

Acknowledgement Form

Customer name : Shenzhen Bochuanyu Video Technology Co., Ltd.

Customer machine type: DF905Y4 008 (plug-in antenna)

Customer data number:

Specifications Description: plug-in antenna/2.4G-WiFi/3dBi/50ohm/
35.0*9.5*0.8mm/SUS304 nickel plating/own color/

Signature and Seal					
Chenxinwei Confirmation			Customer Confirmation		
Sample reparation	Check	Approve	Verification	Check	Approve
Chenxinwei Signature and Seal			Customer's Signature and Seal		
Date	2024-08-19		Date	2024- -	

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2.Document formulation/revision/removal of application form

[illegible]

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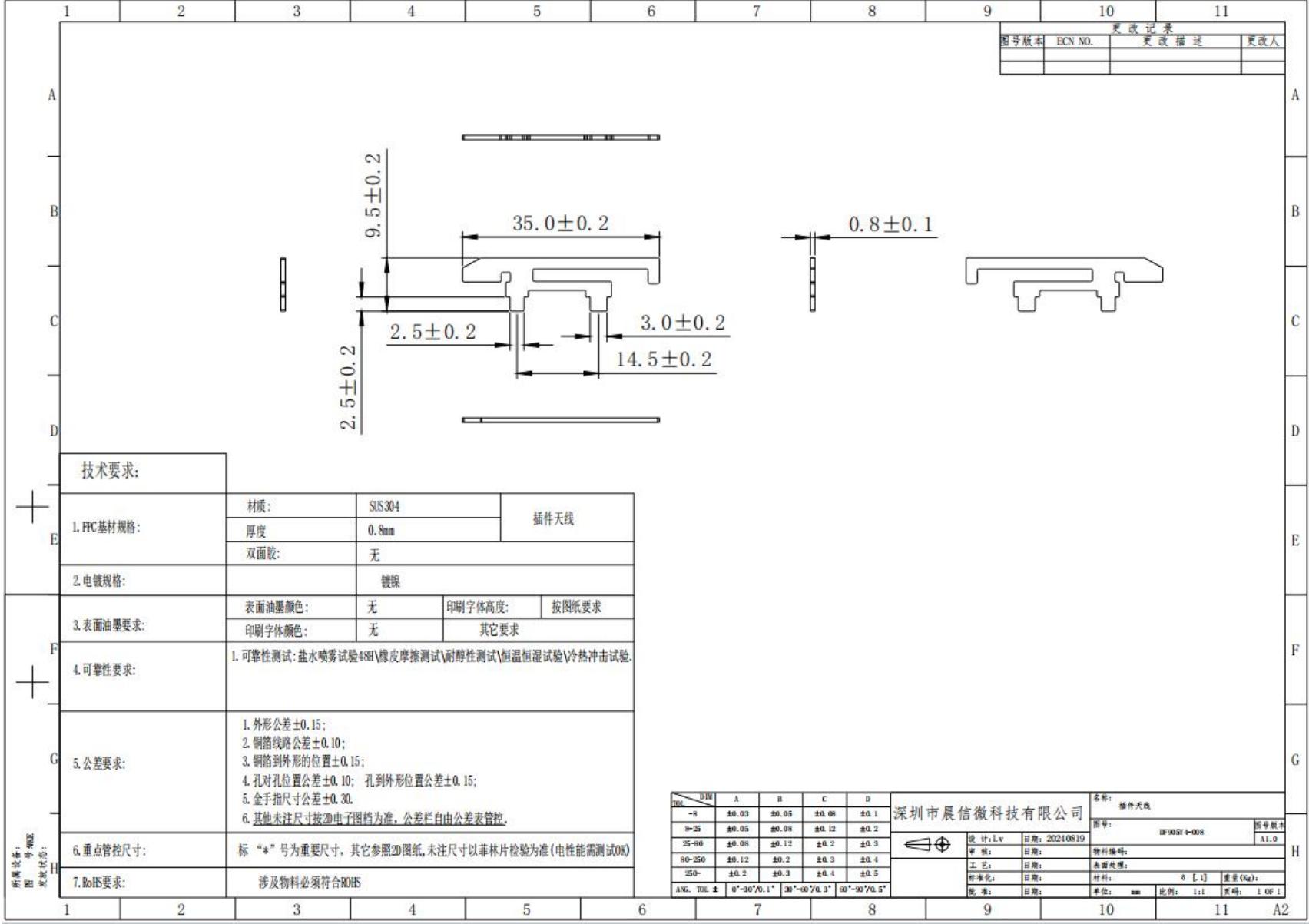
Contact: Wang Jianguo Mobile phone:13424341872

Address: 1123 Tongfang Creative Commune, Intersection of Zhongxin Road and Haoxiang Road, Xinqiao Subdistrict, Baoan District, Shenzhen.

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4.Product drawings



5. Antenna location



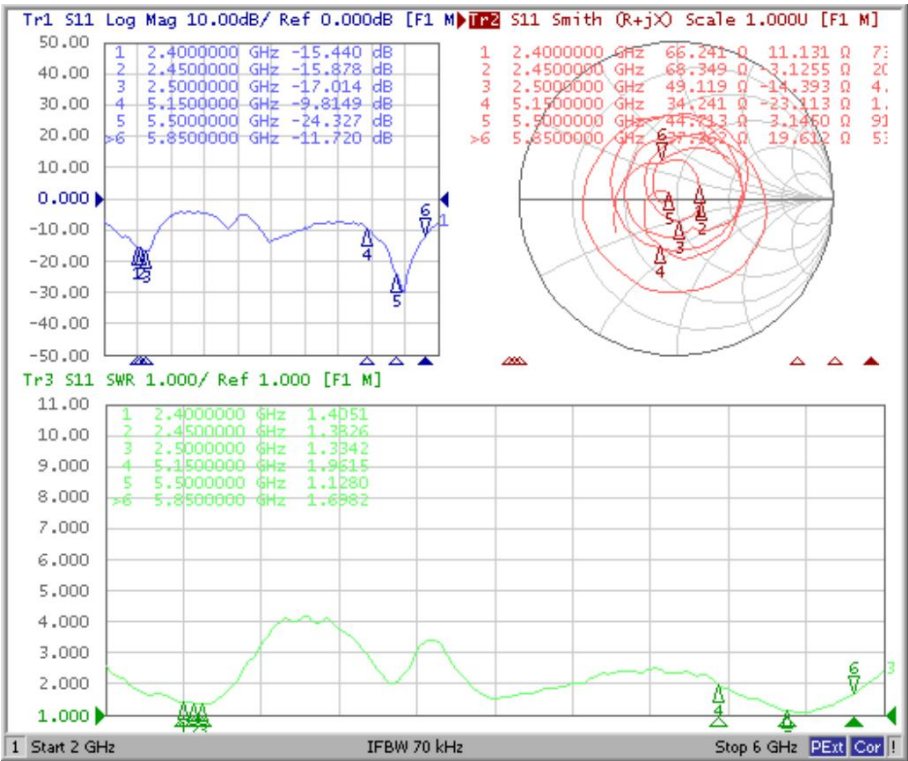
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6.Passive test data

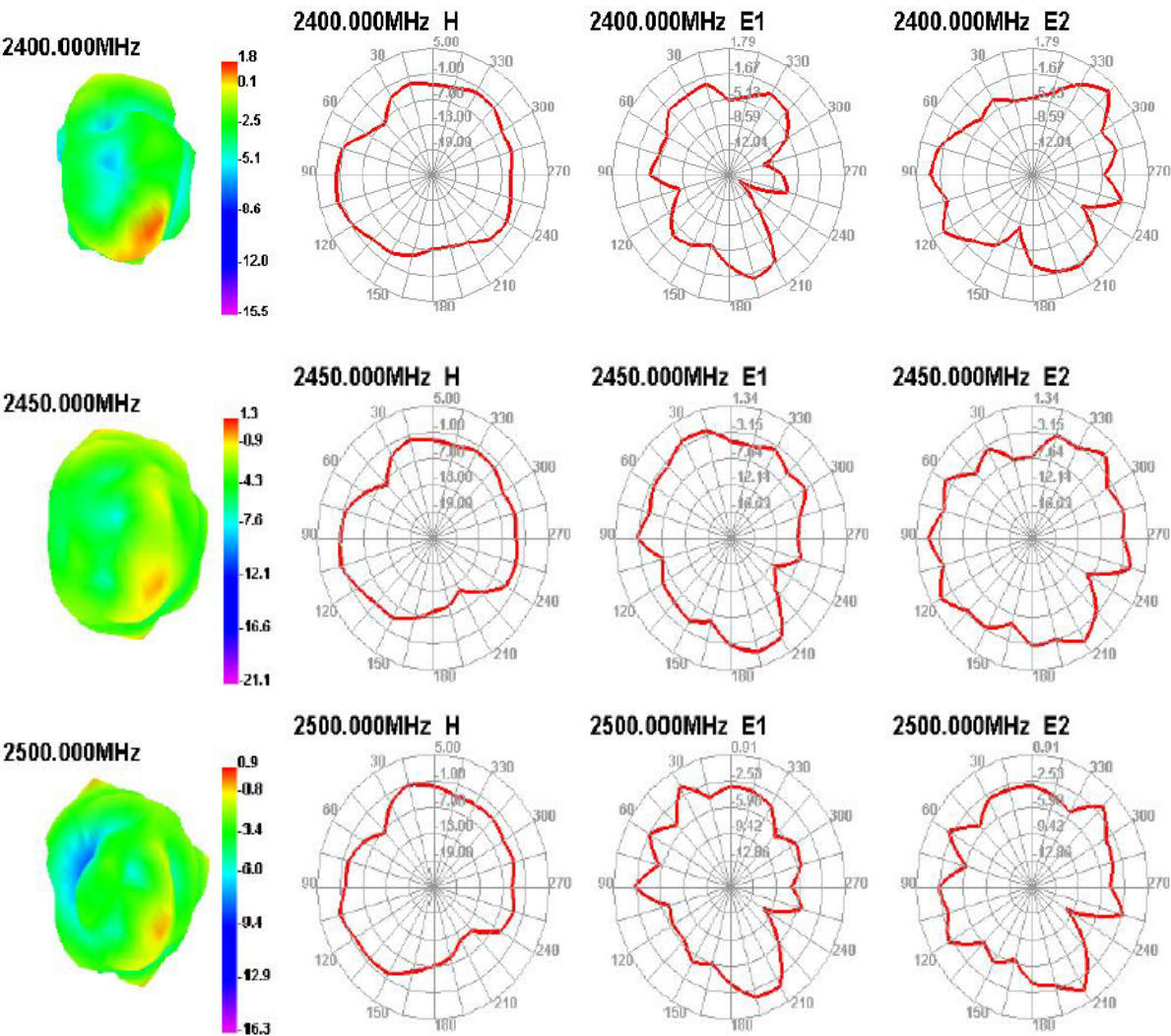
S11



Fre(GHz)	2.4	2.5	5.15	5.85
ReeturnLoss	-15.44	-17.01	-9.81	-11.72
VSWR	1.40	1.33	1.96	1.68

Efficiency,gain and direction diagram

Freq(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Effi(%)	42.62	46.84	51.47	55.07	53.54	48.06	51.80	49.38	44.21	42.77	40.64
Gain(dBi)	1.47	1.44	1.56	1.65	1.54	1.09	1.62	1.59	1.62	1.37	0.36



7. Actively tested data

DF905Y4-008						
2.4G-WiFi 11b 11M tx 11M rx	Channel	TRP	EIRP	Channel	TIS	EIS
	ch1	12. 82	18. 32	ch1	-82. 02	87. 52
	ch7	12. 2	17. 96	ch7	-81. 15	86. 9
	ch13	14. 82	20. 73	ch13	-80. 83	86. 74
2.4G-WiFi 11n MCS7	Channel	TRP	EIRP	Channel	TIS	EIS
	ch1	11. 66	17. 08	ch1	-66. 33	71. 75
	ch7	11. 54	17. 25	ch7	-65. 81	71. 53
	ch13	13. 62	19. 45	ch13	-65. 51	71. 33

8. Electrical performance test report

Electrical parameters		
frequency range		2.4-2.5GHz
Input impedance		50 Ω
Standing wave ratio		<2.0
Gain	2.4GHz	3 dBi
Polarization mode		cross polarization
Radiation direction		omnidirectional
Type of connector		welding
Mechanical parameters		
Wire length		/
Maintenance energy		/
Coax		/
Salt spray test		
Enviromental parameter		
Working temperature		-40~85℃

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9. Reliability Test Report

9.1. Steady temperature damp test

Trial/ Trial project	Constant temperature and humidity testing	Inspection form number
Product Name/ Specification	2.4G/5.8G-plug-in antenna 35.0*9.5*0.8mm	Number of tests: 5PCS
Date of submission:2023-12-30		Completion date:2023-12-31
Test/inspection equipment: 1.Programmable constant temperature and humidity test chamber 2.8753ES network analyzer		
Test/inspection conditions: 1. Test 12H at constant temperature-40℃ 2.+65° 65 ~70%RH test 12H, a total of 24 hours;		
Test Results		
requirement : 1 、 The metal surface should not be cracked, wrinkled, separated, etc.; the non-metal parts should not be discolored, cracked, deformed, delamination and other bad; 2 、 The electrical test meets the standard requirements; the voltage standing wave ratio test is qualified		
Test/inspection determination: ✓qualified ●unqualified ●No determination		
test : examine and verify :		

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9.2. High and low temperature hot and cold shock

[illegible]

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10.package specification

Product part number:									
Product Specifications: <u>plug-in antenna/2.4G-WiFi/3dBi/50ohm/35.0*9.5*0.8mm/</u> <u>SUS304 nickel plating/own color/</u>									
I. Labeling requirements									
The inner label is 45 long and 70 wide						The outer label is 45 long and 70 wide			
demander						demander			
supplier		Shenzhen chenxinwei Technology Co., LTD.				supplier		Shenzhen chenxinwei Technology Co., LTD.	
Customer order						Customer order			
Customer part number						Customer part number			
material code						material code			
Name and specification		examination clerk				Name and specification		examination clerk	
Quantity/Unit		date of manufacture				Quantity/Unit		date of manufacture	
remarks						remarks			
II. Packing requirements									
1. Pack-aged product 50PCS 5000PCS									
2. external packing									
Note:									

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