



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2024/09/27
编号 File No	24092701
版本 Revision	1.0

客户
CUSTOMER: 方位 /Fanvil

客户料号
CUSTOMER NO: V60W

品名
PART NAME: WIFI Antenna L=50mm

供方料号
SUPPLIER NO: YJL01.106.073.301A

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

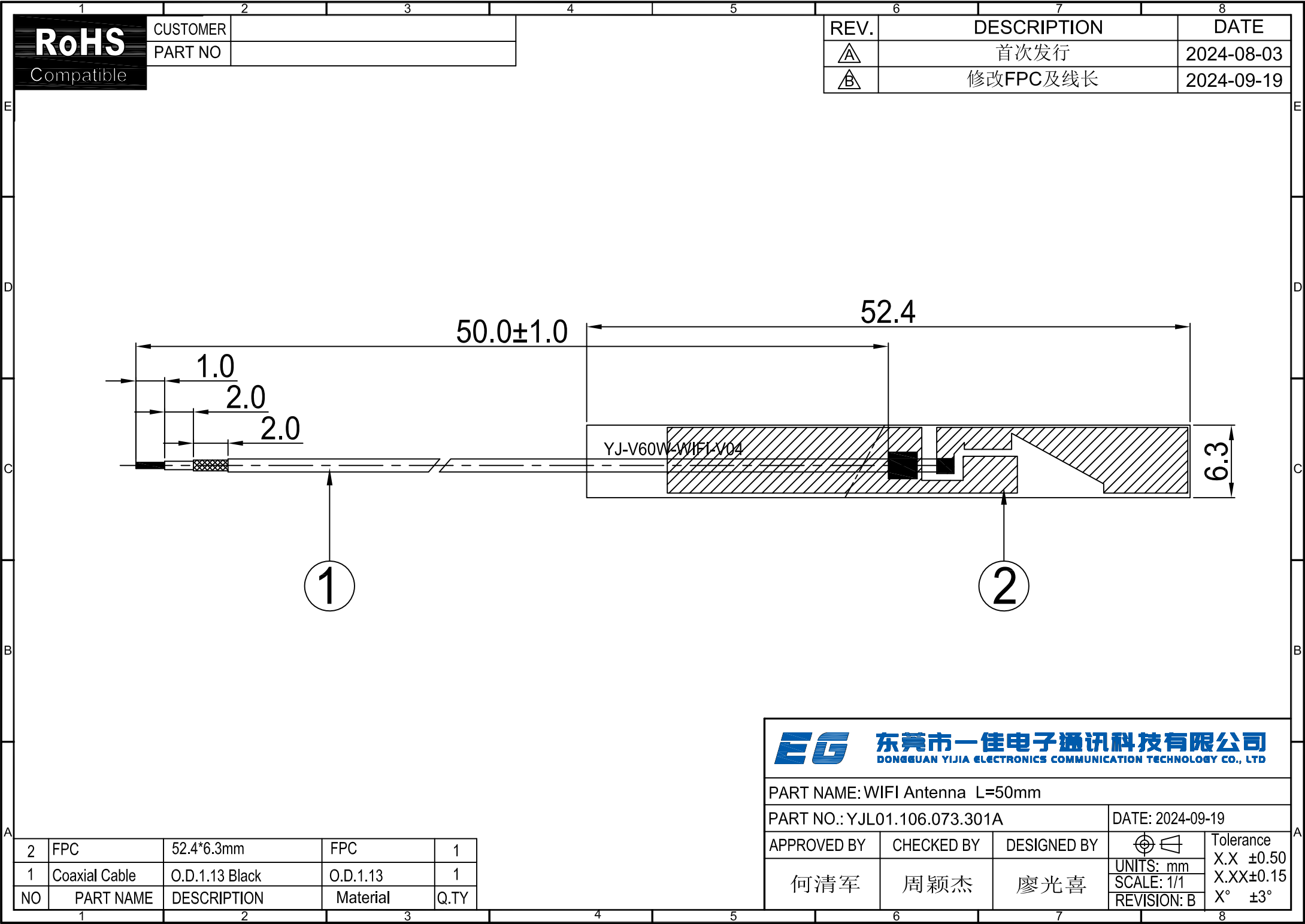




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13	-	-	-





RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
A	首次发行	2024-08-03
B	修改FPC及线长	2024-09-19

2	FPC	52.4*6.3mm	FPC	1
1	Coaxial Cable	O.D.1.13 Black	O.D.1.13	1
NO	PART NAME	DESCRIPTION	Material	Q.TY

EG 东莞市一佳电子通讯科技有限公司 DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD				
PART NAME: WIFI Antenna L=50mm				
PART NO.: YJL01.106.073.301A			DATE: 2024-09-19	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
何清军	周颖杰	廖光喜		X.X ±0.50
				X.XX±0.15
				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	2.5 Max
Gain	3.9 dBi@2.4-2.5GHz 3.6 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	None
Cable Type	O.D.1.13mm
Cable Length	50mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

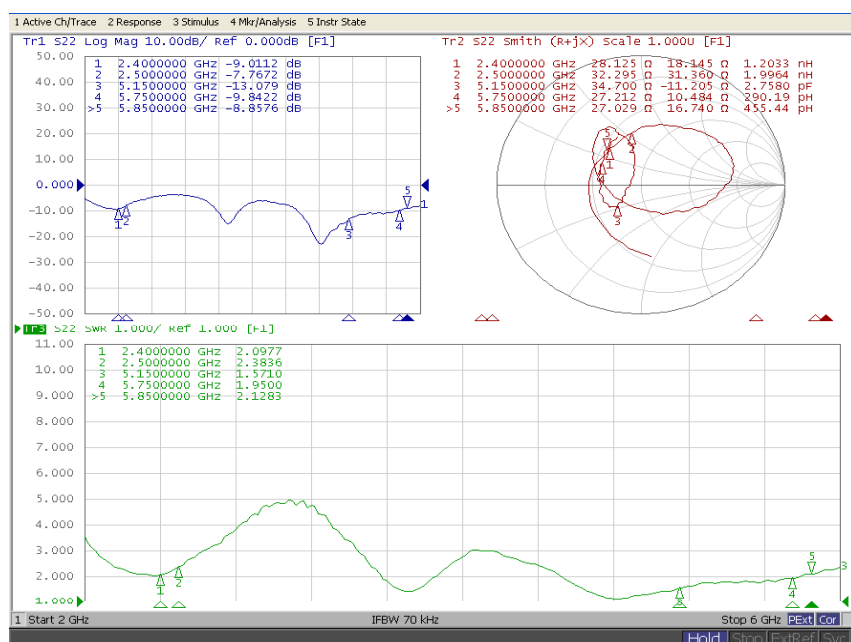




东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

Antenna Performance Test

**Agilent
E5071B
S
Parameter
Test //
WIFI
Antenna**



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No. 59, Muyu Road, Shatou Community, Chang'an Town, Dongguan City



Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	64.1	-1.9	3.4
2410	64.7	-1.9	3.4
2420	65.8	-1.8	3.4
2430	64.7	-1.9	3.3
2440	62.4	-2.1	3.3
2450	64.6	-1.9	3.6
2460	62.5	-2.0	3.7
2470	61.8	-2.1	3.8
2480	58.1	-2.4	3.9
2490	57.2	-2.4	3.9
2500	52.7	-2.8	3.7





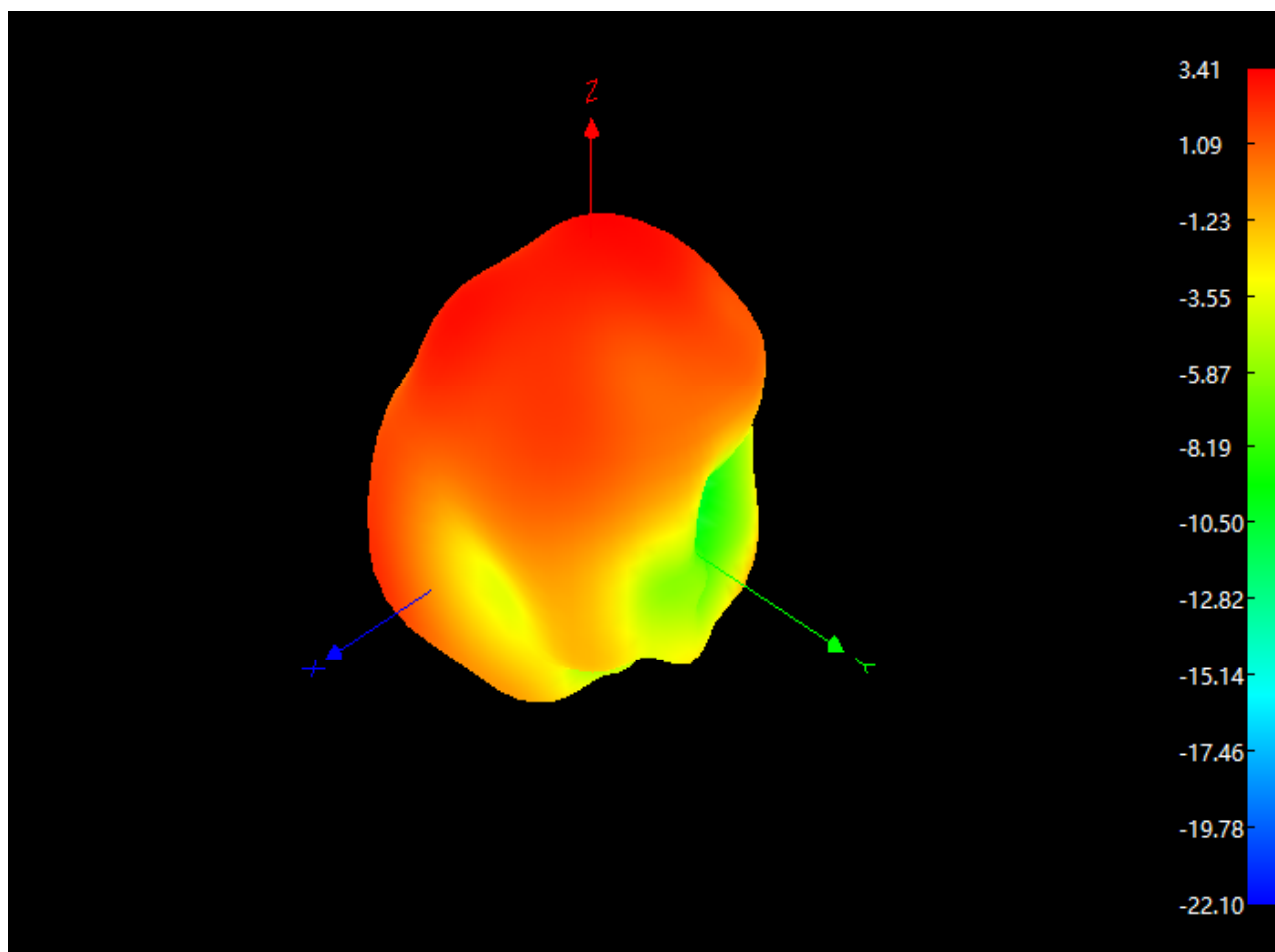
Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	65.5	-1.8	3.5
5200	63.7	-2.0	3.6
5250	61.5	-2.1	3.3
5300	60.8	-2.2	3.4
5350	59.2	-2.3	3.0
5400	63.0	-2.0	3.5
5450	62.7	-2.0	3.2
5500	56.9	-2.5	3.0
5550	63.0	-2.0	3.3
5600	65.0	-1.9	3.5
5650	55.6	-2.6	2.9
5700	55.6	-2.6	2.9
5750	67.9	-1.7	3.6
5800	58.8	-2.3	3.4
5850	48.5	-3.1	2.7



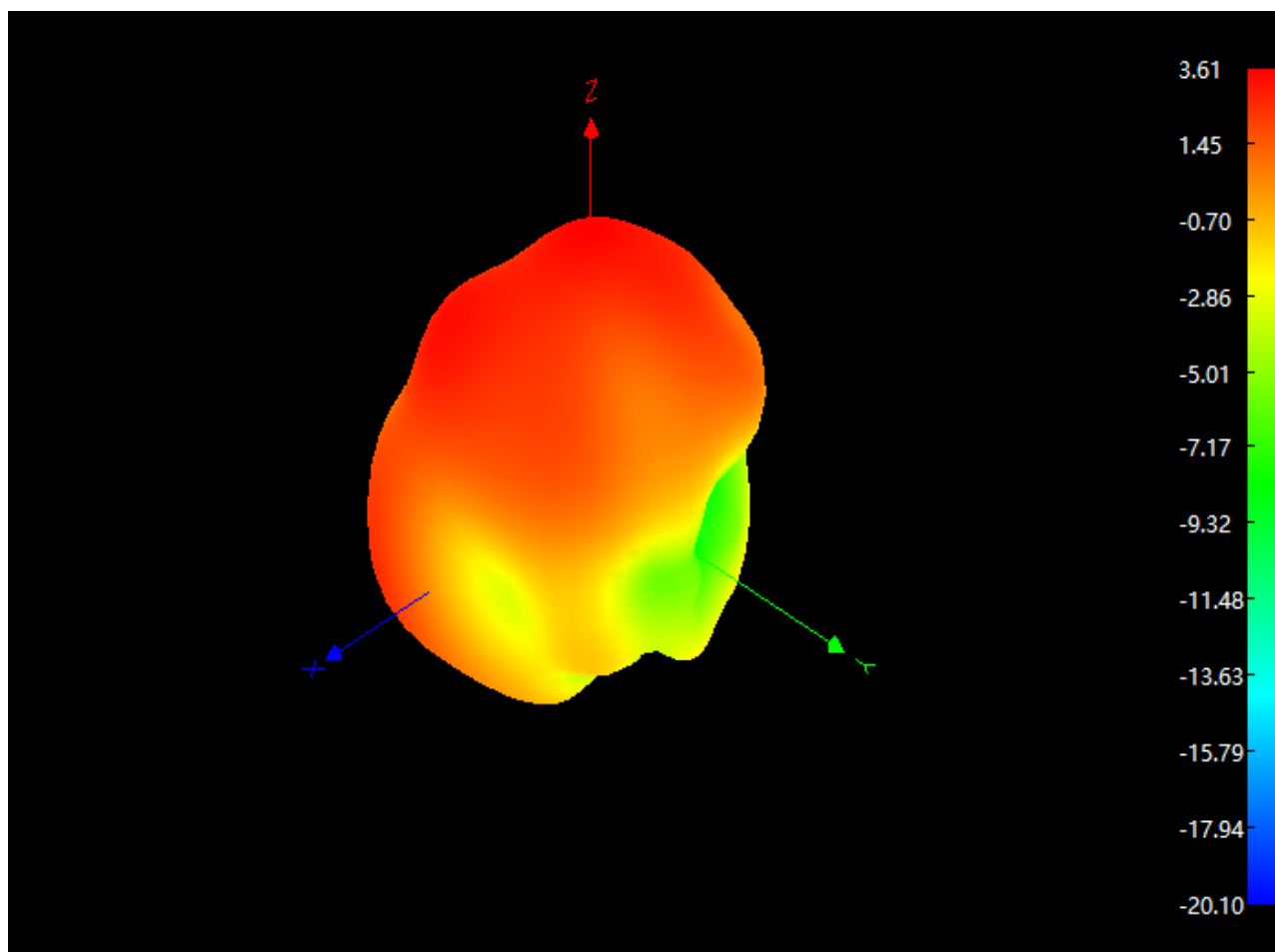


Radiation Pattern For WiFi Antenna(2400MHz)



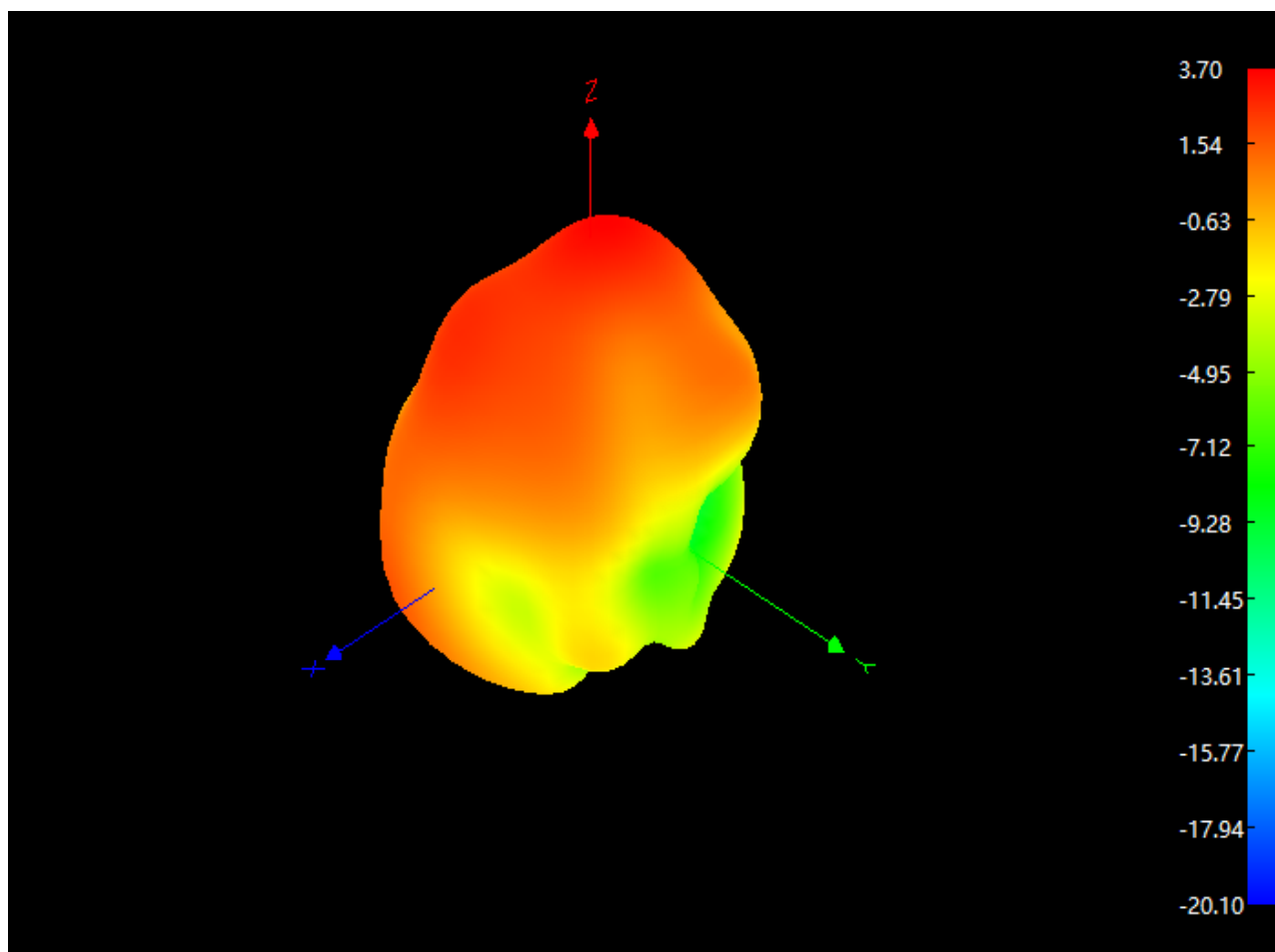


Radiation Pattern For WiFi Antenna(2450MHz)



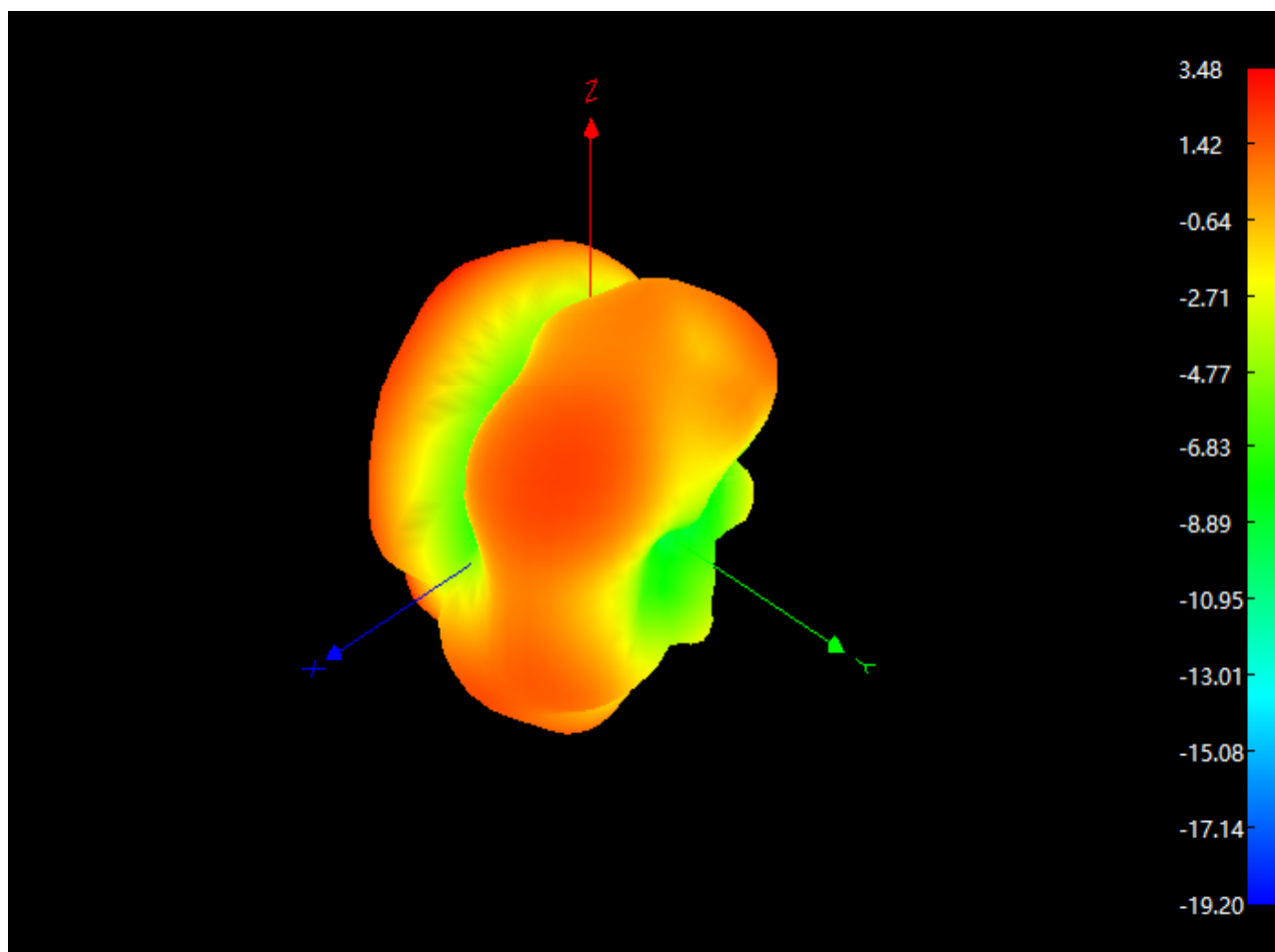


Radiation Pattern For WiFi Antenna(2500MHz)



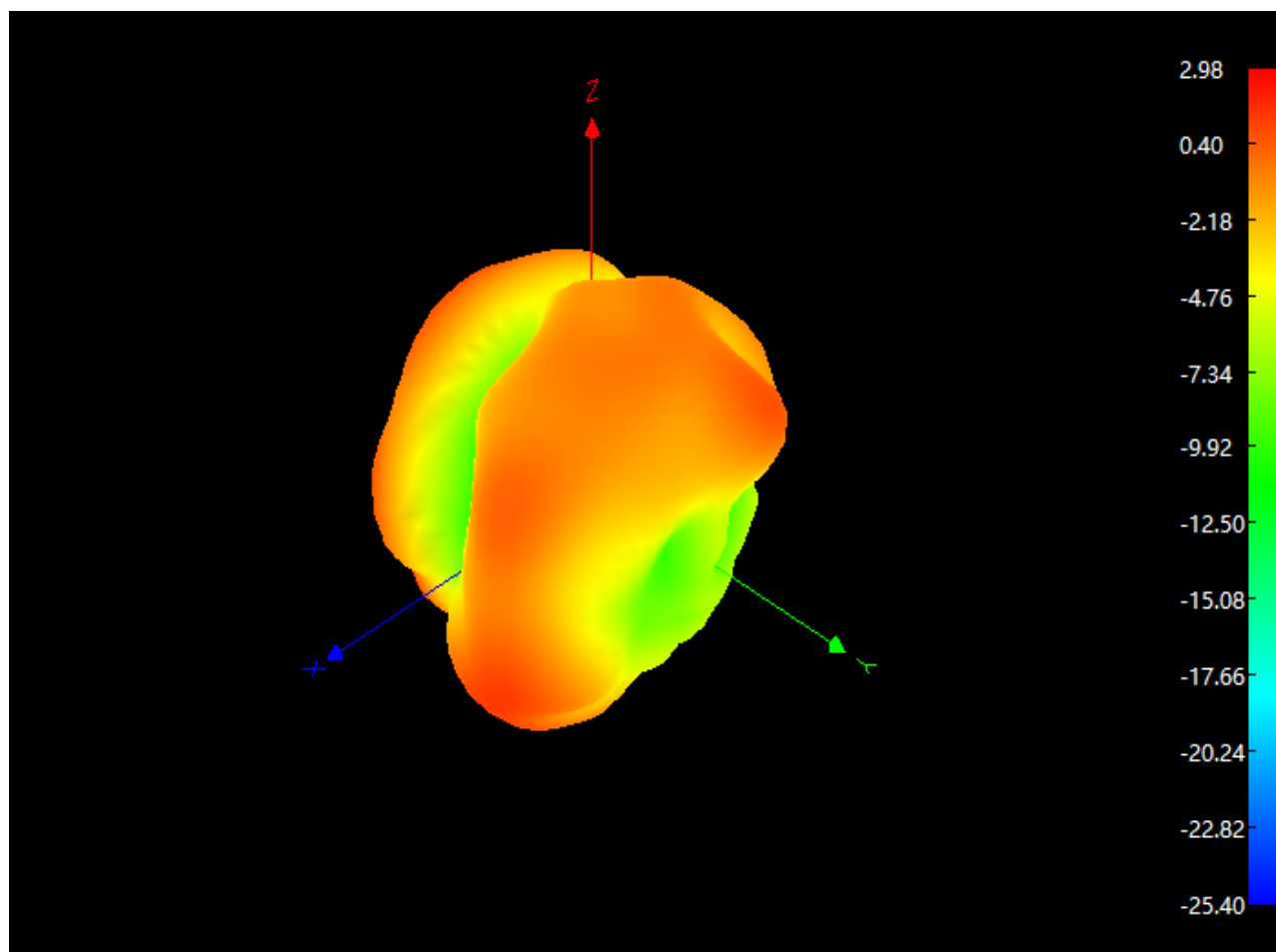


Radiation Pattern For WiFi Antenna(5150MHz)



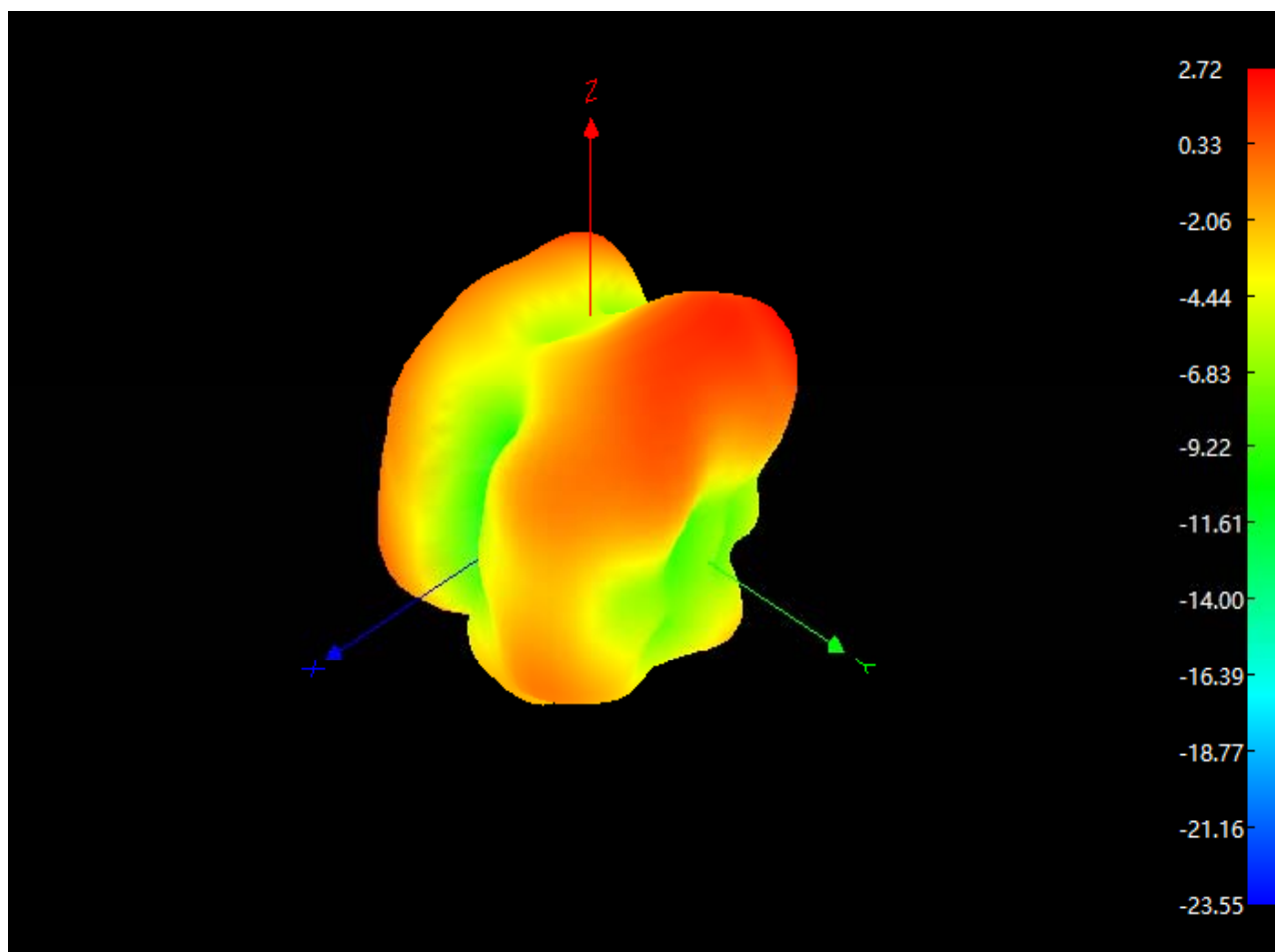


Radiation Pattern For WiFi Antenna(5500MHz)





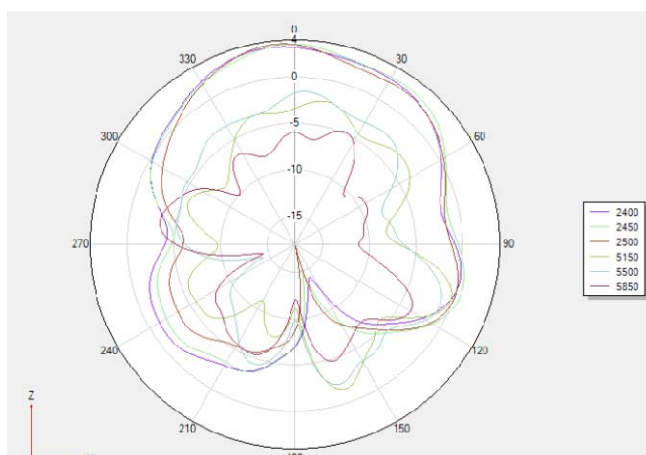
Radiation Pattern For WiFi Antenna(5850MHz)



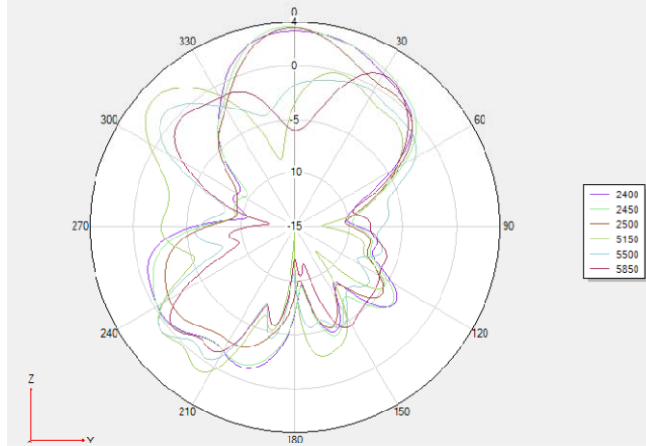


Radiation Pattern For WiFi Antenna

Phi 0°



Phi 90°



Theta 90°

