



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	2024/05/23
编号 File No	24052301
版本 Revision	1.0

客户
CUSTOMER:

方位 Fanvil

客户料号
CUSTOMER NO:

LEADA100055A0

品名
PART NAME:

WIFI双频 Antenna L=40mm (WIFI dual-band Antenna L 40mm)

供方料号
SUPPLIER NO:

YJL01.106.066.301A

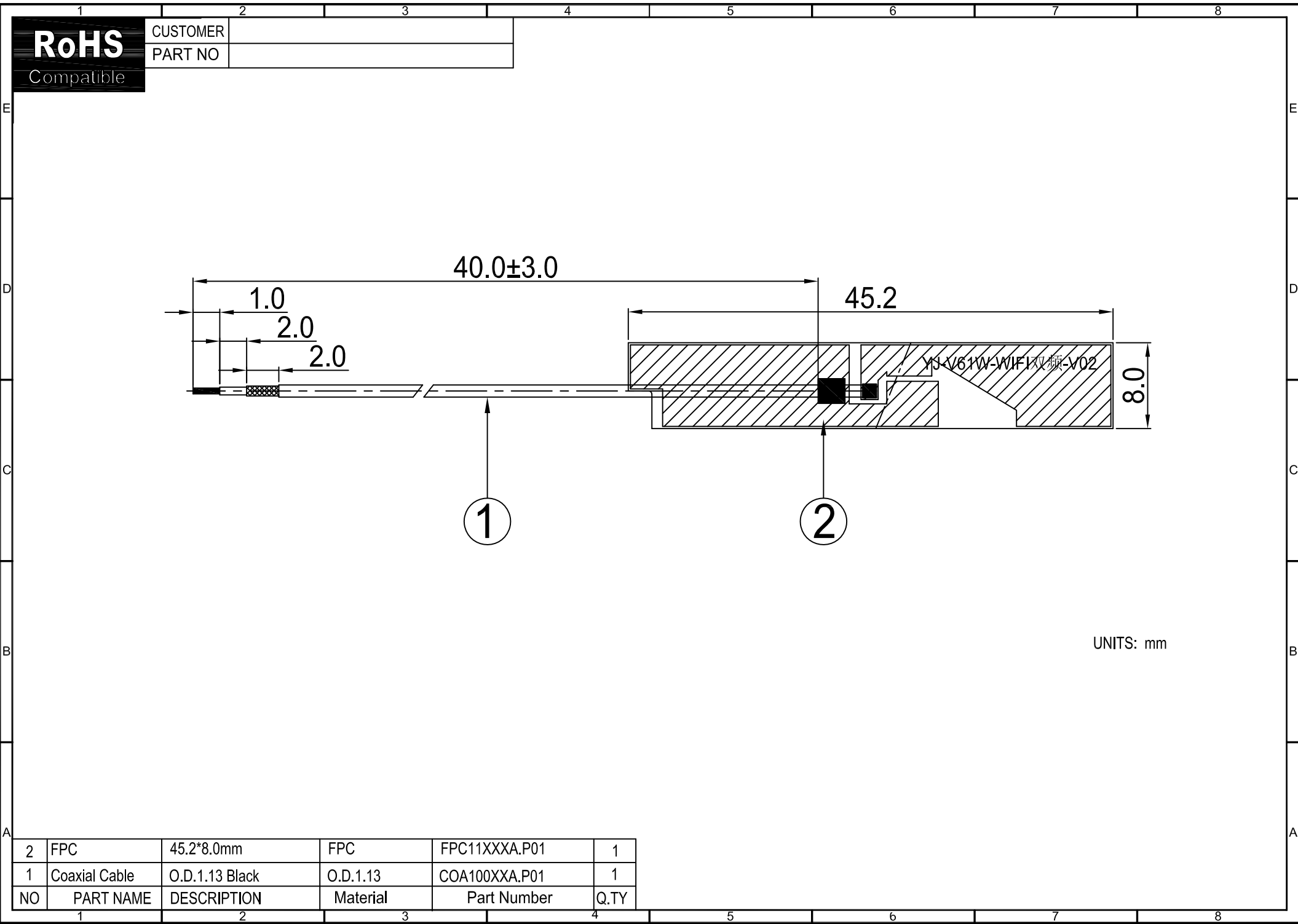
送样日期Date:

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



RoHS
Compatible

CUSTOMER	
PART NO	

UNITS: mm

2	FPC	45.2*8.0mm	FPC	FPC11XXXA.P01	1
1	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	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	2.0 Max@2.4-2.5GHz 3.0 Max@5.15-5.85GHz
Gain	5.2 dBi@2.4-2.5GHz 4.6 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear

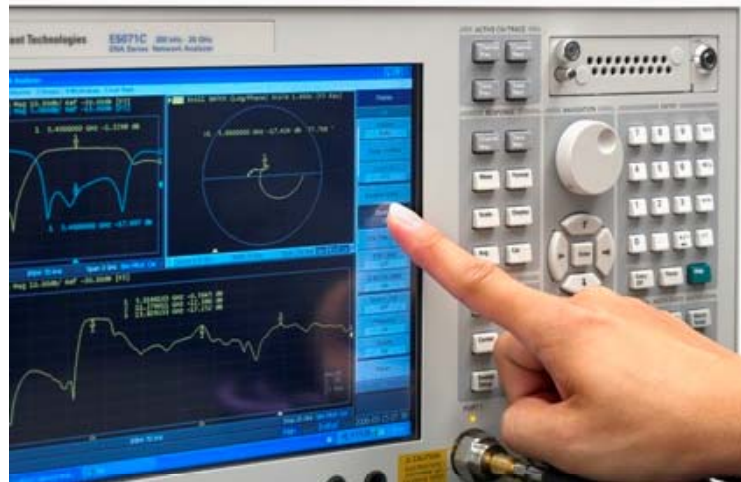
Physical Properties

Connector	None
Cable Type	O.D.1.13mm
Cable Length	40mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

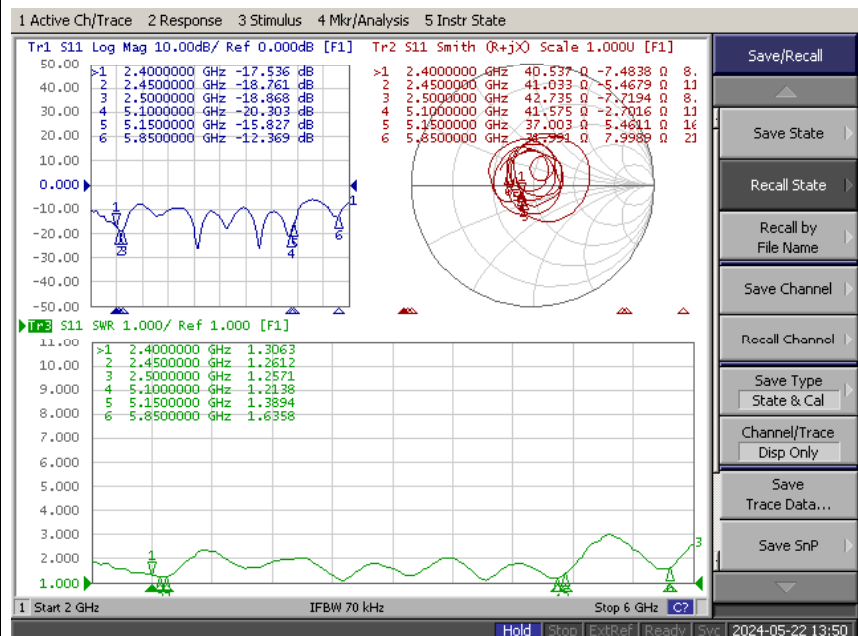


Antenna Performance Test

**Agilent
E5071B**



**S
Parameter
Test //
WiFi
Antenna**





Antenna Passive Test





Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.9	-2.0	5.0
2410	62.5	-2.0	4.9
2420	61.1	-2.1	4.6
2430	61.8	-2.1	4.4
2440	61.7	-2.1	4.4
2450	65.0	-1.9	4.8
2460	61.7	-2.1	4.6
2470	64.1	-1.9	5.1
2480	63.1	-2.0	4.9
2490	65.6	-1.8	5.2
2500	62.1	-2.1	4.8

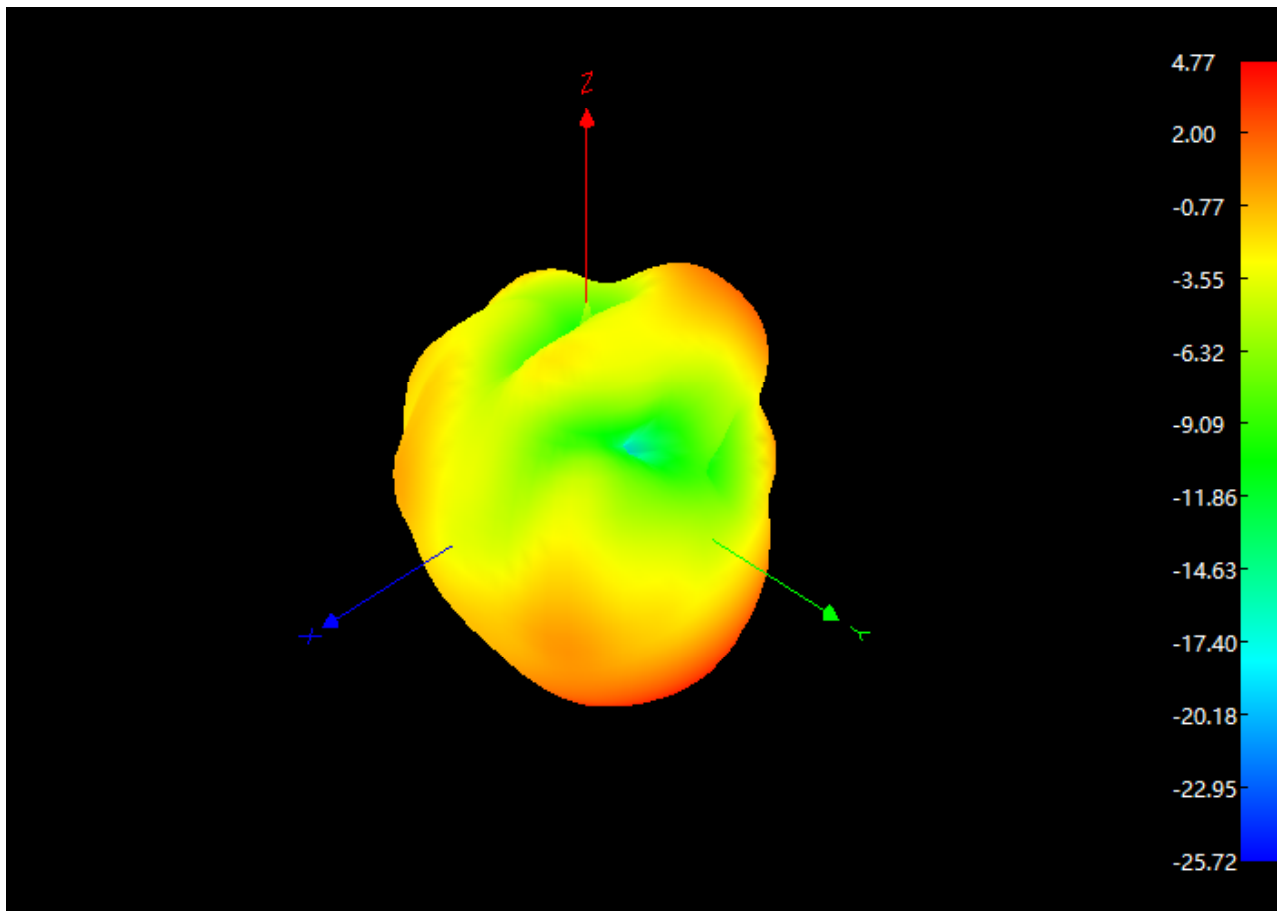


Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	66.8	-1.8	3.4
5200	62.0	-2.1	4.0
5250	66.4	-1.8	3.7
5300	60.5	-2.2	3.4
5350	58.2	-2.4	3.1
5400	61.1	-2.1	3.5
5450	58.3	-2.3	2.9
5500	50.9	-2.9	2.6
5550	54.3	-2.7	3.0
5600	61.7	-2.1	3.4
5650	53.6	-2.7	3.5
5700	53.2	-2.7	3.3
5750	63.3	-2.0	4.6
5800	61.1	-2.1	4.5
5850	60.1	-2.2	4.5



Radiation Pattern For WiFi Antenna(2450MHz)





Radiation Pattern For WiFi Antenna(5150MHz)

