



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:

31112.00021.00.00

品 名
PART NAME:

Antenna L=55mm MHF

供方料号
SUPPLIER NO:

YJL01.050.015.301A

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

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13	-	-	-

RoHS

Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE



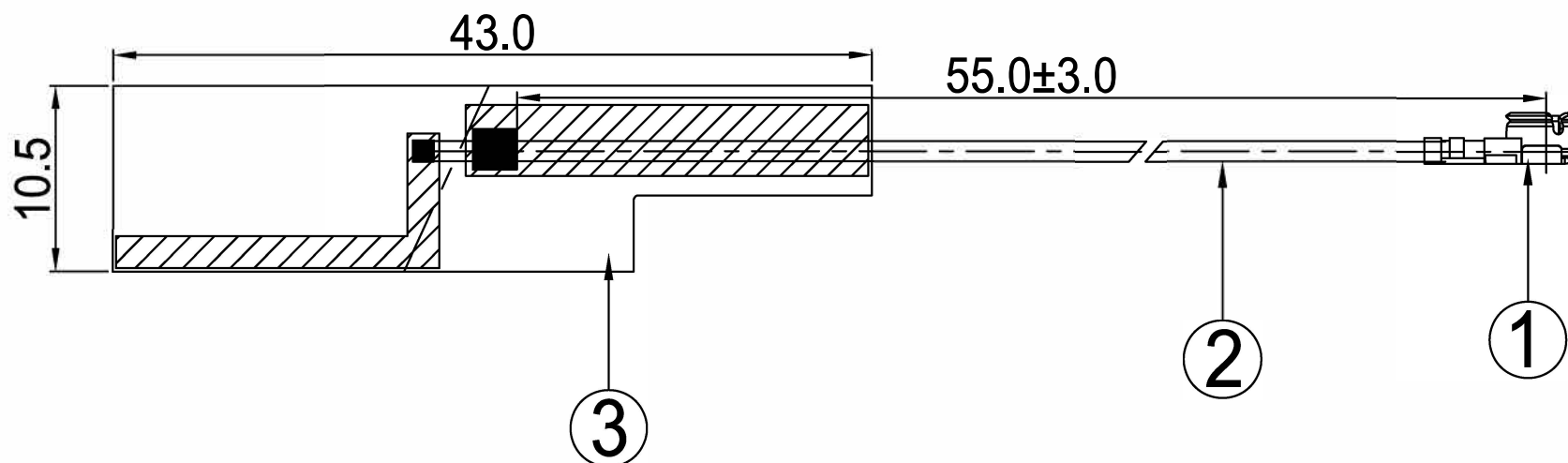
首次发行

2023-05-15



修改FPC

2023-05-17



3	FPC	43.0*10.5mm	FPC	FPC11XXA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA100XXA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



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

PART NAME: Antenna L=55mm MHF

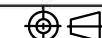
PART NO.: YJL01.050.015.301A

DATE: 2023-05-17

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

何清军

周棋

廖光喜

UNITS: mm

SCALE: 1/1

REVISION: B

X.X ±0.50

X.XX±0.15

X° ±3°



天线规格

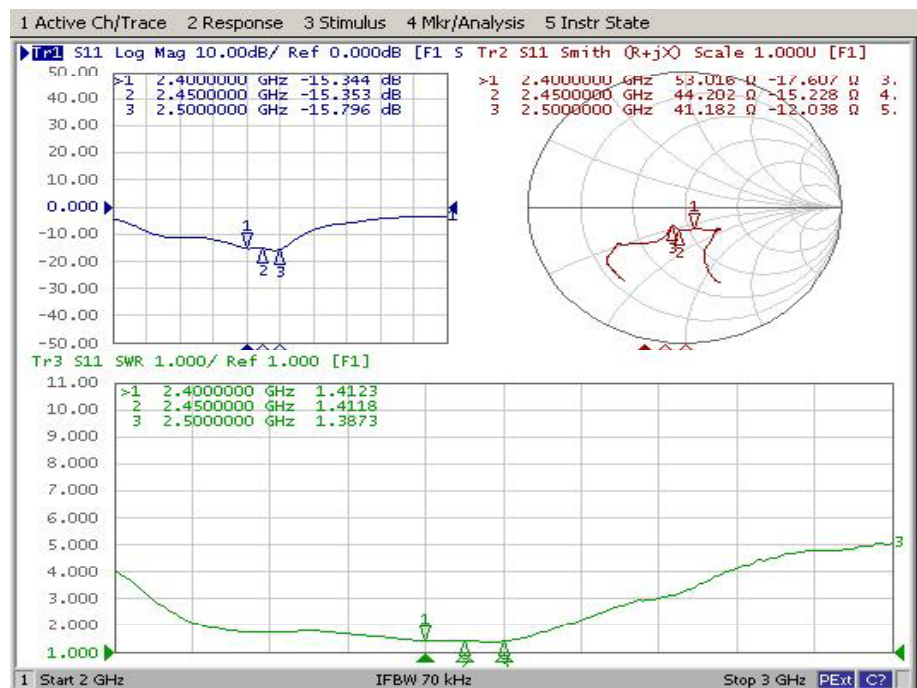
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	3.4 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	55mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Antenna Performance Test

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



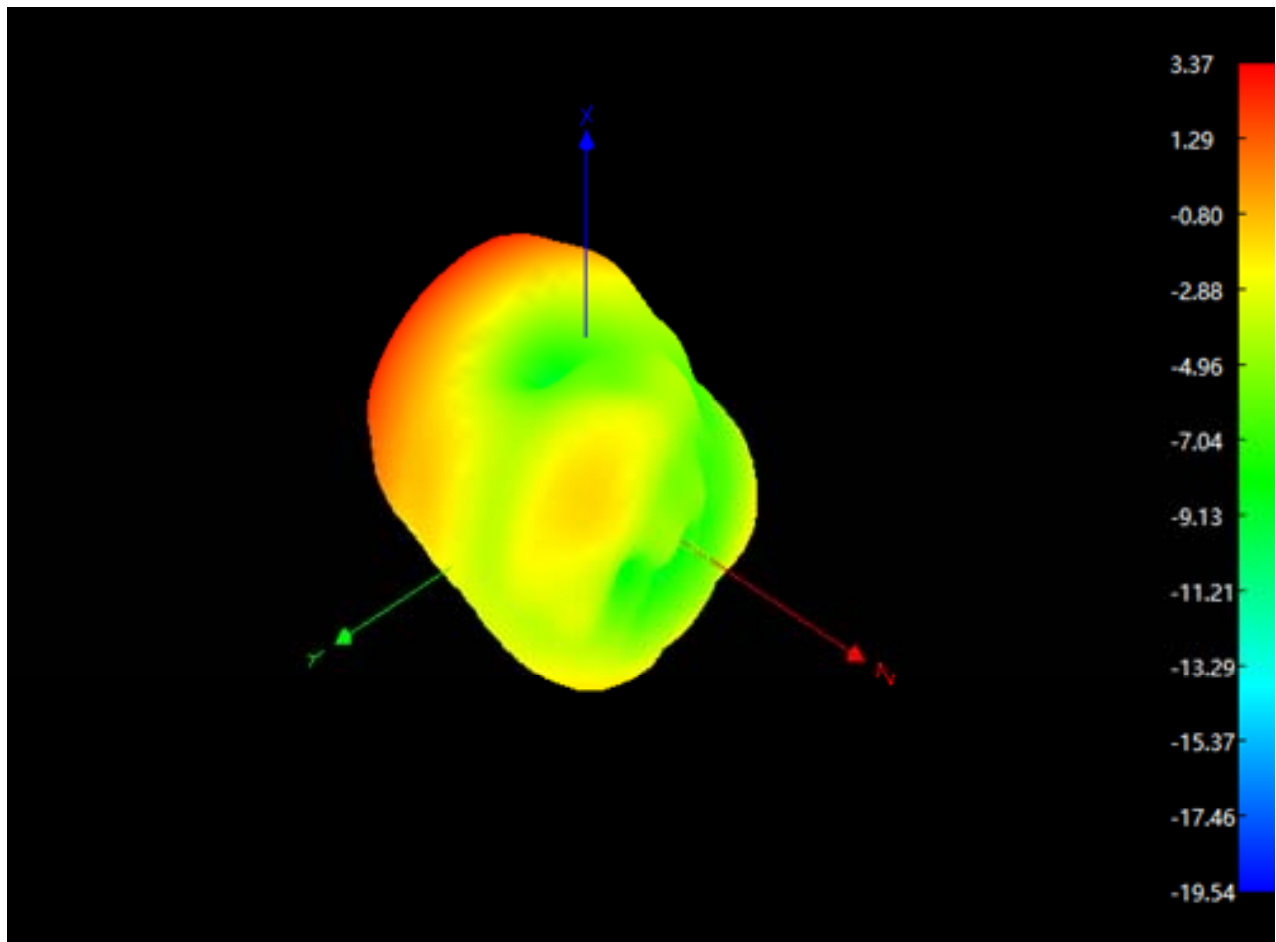


Passive Test For Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	38.9	-4.1	3.4
2410	39.5	-4.0	3.4
2420	39.7	-4.0	3.3
2430	39.9	-4.0	3.3
2440	40.3	-3.9	3.1
2450	40.6	-3.9	3.3
2460	39.9	-4.0	2.7
2470	39.7	-4.0	3.1
2480	39.0	-4.1	2.6
2490	38.8	-4.1	2.6
2500	38.5	-4.1	2.1

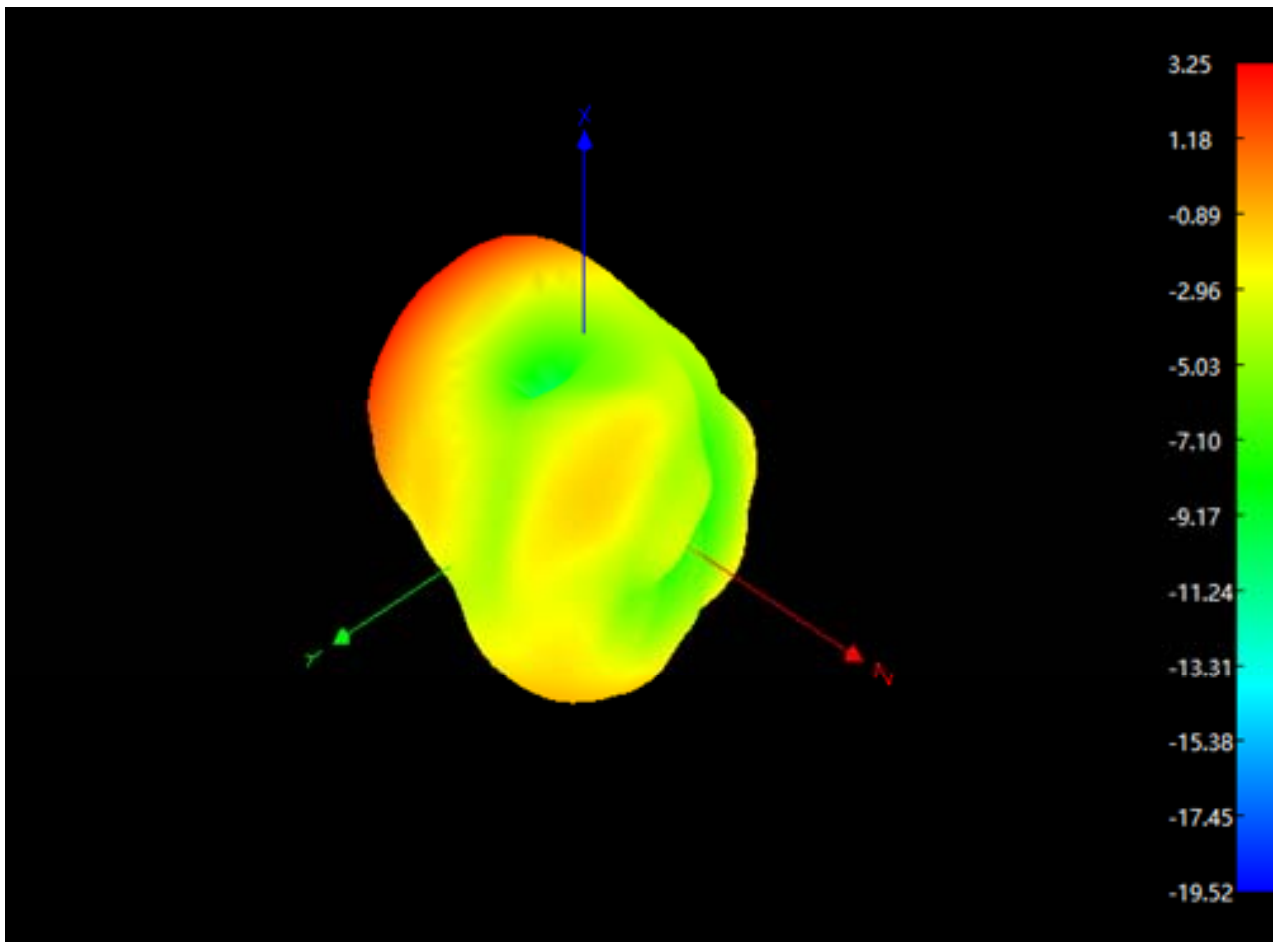


Radiation Pattern For Antenna (2400MHz)



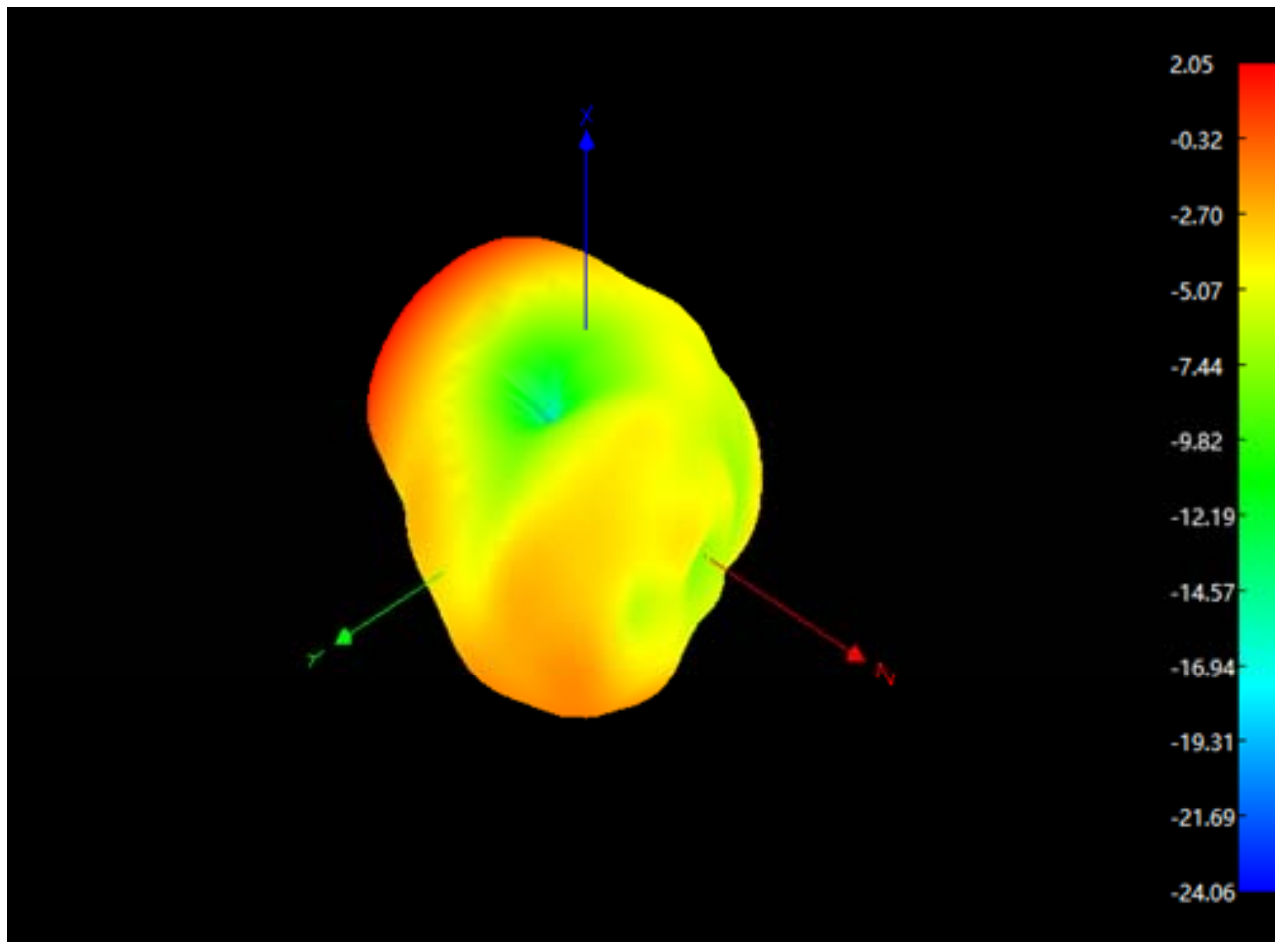


Radiation Pattern For Antenna (2450MHz)





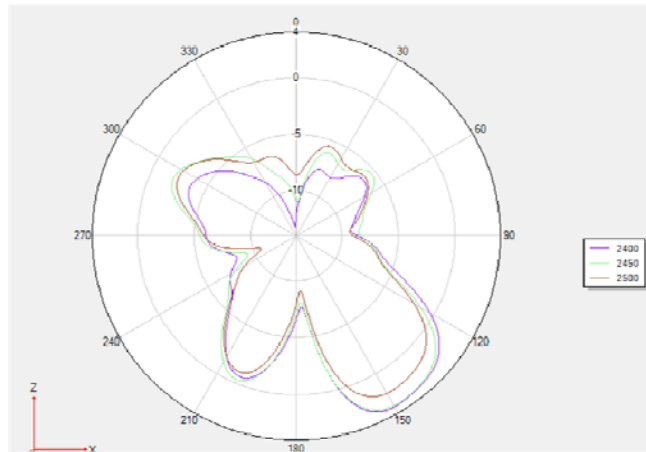
Radiation Pattern For Antenna (2500MHz)



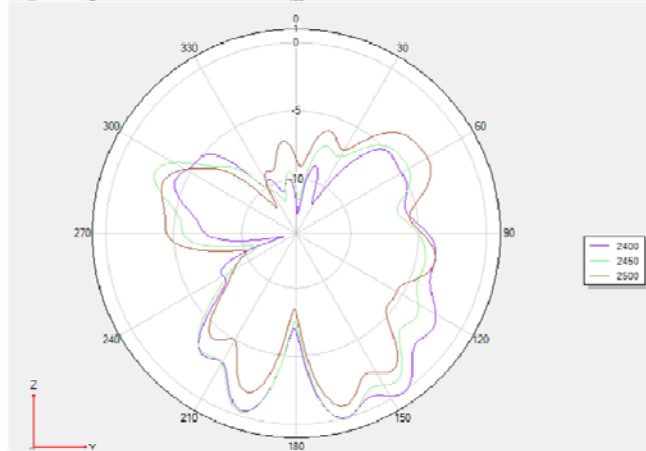


Radiation Pattern For Antenna

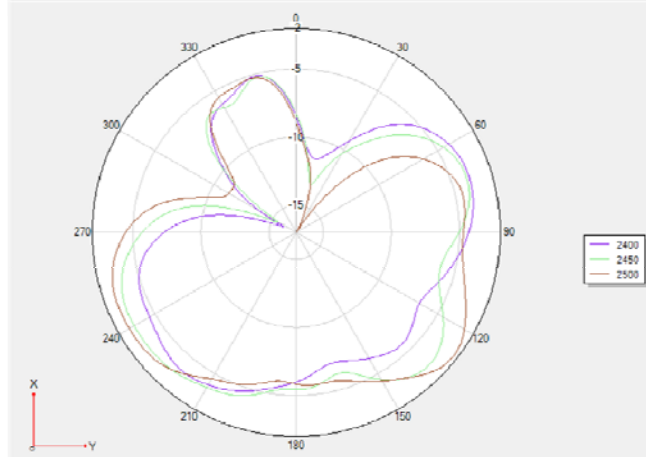
Phi 0°



Phi 90°



Theta 90°



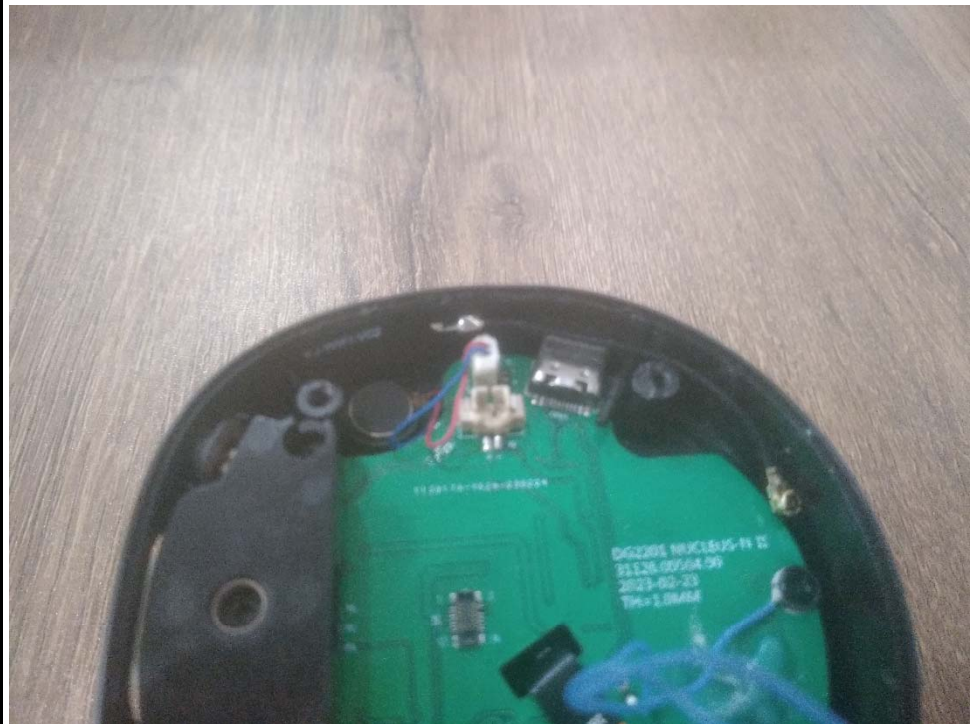


Device





Antenna





Antenna

