



SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO. LTD

<http://www.szsyjc.com>

Part acceptance certificate

Approval Sheet

供方 (Supplier) : Shenzhen Yingjia Chuang Electronic Technology Co., LTD

产品名称(Part Name): 2.4G/5.8G FPC Black built-in antenna 0.81blackL=65MM

图号 (Pcode) : _____

版本 (version) : _____ V1.0

物料编码(material Code) : _____ 1030030400

日期 (Date) : _____ 27 March 2026

Supplier confirmation

Approved By	Checked By	Prepared By
Huang Teng	Wu Longfei	Xiao Han

Customer confirmation

Quality date	Date of development	Product Manager/Date



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APPROVAL SHEET

CUSTOMER NAME		
CUSTOMER P/N	1030030400	
PART NAME	2.4G/5.8G black FPC with built-in antenna	
P/ N	YJC-6N065-B96	
APPROVAL REV.	V1.0	
DELIVERY DATE	27 March 2026	
PREPARED BY	Huang Teng	
CHECKED BY	Wu Longfei	
APPROVED BY	Xiao Han	
Customer Approved		
Approved By	Checked By	Prepared By

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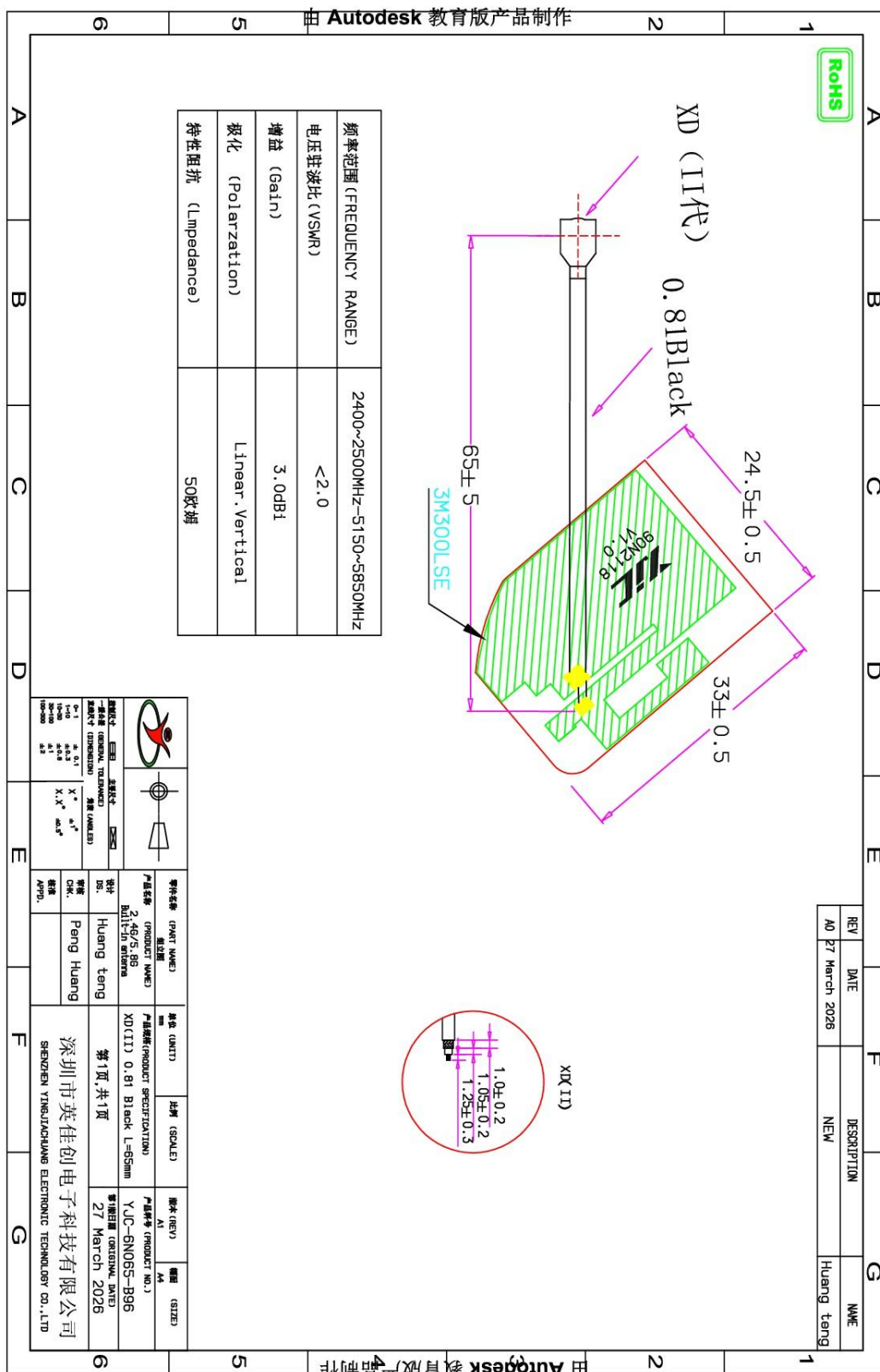


Resumer:

Version	Change contents and reasons	Date	Issue
A0	NEW	27 March 2026	



The antenna's floor plan:





Antenna technical parameters and environmental testing:

Electrical parameters of electrical apparatus			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400-2500MHz/5150-5850MHz	Antenna Color	black
VSWR	<2.0	Input connector	XD (II)
Input Impedance	50 Ω	Cable length	65mm
Direction	All	Working Temperature	-20℃~+70℃
		Working Humidity	20%~80%

Environmental performance test:

project	test condition	standard
Storage Conditions	In the absence of specified test temperature, humidity, air pressure is as follows: 1. Temperature is - 20 °C ~ + 70 °C 2. Relative humidity of 45% to 45% 3. Air pressure is 86 kpa to 106 kpa	Electrical and mechanical properties is normal
high and low temperature test	Between 70 °C and -20 °C for 5 loops, then 1-2 h under normal conditions, check the appearance quality.	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
Constant damp and hot resistance test	95 + / - 3% relative humidity, temperature test: 40 °C. Lasts 2 h after, try to take out the determination of electrical properties, within 5 min after try 1-2 h under article normal thing, check the appearance quality	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
vibration test	10-55 hz, vibration frequency range of displacement amplitude: 0.35 MM, acceleration amplitude: 50.0 M/S, sweep cycles: 30 times	Electrical and mechanical properties is normal
fall down test	1 m high altitude in accordance with the perpendicular axis free drop 3 times	Electrical and mechanical properties is normal



Physical picture of antenna and attach location picture:



Antenna performance test chart:





OTA Active Test Data:

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	17.11
2	TRP	WIFI_B (11M)	6	2437	17.07
3	TRP	WIFI_B (11M)	11	2462	16.98
4	TIS(EIRP)	WIFI_B (11M)	1	2412	-83.51
5	TIS(EIRP)	WIFI_B (11M)	6	2437	-86.02
6	TIS(EIRP)	WIFI_B (11M)	11	2462	-86.36
7	TRP	WIFI_A (6M)	36	5180	15.38
8	TRP	WIFI_A (6M)	100	5500	15.03
9	TRP	WIFI_A (6M)	165	5825	15.24
10	TIS(EIRP)	WIFI_A (54M)	36	5180	-73.53
11	TIS(EIRP)	WIFI_A (54M)	100	5500	-73.31
12	TIS(EIRP)	WIFI_A (54M)	165	5825	-73.63

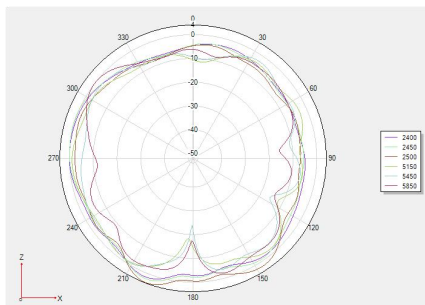


2D,3D Antenna pattern testing:

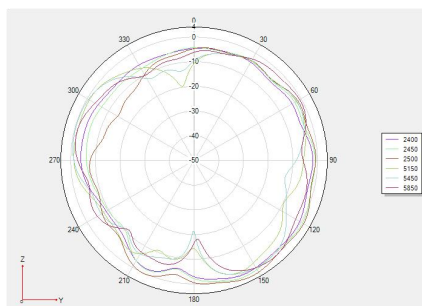
Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	50.81	1.69
2410MHz	53.87	1.54
2420MHz	55.23	2.38
2430MHz	57.24	2.73
2440MHz	51.24	2.75
2450MHz	56.64	2.36
2460MHz	56.40	3.37
2470MHz	54.77	2.96
2480MHz	51.88	3.34
2490MHz	53.19	3.30
2500MHz	54.32	3.87
5150MHz	49.03	1.39
5250MHz	47.36	1.49
5350MHz	44.50	1.68
5450MHz	47.06	1.94
5550MHz	44.69	1.58
5650MHz	44.98	1.36
5750MHz	47.46	1.68
5850MHz	42.08	0.91



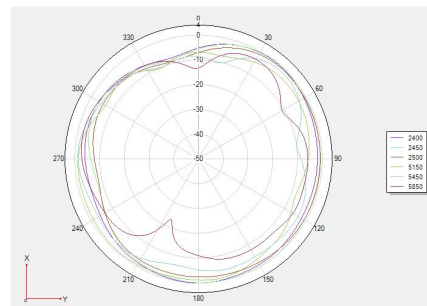
Phi 0 2D:



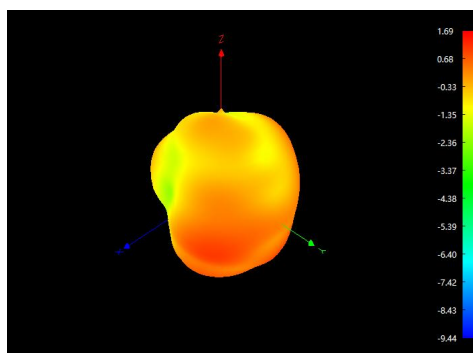
Phi 90 2D



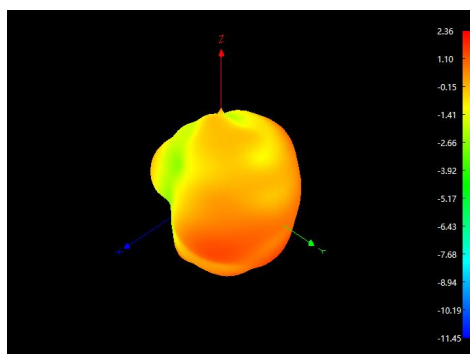
Theta 90



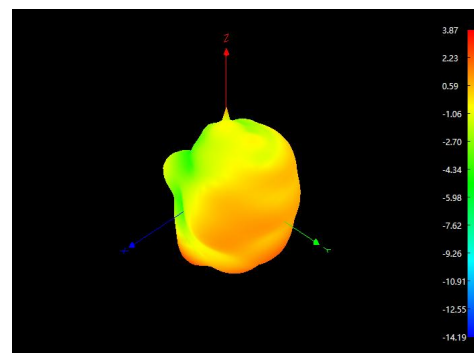
(3D 2400MHz):



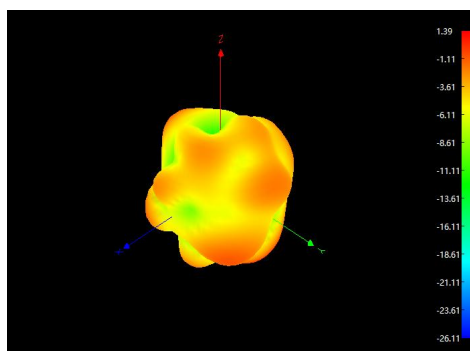
(3D 2450MHz):



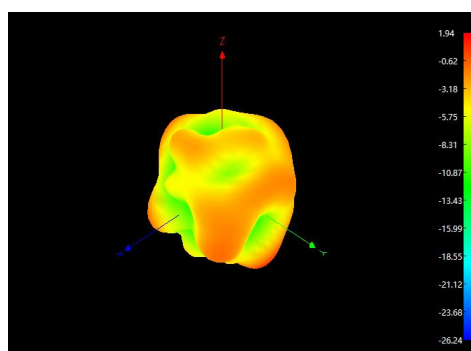
(3D 2500MHz):



(3D 5150MHz):



(3D 5450MHz):



(3D 5850MHz):

