



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	2023/09/13
编号 File No	23091301
版本 Revision	1.0

客 户
CUSTOMER: 道通

客户料号
CUSTOMER NO: 501006528

品 名
PART NAME: 2.4/5.8G Antenna

供方料号
SUPPLIER NO: YJI01.005.067.301A

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)	3	6 ~ 8
7	方向图 (Radiation Pattern)	6	9 ~ 14
8	天线装配图 (Antenna Profile)	3	15 ~ 17
9	材质证明 (Material Certificate)	39	18 ~ 56
10	RoHS报告 (RoHS Test Report)	**	**
11	-	-	-
12	-	-	-
13	-	-	-

RoHS
Compatible

CUSTOMER
PART NO

REV.

DESCRIPTION

DATE

△

首次发行

2022-11-08

△

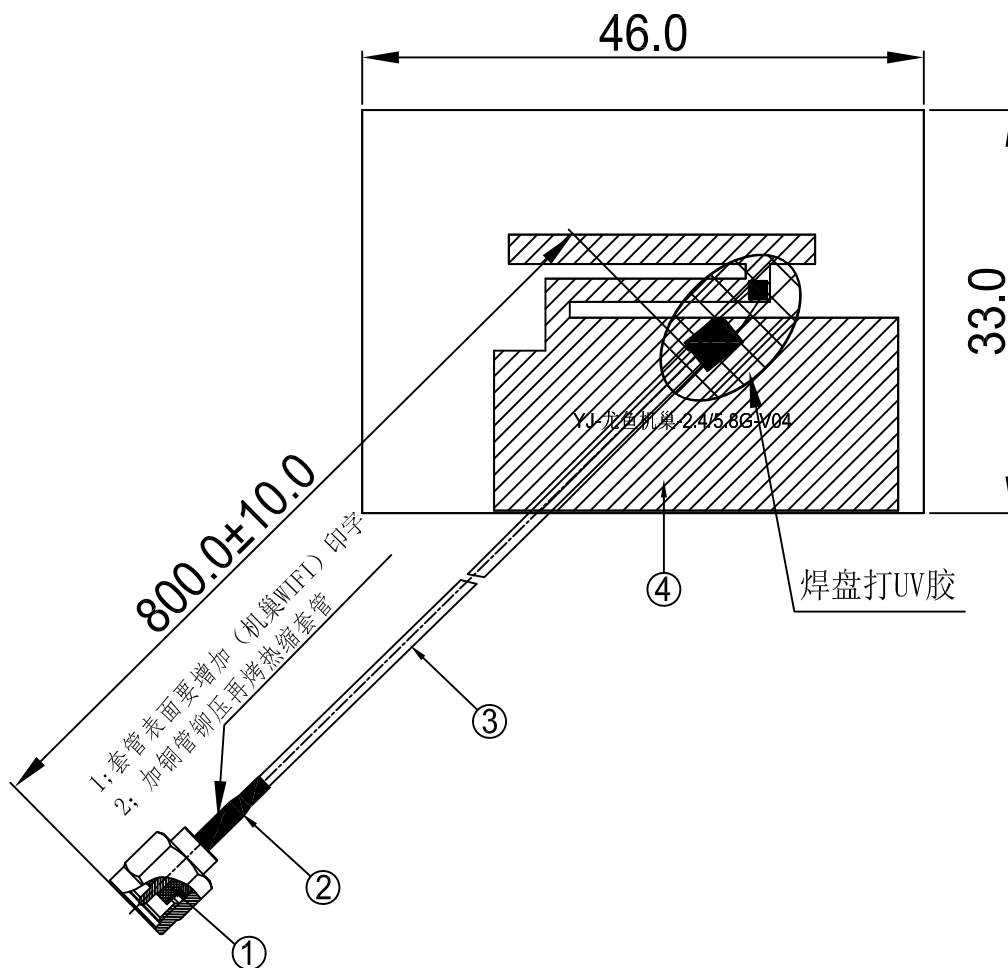
套管表面增加WIFI丝印

2022-11-15

△

修改焊盘尺寸

2022-11-16



4	FPCB	46.0*33.0MM	FPCB	FPC1000XA.P01	1
3	Coaxial Cable	O.D.1.8 Black Low loss 神宇	O.D.1.8	COA1000XA.P01	1
2	Hot Shrink Tube	L20.0mm/Ø3.0mm	EVA	TUB1000XA.P01	1
1	SMA Male	Cu Au Plated	Cu	CON10046A.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



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PART NAME: 2.4/5.8G Antenna

PART NO.: YJI01.005.067.301A

DATE: 2022-11-16

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

殷涛

唐国浩

吕森桦

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: A

X° ±3°



天线规格

Antenna Specification

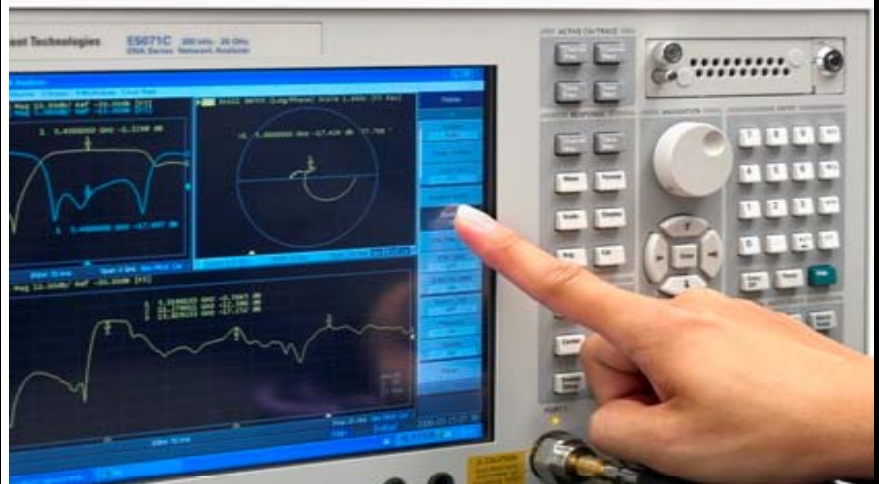
Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	6.7 dBi@2.4-2.5GHz 4.0 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	SMA Male
Cable Type	O.D.1.8mm 低损耗神宇
Cable Length	800mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

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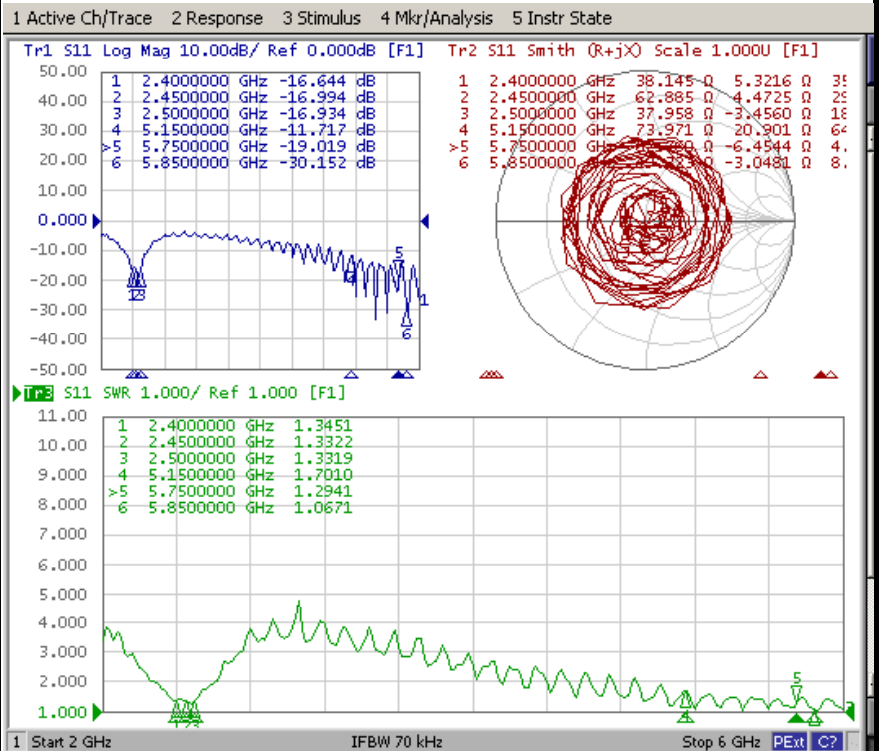


Antenna Performance Test

**Agilent
E5071B**

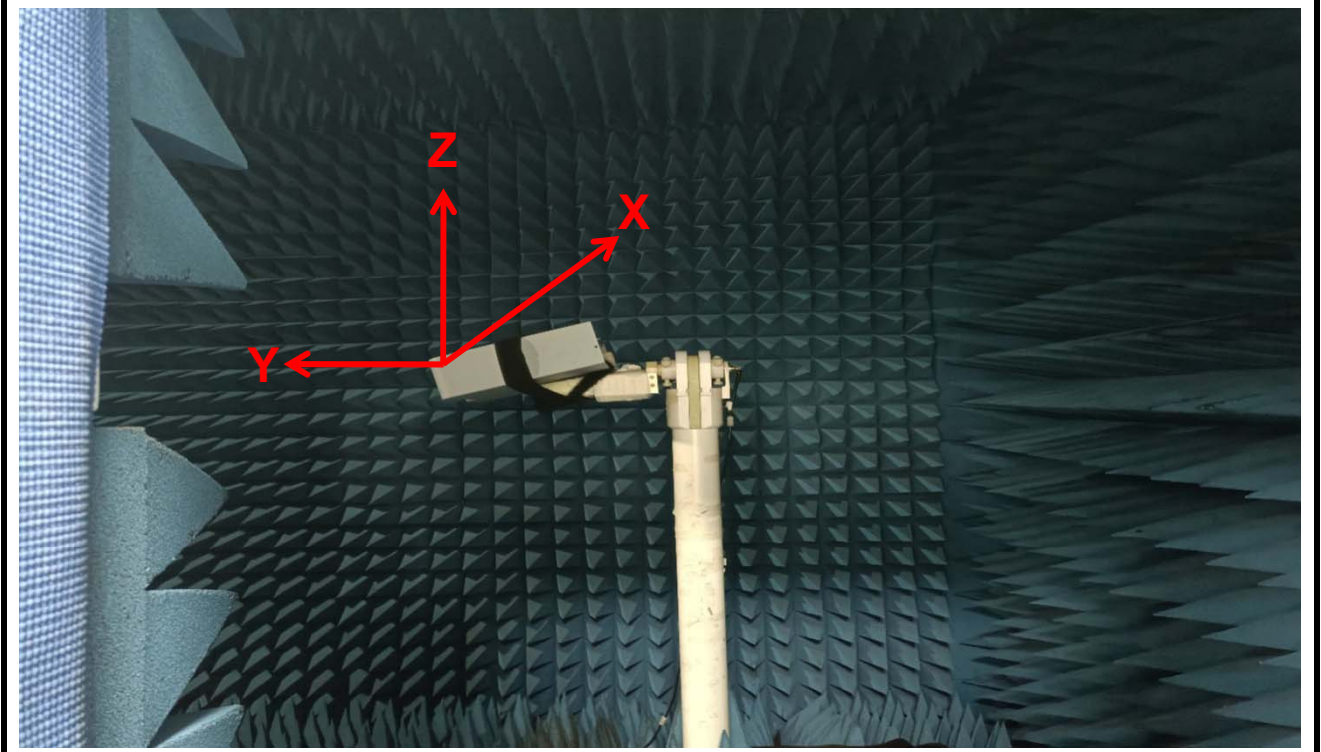
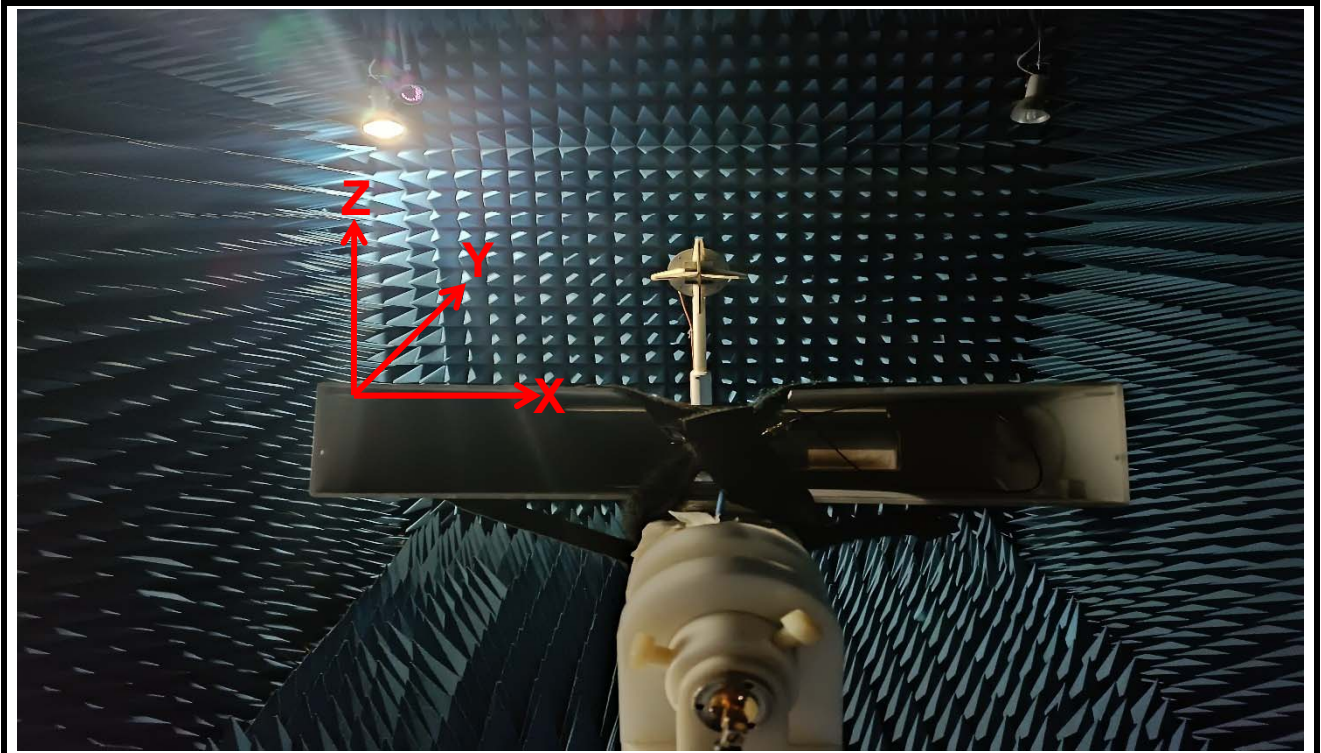


**S
Parameter
Test //
WiFi
Antenna**





Antenna Passive Test



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Passive Test For WiFi2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	67.0	-1.7	6.7
2410	65.2	-1.9	6.5
2420	62.5	-2.0	6.1
2430	61.8	-2.1	6.1
2440	59.2	-2.3	5.8
2450	58.8	-2.3	5.9
2460	57.7	-2.4	5.7
2470	62.8	-2.0	6.4
2480	62.8	-2.0	6.2
2490	67.0	-1.7	6.7
2500	65.2	-1.9	6.5

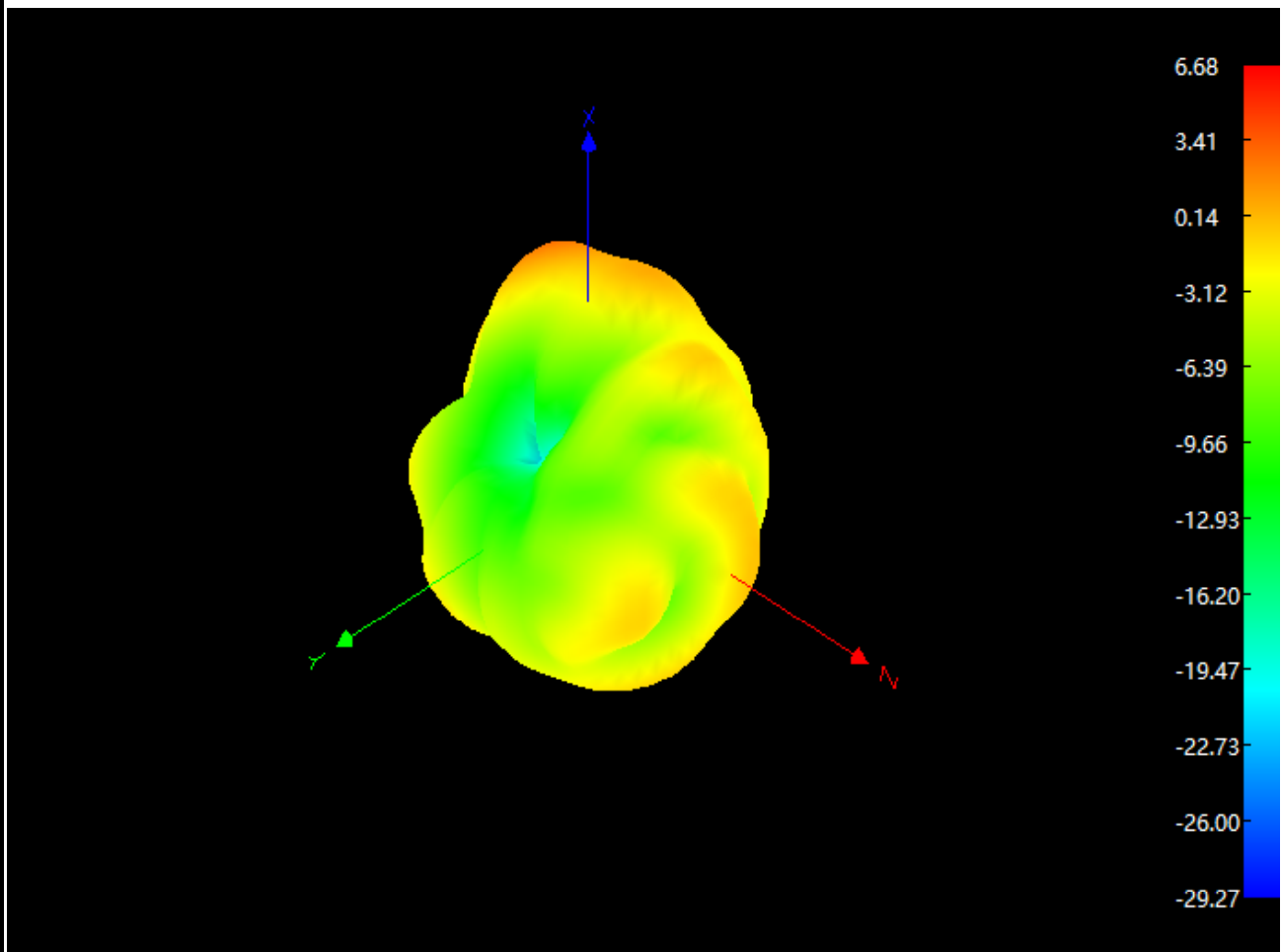


Passive Test For WiFi5.8G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	62.8	-2.0	2.6
5200	61.5	-2.1	2.6
5250	59.8	-2.2	2.8
5300	58.2	-2.4	2.6
5350	57.2	-2.4	2.5
5400	60.3	-2.2	3.0
5450	58.8	-2.3	2.8
5500	52.7	-2.8	2.6
5550	59.3	-2.3	3.3
5600	57.8	-2.4	3.1
5650	50.8	-2.9	2.6
5700	51.5	-2.9	2.9
5750	57.3	-2.4	3.4
5800	58.6	-2.3	4.0
5850	50.0	-3.0	3.4

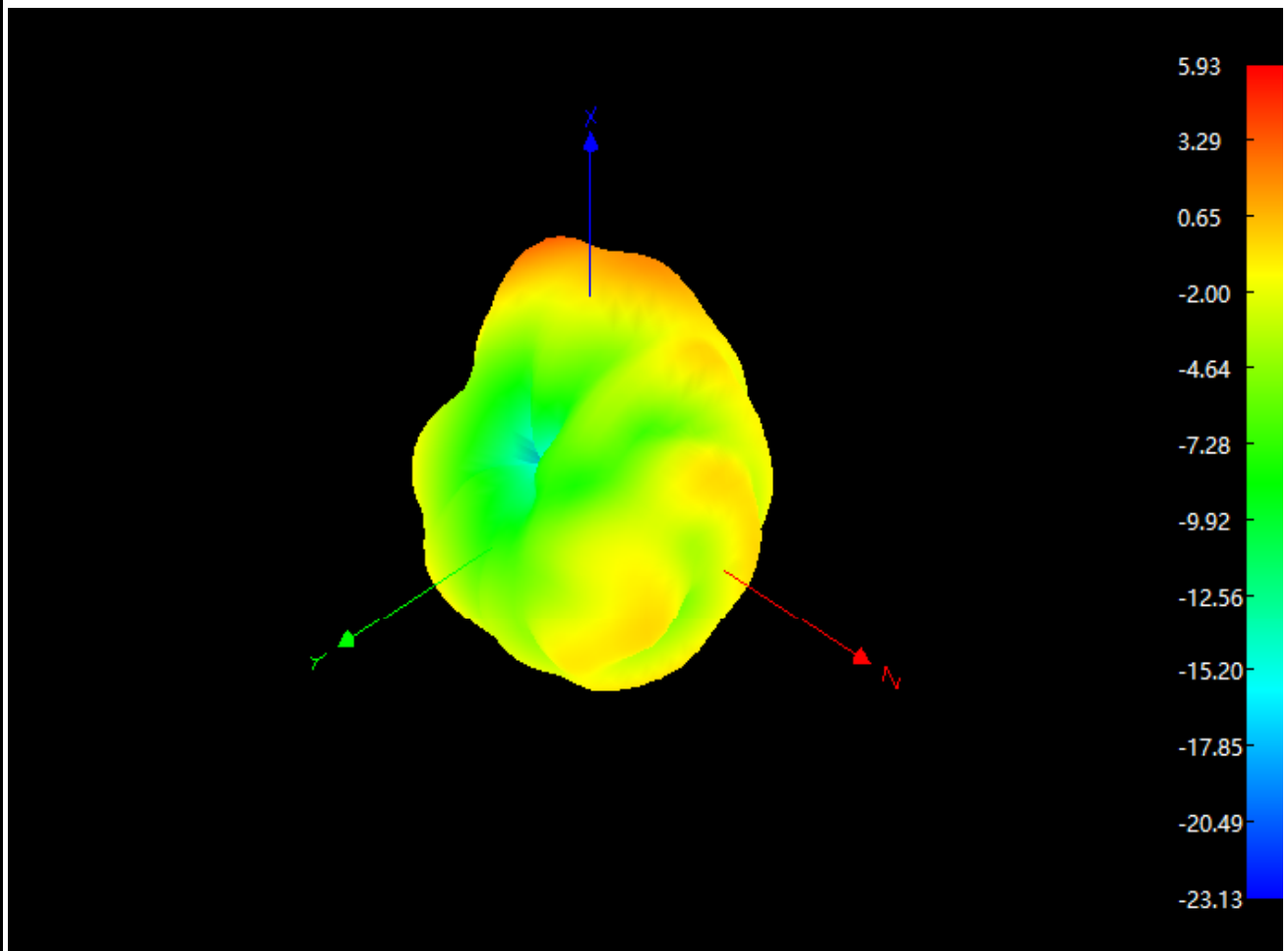


Radiation Pattern For WiFi Antenna(2.4G)



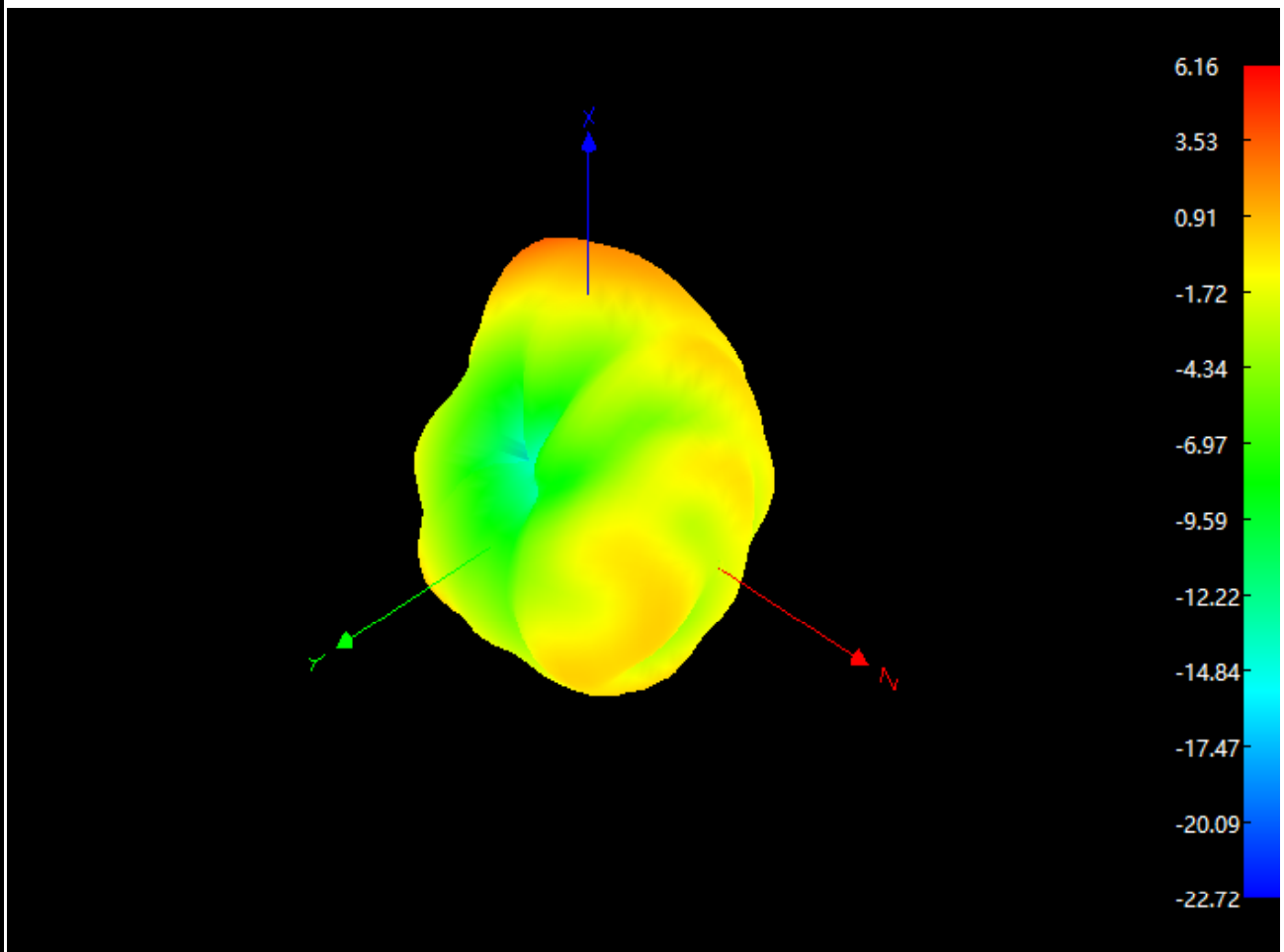


Radiation Pattern For WiFi Antenna(2.45G)



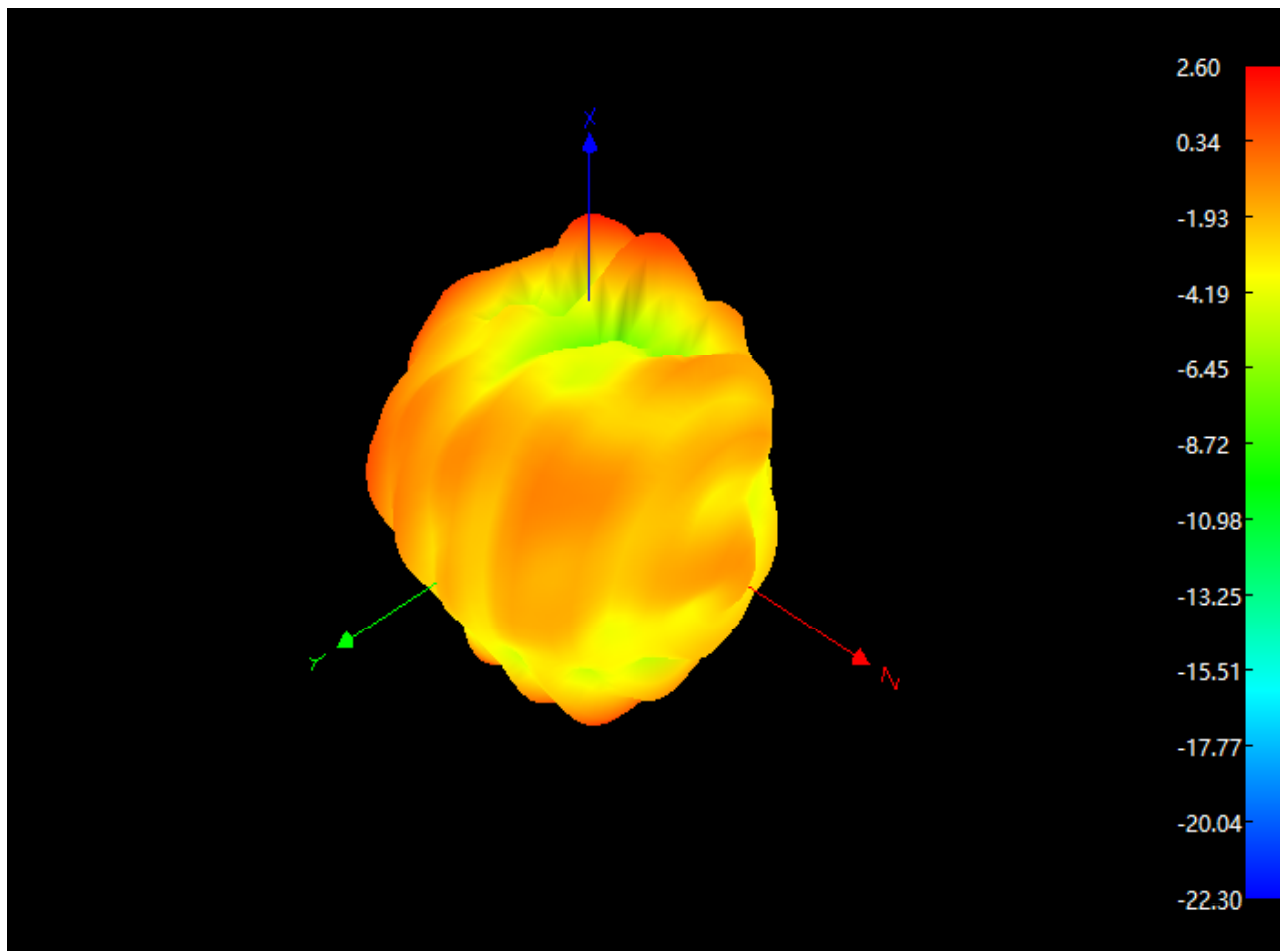


Radiation Pattern For WiFi Antenna(2.48G)



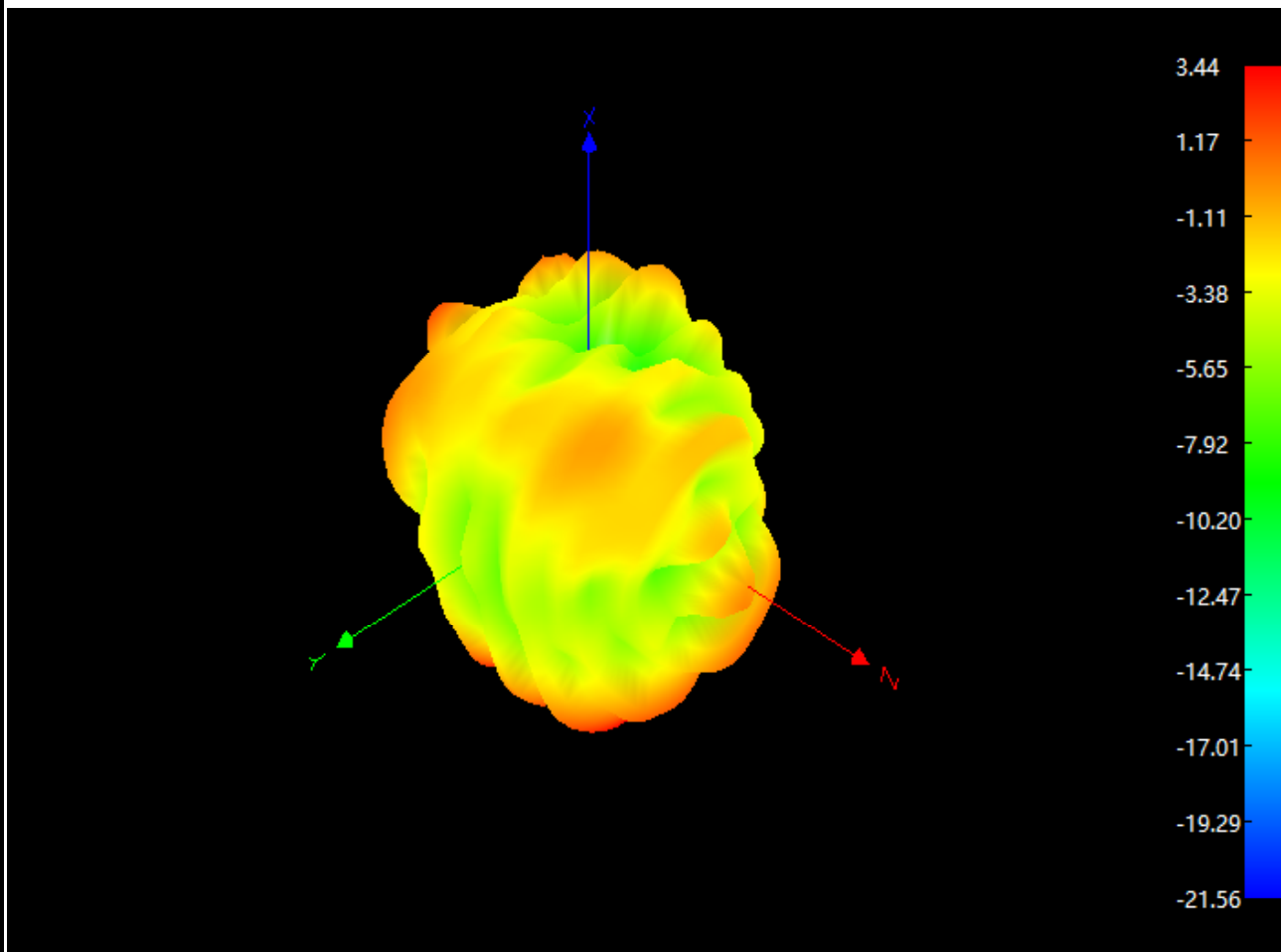


Radiation Pattern For WiFi Antenna(5.15G)





Radiation Pattern For WiFi Antenna(5.8G)





Radiation Pattern For WiFi Antenna(5.85G)

