



APPROVAL SHEET

承认书

CUSTOMER NAME	poor handwriting	
CUSTOMER P/N		
PART NAME	2.4G Integrated antenna	
P/ N	YJC-6C080-G01	
APPROVAL REV.	A0	
DELIVERY DATE	July 18, 2025	
PREPARED BY	Huang Teng	
CHECKED BY	Peng Huang	
APPROVED BY	(Xiao Han)	
Customer Approved		
Prepared By	Checked By	Approved By
Huang Teng	Peng Huang	Xiao Han

(Company address: building C, guangming valley, hongyu guangming valley, no. 11, jiangyou magang, shiwei community, matantian office, guangming district, shenzhen)

(Dongguan Branch: No.2 Xinjia Industrial Park, No.3, Yinhe Road, Qiaotou Town, Dongguan City)

(Hangzhou Office: Room 509, Building 1, Binrun Science and Technology Innovation Park, No.5, Ren Street, Puyan Street, Binjiang District, Hangzhou)

(Mianyang Office: No.4F-34, Wanxiang High-tech International, No.35, Mianxing East Road, High-tech Zone, Mianyang City, Sichuan Province)

Phone + 86-0755-27810060/23192199; Fax: 0755-27810057

Company website: <http://szsyjc.com> E-mail: yjc@szsyjc.com



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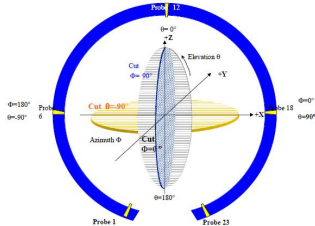
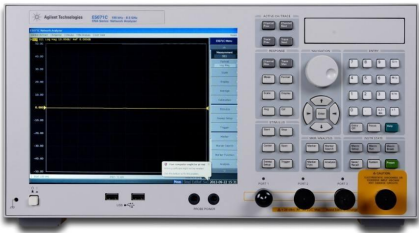
Revised resume:

version	Change contents and reasons	date	Sell wholesale
A0	NEW	July 18, 2025	

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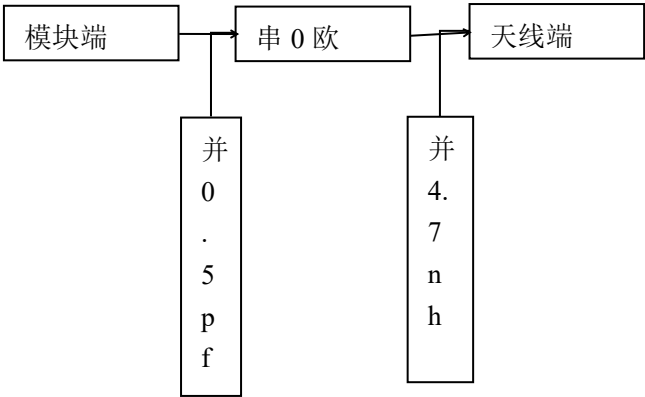
Instrumentation:

	Test itens	Test equipment
S Parameter	1. Return Loss 2.VSWR	Network analyzer (Agilent E5071B) (Calibration date:November21,2024-November 20,2025)
Passive test	1. Frequency 2. Gain 3. Radiation Pattern	1.3Dmicrowave darkroom (5m*4m*4m) 2.Network analyzer (Agilent E5071B) (Calibration date:December18,2024-December 17,2025)
Active test	1. TRP 2. TIS	1.3Dmicrowave darkroom (5m*4m*4m) 2.Comprehensive test instrument (CMW500) (Calibration date: December16,2024-December 15,2025)
Passive is to collect DUT spherical near-field data through multi-probe, and then the direction map of DUT is calculated by the near-far-field conversion formula. Finally, the gain and efficiency are calculated by the directionality coefficient on the direction map		
Dark room coordinates		test mode
		
CMW500		Agilent E5071B
		

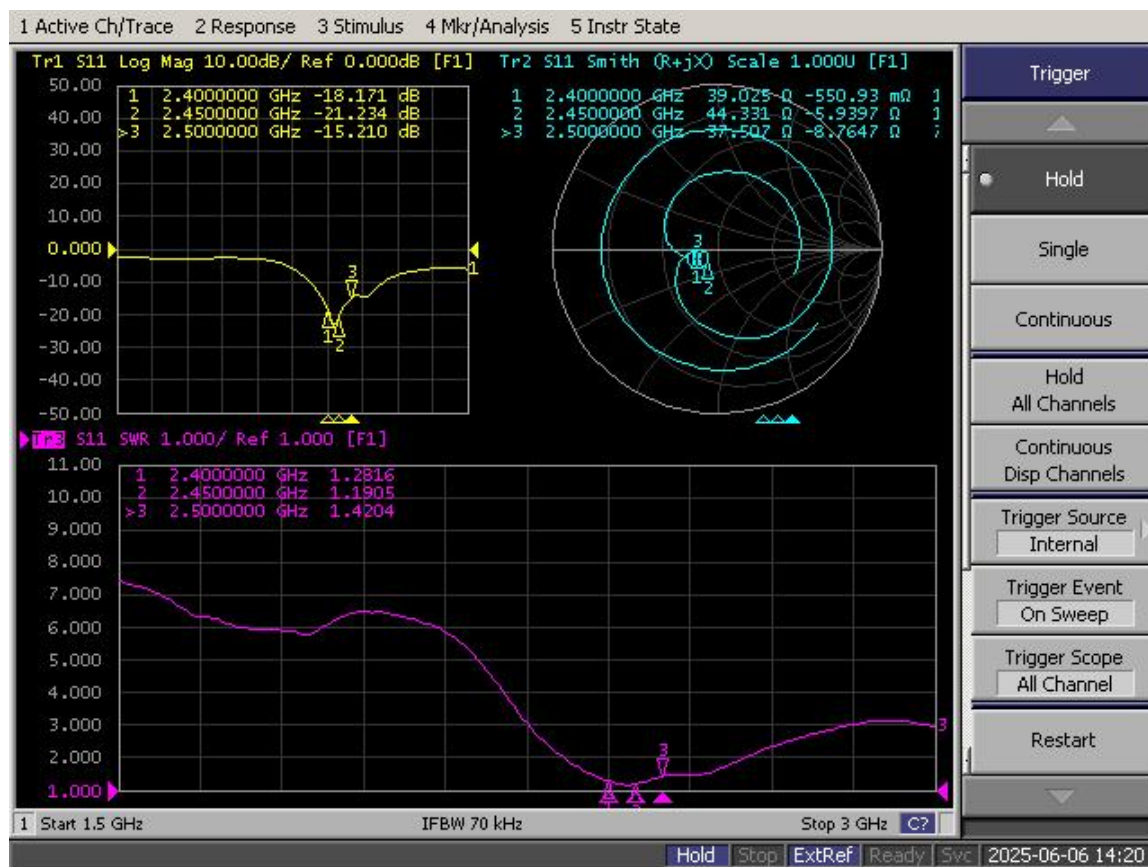
Antenna technical parameters and environmental test:

Electrical technical parameters			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400-2500MHz	Antenna Color	Green
VSWR	<1.92	Working Temperature	-20℃~+70℃
Input Impedance	50 Ω	Working Humidity	20%~80%
Direction	Omnidirectional	Gain	0.43dBi
Interface form	XD-I	Antenna type	dipole

A picture of the antenna in action:



Antenna performance test diagram:

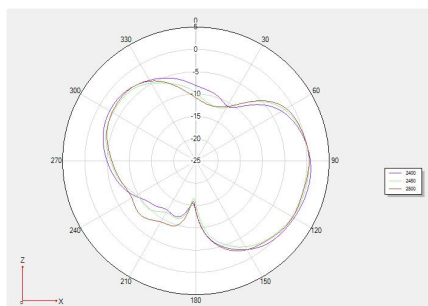
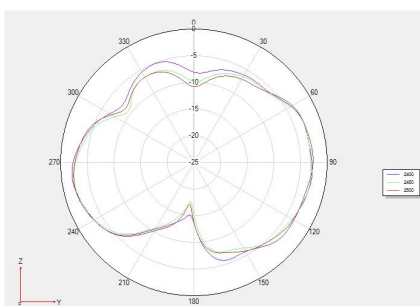
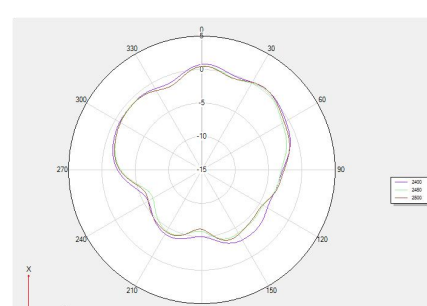
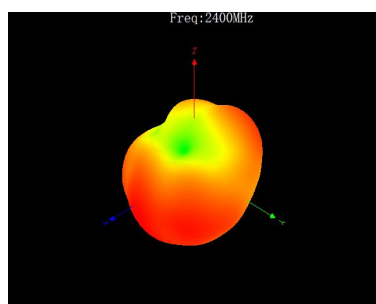
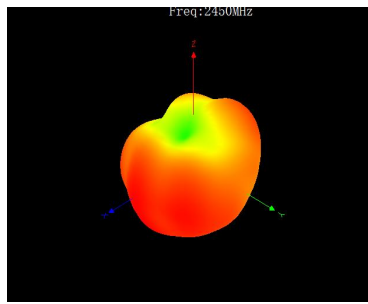


OTA active test data

Item	Measurement	Standard	Band	Channel	Frequency	Total
1	TRP	WIFI (AP)	WIFI_B (11M)	1	2412	14.77
2	TRP	WIFI (AP)	WIFI_B (11M)	6	2437	14.10
3	TRP	WIFI (AP)	WIFI_B (11M)	11	2462	14.58
4	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	1	2412	-85.39
5	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	6	2437	-87.18
6	TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	11	2462	-87.14

**2D,3D test data:**

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	50.64	0.32
2410MHz	54.64	0.35
2420MHz	54.64	0.11
2430MHz	53.47	0.19
2440MHz	53.23	0.08
2450MHz	53.70	0.12
2460MHz	52.32	0.12
2470MHz	52.77	0.43
2480MHz	52.03	0.20
2490MHz	50.77	0.02
2500MHz	50.06	0.01

Phi 0 2D**Phi 90 2D****Theta 90 2D****3D test data:****3D 2400MHz****3D 2450MHz****3D 2500MHz**