



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



承认书项目表

NO ·	内 容 (Contents)	页 数 (Number of Page)	页 码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	天线规格 (Antenna Specification)	1	4
5	S参数测试 (S Parameter)	1	5
6	无源测试 (Passive Test)	2	6 ~ 7
7	方向图 (Radiation Pattern)	6	8 ~ 13
8	有源测试 (Active Test)	1	14
9	天线装配图 (Antenna Profile)	6	15 ~ 20
10	材质证明 (Material Certificate)	43	21 ~ 63
11	RoHS报告 (RoHS Test Report)	**	**
12	N/A	N/A	N/A
13	-	-	-

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



Tolerance

殷涛

石燊皇

吕森桦

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: A

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

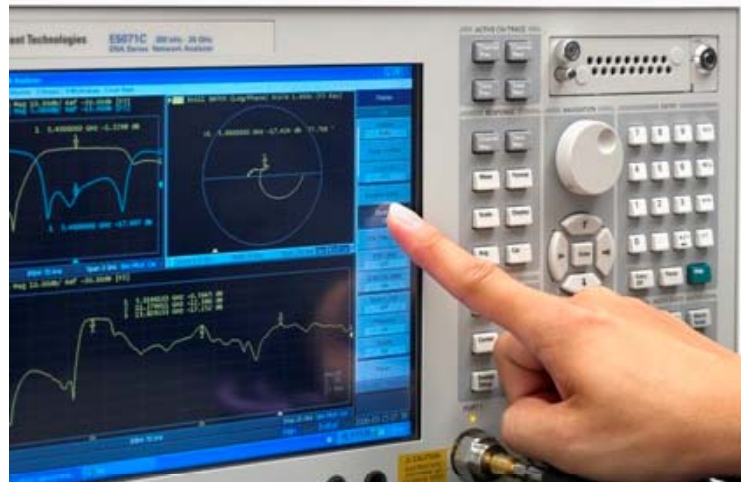
Physical Properties

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%

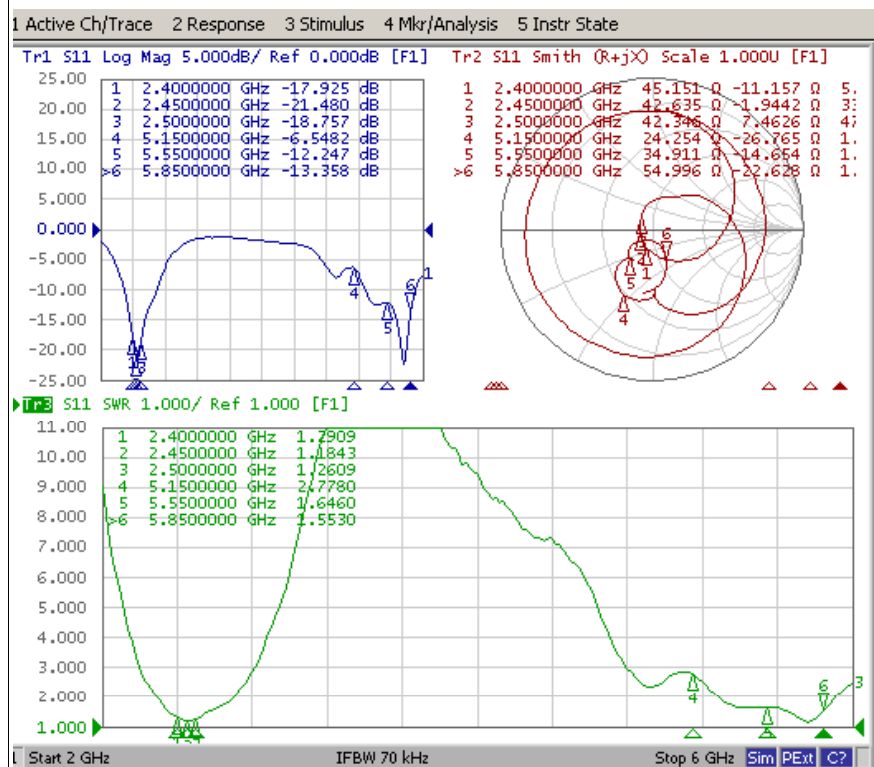
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Agilent E5071B



S Parameter Test // WIFI Antenna



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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

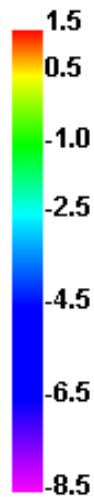
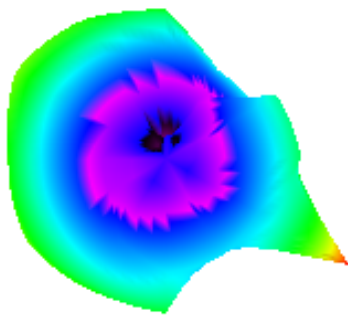
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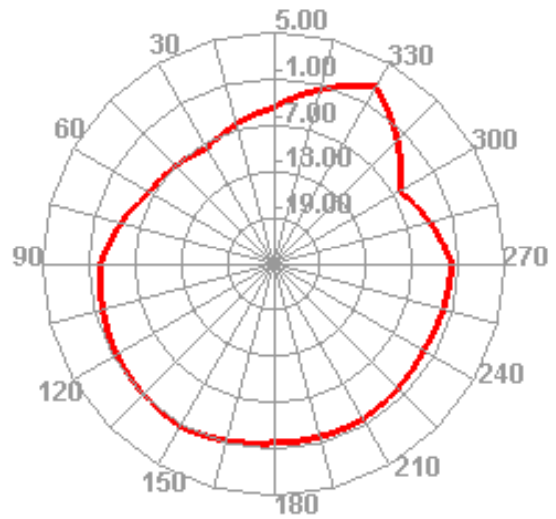


Radiation Pattern For WIFI2.4 Antenna

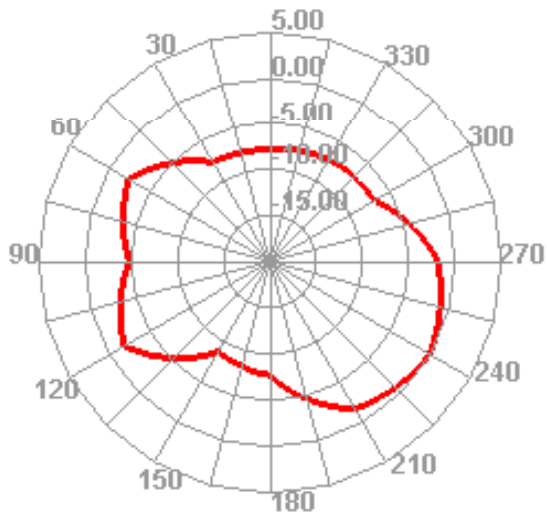
2400.000MHz



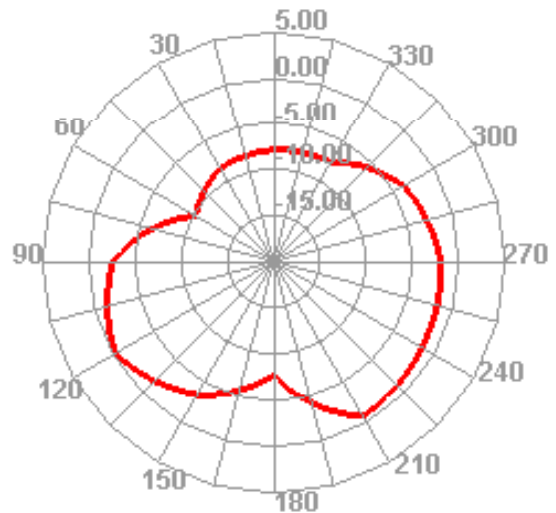
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



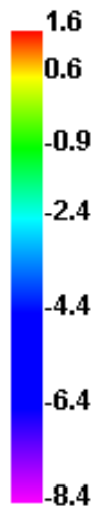
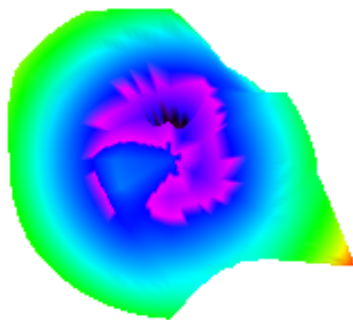
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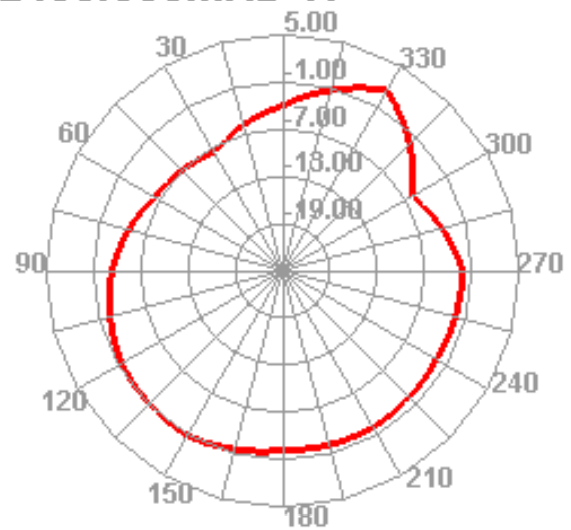


Radiation Pattern For WIFI2.4 Antenna

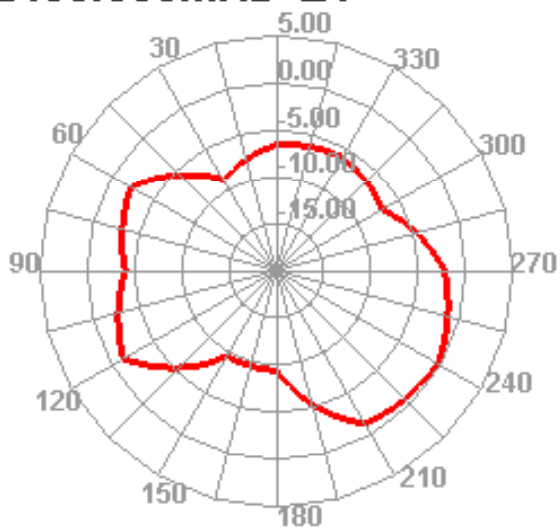
2450.000MHz



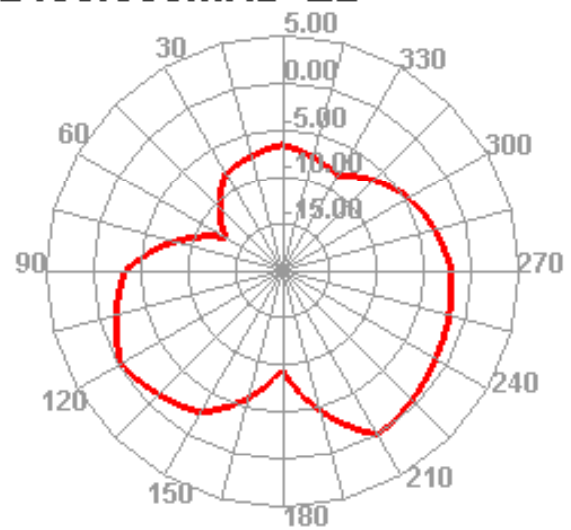
2450.000MHz H



2450.000MHz E1



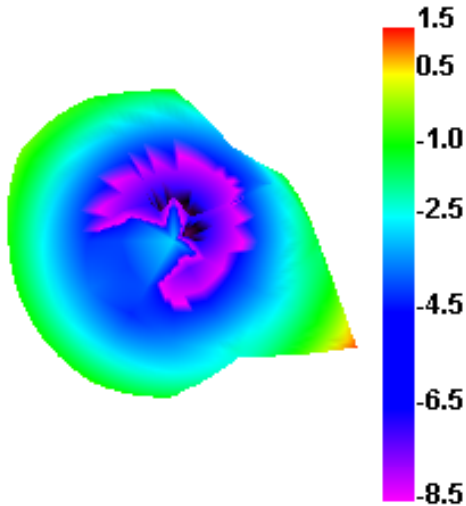
2450.000MHz E2



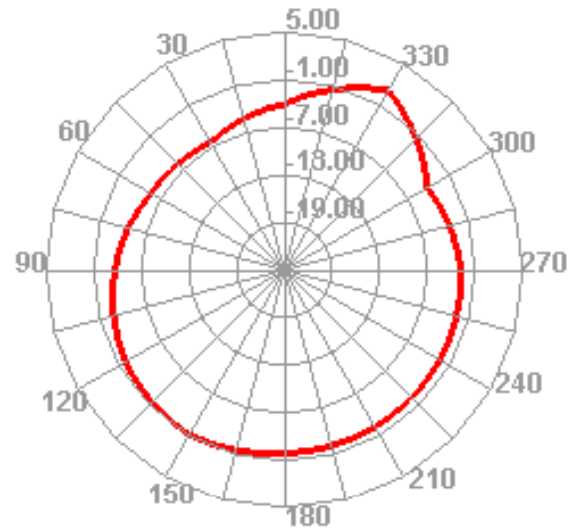


Radiation Pattern For WIFI2.4 Antenna

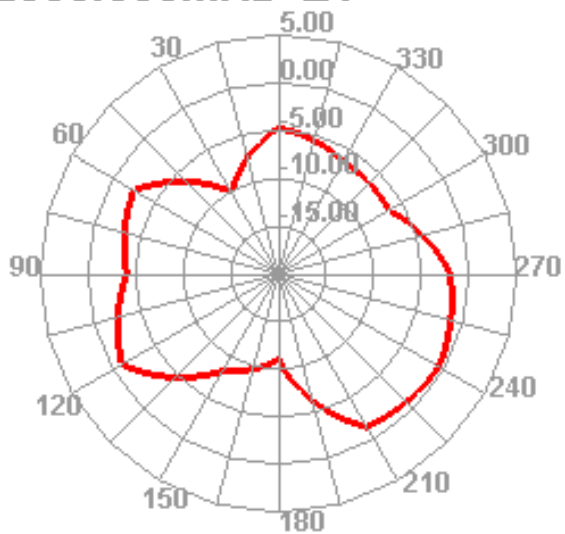
2500.000MHz



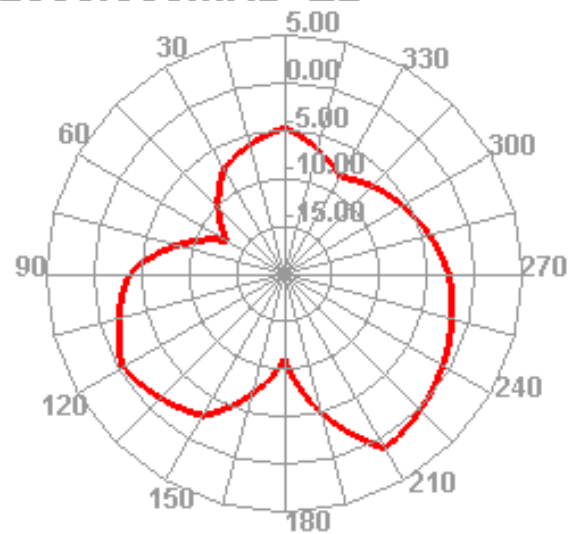
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



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