°C) Relative humidity (%)	+40±3 90-95	a) Put the tested part into the test chamber, and then Adjust the temperature of the test chamber to +40 °C ± 3 °C, wet	Qualified

	Duration of test (h) Time of recovery (h)	21 1	90-95%, monitoring time. B) After the test, place it at room temperature for 1 hour for regular inspection.	
Confirmed by: Guo Guangfen Approved by: Xie Zhoujun				

5.2 Free drop test

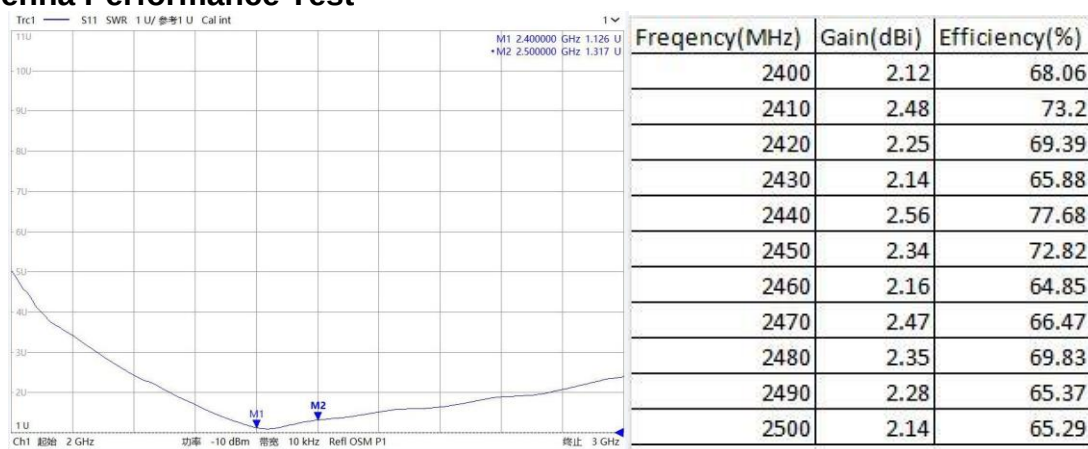
Material No.			Product name specification	IPEX-2.4G gray rubber days Wire -113 Black-L18MM
Test Items	Free drop test			
Testing equipment	1 m high table top		Number of tests	5
Inspection standard	1. Falling at a height of 1 meter, the product has no defects such as falling off, cracks, etc., and the appearance has no deformation.			
Test Name	Test Items	Requirements	Test Method	Result judgment
Free drop test	Drop height 1000mm	The front and back sides fell 2 times	Test steps: a) Drop the tested part at a height of 1000mm, and carry out regular inspection after the test.	Qualified
Confirmed by: Guo Guangfen Approved by: Xie Zhoujun				

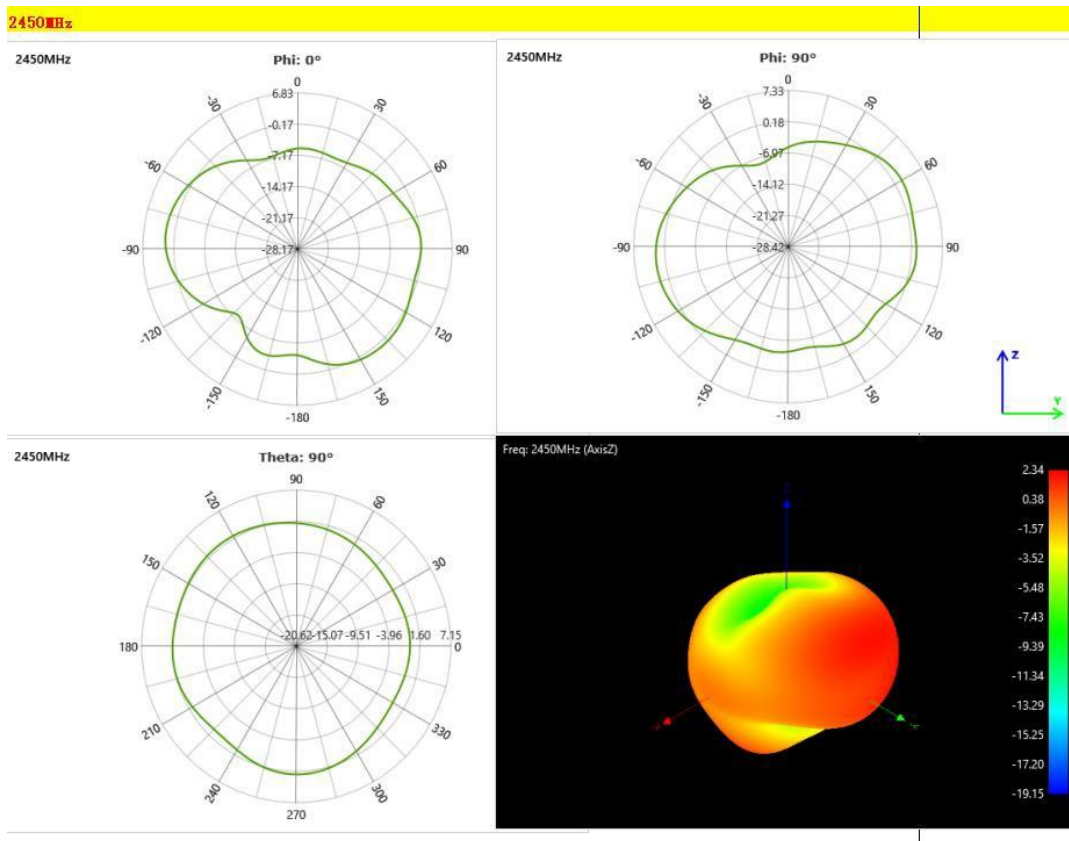
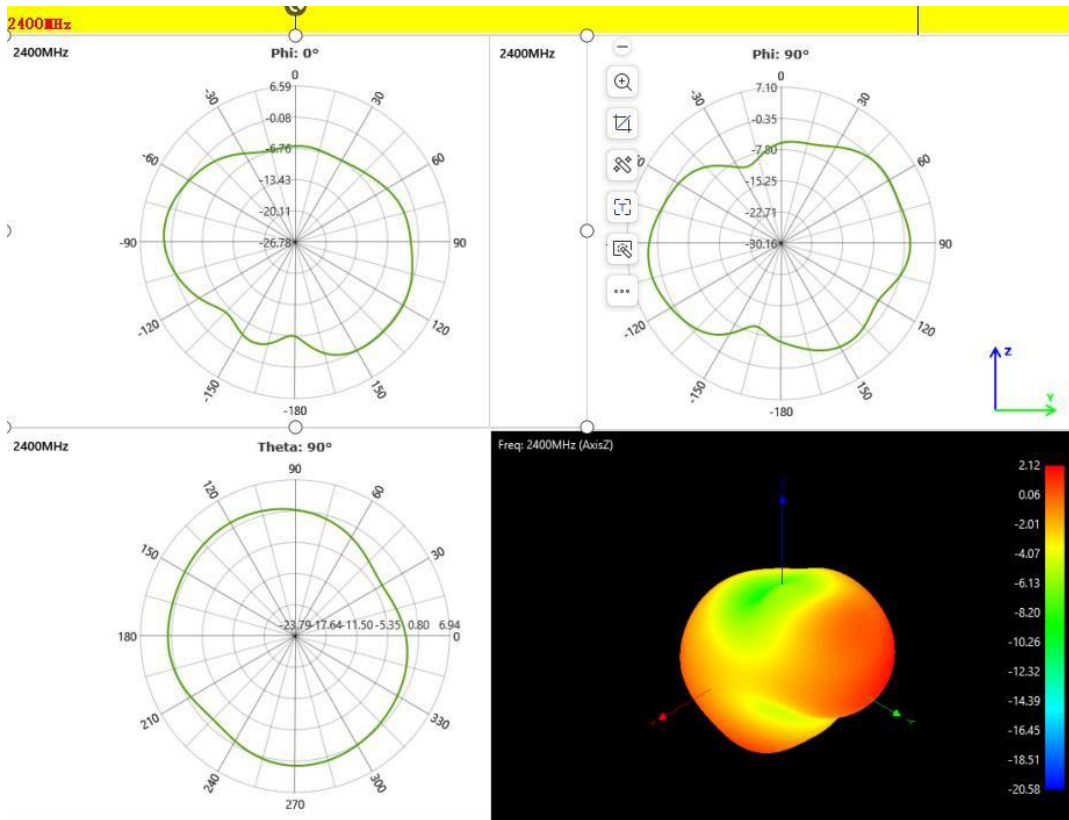
5.3 Salt spray test

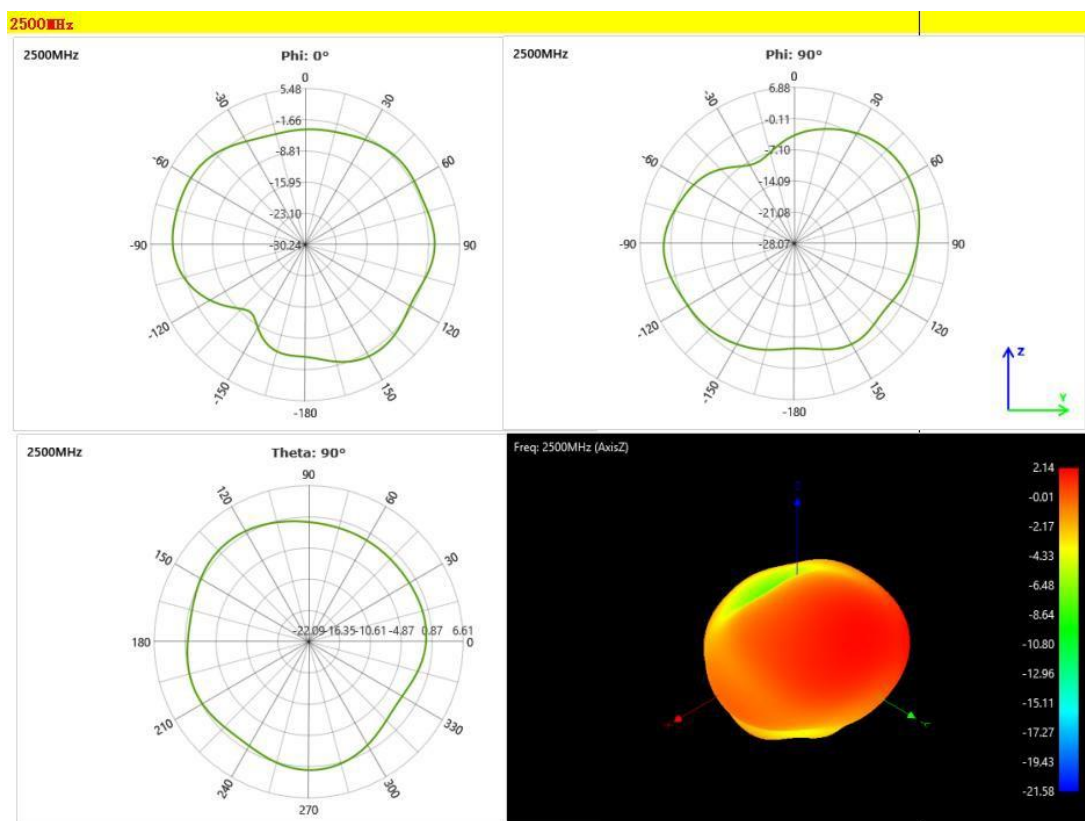
Material No.			Product name specification	IPEX-2.4G gray rubber antenna -113 Black-L18MM
Test Items	Fog test			
Testing equipment	Fog testing machine		Number of tests	5
Inspection standard	1. There is no peeling of the coating on the metal surface; the appearance is free of rust, corrosion, oxidation and other undesirable phenomena.			
Test Name	Test Items	Requirements	Test Method	Result judgment
Salt spray test	1. NaCl concentration: 2. Air pressure: 3. PH: 4. Spray volume: 5. Salt water test temperature setting a. Laboratory temperature: B. Pressure barrel temperature: 6. Test time:	40-60g/1kg $1.0 \pm 0.01 \text{kgf m}^2$ 6.5-7.2 1.0-2.0ml/80c/h. $35 \pm 1 \text{ }^\circ\text{C}$ $47 \pm 1 \text{ }^\circ\text{C}$ 24h	Test steps: a) The salt spray tester shall be adjusted to the relevant test conditions. b) Put the tested piece into the salt spray tester and place it for 24 hours. After the test, rinse with clean water, visually inspect the appearance of the tested parts and conduct regular	Qualified

			inspection.	
Confirmed by: Guo Guangfen Approved by: Xie Zhoujun				

6. Antenna Performance Test







7. Product real shot

