



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	2022/11/02
编号 File No	22110201
版本 Revision	1.0

客户
CUSTOMER: 汇思科

客户料号
CUSTOMER NO: 宠物家

品名
PART NAME: 2.4G Antenna

供方料号
SUPPLIER NO: YJL01.141.001.101A

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	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

add: 东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086



承认书项目表

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

RoHS

Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE

A

首次发行

2020-09-04

B

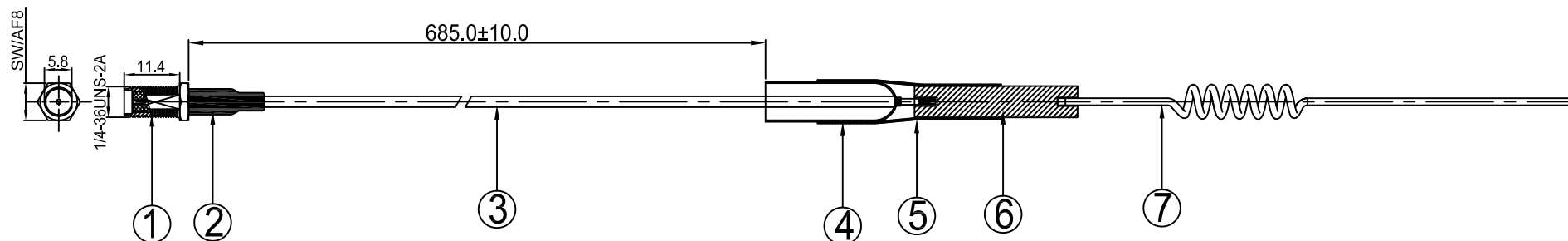
更改线材和线长

2020-11-17

C

使用SMA接头

2021-05-14



7	Spring	Ø1.2*88.5MM	SPR10045A.P01	1
6	Copper Pillar	Ø4.5*22.0MM	COP10011A.P02	1
5	Shrink Tube(带胶)	Ø6.5*18.0MM Black	TUB10010A.P01	1
4	Copper Tube	Cu Ø6.8*23.0MM	COP10045A.P01	1
3	Coaxial Cable	RG178	COA100XXA.B04	1
2	Hot Shrink Tube	L12.0mm/Ø2.5mm	TUB10002A.P01	
1	SMA Female	Au Plated	CON100XXA.P01	1
NO	PART NAME	DESCRIPTION	PART NO.	Q.TY



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

PART NAME: 2.4G Antenna

PART NO.: YJL01.141.001.101A

DATE: 2021-05-14

APPROVED BY

CHECKED BY

DESIGNED BY

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

陈国强

林 斌

黄望春

UNITS: mm

SCALE: 1/1

REVISION: A



天线规格

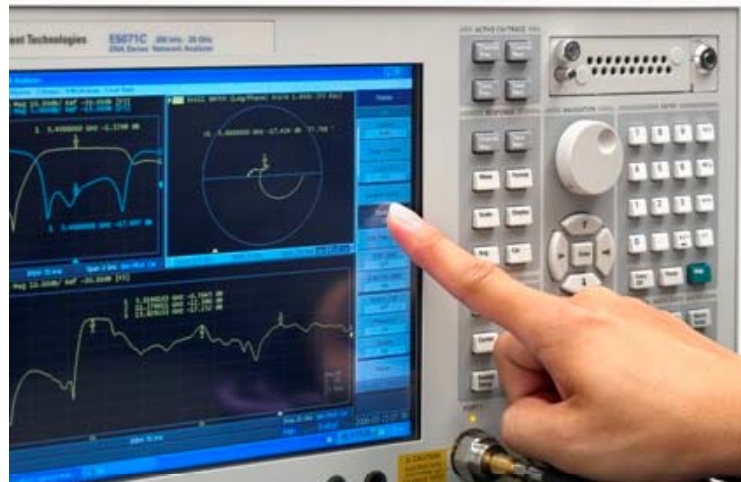
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	4.5 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	SMA Female
Cable Type	RG178
Cable Length	685mm
Cable Color	Brown
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

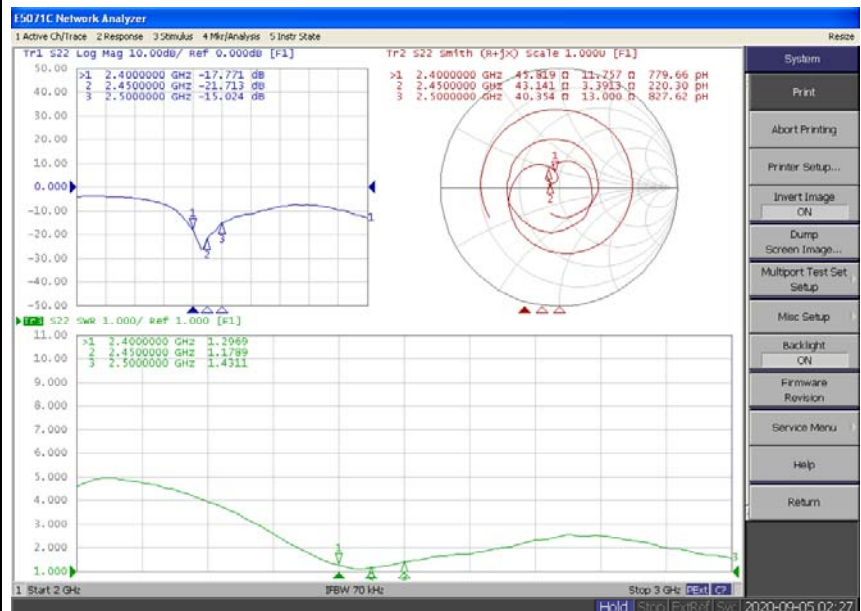


Antenna Performance Test

**Agilent
E5071B**

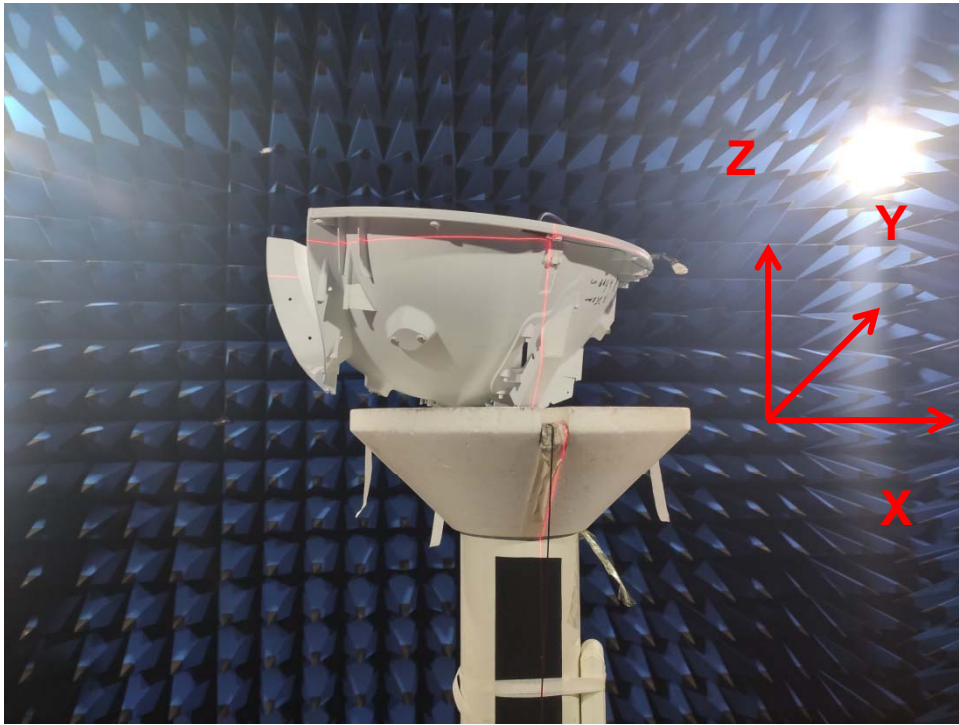


**S
Parameter
Test //
WiFi
Antenna**





Antenna Passive Test

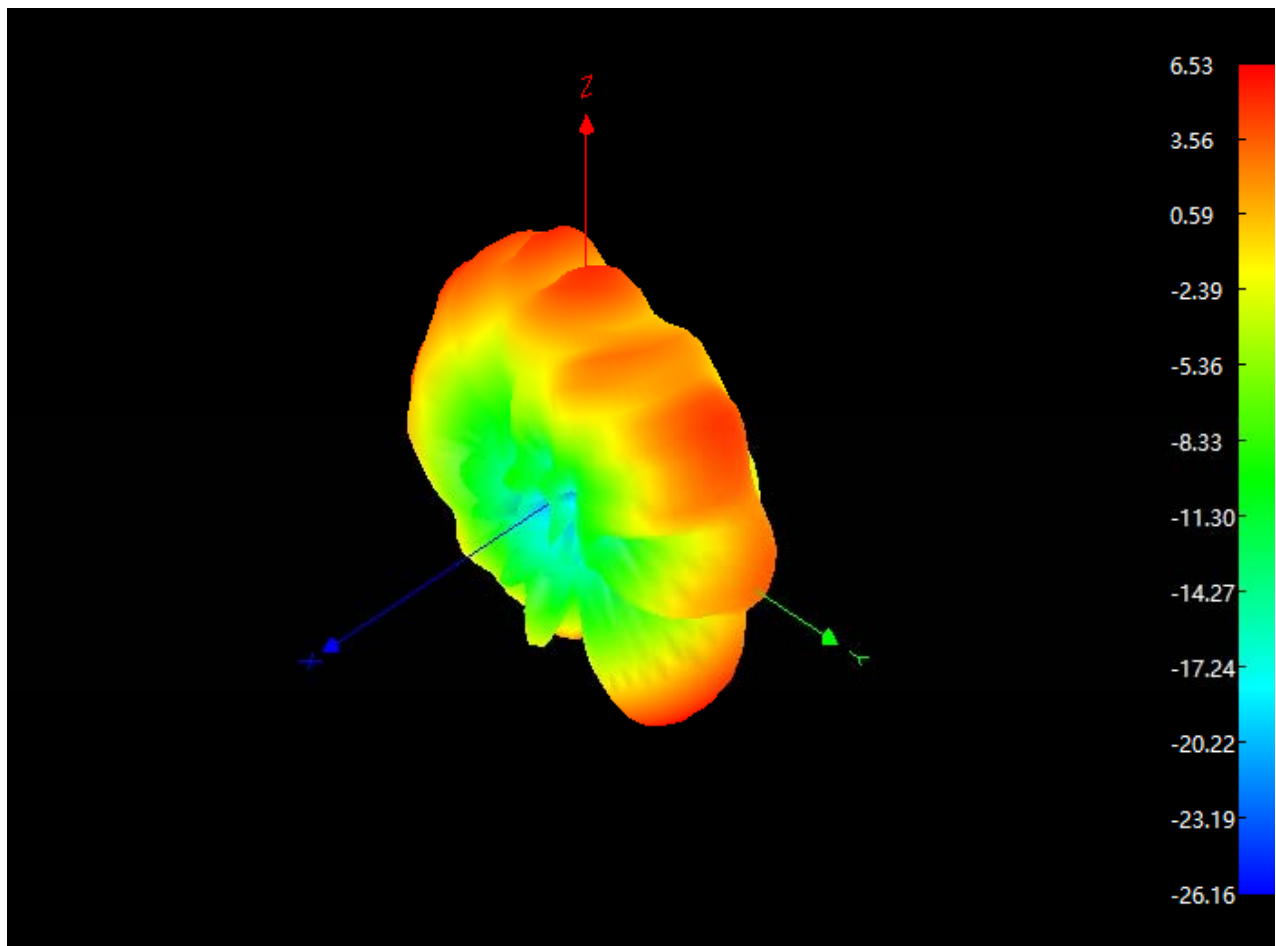




Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.5	-2.0	4.0
2410	64.0	-1.9	4.2
2420	62.1	-2.1	4.1
2430	63.5	-2.0	4.3
2440	65.9	-1.8	4.4
2450	67.3	-1.7	4.5
2460	64.3	-1.9	4.0
2470	67.6	-1.7	4.5
2480	65.9	-1.8	4.3
2490	64.6	-1.9	4.5
2500	60.7	-2.2	4.1



Radiation Pattern For WiFi Antenna(2450MHz)





Device

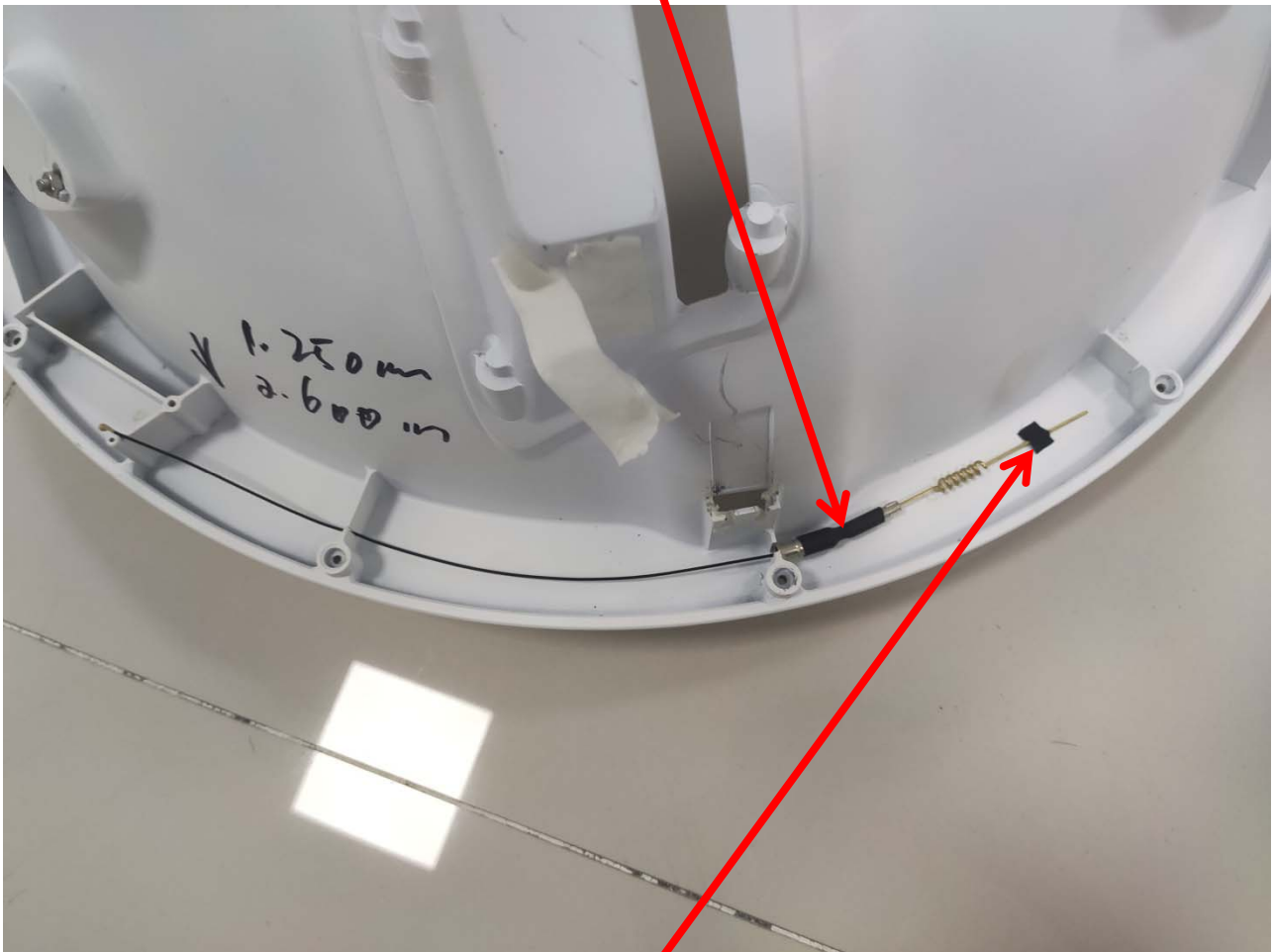


***WiFi
Antenna***





WiFi Antenna



醋酸布固定

Acetate cloth fixation