



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	2022/10/19
编号 File No	22101901
版本 Revision	1.0

客户  
CUSTOMER: VDO

客户料号  
CUSTOMER NO: \_\_\_\_\_

品名  
PART NAME: WIFI Antenna L=55mm MHF

供方料号  
SUPPLIER NO: YJL01.173.001.301A

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: No. 59 Muyu Road, Yuanfu Industrial Zone, Shatou Community, Chang'an Town, Dongguan City  
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## Confirmation Letter Project Table

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

**RoHS**  
Compatible

CUSTOMER  
PART NO

REV.

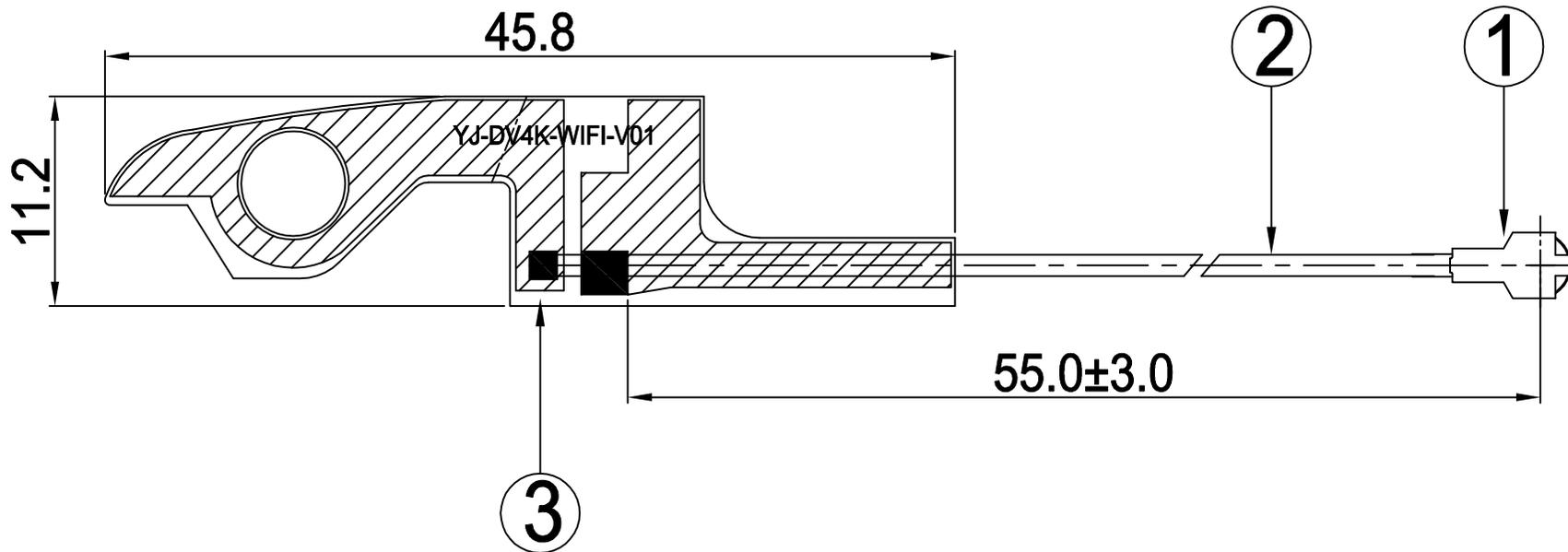
DESCRIPTION

DATE

△

首次发行

2022-03-04



东莞市一佳电子通讯科技有限公司

Tel :0769-82586086

Dongguan YiJia Electronics Communication Technology Co.,Ltd. Fax:0769-82586086

PART NAME: WIFI Antenna L=55mm MHF

PART NO.: YJL01.173.001.301A

DATE: 2022-03-04

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: A

X° ±3°

3	FPC	45.8*11.2mm	FPC	FPC11XXA.P01	1
2	Coaxial Cable	O.D.0.81 Black	O.D.0.81	COA100XXA.P01	1
1	Mini Connector	Au Plated 3代	Cu	TER100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

A

1 2 3 4 5 6 7 8



# 天线规格

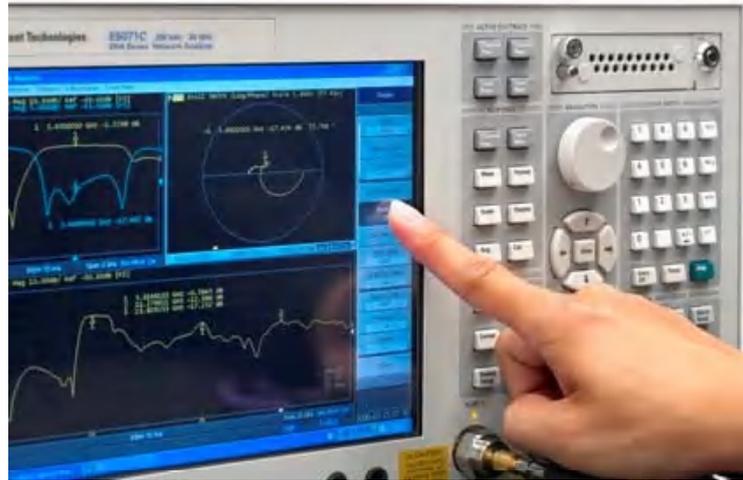
## Antenna Specification

<b>Electrical Properties</b>	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	1.9 dBi
Radiation	Omni-directional
Polarization	Linear
<b>Physical Properties</b>	
Connector	3代IPEX
Cable Type	O.D.0.81mm
Cable Length	55mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

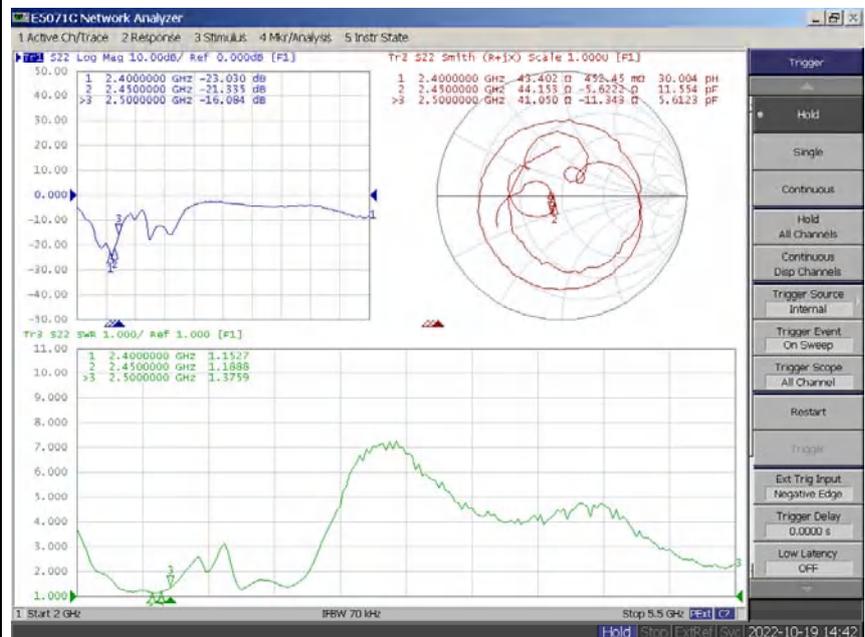


# Antenna Performance Test

**Agilent  
E5071C**



**S  
Parameter  
Test //  
WIFI  
Antenna**





## *Antenna Passive Test*



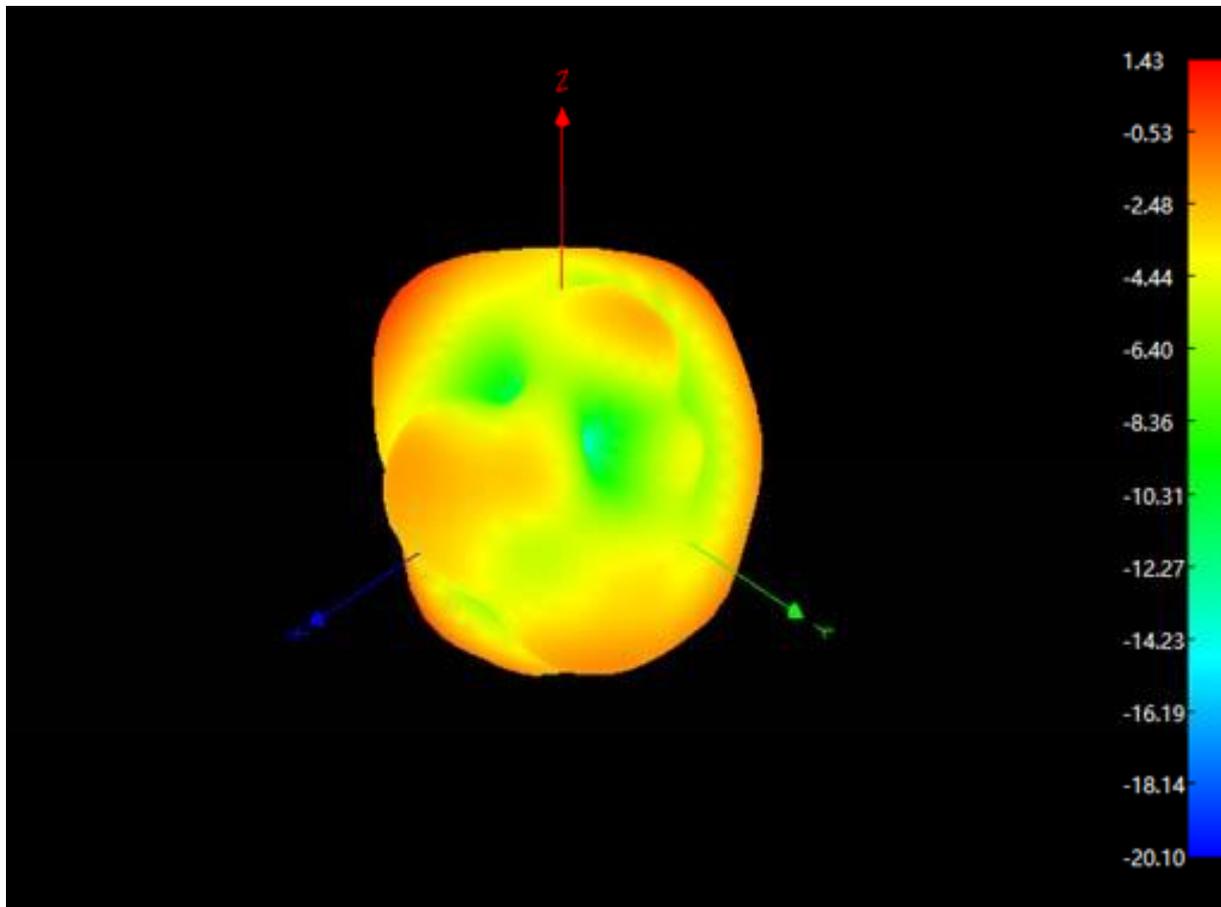


### Passive Test For WIFI Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	44.2	-3.6	1.8
2410	42.4	-3.7	1.6
2420	41.8	-3.8	1.3
2430	42.3	-3.7	1.4
2440	41.6	-3.8	1.2
2450	42.3	-3.7	1.4
2460	41.6	-3.8	1.2
2470	45.0	-3.5	1.8
2480	44.6	-3.5	1.7
2490	46.5	-3.3	1.9
2500	44.9	-3.5	1.6

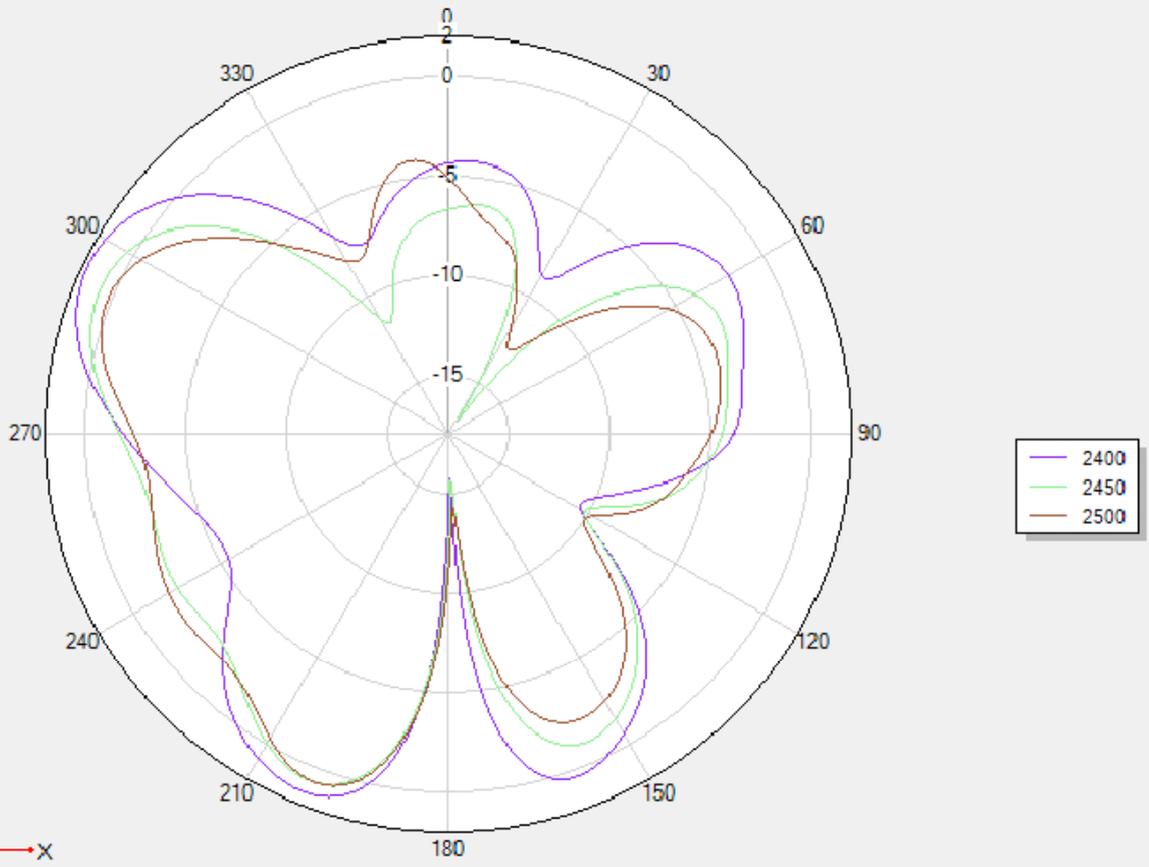


## Radiation Pattern For WIFI Antenna(2450MHz)



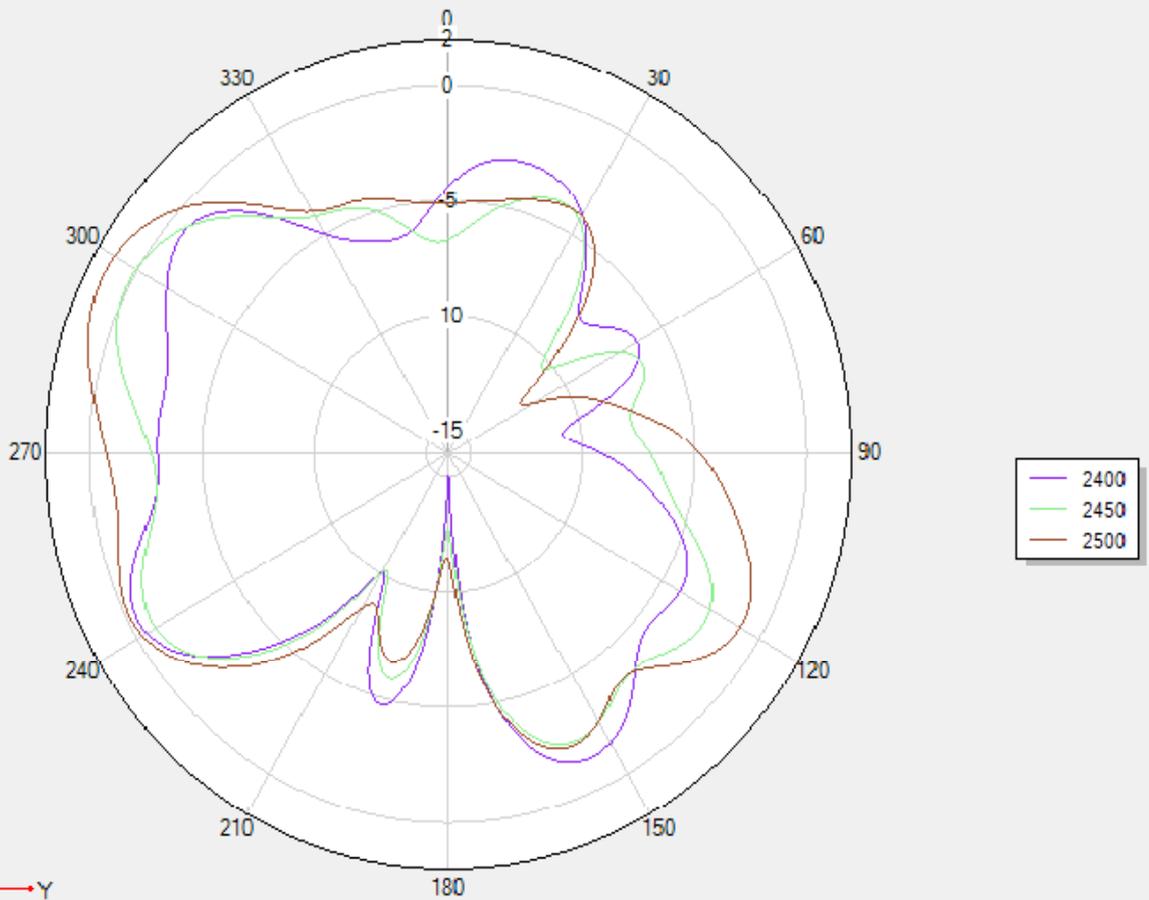


## Radiation Pattern For WIFI Antenna(Phi 0)





## Radiation Pattern For WIFI Antenna(Phi 90)





## Radiation Pattern For WIFI Antenna(Theta 90)

