



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

# 规 格 承 认 书

## SPECIFICATION FOR APPROVAL

日期 2025/06/05  
Date \_\_\_\_\_  
编 号 25060501  
File No. \_\_\_\_\_  
版 本 1.0  
Revision \_\_\_\_\_

客 户 CUSTOME R: \_\_\_\_\_ 成都万创

客户料号 CUSTOMER NO: \_\_\_\_\_ YAA003R005

品 名 PART NAME: \_\_\_\_\_ 2.4GHz Antenna

供方料号 SUPPLIER NO: \_\_\_\_\_ YJS01.042.054.101A

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  ChenGuoqiang	CHECK XieLi	DESIGN ChenXingyi
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YJ-RD-F04-A



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## 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	2.0 Max@2.4-2.5GHz 10.5 Max@5.15-5.85GHz
Gain	2.0 dBi@2.4-2.5GHz 1.3 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%

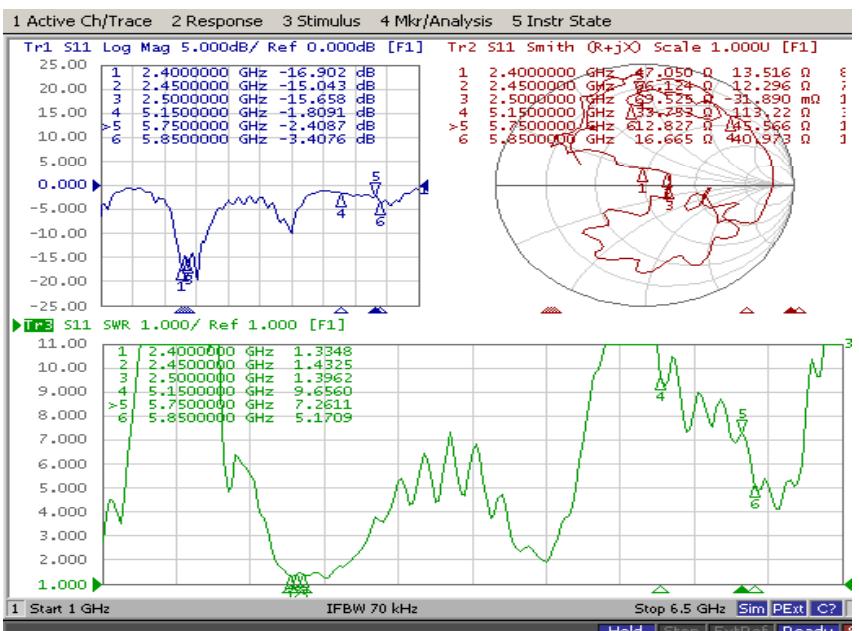


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## Antenna Performance Test

*Agilent  
E5071C  
S  
Parameter  
Test //  
WiFi  
Antenna*





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### Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	77.7	-1.1	2.0
2410	77.8	-1.1	2.0
2420	78.5	-1.1	1.9
2430	79.9	-1.0	1.9
2440	78.5	-1.1	1.7
2450	78.3	-1.1	1.7
2460	75.6	-1.2	1.5
2470	73.1	-1.4	1.4
2480	71.3	-1.5	1.3
2490	69.5	-1.6	1.2
2500	68.8	-1.6	1.1



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### Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	28.9	-5.4	-1.3
5200	30.0	-5.2	-0.5
5250	28.9	-5.4	-0.4
5300	30.8	-5.1	0.5
5350	32.2	-4.9	0.7
5400	32.2	-4.9	0.7
5450	35.4	-4.5	1.3
5500	29.3	-5.3	0.1
5550	24.8	-6.1	-0.9
5600	24.1	-6.2	-2.4
5650	23.6	-6.3	-3.5
5700	24.6	-6.1	-3.8
5750	25.3	-6.0	-3.1
5800	25.4	-6.0	-2.7
5850	24.6	-6.1	-3.1



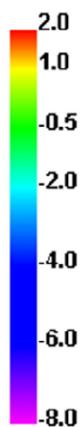
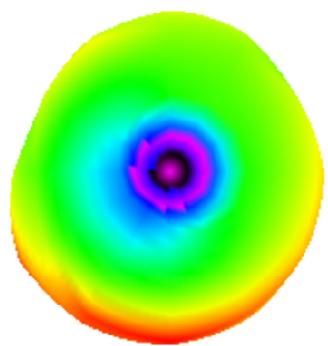
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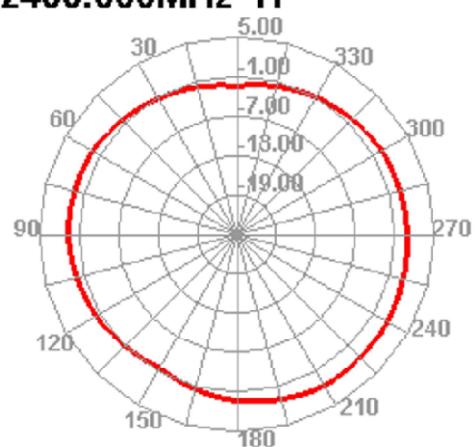
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### Radiation Pattern For WiFi Antenna (2400MHz)

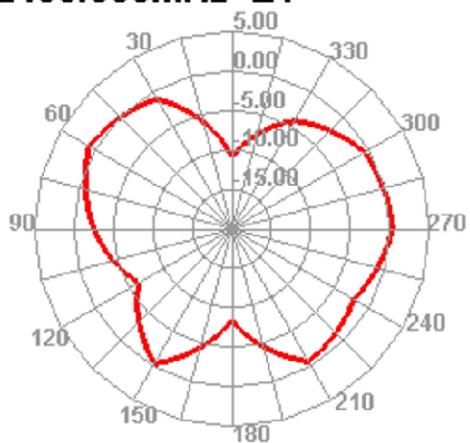
2400.000MHz



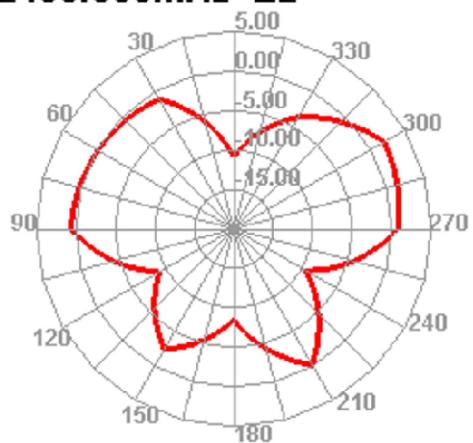
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



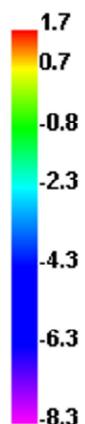
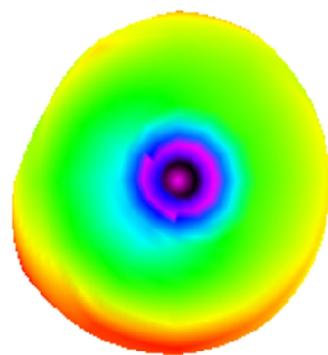
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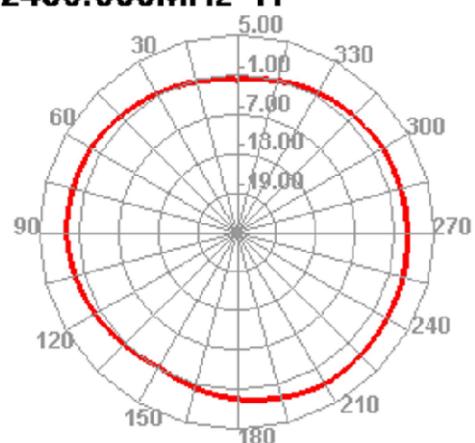
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### Radiation Pattern For WiFi Antenna (2450MHz)

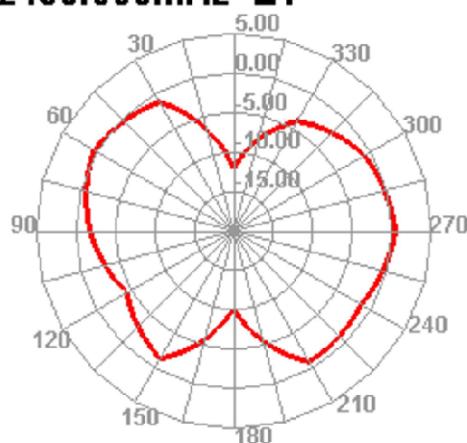
2450.000MHz



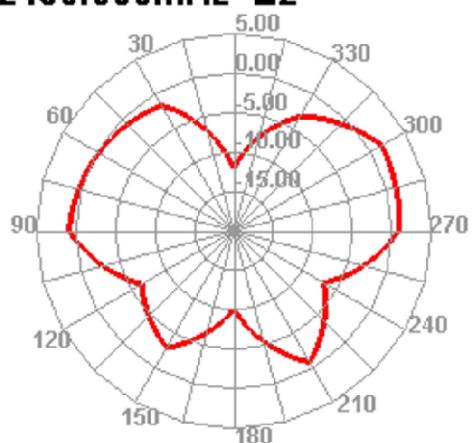
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



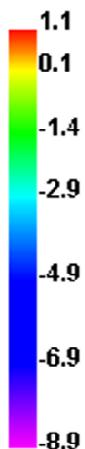
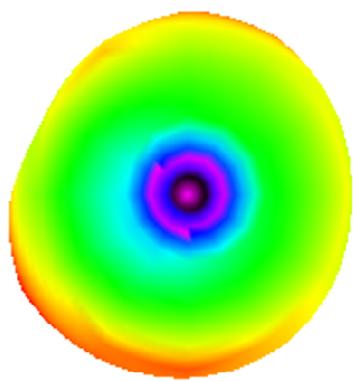
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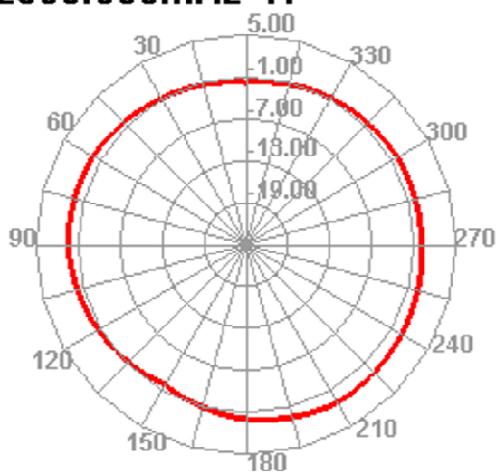
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### Radiation Pattern For WiFi Antenna (2500MHz)

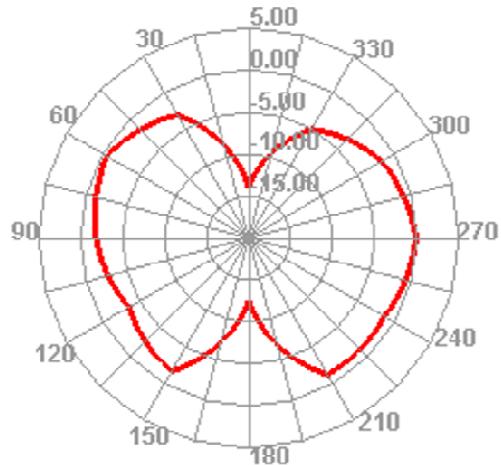
2500.000MHz



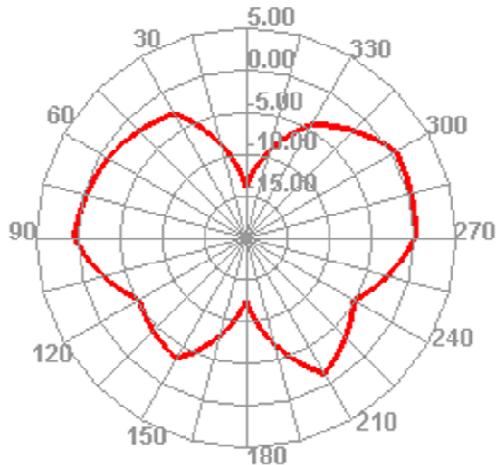
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



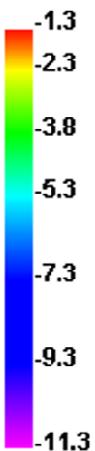
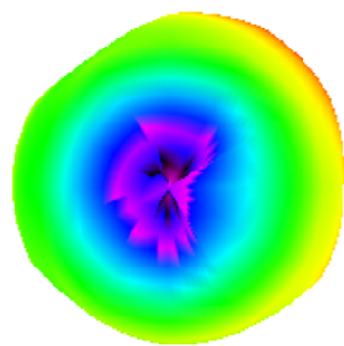
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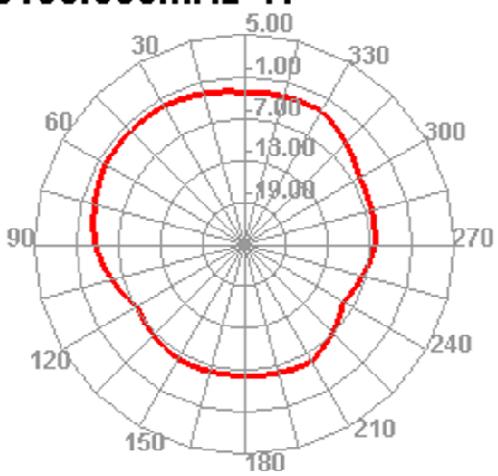
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### Radiation Pattern For WiFi Antenna (5150MHz)

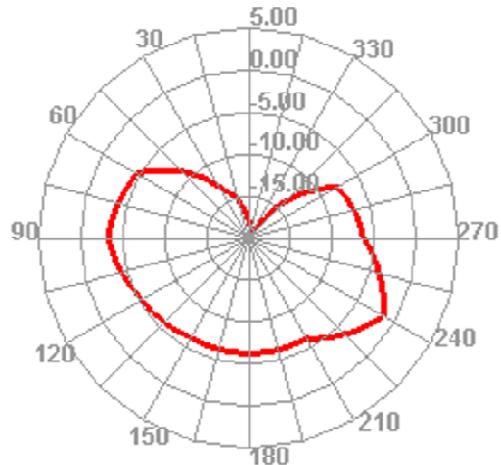
5150.000MHz



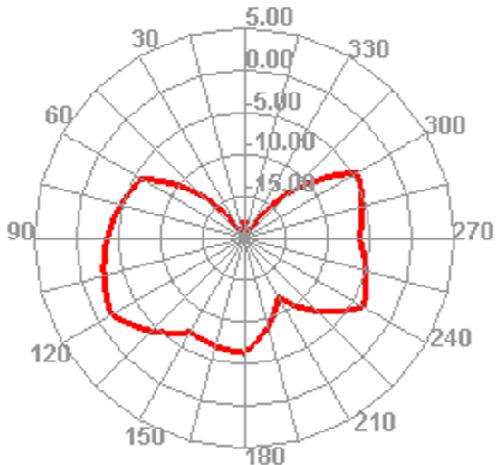
5150.000MHz H



5150.000MHz E1

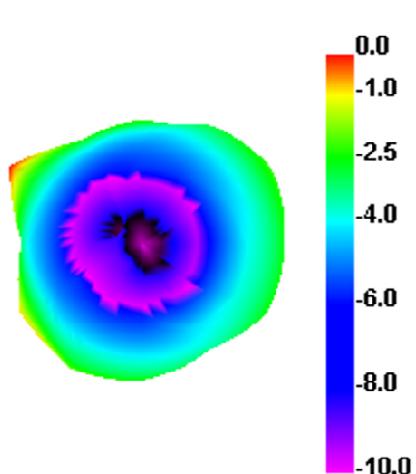
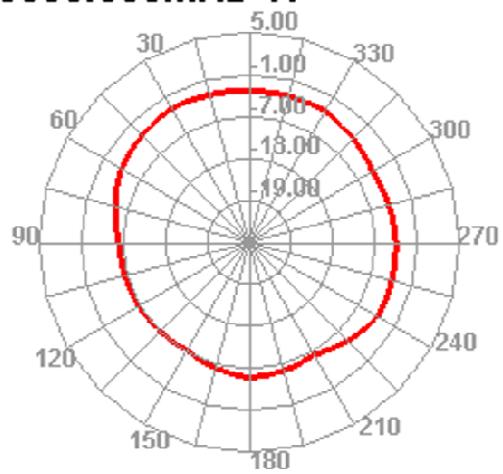
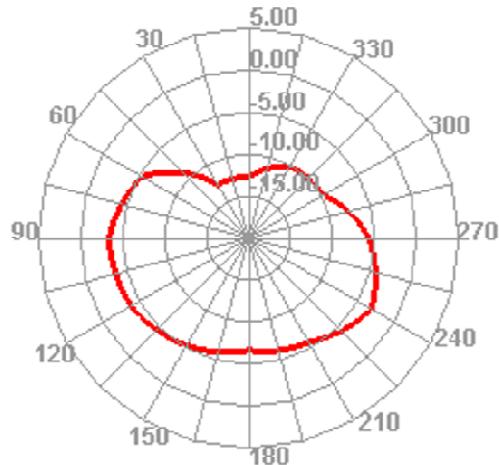
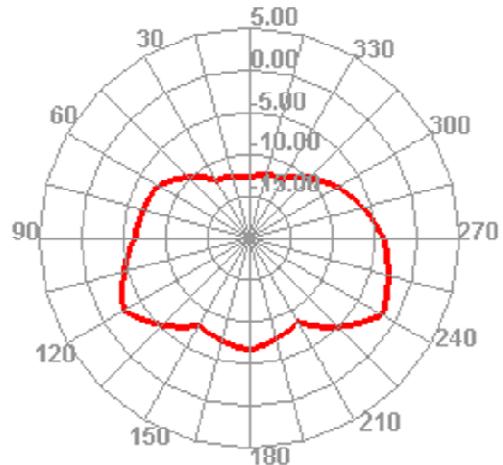


5150.000MHz E2



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## Radiation Pattern For WiFi Antenna (5500MHz)

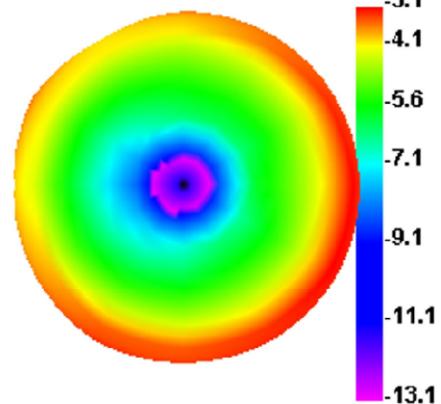
**5500.000MHz****5500.000MHz H****5500.000MHz E1****5500.000MHz E2**



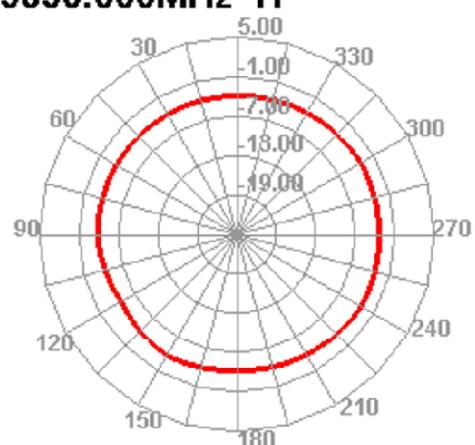
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### Radiation Pattern For WiFi Antenna (5850MHz)

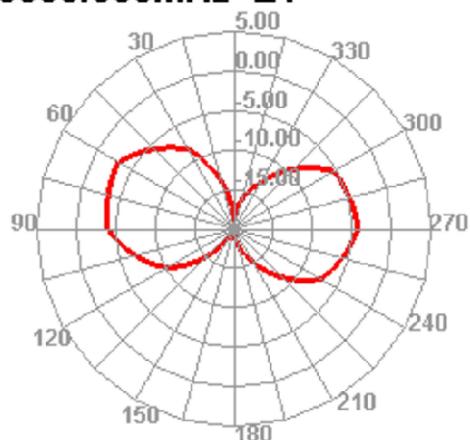
5850.000MHz



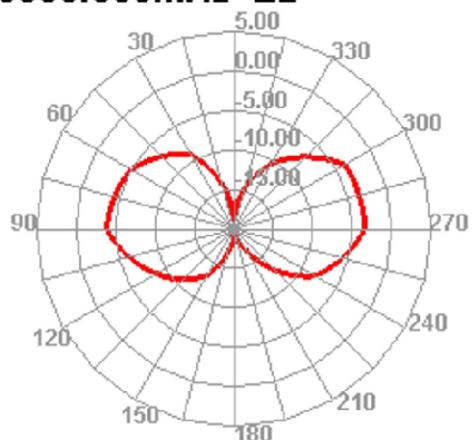
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



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