



Shenzhen Yingjiachuang Electronic Technology Co., LTD

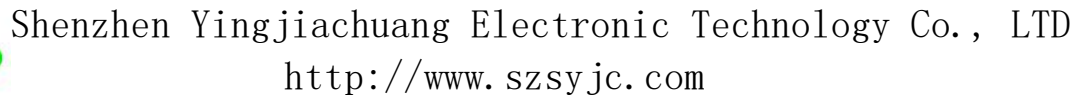
<http://www.szsyjc.com>

APPROVAL SHEET

CUSTOMER NAME		
CUSTOMER P/N		
PART NAME	2.4G black FPC built-in antenna 1.13 black dual tin wire L = 95MM	
P/ N	YJC-6N095-B60	
APPROVAL REV.	A0	
DELIVERY DATE	March 16th, 2026	
PREPARED BY	Yin Feijie	
CHECKED BY	Fang Wenfeng	
APPROVED BY	Chauhan	
Customer Approved		
Prepared By	Checked By	Approved By

Address: Building C, Hongyu Guangming Valley, No. 11, Youma Gang Road, Ma Tian Street, Guangming District, Shenzhen
Dongguan Branch: Yingjiachuang Industrial Park, No. 2 Yinhe 3rd Road, Shishuikou, Qiaotou Town, Dongguan City
Hangzhou Office: 212, Building B, Dahua Jianghong International Innovation Park, 369 Internet of Things Street, Binjiang District, Hangzhou
Mianyang Office: No. 4F-34 Wanxiang High-tech International, No. 35 Mianxing East Road, Mianyang High-tech Zone, Sichuan

Province telephone: 0755-27810060 fax: 0755-27810057 website: <http://www.szsyjc.com>



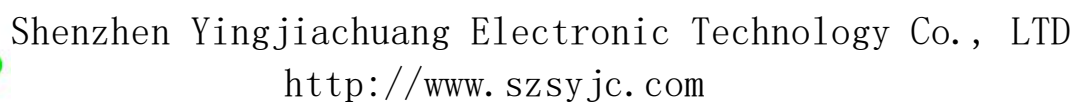
catalogue

[illegible]



Resume:

Version	Change content and reasons for the change	Date	Issue
A/0	First edition release	March 16th, 2026	

[illegible]



Antenna technical parameters and environmental testing:

Electrical technical parameters			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400-2500MHz	Wire Color	Black
VSWR	<1.92	Input connector	XD
Input Impedance	50 Ω	Wire Length	95MM
Direction	All	Working Temperature	-20℃~+70℃
Gain	3dBi	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 - 30 ℃ ~ + 80 ℃ 2. Relative humidity of 45% to 45% 3. Air pressure is 86 kpa to 106 kpa	Electrical and mechanical performace is normal
High and low temperature test	Between 70 ℃ and -20 ℃ for 5 loops, then 1-2 h under normal conditions, check the appearance quality.	Size should meet the requirements and meet the performance of mechnery and electric.
Constant damp and hot resistance test	95 + / - 3% relative humidity, temperature test: 40 ℃. 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 meet the performance of mechnery and electric.
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 performace is normal
Fall down test	1 m high altitude in accordance with the perpendicular axis free drop 3 times	Electrical and mechanical performace is normal

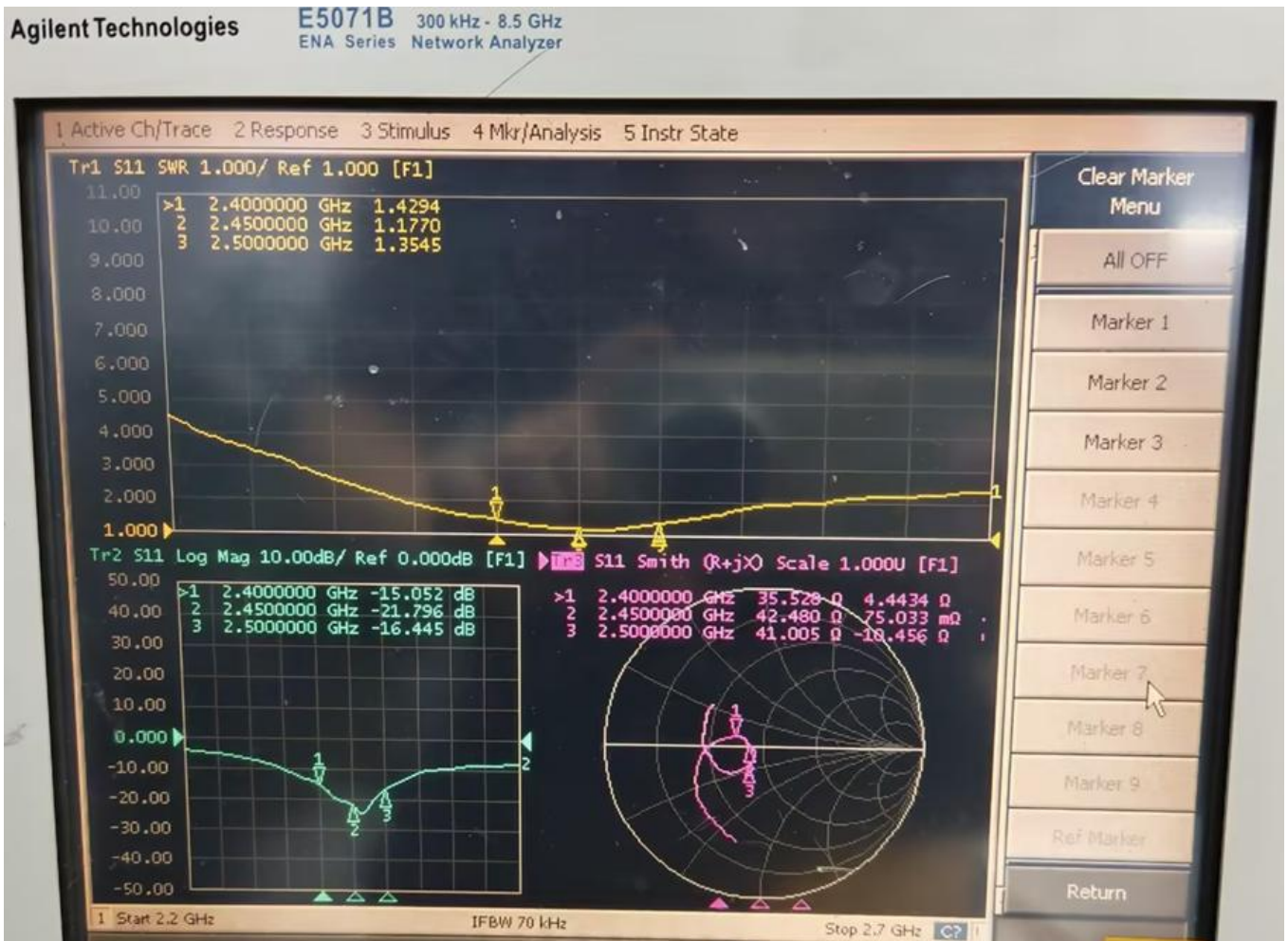


Antenna physical diagram and attachment position diagram:



Antenna
attachment
position

Antenna performance test chart:

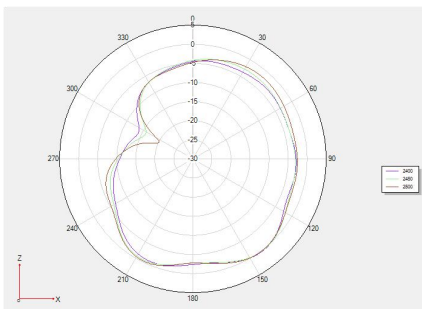




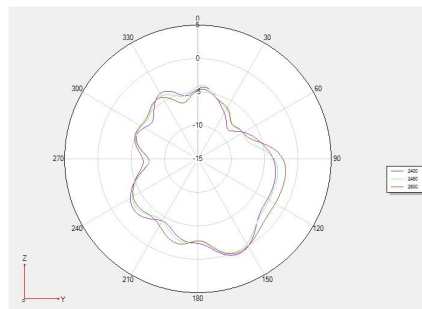
2D and 3D test data (2.4G):

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	51.17	2.51
2410MHz	51.29	2.45
2420MHz	53.09	2.75
2430MHz	53.7	2.77
2440MHz	54.58	2.65
2450MHz	55.85	2.54
2460MHz	57.54	2.72
2470MHz	57.02	2.94
2480MHz	57.94	3.02
2490MHz	59.57	2.86
2500MHz	58.61	2.77

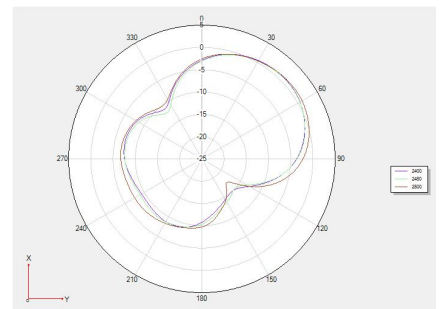
Phi 0 2D



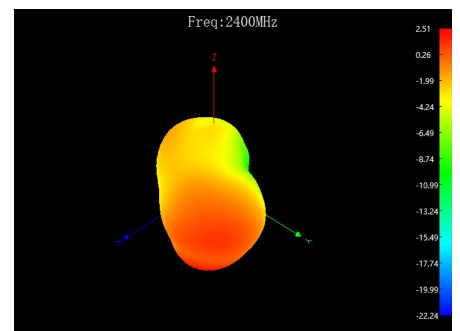
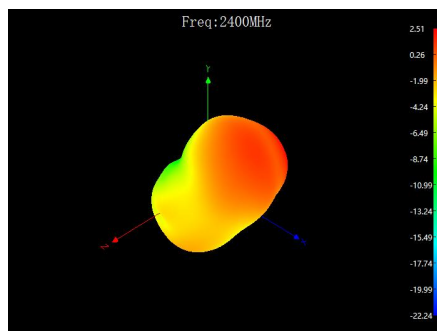
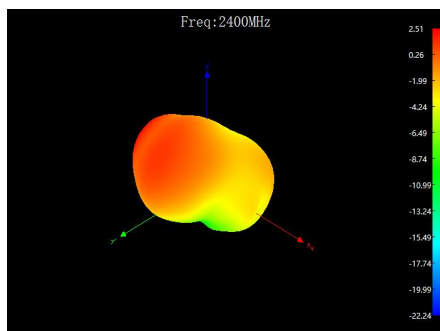
Phi 90 2D



Theta 90 2D

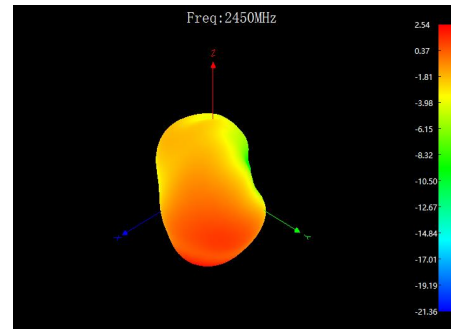
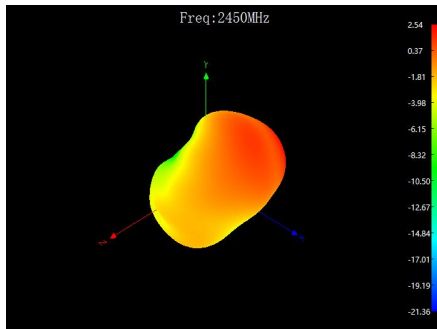
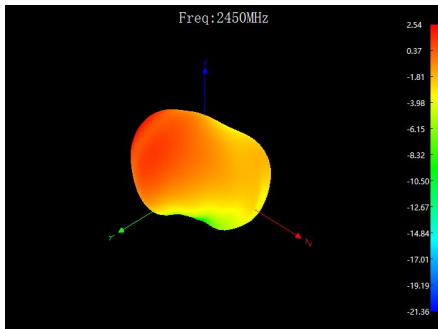


3D 2400:

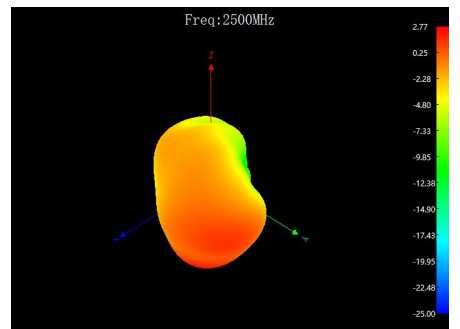
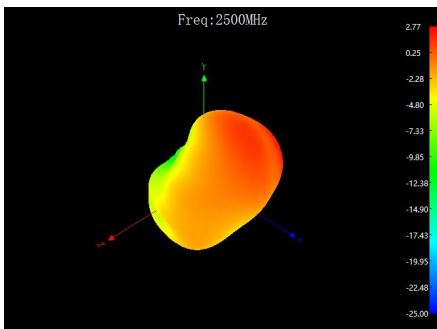
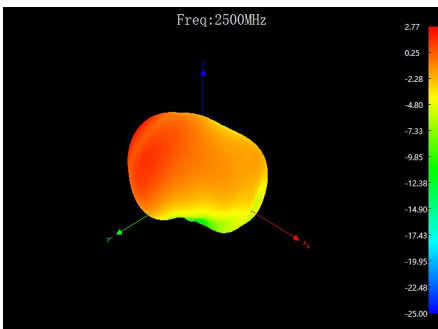




3D 2450:



3D 2500:





OTA Active Test Data Statistics:

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	18.74
2	TRP	WIFI_B (11M)	6	2437	19.01
3	TRP	WIFI_B (11M)	11	2462	18.64
4	TIS(EIRP)	WIFI_B (11M)	1	2412	-86.93
5	TIS(EIRP)	WIFI_B (11M)	6	2437	-86.82
6	TIS(EIRP)	WIFI_B (11M)	11	2462	-87.25
7	TRP	WIFI_G (54M)	1	2412	17.57
8	TRP	WIFI_G (54M)	6	2437	17.32
9	TRP	WIFI_G (54M)	11	2462	17.16
10	TIS(EIRP)	WIFI_G (54M)	1	2412	-72.91
11	TIS(EIRP)	WIFI_G (54M)	6	2437	-73.08
12	TIS(EIRP)	WIFI_G (54M)	11	2462	-72.85
13	TRP	WIFI_N_ISM (65M)	1	2412	17.12
14	TRP	WIFI_N_ISM (65M)	6	2437	17.31
15	TRP	WIFI_N_ISM (65M)	11	2462	17.1
16	TIS(EIRP)	WIFI_N_ISM (65M)	1	2412	-70.68
17	TIS(EIRP)	WIFI_N_ISM (65M)	6	2437	-70.85
18	TIS(EIRP)	WIFI_N_ISM (65M)	11	2462	-70.71



Material RoHS conformity declaration form											
This is to certify that the delivery to your company's components, raw materials, auxiliary materials used and the additives in the production engineering are accord with RoHS environmental requirements of the restrictions on the use of hazardous substances directive (RoHS directive 2011/65 / EU)											
About components used raw materials, packaging materials, auxiliary materials and additives used in the production process such as composition of the report is as follows:											
Component /Part Name	Material Composition	ICP report #	Test Org.	Test Date	Content of harmful substances (ppm)						PASS?
					Cd	Pb	Hg	Cr ⁶⁺	PBB	PBDE	PASS
Wire material	Coaxial cable	CANEC25018034403	SGS	25/07/30	ND	ND	ND	ND	ND	ND	PASS
Environmental-friendly tin wire	Environmental-friendly tin wire	SHAEC25010833002	SGS	25/05/15	ND	63	ND	ND	ND	ND	PASS
Terminal	Phosphor bronze	CANEC25027363005	SGS	25/11/13	ND	4	ND	ND	ND	ND	PASS
	Gold coating	A2250437743101001E	CTI	25/06/27	ND	ND	ND	ND	ND	ND	PASS
	O-ring	48279652A4001	CTI	25/07/25	ND	ND	ND	ND	ND	ND	PASS
FPC	Ink	ETR25901252M01	SGS	25/09/11	ND	4.78	ND	ND	ND	ND	PASS
	3M9471LE	SHAEC250302493501-1	SGS	26/01/06	ND	ND	ND	ND	ND	ND	PASS
	Base material	A225029161101006	CTI	25/04/07	ND	ND	ND	ND	ND	ND	PASS