



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	2023/12/12
编号 File No	23121201
版本 Revision	1.0

客户
CUSTOMER:

宜准信息

客户料号
CUSTOMER NO:

C022

品名
PART NAME:

BT Antenna

供方料号
SUPPLIER NO:

YJF01.038.020.301A

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: 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

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)	1	8
8	天线装配图 (Antenna Profile)	2	9 ~ 10
9	材质证明 (Material Certificate)	2	11 ~ 12
10	RoHS报告 (RoHS Test Report)	**	**
11	N/A	N/A	N/A
12	-	-	-
13	-	-	-

RoHS
Compatible

CUSTOMER
PART NO

REV.

DESCRIPTION

DATE

A

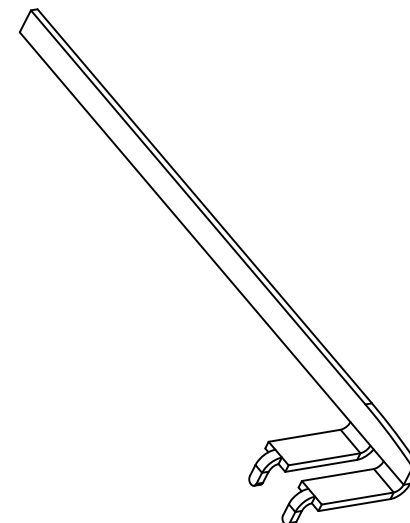
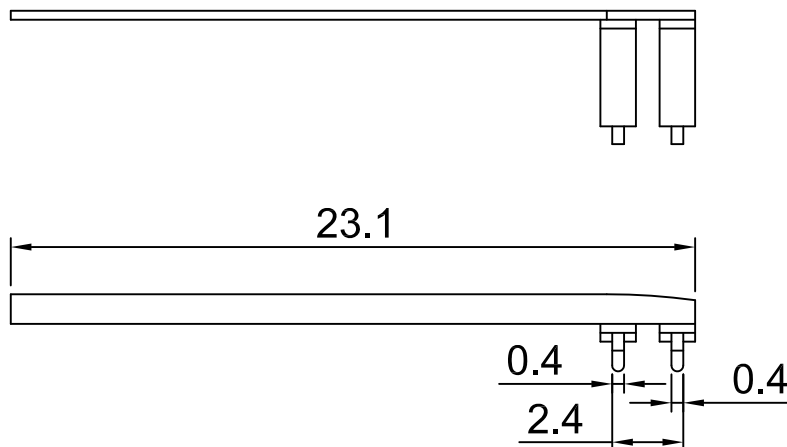
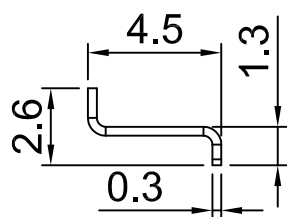
首次发行

2023-11-03

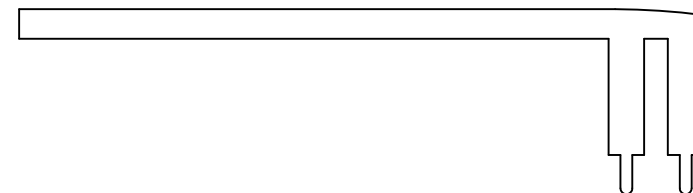
B

修改外形及线路

2023-11-09



展开形状图



備注:

- 1.材質: 洋白铜 $T=0.3\text{mm}$
- 2.顏色/表面處理: 本色
- 3.尺寸: 帶* 為重點尺寸.
- 4.公差: 未標注公差參照標準公差.



东莞市一佳电子通讯科技有限公司

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

PART NAME: BT Antenna

PART NO.: YJF01.038.020.301A

DATE: 2023-11-09

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

何大韦

周颖杰

廖光喜

UNITS: mm

SCALE: 1/1

REVISION: B

X.X ± 0.20

X.XX ± 0.15

X° $\pm 3^\circ$



天线规格

Antenna Specification

Electrical Properties

Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.5 Max
Gain	-0.1 dBi
Radiation	Omni-directional
Polarization	Linear

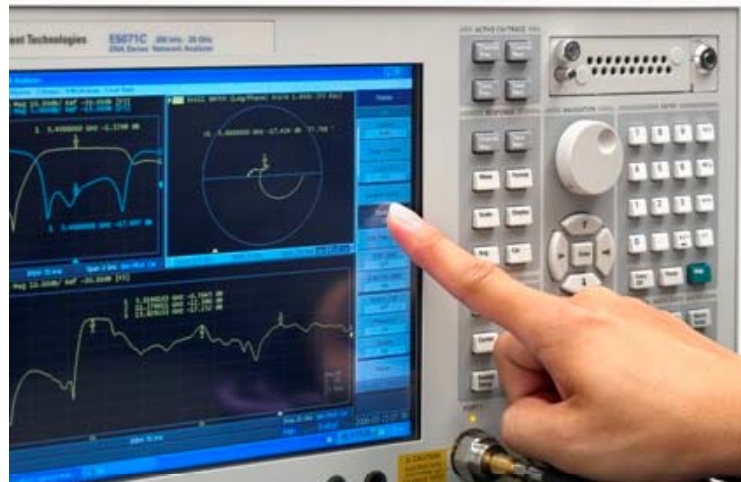
Physical Properties

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

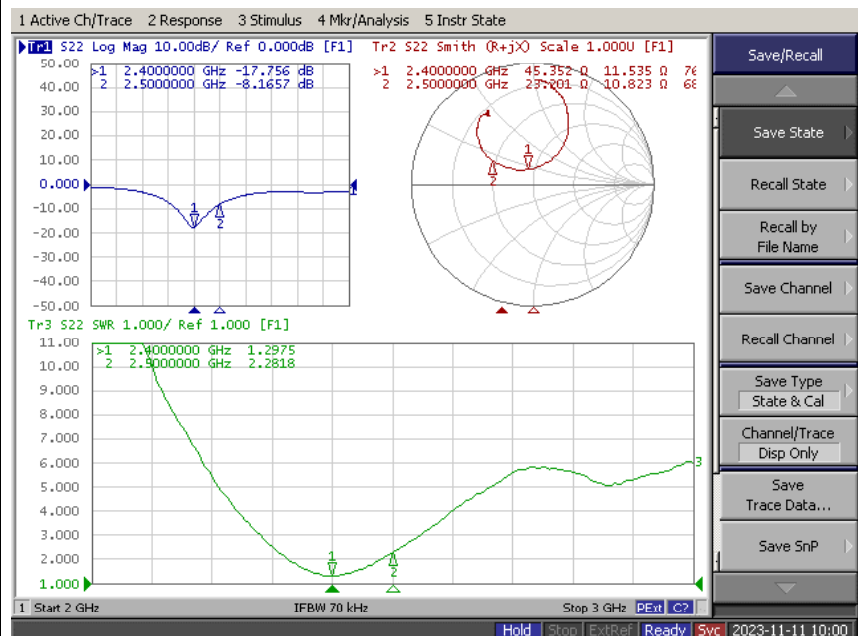


Antenna Performance Test

**Agilent
E5071B**

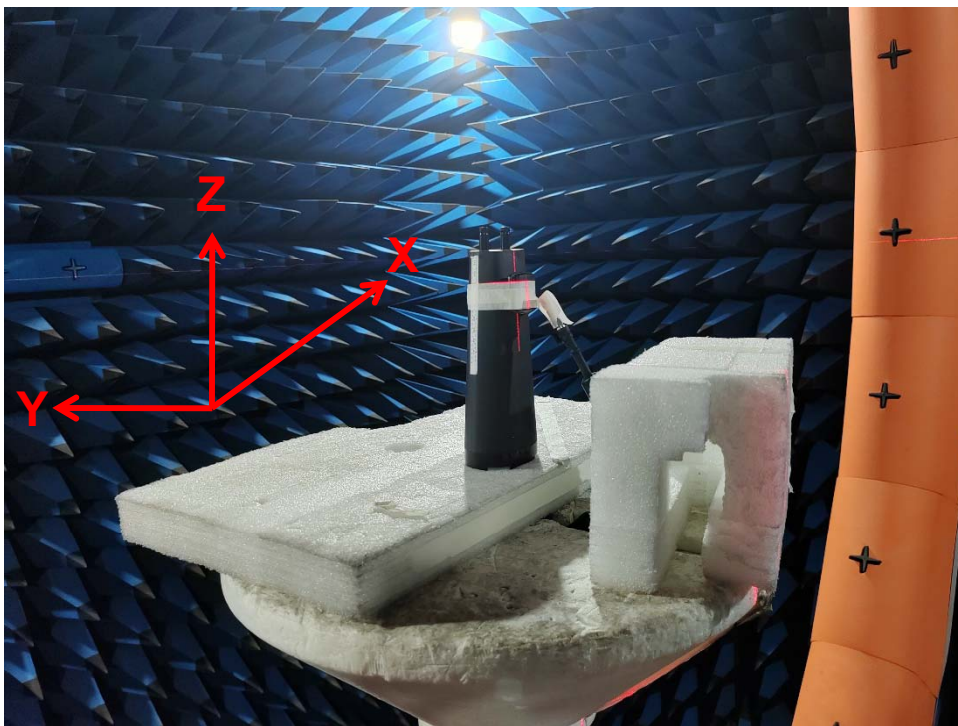
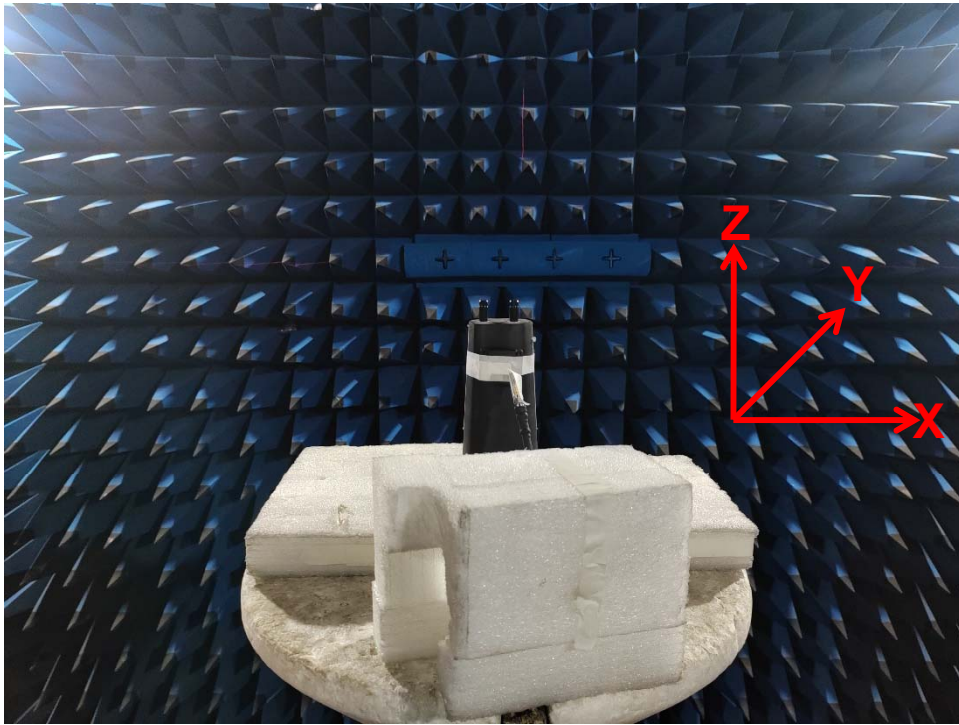


**S
Parameter
Test //
BT
Antenna**





Antenna Passive Test



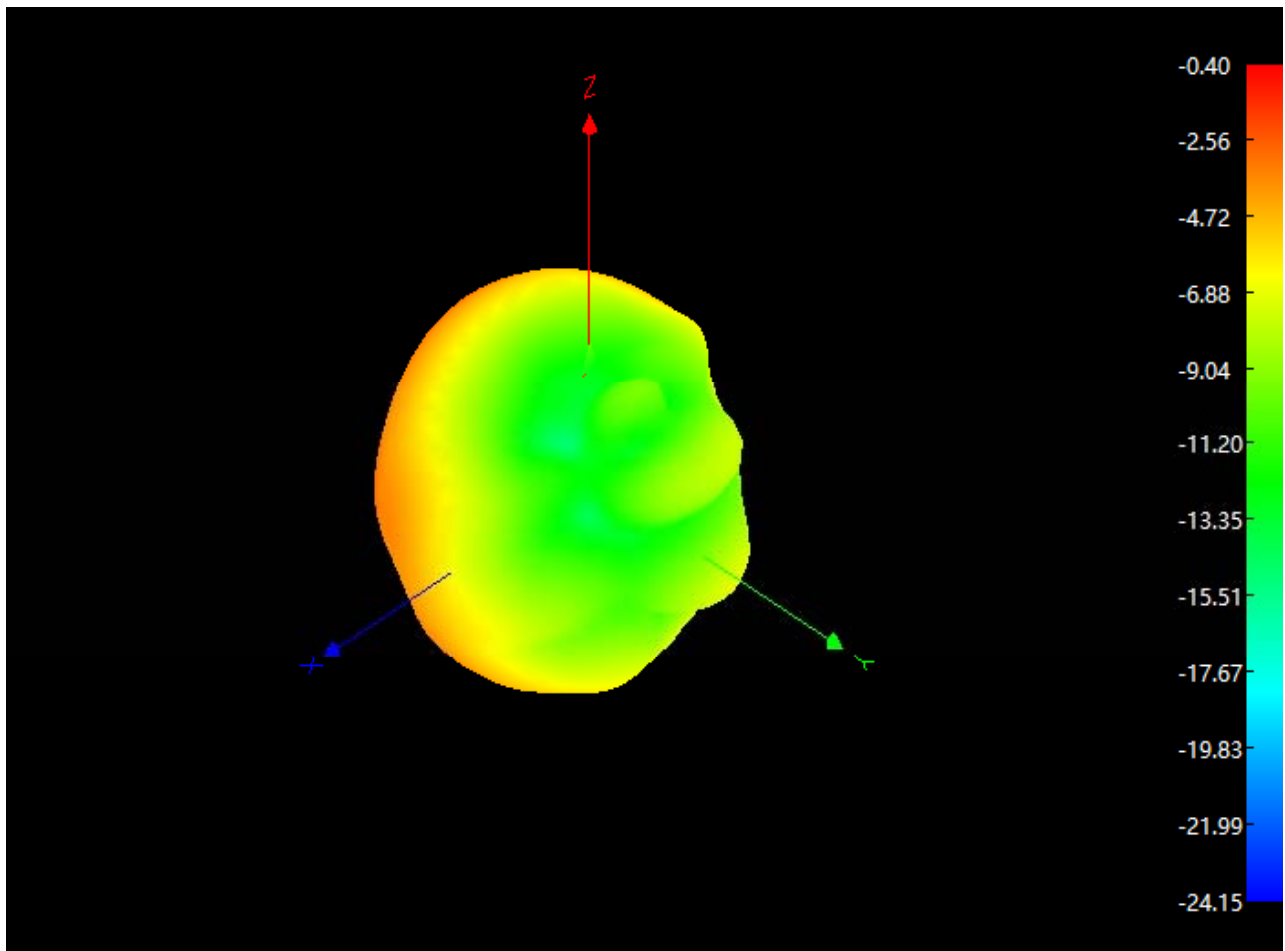


Passive Test For BT Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	21.1	-6.8	-0.7
2410	21.9	-6.6	-0.5
2420	21.7	-6.6	-0.6
2430	21.4	-6.7	-0.5
2440	21.0	-6.8	-0.6
2450	22.3	-6.5	-0.4
2460	20.8	-6.8	-0.6
2470	21.6	-6.7	-0.3
2480	20.9	-6.8	-0.3
2490	21.4	-6.7	-0.1
2500	19.4	-7.1	-0.7



Radiation Pattern For BT Antenna(2450MHz)





Device



*BT
Antenna*

