



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	2023/09/04
编号 File No	23090401
版本 Revision	1.0

客户
CUSTOMER: 铁头科技

客户料号
CUSTOMER NO: 原力N2手柄

品名
PART NAME: Antenna L=45mm MHF

供方料号
SUPPLIER NO: YJL01.050.017.301A

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)	1	6
7	方向图 (Radiation Pattern)	4	7 ~ 10
8	天线装配图 (Antenna Profile)	3	11 ~ 13

RoHS
Compatible

CUSTOMER
PART NO

REV.

DESCRIPTION

DATE

A

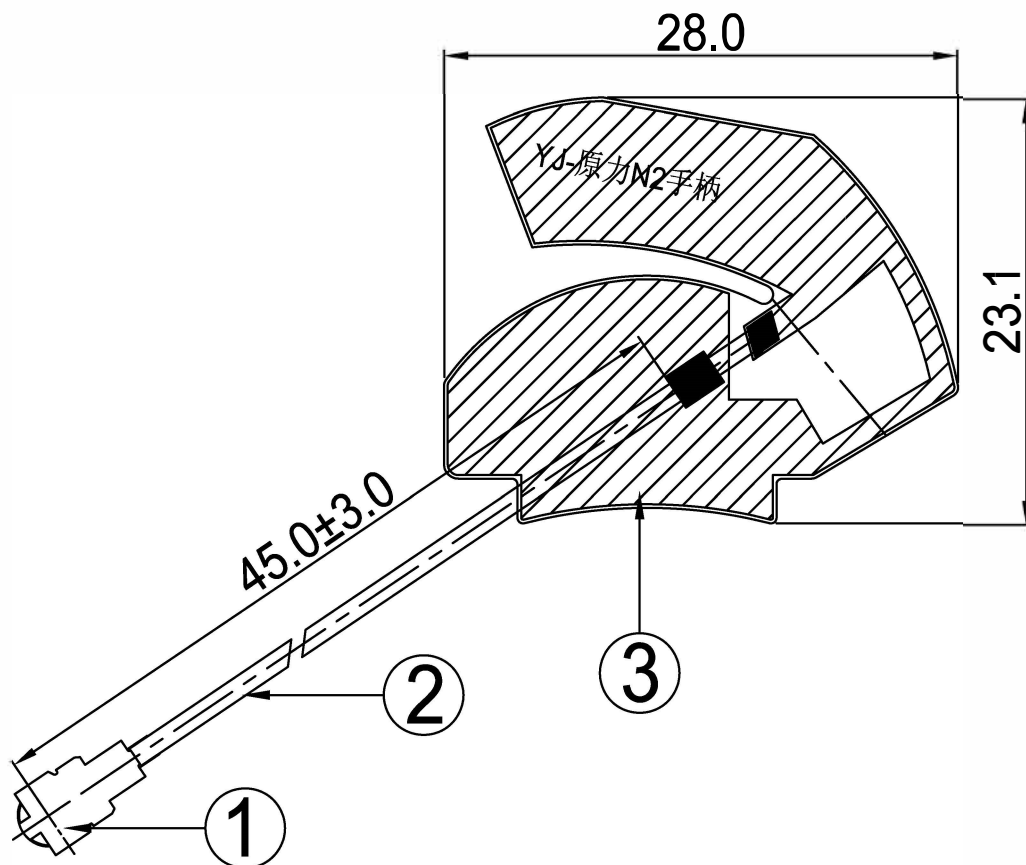
首次发行

2023-05-11

B

修改FPC

2023-07-28



3	FPC	28.0*23.1mm	FPC	FPC11XXA.P01	1
2	Coaxial Cable	O.D.0.81 Black	O.D.0.81	COA100XXA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



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: Antenna L=45mm MHF

PART NO.: YJL01.050.017.301A

DATE: 2023-07-28

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

何清军

周棋

廖光喜

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: B

X° ±3°



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	1.3 dBi
Radiation	Omni-directional
Polarization	Linear

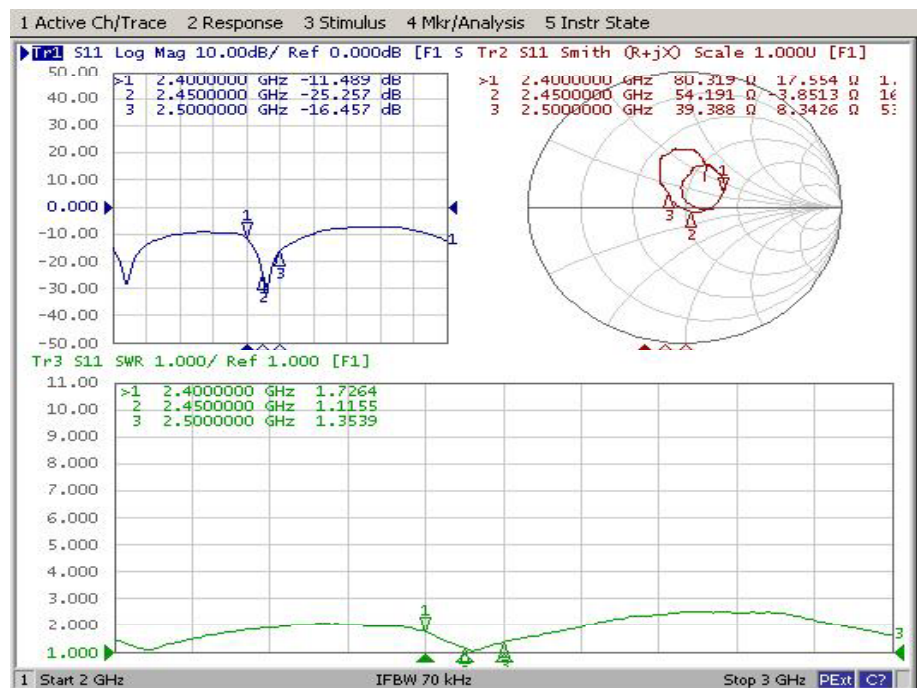
Physical Properties

Connector	1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%



Antenna Performance Test

**Agilent
E5071B
S11
Parameter
Test //
Antenna**



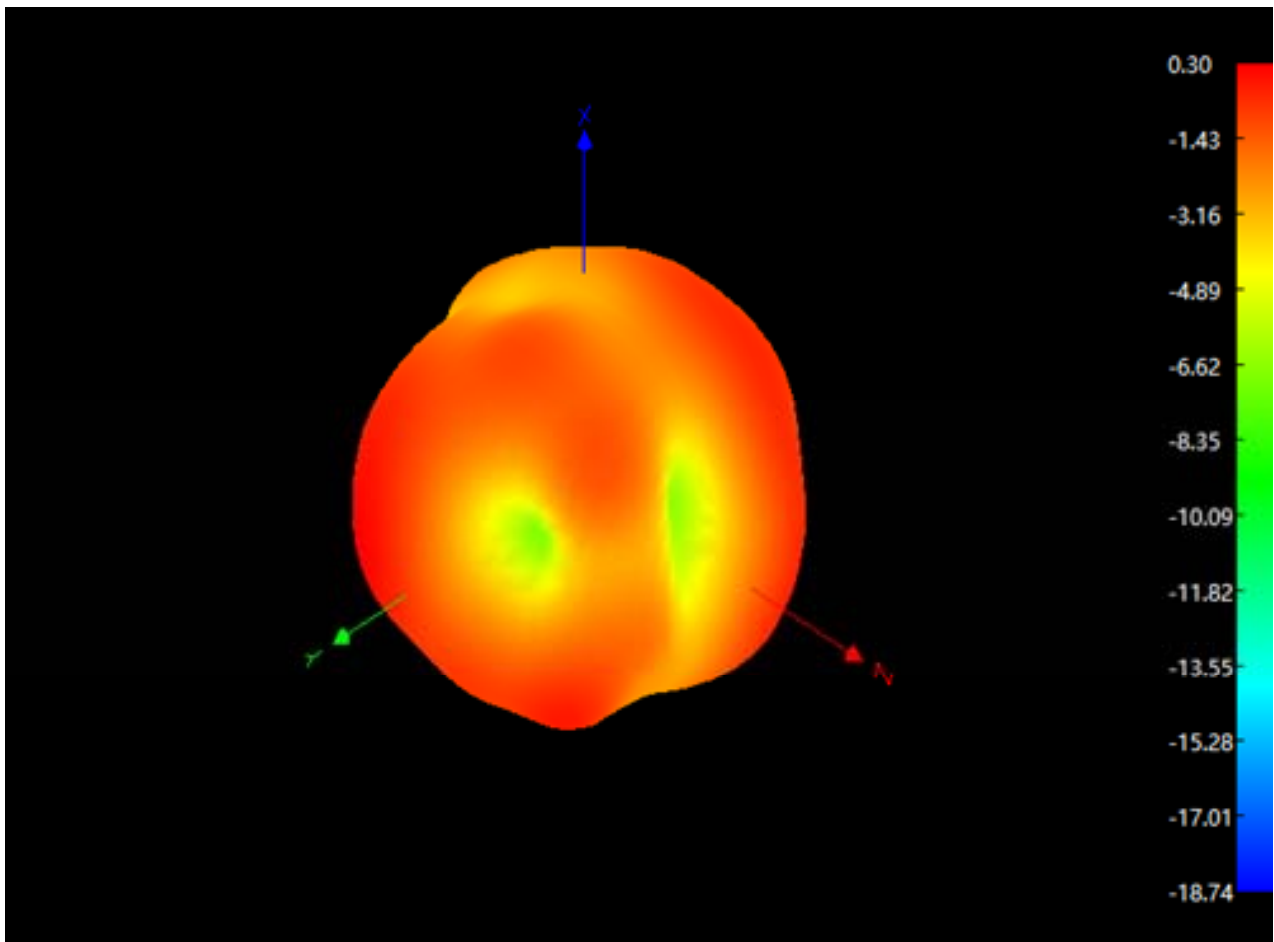


Passive Test For Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	39.1	-4.1	0.3
2410	40.2	-4.0	0.0
2420	41.4	-3.8	-0.5
2430	42.3	-3.7	-0.1
2440	44.0	-3.6	0.3
2450	45.2	-3.4	0.9
2460	44.0	-3.6	1.2
2470	47.4	-3.2	1.3
2480	47.6	-3.2	1.2
2490	49.0	-3.1	1.3
2500	47.3	-3.3	1.3

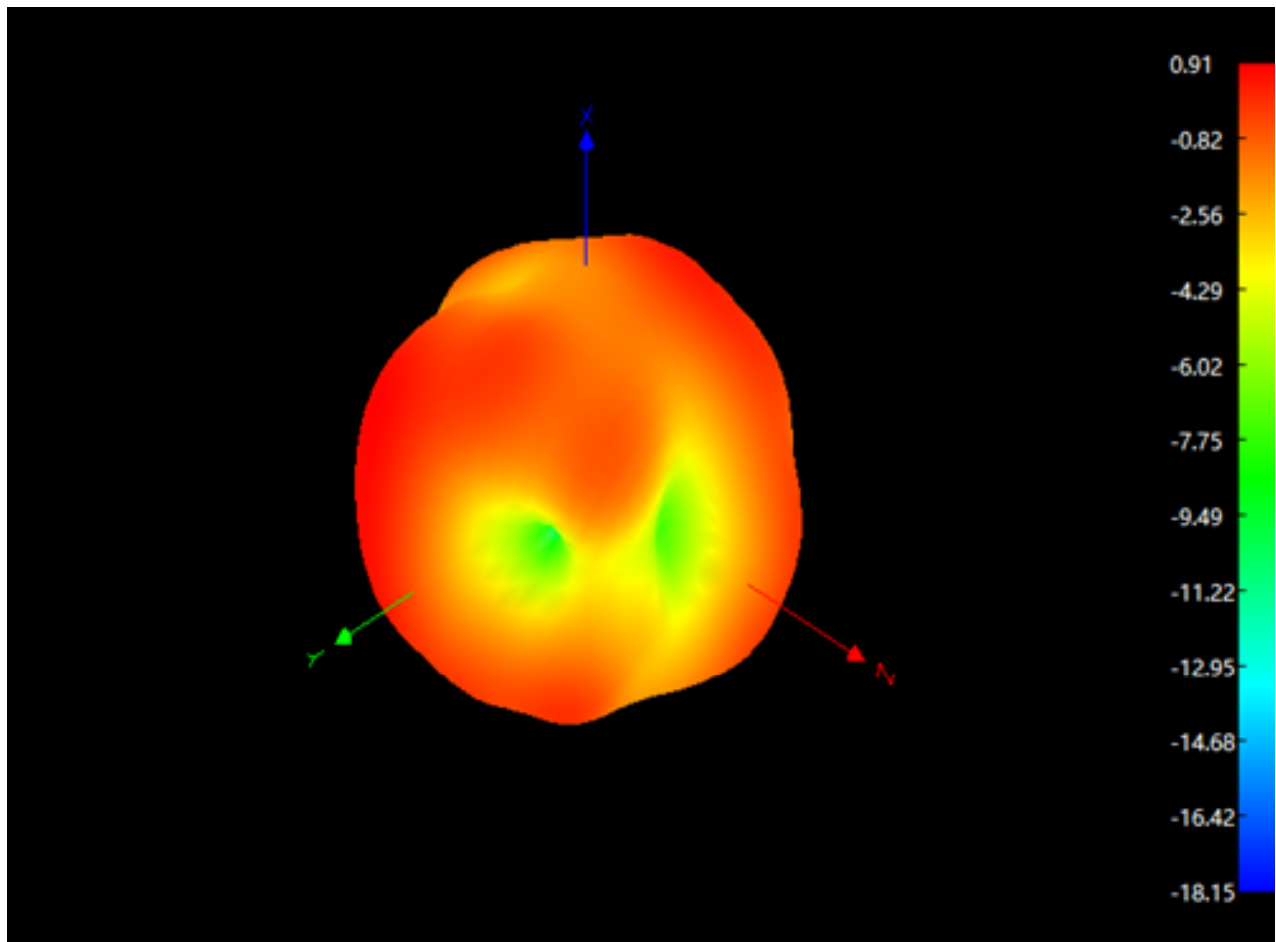


Radiation Pattern For Antenna (2400MHz)



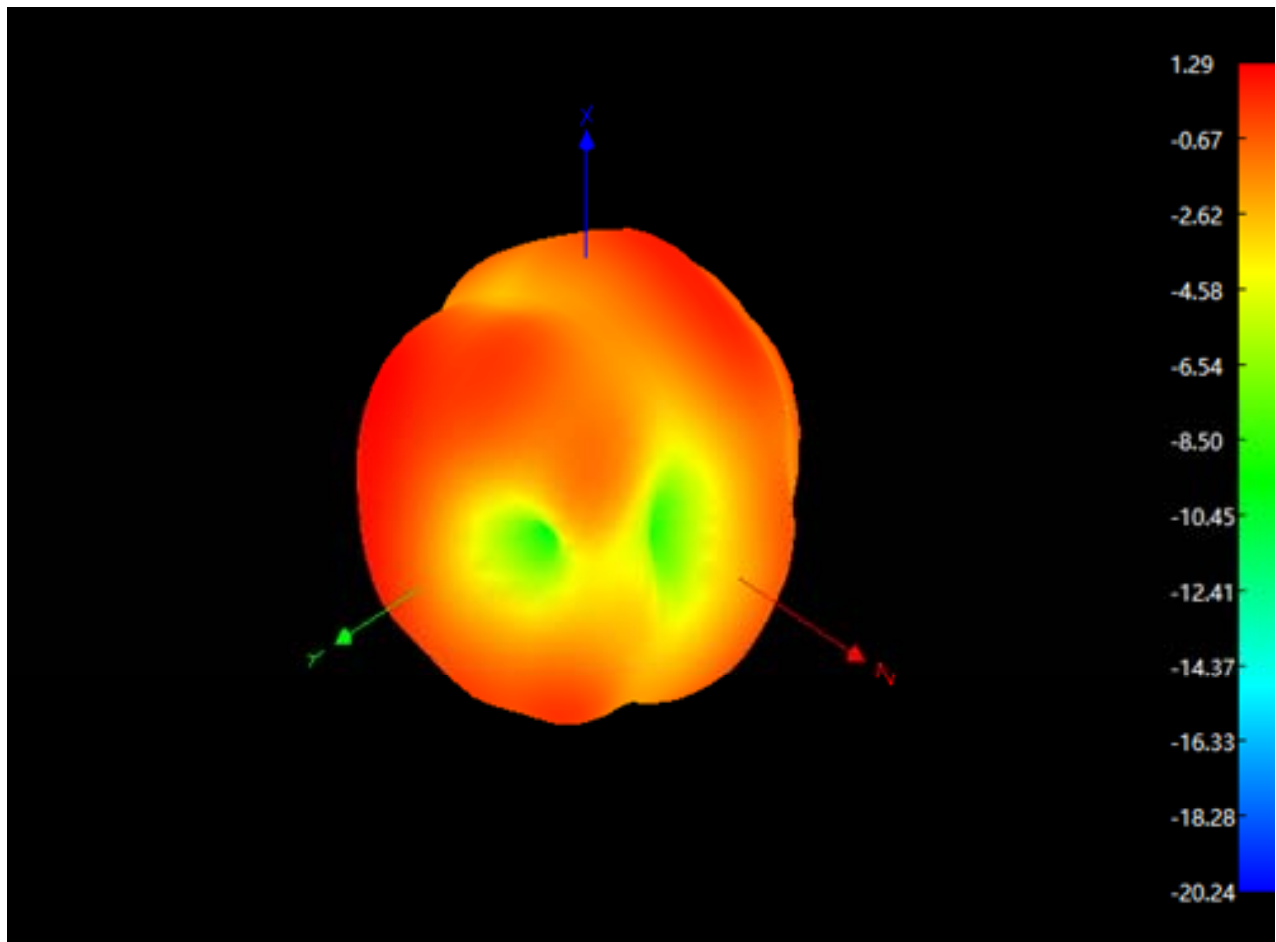


Radiation Pattern For Antenna (2450MHz)





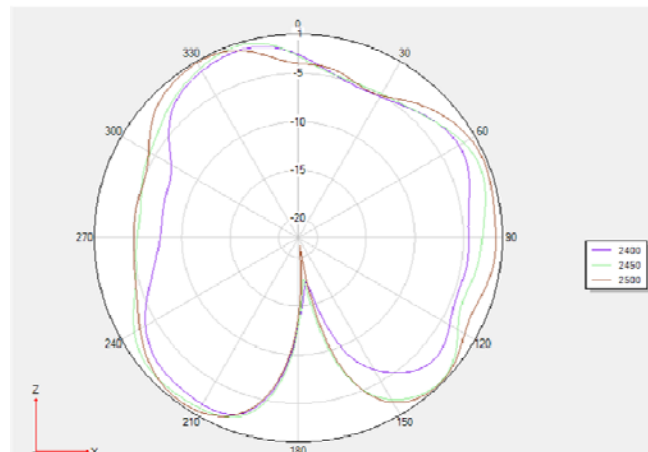
Radiation Pattern For Antenna (2500MHz)



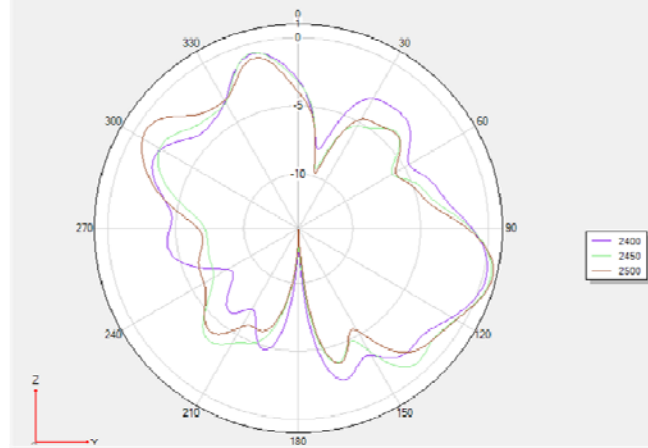


Radiation Pattern For Antenna

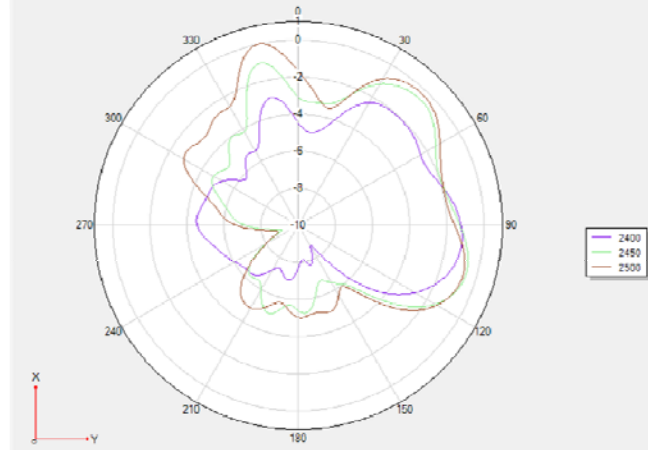
Phi 0°



Phi 90°



Theta 90°





Device





Antenna



