



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/04/03
编号 File No	25040301
版本 Revision	1.0

客户
CUSTOMER: 道通

客户料号
CUSTOMER NO: 多旋翼机巢二代

品名
PART NAME: WIFI Antenna

供方料号
SUPPLIER NO: YJI01.005.117.101A

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A





承认书项目表

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11	N/A	N/A	N/A
12	-	-	-
13	-	-	-



1		2		3		4		5		6		7		8	
RoHS Compatible		CUSTOMER								REV.		DESCRIPTION		DATE	
		PART NO								A		首次发行		2025-04-03	
										B					
E														E	
D														D	
C														C	
B														B	
A														A	



东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

PART NAME: WIFI Antenna

PART NO.: YJI01.005.117.101A

DATE: 2025-04-03

APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
殷涛	刘彪	陈兴易	
UNITS: mm SCALE: 1/1 REVISION: A			

2	WIFI Antenna	ABS ,Color:Black	PLA1014XA.B01	1
1	SMA Male	Cu Au Plated	CON1024XA.P01	1
NO	PART NAME	DESCRIPTION	PART NO.	Q.TY

RoHS

Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE

A

首次发行

2025-04-03

B

53.8

1 SMA公头内针

12.1

2



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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

PART NAME: WIFI Antenna

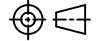
PART NO.: YJI01.005.117.101A

DATE: 2025-04-03

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

殷涛

刘彪

陈兴易

UNITS: mm

SCALE: 1/1

REVISION: A

X.X ±0.50

X.XX±0.15

X° ±3°

2	WIFI Antenna	ABS ,Color:Black	PLA1014XA.B01	1
1	SMA Male	Cu Au Plated	CON1024XA.P01	1
NO	PART NAME	DESCRIPTION	PART NO.	Q.TY



天线规格
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.5 Max@2.4-2.5GHz 8.0 Max@5.15-5.85GHz
Gain	3.8 dBi@2.4-2.5GHz 0.3 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	SMA Male
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

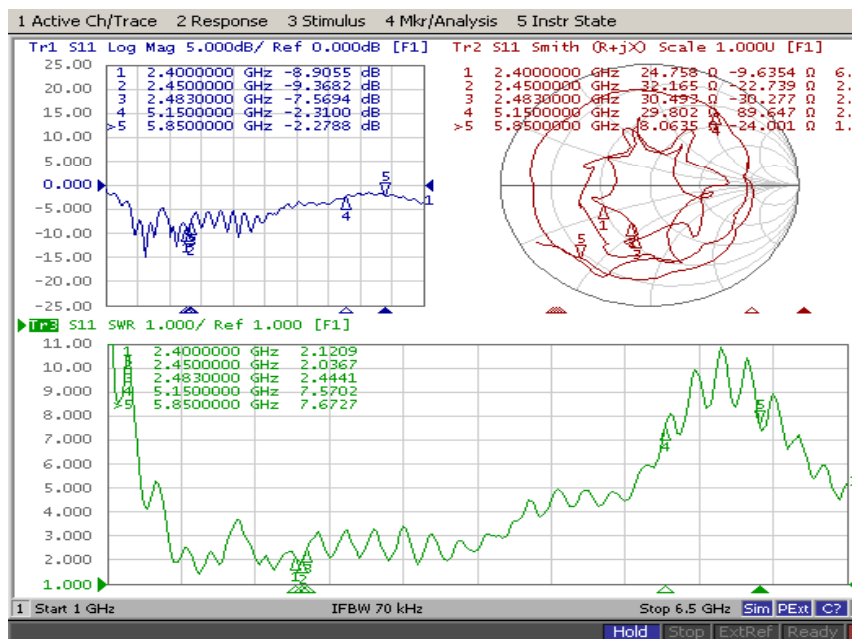




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Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
WiFi
Antenna*

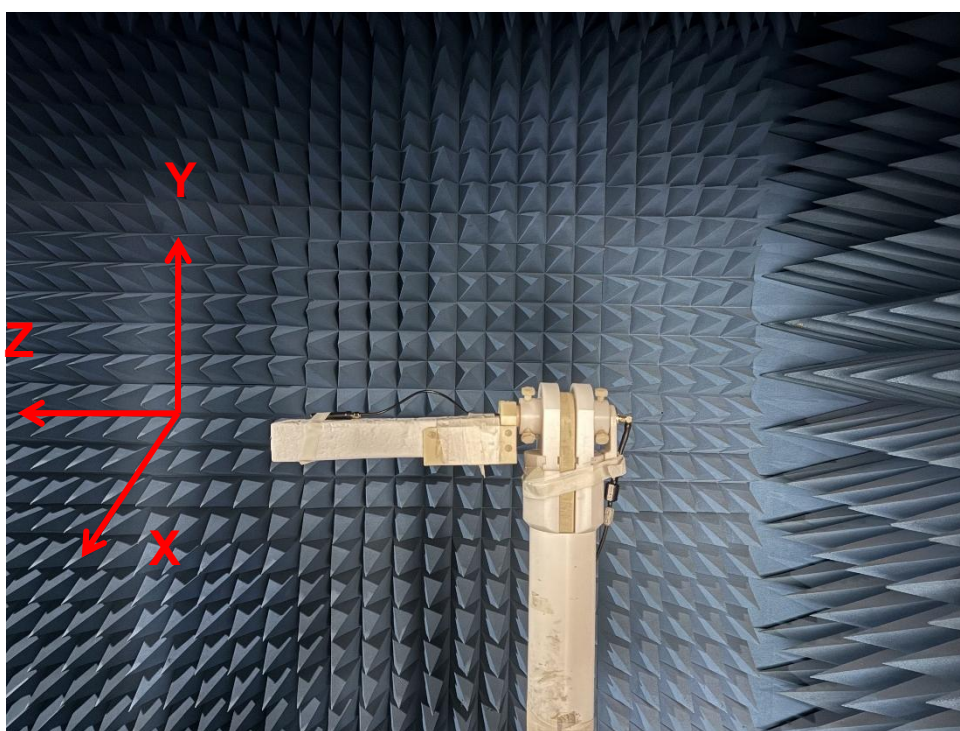
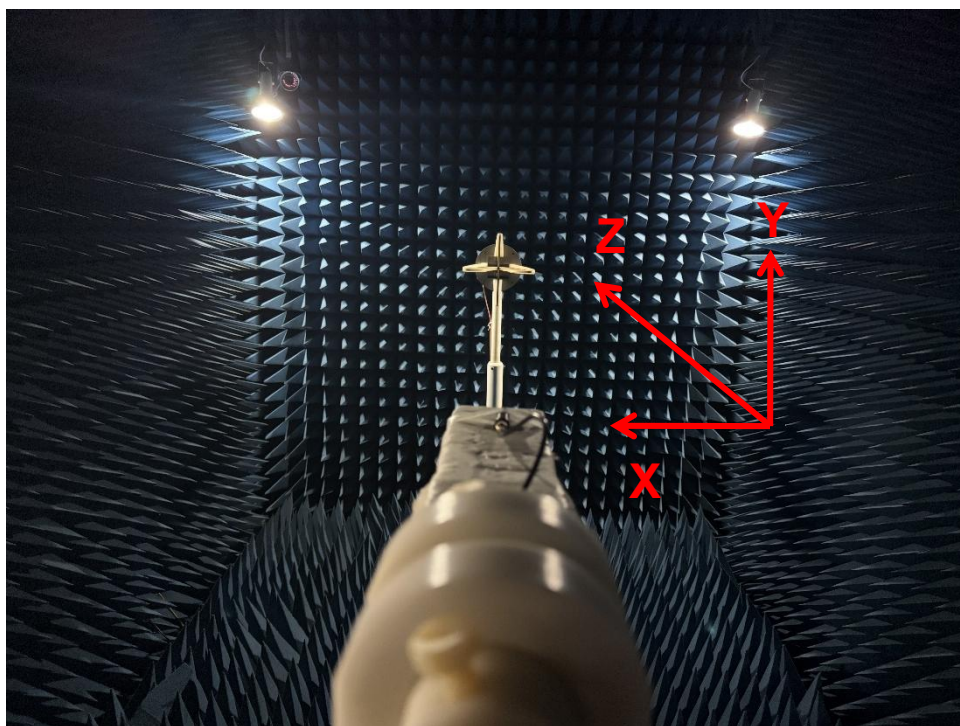


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Antenna Passive Test



东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086



Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	85.7	-0.7	3.8
2410	84.0	-0.8	3.7
2420	82.6	-0.8	3.7
2430	81.0	-0.9	3.7
2440	77.3	-1.1	3.4
2450	78.2	-1.1	3.4
2460	75.2	-1.2	3.2
2470	74.7	-1.3	3.0
2480	71.3	-1.5	2.7
2490	70.0	-1.6	2.4
2500	70.5	-1.5	2.3





Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	50.1	-3.0	-0.5
5200	52.2	-2.8	-0.2
5250	51.9	-2.9	-0.3
5300	46.3	-3.3	-0.7
5350	43.7	-3.6	-0.9
5400	46.5	-3.3	-0.3
5450	49.9	-3.0	0.0
5500	51.5	-2.9	-0.1
5550	50.4	-3.0	-0.3
5600	44.7	-3.5	-0.6
5650	36.6	-4.4	-1.1
5700	36.9	-4.3	-0.8
5750	38.2	-4.2	-0.7
5800	42.8	-3.7	-0.7
5850	52.4	-2.8	0.3

