



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
Date

2024/01/02

编号
File No

24010202

版本
Revision

1.0

客户
CUSTOMER:

驰晶

客户料号
CUSTOMER NO:

RP4

品名
PART NAME:

WiFi Antenna

供方料号
SUPPLIER NO:

YJH01.019.012.302A

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

add: Yuanfu Industrial Zone, No. 59 Muyu Road, Shatou Community, Chang'an Town, Dongguan, China

Tel:0769-82586086 Fax:0769-82586086



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RoHS

Compliance

CUSTOMER

PART NO

REV.



DESCRIPTION

首次发行

DATE

2023-12-30



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co., Ltd. Tel :0769-85535057 Fax:0769-81664308

PART NAME: WiFi Antenna

PART NO.: YJH01.019.012.302A

DATE: 2023-12-30

APPROVED BY

CHECKED BY

DESIGNED BY



殷涛

石燊皇

吕森桦

UNITS: mm

SCALE: 1/1

REVISION: A

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

3	FPCB	32.2*19.1MM	FPCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.0.81 Black	O.D.0.81	COA1000XA.P01	1
1	Mini Connector	Au Plated 4代	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.1 Max@2.4-2.5GHz
Gain	2.0 dBi@2.4-2.5GHz
Radiation	Omni-directional
Polarization	Linear

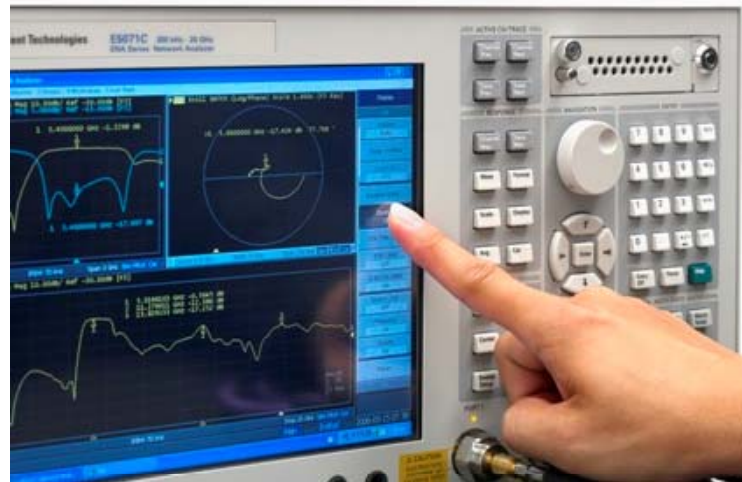
Physical Properties

Connector	4代IPEX
Cable Type	O.D.0.81mm
Cable Length	45mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

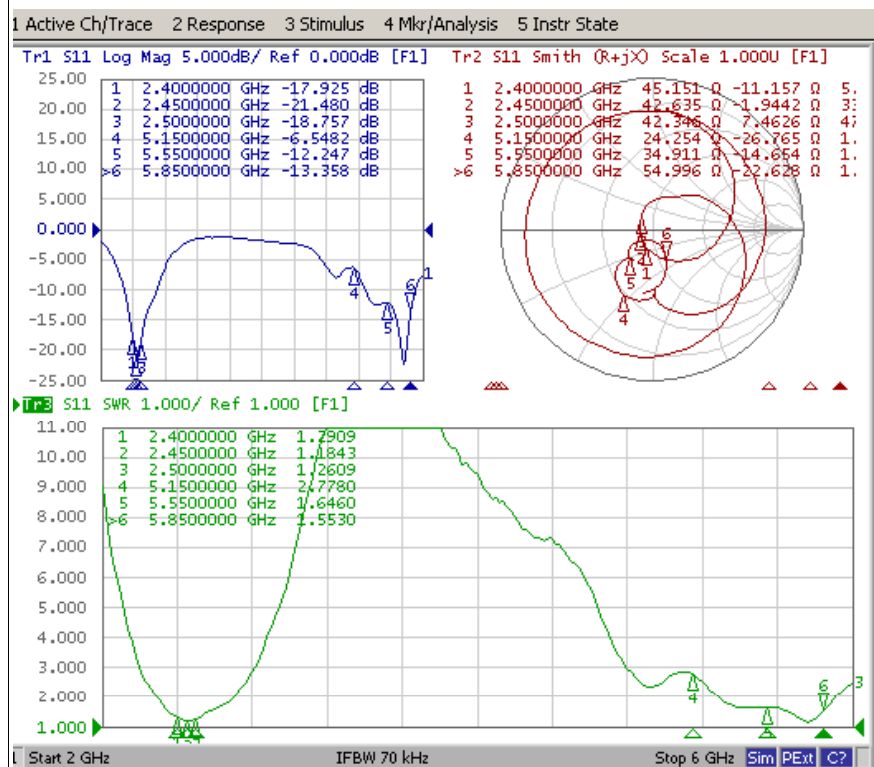
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Agilent E5071B



S Parameter Test // WIFI Antenna





Passive Test For WiFi2.4G Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	48.4	-3.2	1.4
2410	47.9	-3.2	1.4
2420	46.7	-3.3	1.3
2430	45.5	-3.4	1.4
2440	44.5	-3.5	1.4
2450	48.0	-3.2	1.8
2460	47.5	-3.2	1.7
2470	48.2	-3.2	1.9
2480	47.7	-3.2	2.0
2490	48.2	-3.2	1.6
2500	48.3	-3.2	1.8

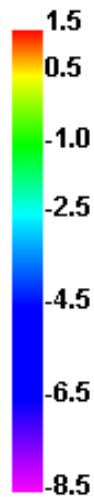
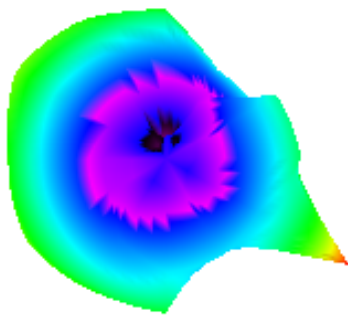
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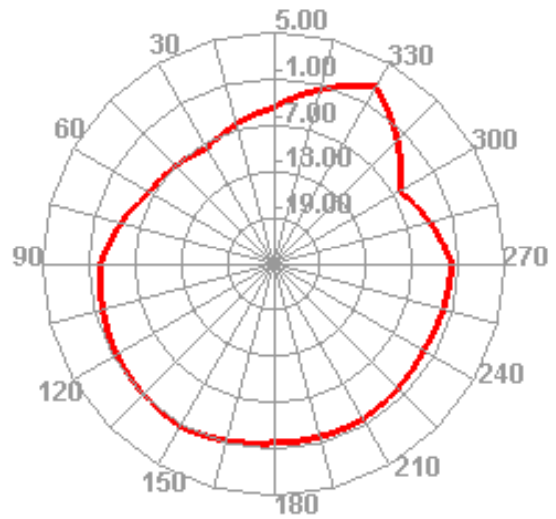


Radiation Pattern For WIFI2.4 Antenna

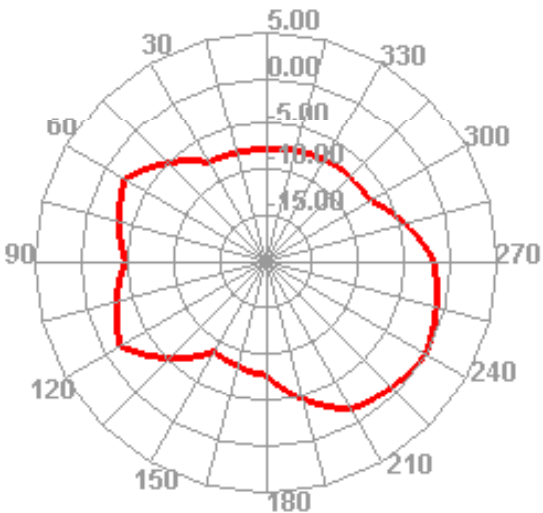
2400.000MHz



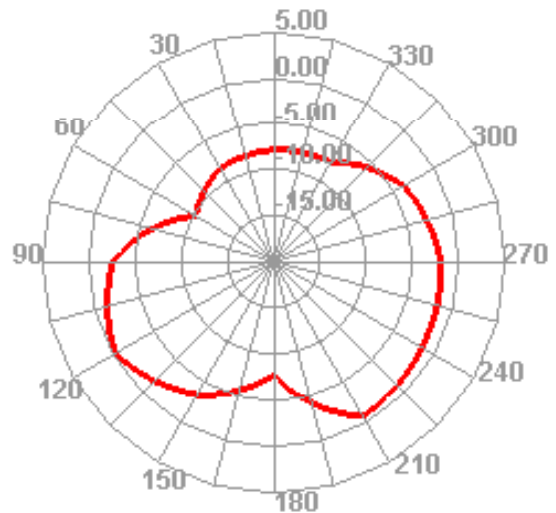
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



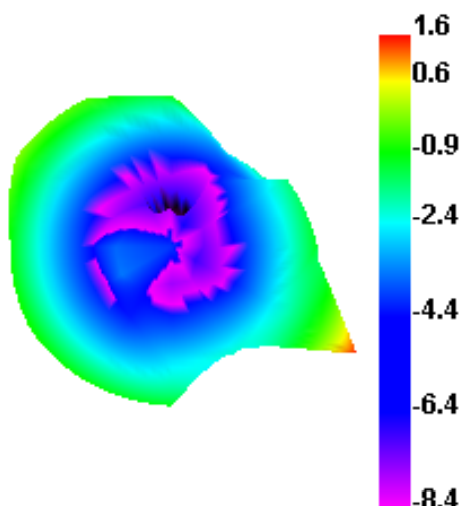
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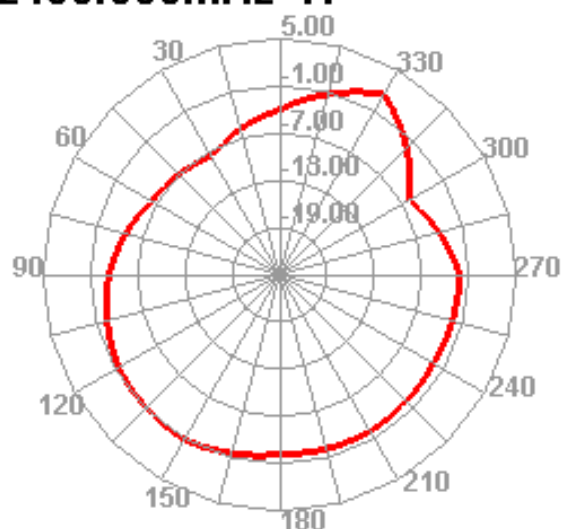


Radiation Pattern For WIFI2.4 Antenna

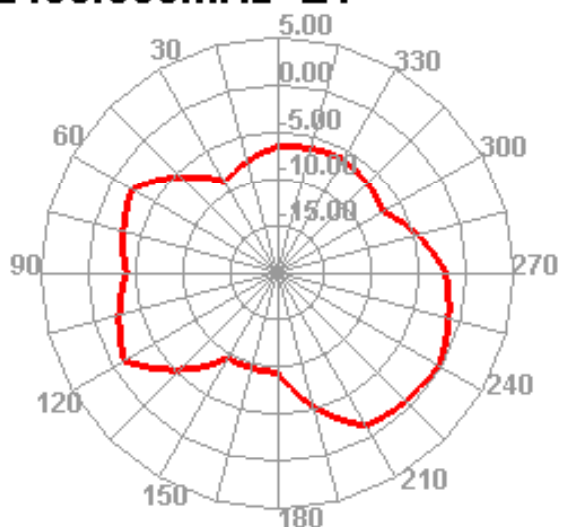
2450.000MHz



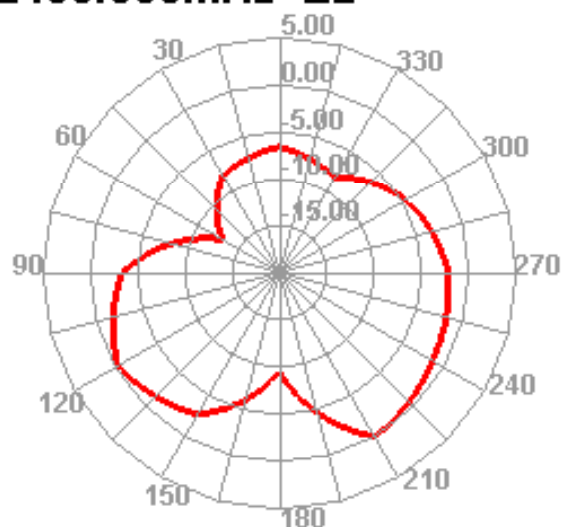
2450.000MHz H



2450.000MHz E1



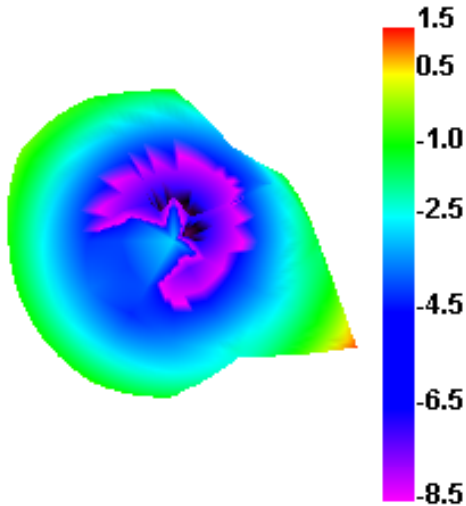
2450.000MHz E2



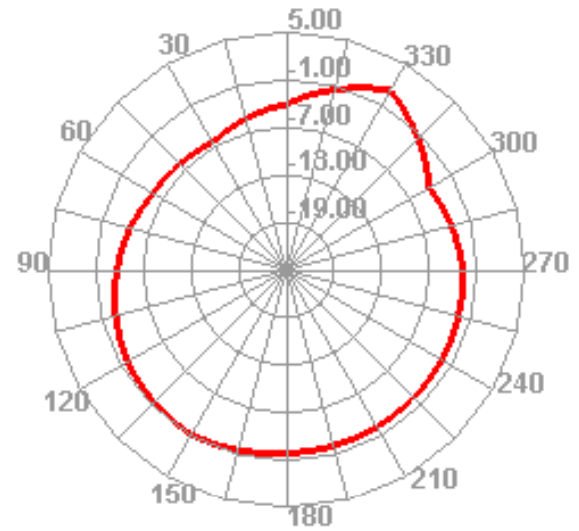


Radiation Pattern For WIFI2.4 Antenna

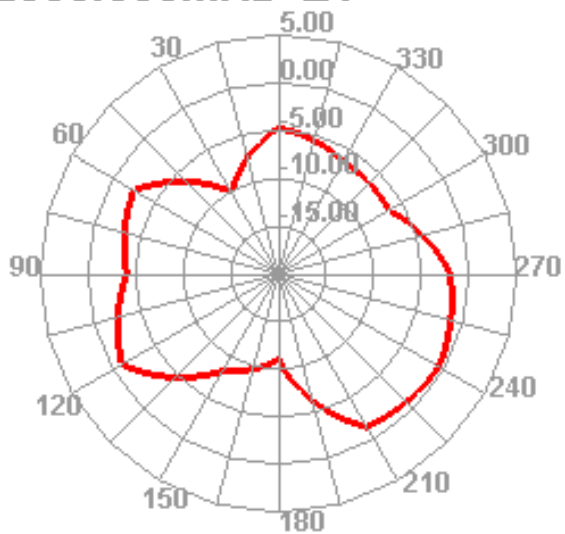
2500.000MHz



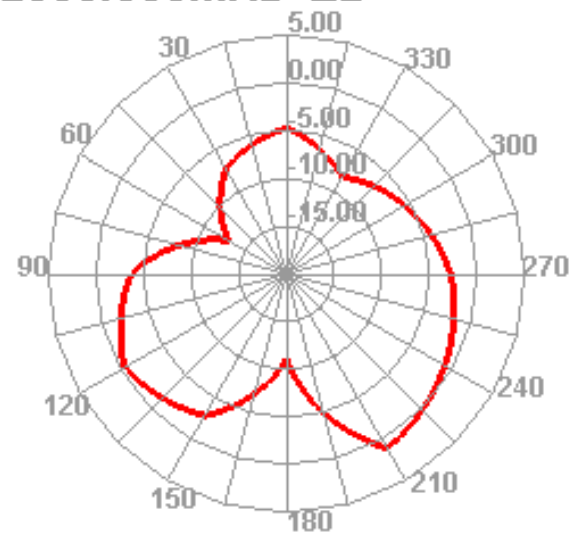
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



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