



嗨兴科技样品承认书

供应商名称：东莞市一佳电子通讯科技有限公司

产品名称：WIFI Antenna L=245mm MHF

物料料号：YJL01.207.001.301A

物料描述：WiFi天线，1代IPEX，0.D.1.13线材，材质PCB

承认书版次：A0版

图纸版本号（无图纸时无需填写）：_V01

供应商承认栏

（此处需盖章，每份承认书需盖骑缝章）

研发/工程	品质	批准
郑浩楠	杨智	陈国强

深圳市嗨兴科技 承认栏

研发部	产品	品质

供应商地址：东莞市长安镇沙头社区木鱼路59号元富工业区

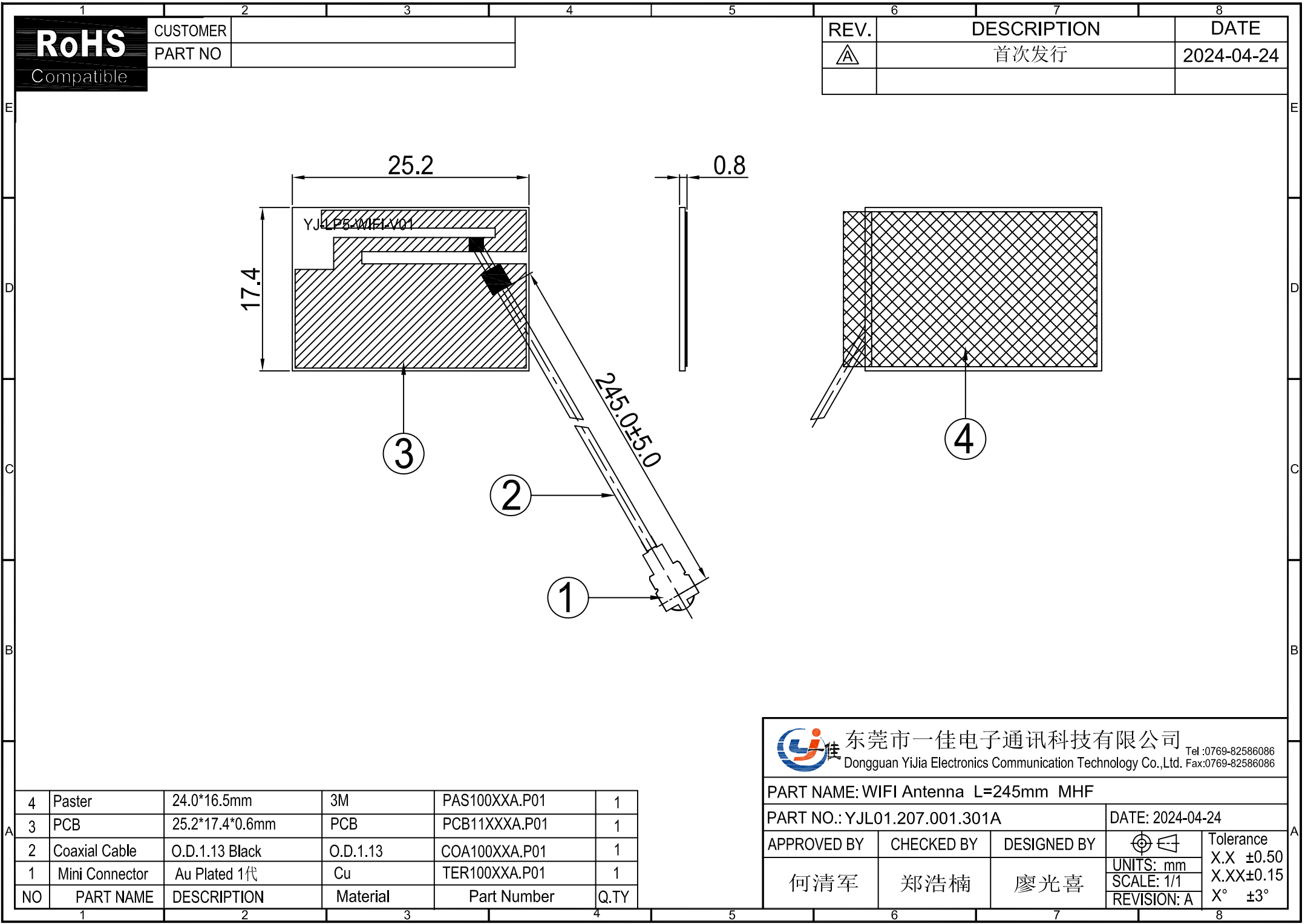
电话：0769-82586086

传真：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	1	1
2	承认书项目表	1	2
3	工程成品图	1	3
4	包装图	1	4
5	产品规格书	9	5 ~ 13
6	工艺流程图	9	14 ~ 22
7	可靠性测试报告	2	23 ~ 24
8	样品检测报告	1	25
9	全尺寸测量报告	1	26
10	环保申明	1	27
11	RoHS报告	137	28 ~ 164
12	N/A	N/A	N/A
13	-	-	-



RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-04-24

4	Paster	24.0*16.5mm	3M	PAS100XXA.P01	1
3	PCB	25.2*17.4*0.6mm	PCB	PCB11XXA.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



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: WIFI Antenna L=245mm MHF

PART NO.: YJL01.207.001.301A

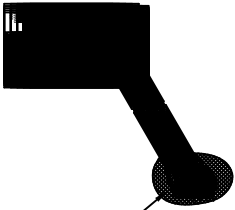
DATE: 2024-04-24

APPROVED BY	CHECKED BY	DESIGNED BY	 UNITS: mm SCALE: 1/1 REVISION: A	Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
何清军	郑浩楠	廖光喜		

RoHS
Compatible

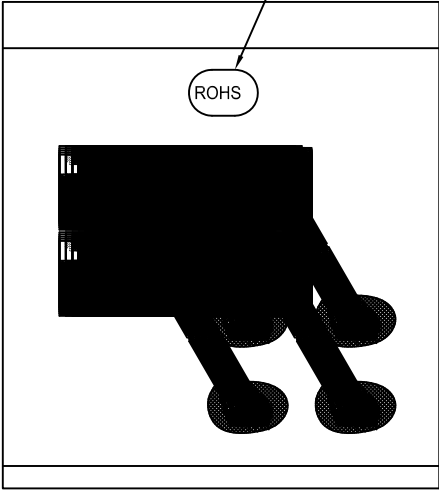
包装说明

REV.	DESCRIPTION	DATE
△	首次发行	2024-06-24



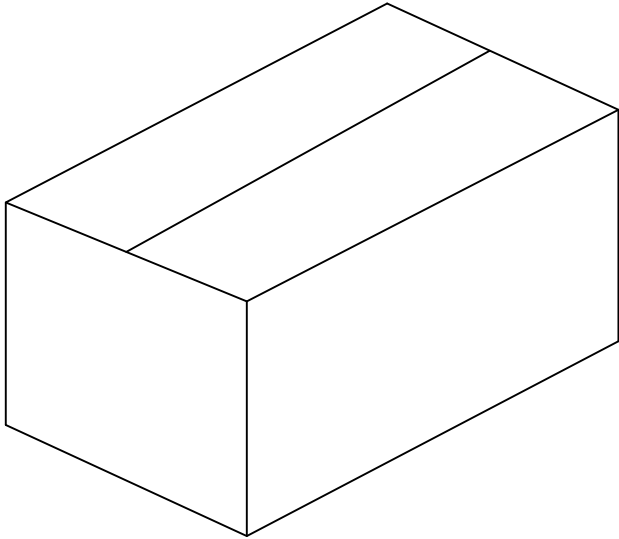
珍珠泡棉

1. 25PCS/扎



ROHS标签

2. 100PCS/袋



3. 5000PCS/箱



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: WIFI Antenna L=245mm MHF

PART NO.: YJL01.207.001.301A

DATE: 2024-06-24

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

何清军

郑浩楠

廖光喜

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: A

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	4.6 dBi
Radiation	Omni-directional
Polarization	Linear

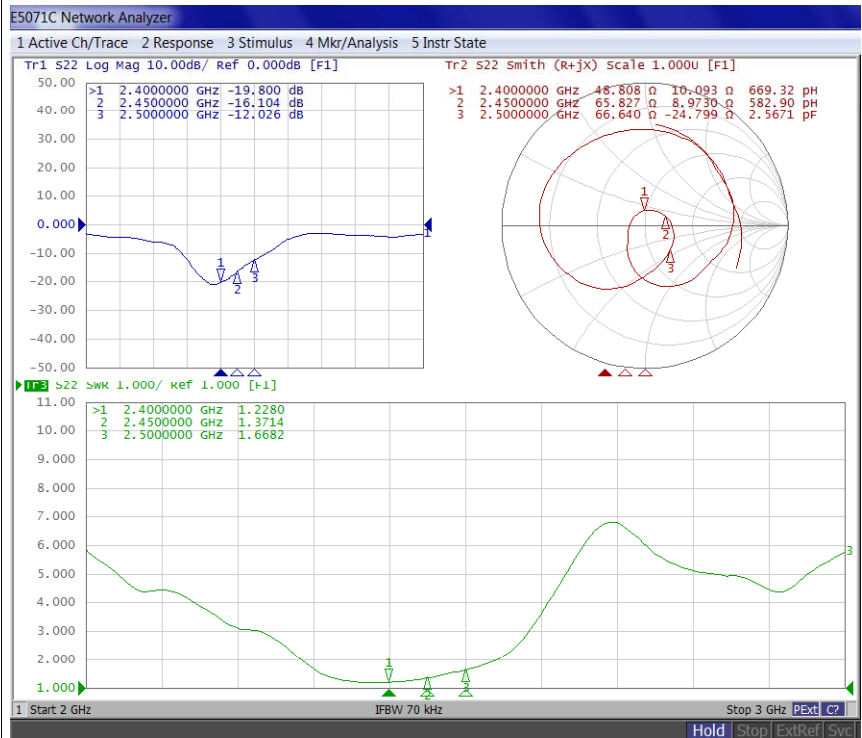
Physical Properties

Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	245mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



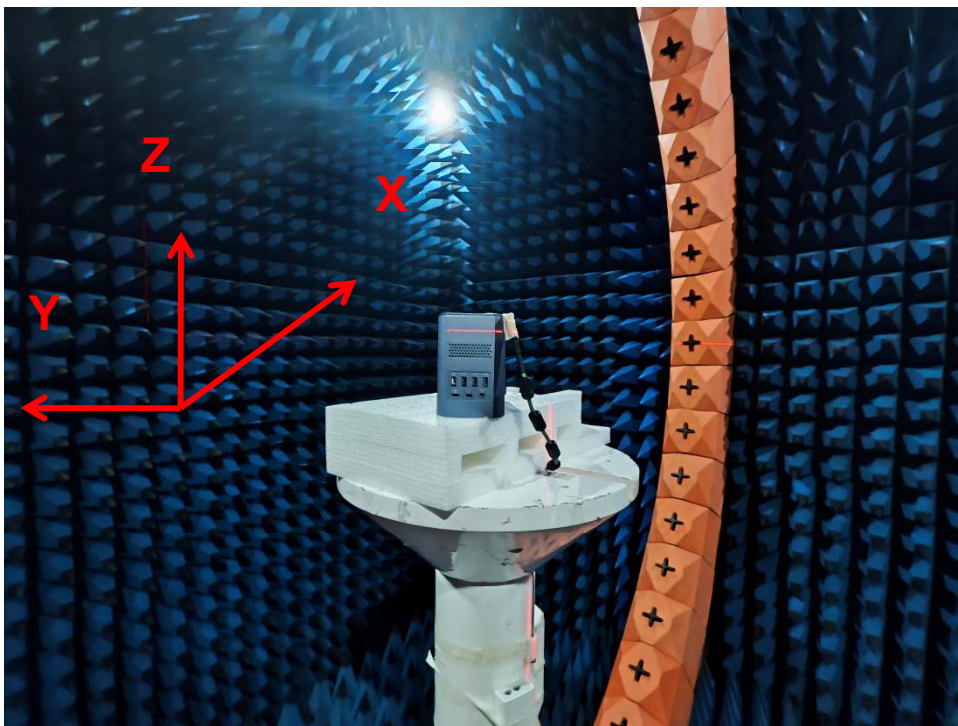
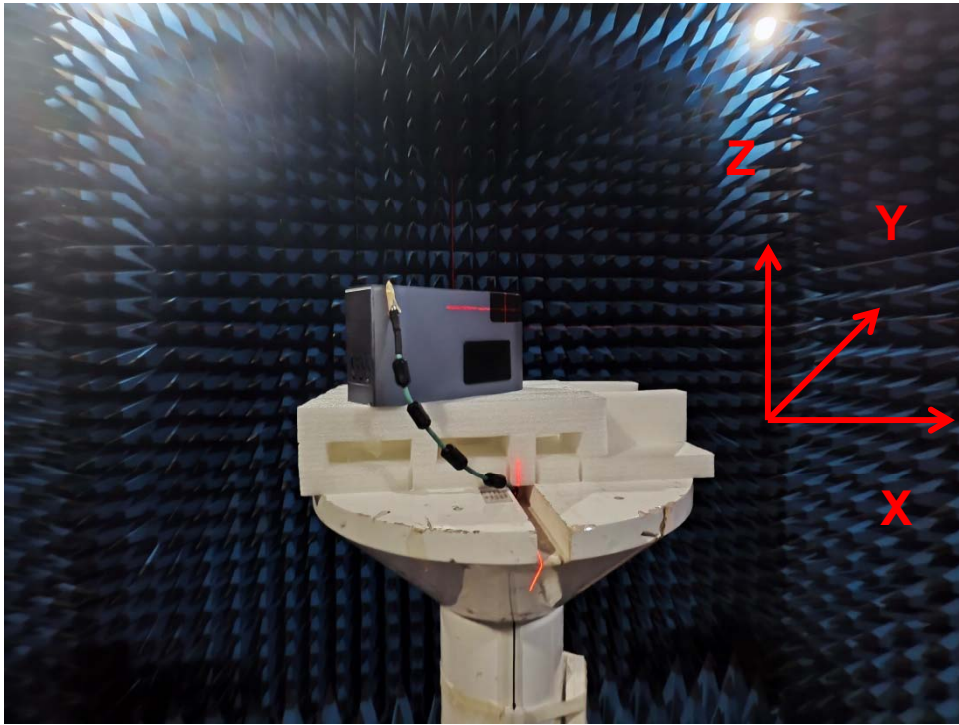
Antenna Performance Test

**Agilent
E5071C
S
Parameter
Test //
2.4G
Antenna**





Antenna Passive Test

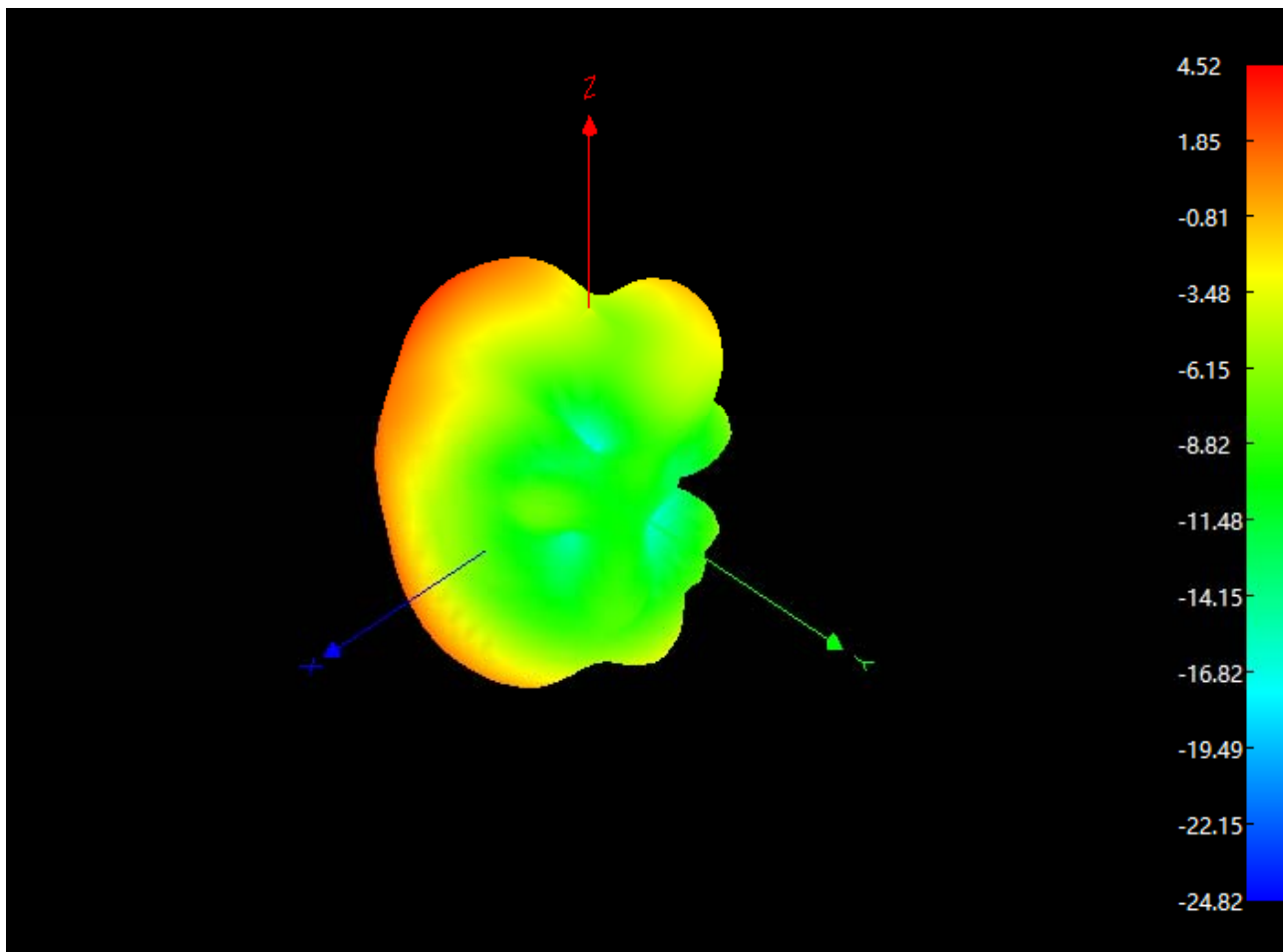




Passive Test For 2.4G Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	53.2	-2.7	4.3
2410	53.1	-2.8	4.5
2420	51.1	-2.9	4.3
2430	50.0	-3.0	4.5
2440	49.1	-3.1	4.3
2450	50.0	-3.0	4.5
2460	47.2	-3.3	4.2
2470	47.0	-3.3	4.6
2480	43.6	-3.6	4.1
2490	43.6	-3.6	4.2
2500	40.4	-3.9	3.4



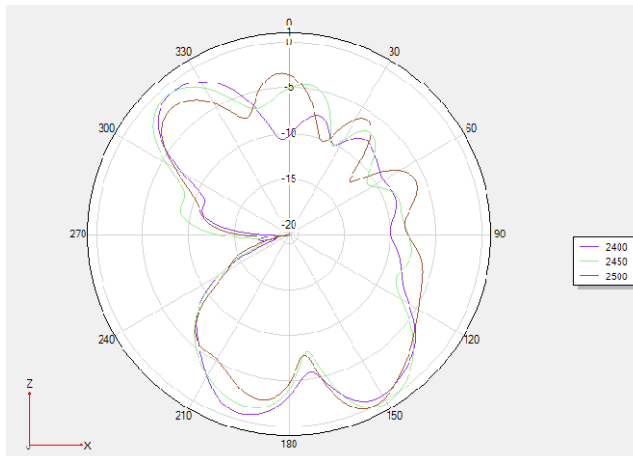
Radiation Pattern For 2.4G Antenna (2450MHz)



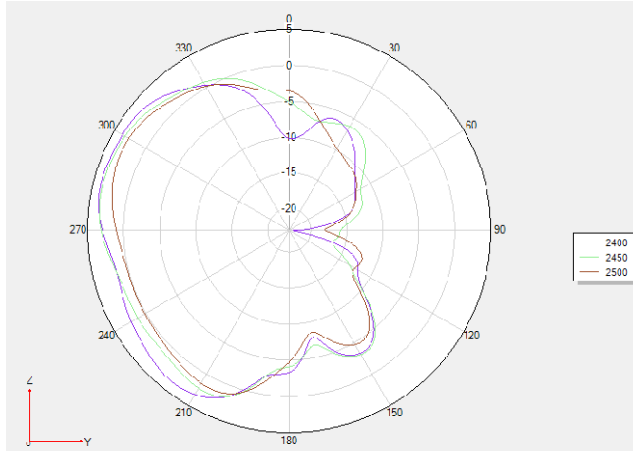


Radiation Pattern For 2.4G Antenna

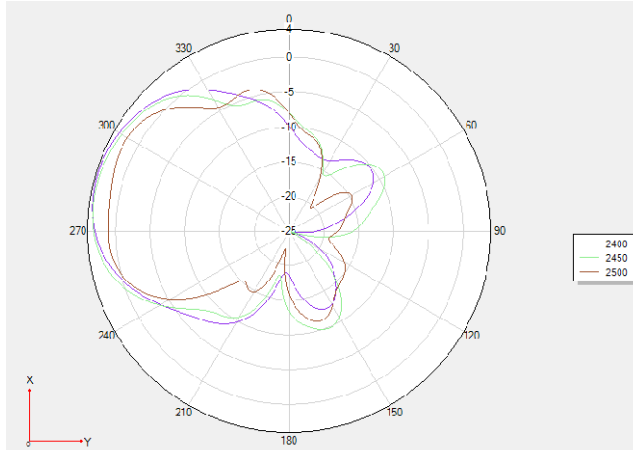
Phi 0°



Phi 90°



Theta 90°





Active Test For WIFI Antenna					
Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	1	11Mbps	16.0	11Mbps	-83.5
	7		16.0		-83.0
	13		15.8		-84.0
WIFI 2.4G 802.11g	1	54Mbps	16.8	54Mbps	-70.2
	7		16.6		-70.5
	13		16.3		-71.0
WIFI 2.4G 802.11n	1	65Mbps	13.5	65Mbps	-67.6
	7		13.5		-67.1
	13		13.5		-66.5

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



Device



*2.4G
Antenna*

