



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 2023/07/03

编号
File No 23070302

版本
Revision 1.0

客户
CUSTOMER:

客户料号
CUSTOMER NO:

GH2305

品名
PART NAME:

WIFI Antenna L=40mm

供方料号
SUPPLIER NO:


YJL01.098.020.302A

送样日期Date:

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: Yuanfu Industrial Zone, 59 Muyu Road, Shatou Community, Changan Town, Dongguan City



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@2.4-2.5GHz 3.0 Max@5.15-5.85GHz
Gain	2.7 dBi@2.4-2.5GHz 2.9 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	None
Cable Type	O.D.0.81mm
Cable Length	40mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

ROHS

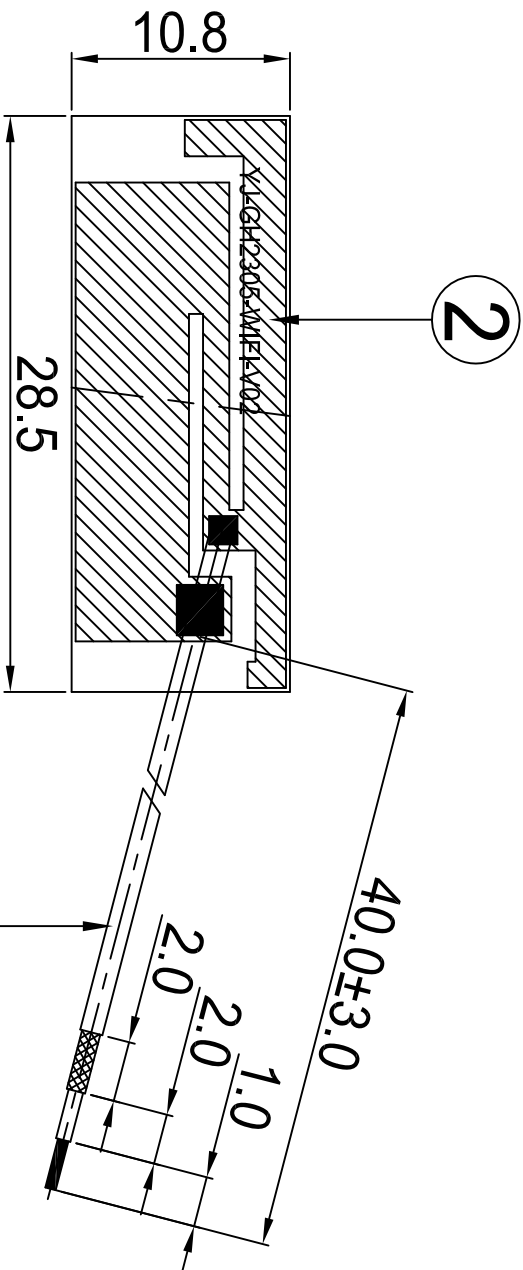
Compatible

CUSTOMER
PART NO


REV.
A

DESCRIPTION
首次发行

DATE
2023-04-24



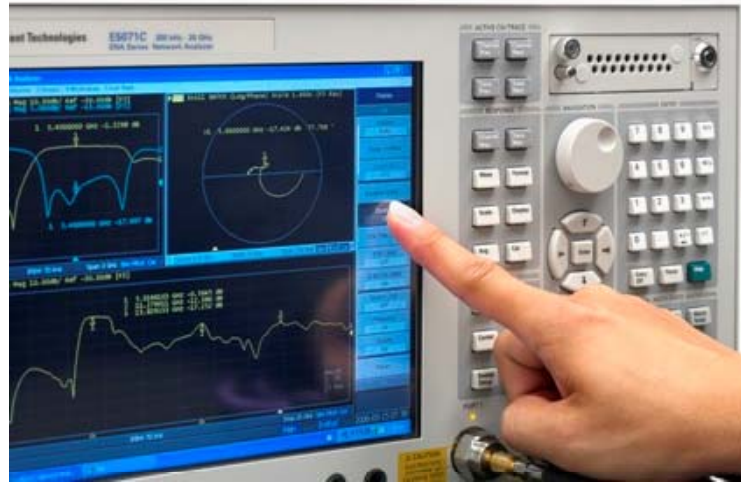
2	FPC	28.5*10.8mm	FPC	FPC11XXXXA.P01	1
1	Coaxial Cable	O.D.0.81 Black	O.D.0.81	COA100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY
1					

 <p>东莞市一佳电子通讯科技有限公司 Dongguan Yulia Electronics Communication Technology Co.,Ltd. Tel.:0769-82586086 Fax:0769-82586086</p>		<p>PART NAME: WIFI Antenna L=40mm</p>		<p>DATE: 2023-04-24</p>	
<p>PART NO.: YJL01.098.020.302A</p>		<p>APPROVED BY</p>		<p>CHECKED BY</p>	
<p>何清军</p>		<p>周颖杰</p>		<p>廖光喜</p>	
<p>UNITS: mm</p>		<p>SCALE: 1/1</p>		<p>Tolerance</p>	
<p>REVISION: A</p>		<p>SCALE: 1/1</p>		<p>X.X ±0.50</p>	
<p>REVISION: A</p>		<p>SCALE: 1/1</p>		<p>X.XX±0.15</p>	
<p>REVISION: A</p>		<p>SCALE: 1/1</p>		<p>X° ±3°</p>	

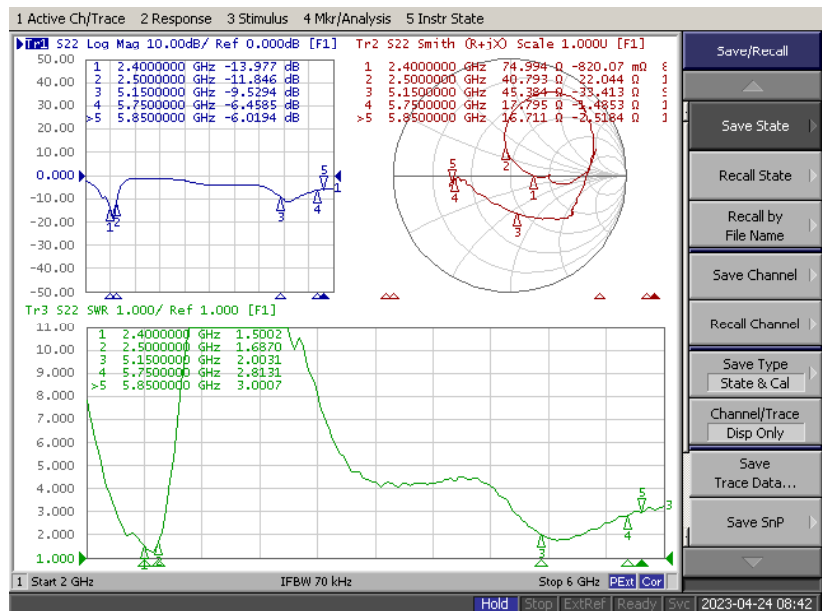


Antenna Performance Test

**Agilent
E5071B**

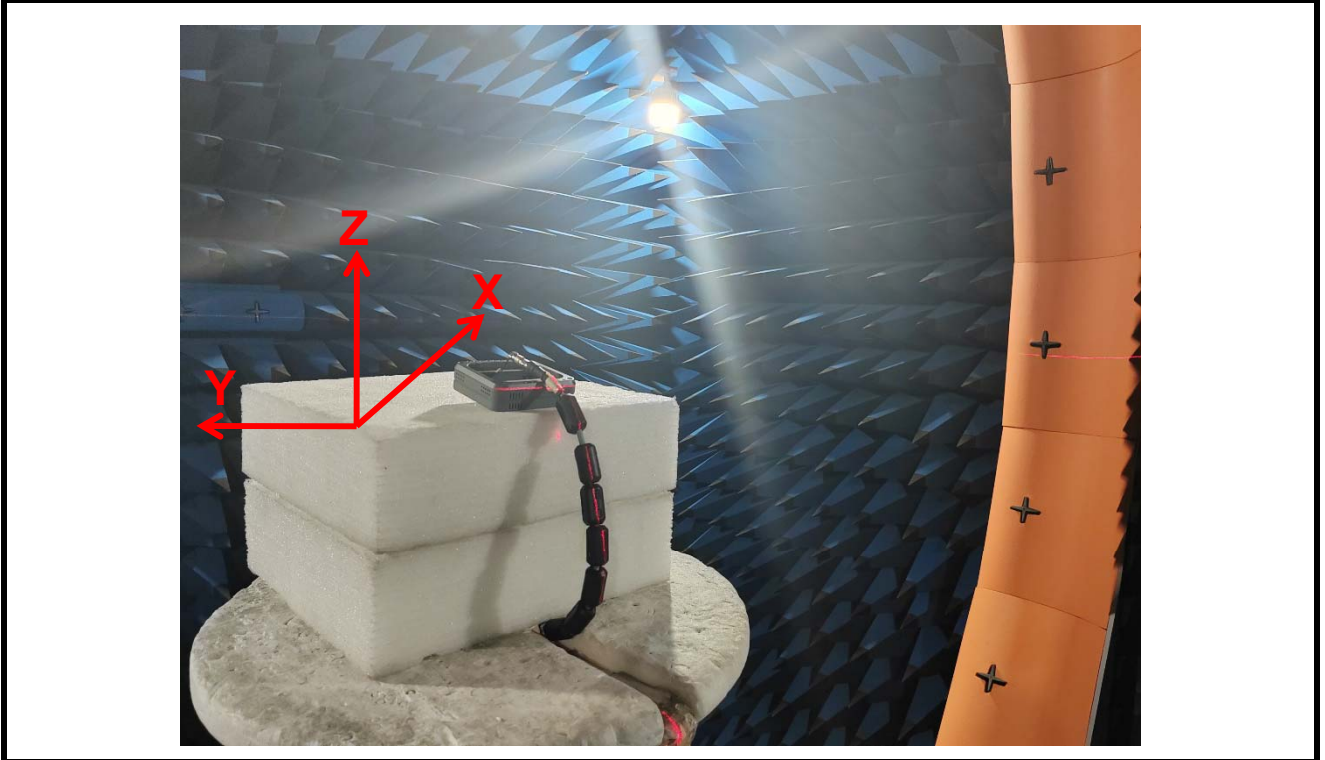


**S
Parameter
Test //
WIFI
Antenna**





Antenna Passive Test





Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	43.7	-3.6	2.7
2410	44.3	-3.5	2.6
2420	43.9	-3.6	2.4
2430	44.6	-3.5	2.4
2440	45.8	-3.4	2.2
2450	48.9	-3.1	2.5
2460	48.8	-3.1	2.1
2470	51.2	-2.9	2.4
2480	49.8	-3.0	2.6
2490	49.9	-3.0	2.7
2500	46.6	-3.3	2.7

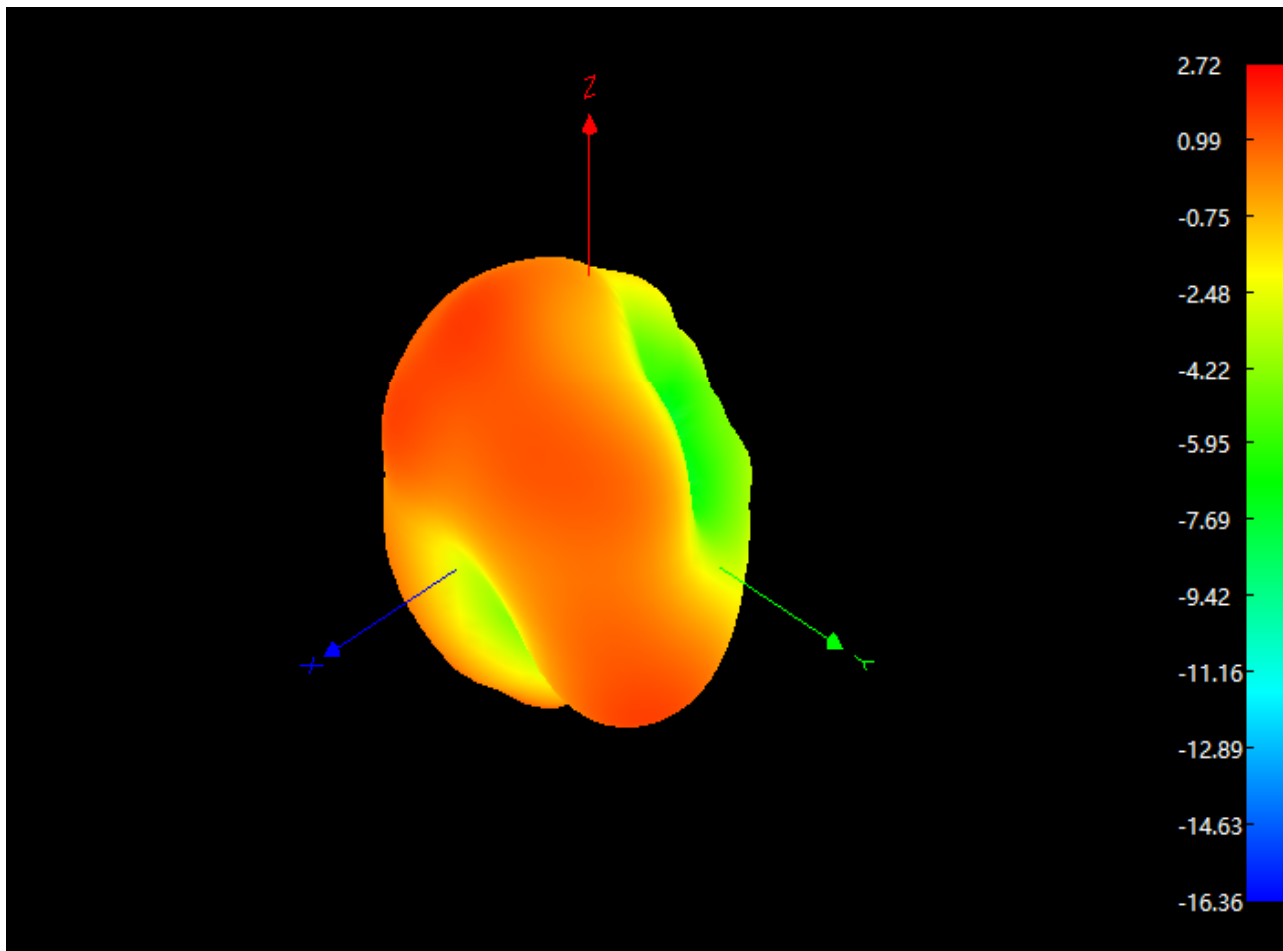


Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	55.2	-2.6	1.7
5200	57.0	-2.4	2.2
5250	58.8	-2.3	2.4
5300	59.8	-2.2	2.5
5350	59.4	-2.3	2.4
5400	66.7	-1.8	2.9
5450	65.6	-1.8	2.6
5500	57.9	-2.4	2.1
5550	66.1	-1.8	2.7
5600	66.2	-1.8	2.5
5650	56.5	-2.5	2.0
5700	57.9	-2.4	2.1
5750	63.4	-2.0	2.2
5800	53.8	-2.7	1.6
5850	53.5	-2.7	1.6

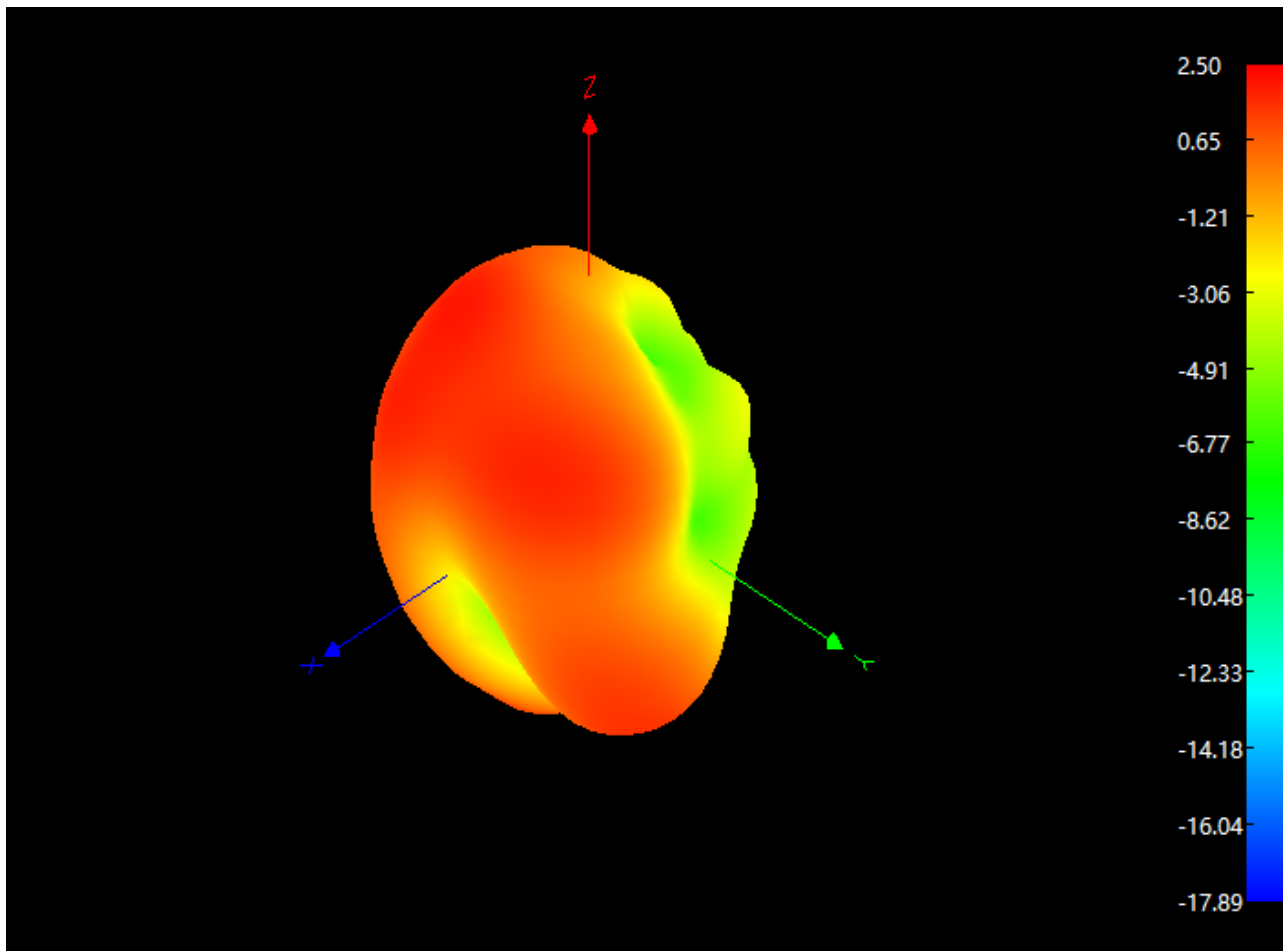


Radiation Pattern For WiFi Antenna(2400MHz)



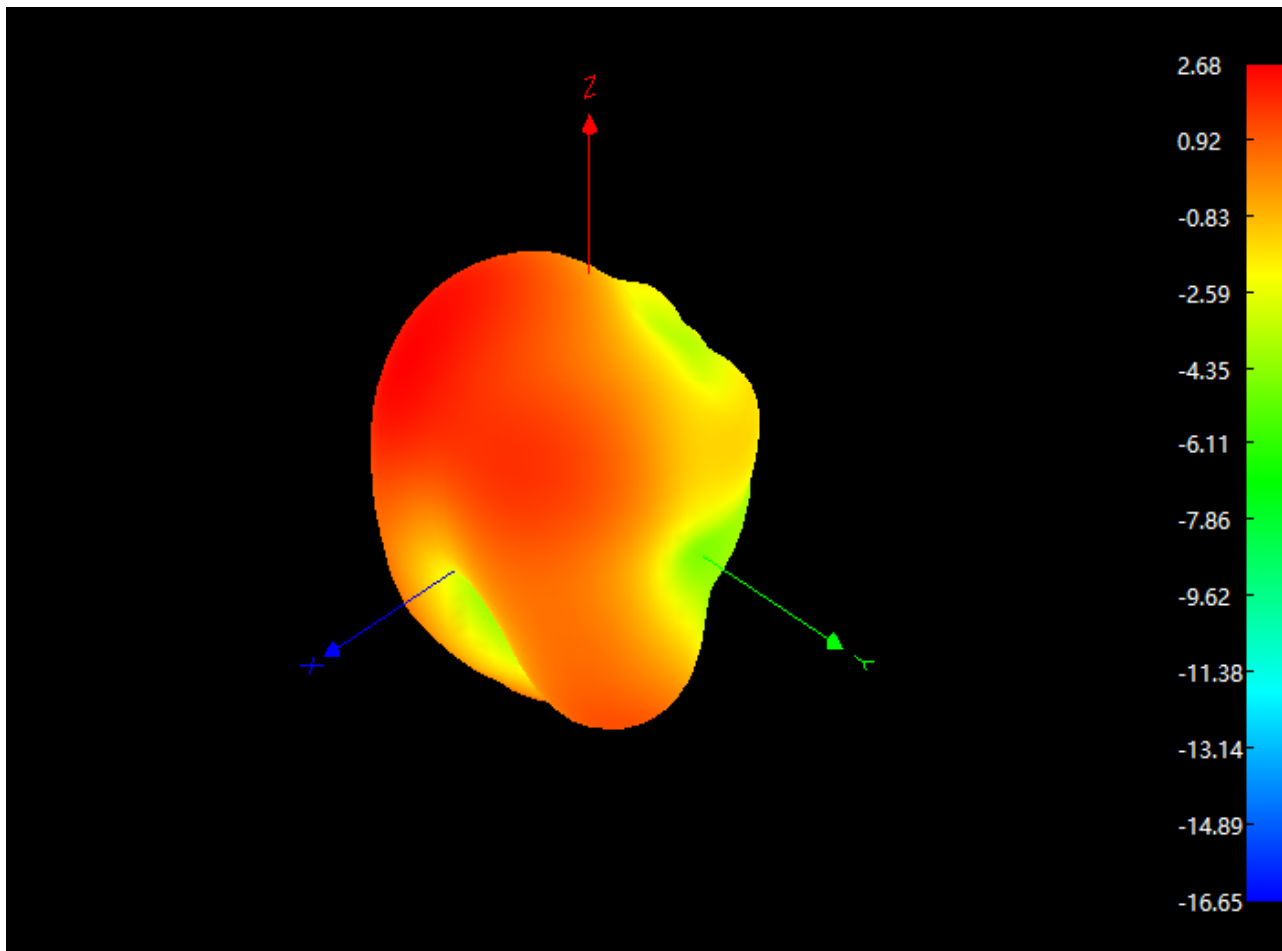


Radiation Pattern For WiFi Antenna(2450MHz)



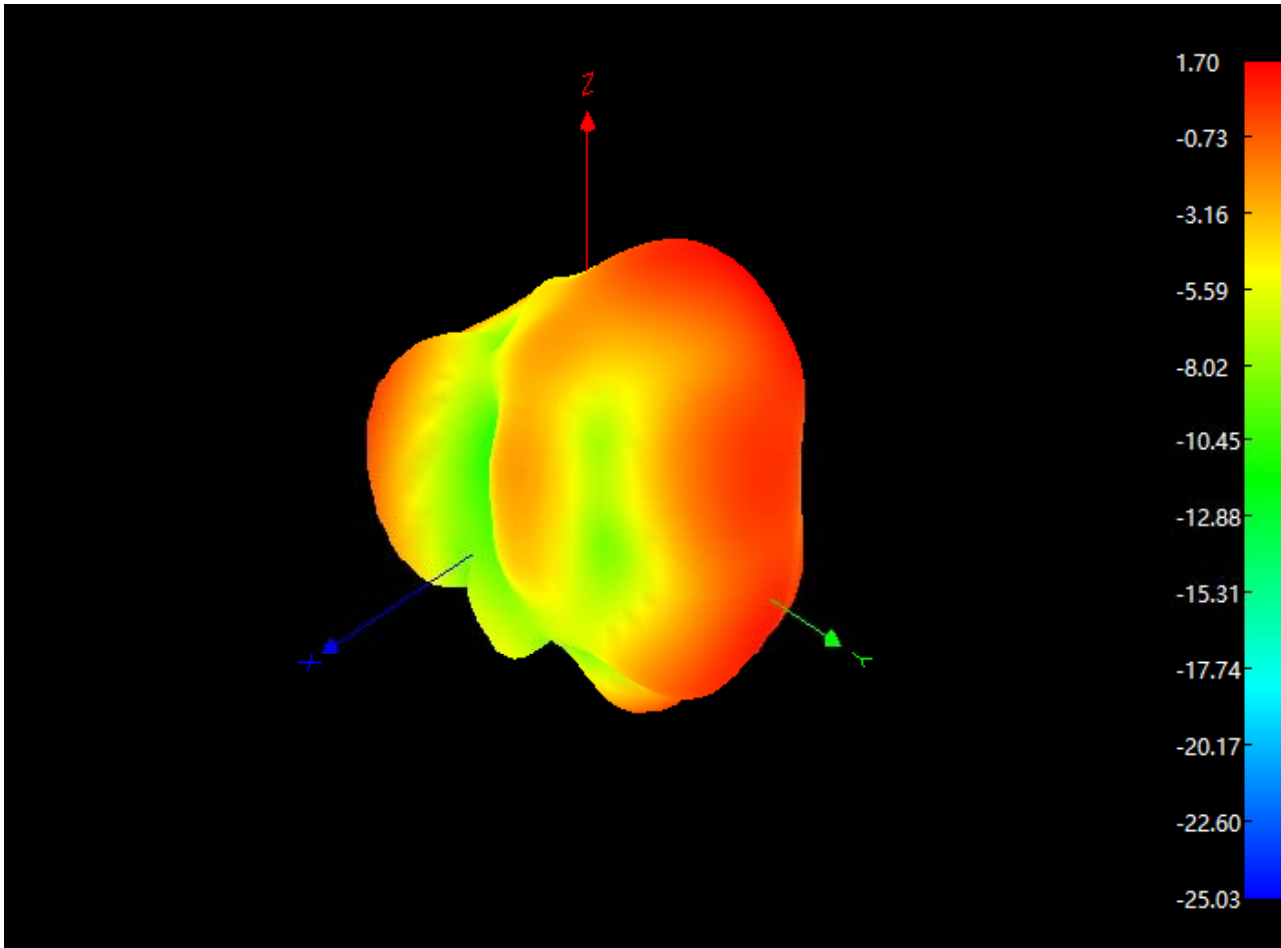


Radiation Pattern For WiFi Antenna(2500MHz)



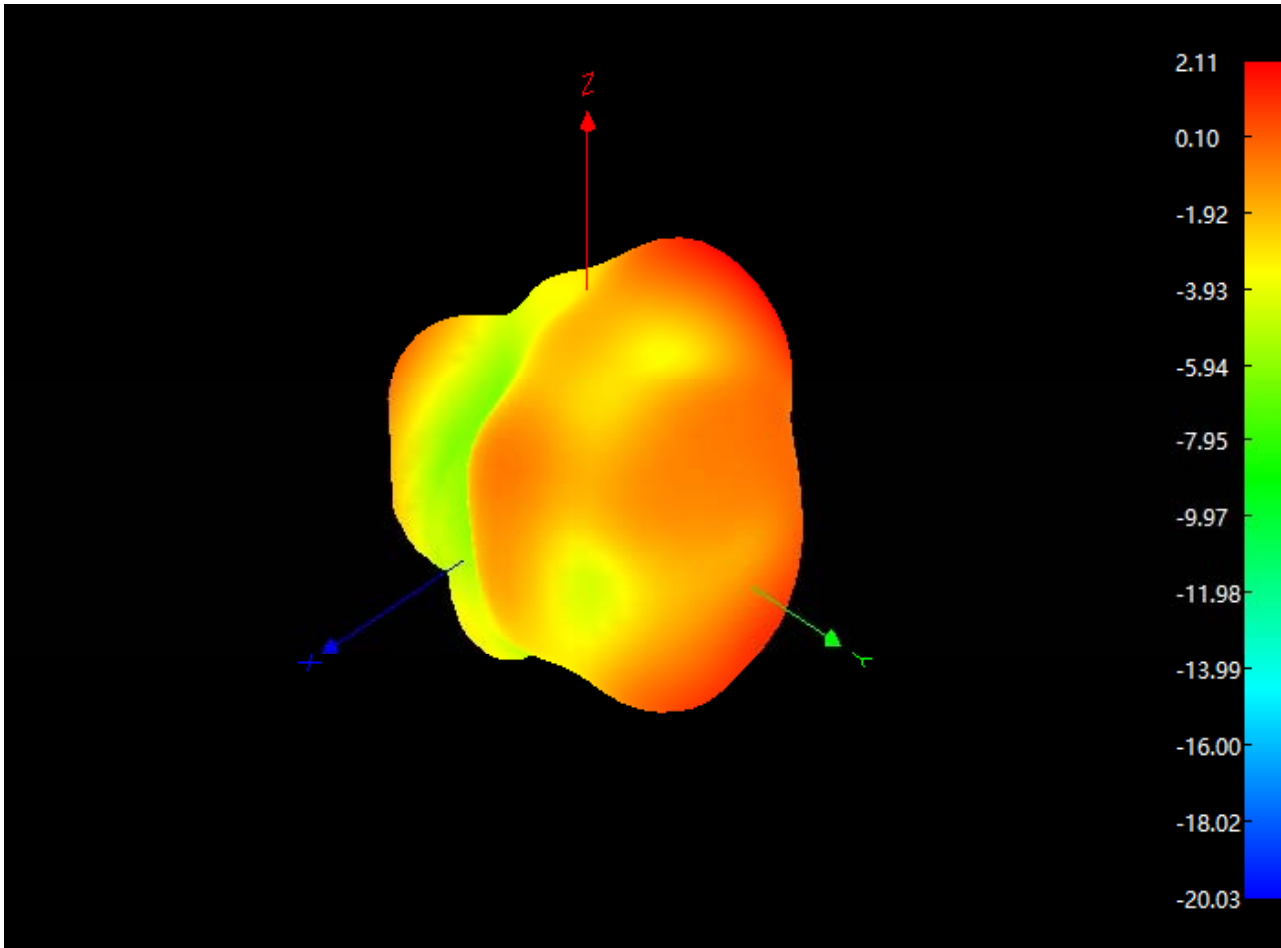


Radiation Pattern For WiFi Antenna(5150MHz)





Radiation Pattern For WiFi Antenna(5500MHz)





Radiation Pattern For WiFi Antenna(5850MHz)

