



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/03/28
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版本 Revision	1.0

客户
CUSTOMER: Fanvil

客户料号
CUSTOMER NO: J600

品名
PART NAME: WIFI Antenna L=55mm

供方料号
SUPPLIER NO: YJL01.106.078.301A

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

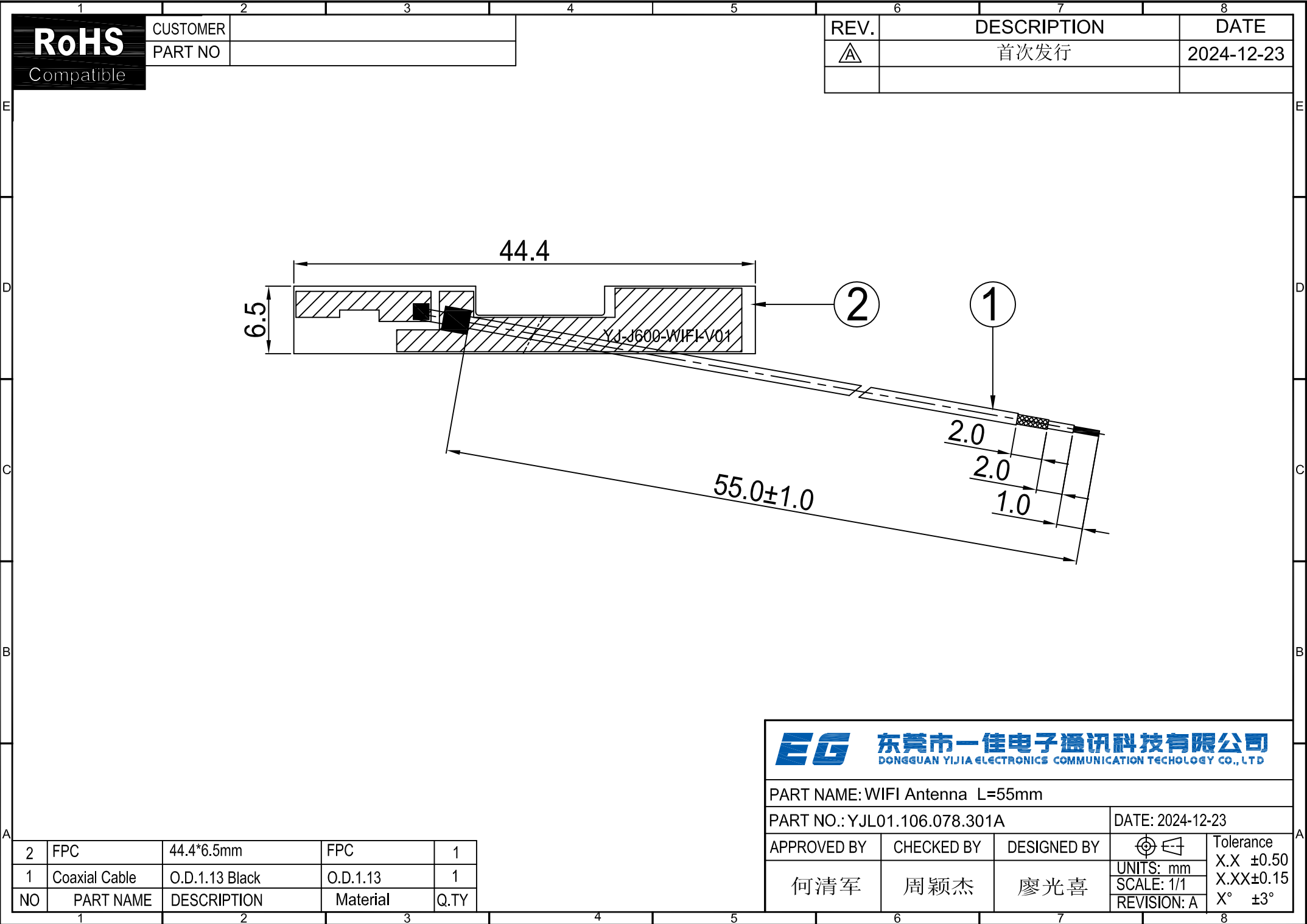




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天线规格 Antenna Specification

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 2.5 Max@5.15-5.85GHz
Gain	5.9 dBi@2.4-2.5GHz 6.1 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	None
Cable Type	O.D.1.13mm
Cable Length	55mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

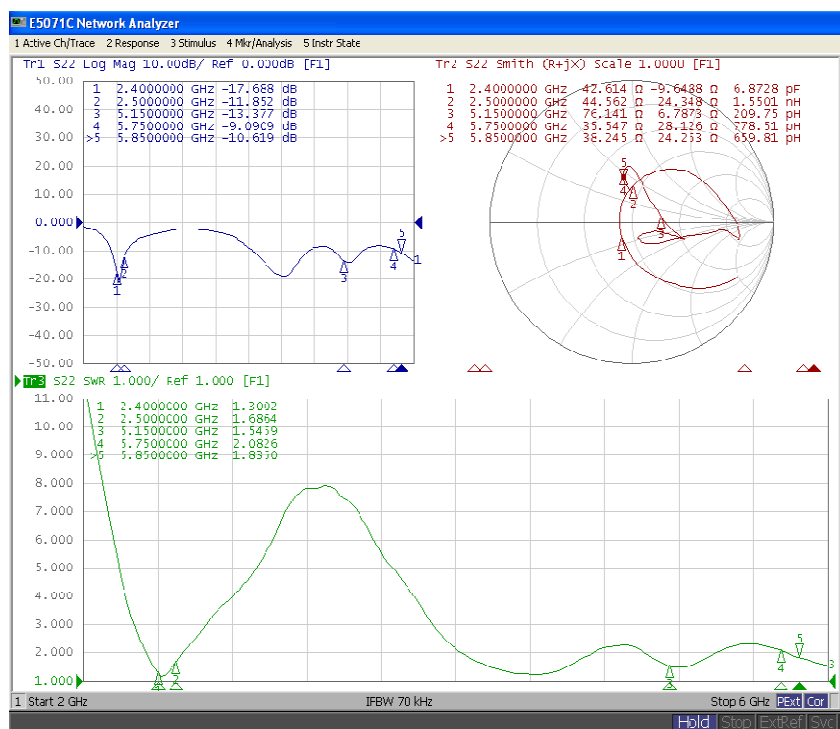




东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
WiFi
Antenna*



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Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	58.2	-2.4	4.7
2410	59.3	-2.3	4.8
2420	58.9	-2.3	4.8
2430	59.5	-2.3	4.9
2440	59.8	-2.2	4.9
2450	60.2	-2.2	5.4
2460	60.7	-2.2	5.2
2470	61.4	-2.1	5.8
2480	61.2	-2.1	5.6
2490	60.9	-2.2	5.9
2500	61.3	-2.1	5.7





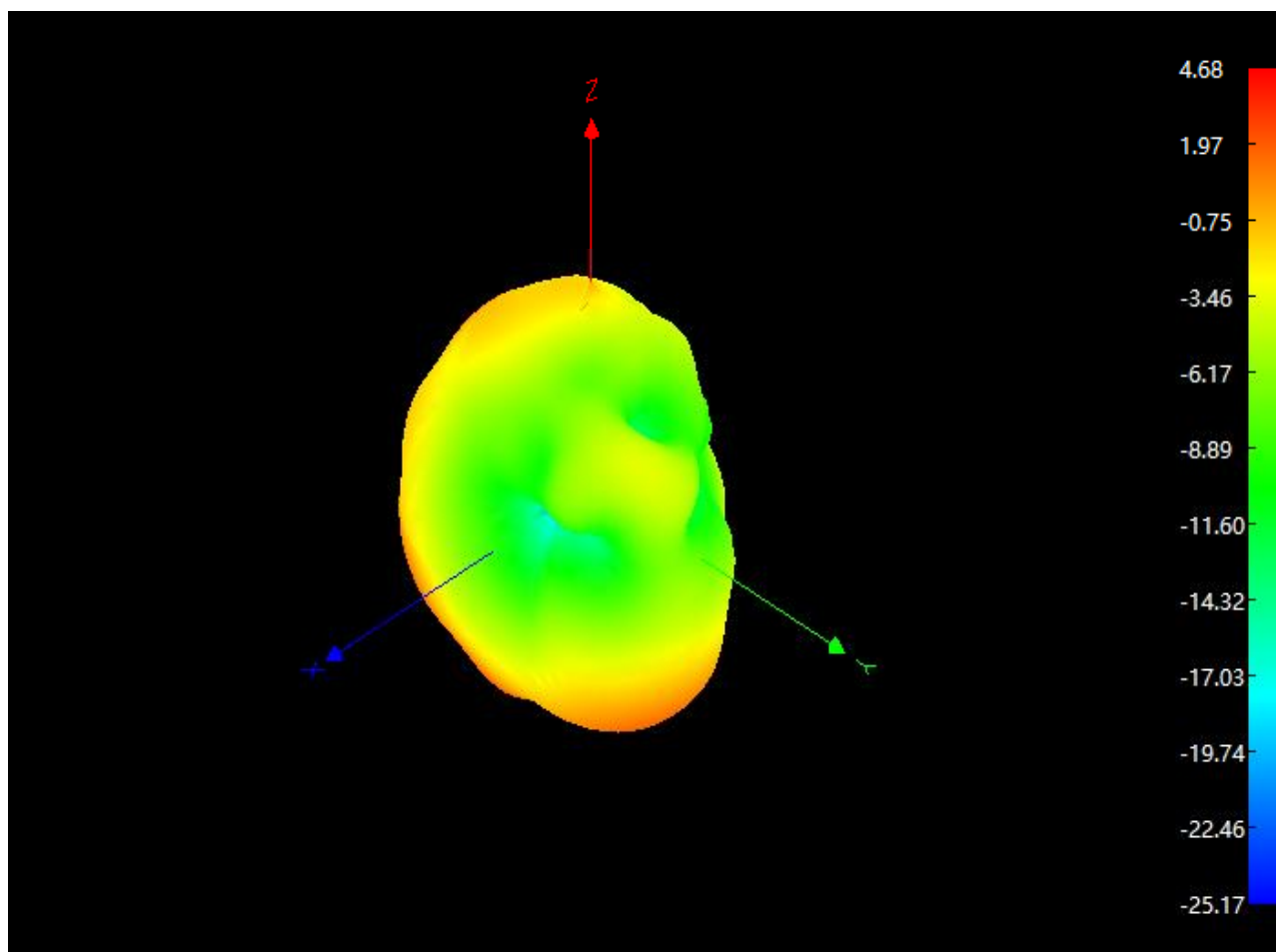
Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	63.5	-2.0	6.1
5200	61.9	-2.1	6.1
5250	58.4	-2.3	5.7
5300	59.0	-2.3	5.4
5350	59.8	-2.2	5.1
5400	61.2	-2.1	5.2
5450	58.1	-2.4	4.5
5500	58.1	-2.4	3.9
5550	60.2	-2.2	4.1
5600	55.1	-2.6	3.2
5650	55.4	-2.6	2.8
5700	56.0	-2.5	2.9
5750	55.3	-2.6	2.8
5800	55.2	-2.6	2.1
5850	56.7	-2.5	2.4



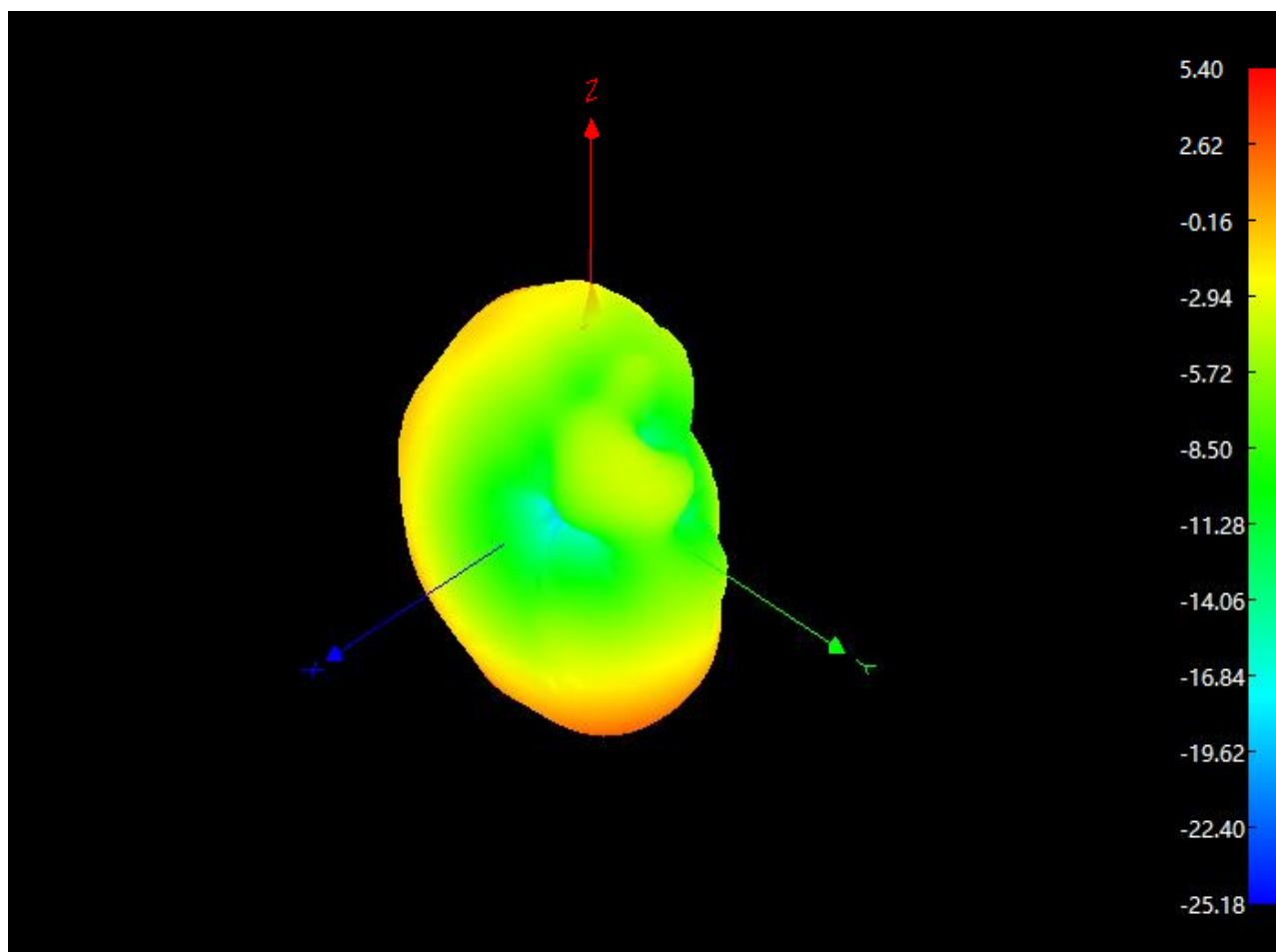


Radiation Pattern For WiFi Antenna (2400MHz)



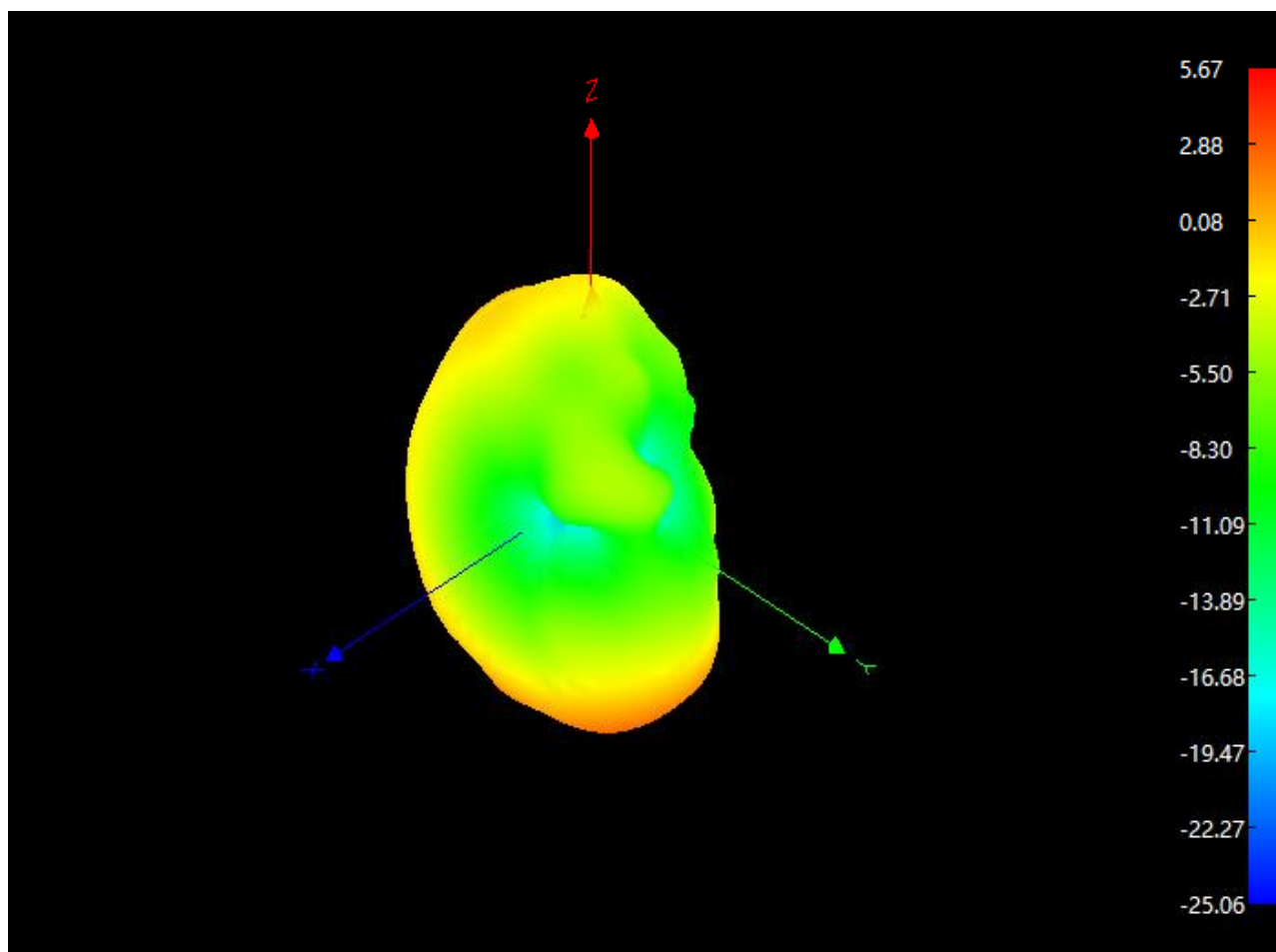


Radiation Pattern For WiFi Antenna (2450MHz)



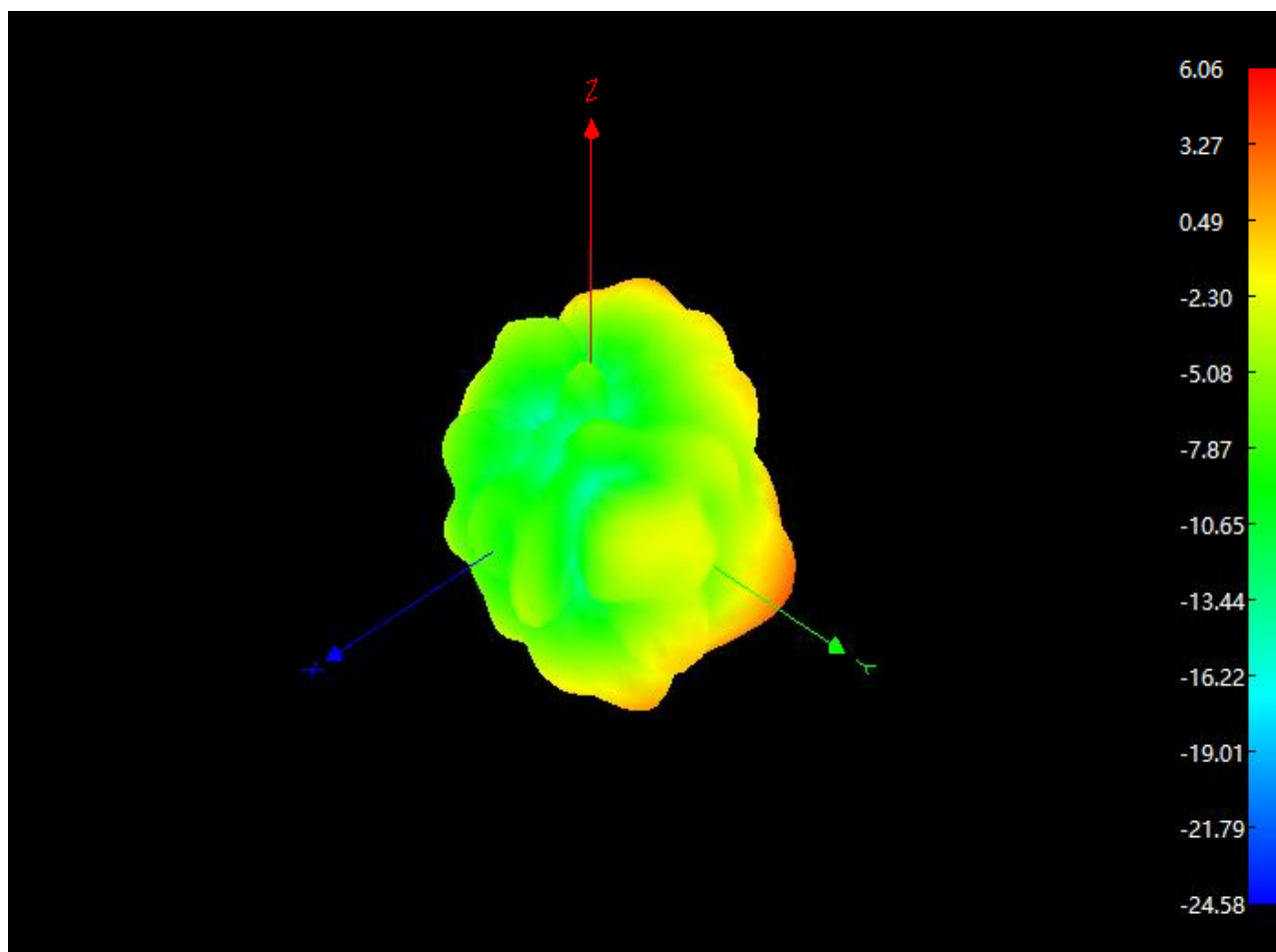


Radiation Pattern For WiFi Antenna (2500MHz)



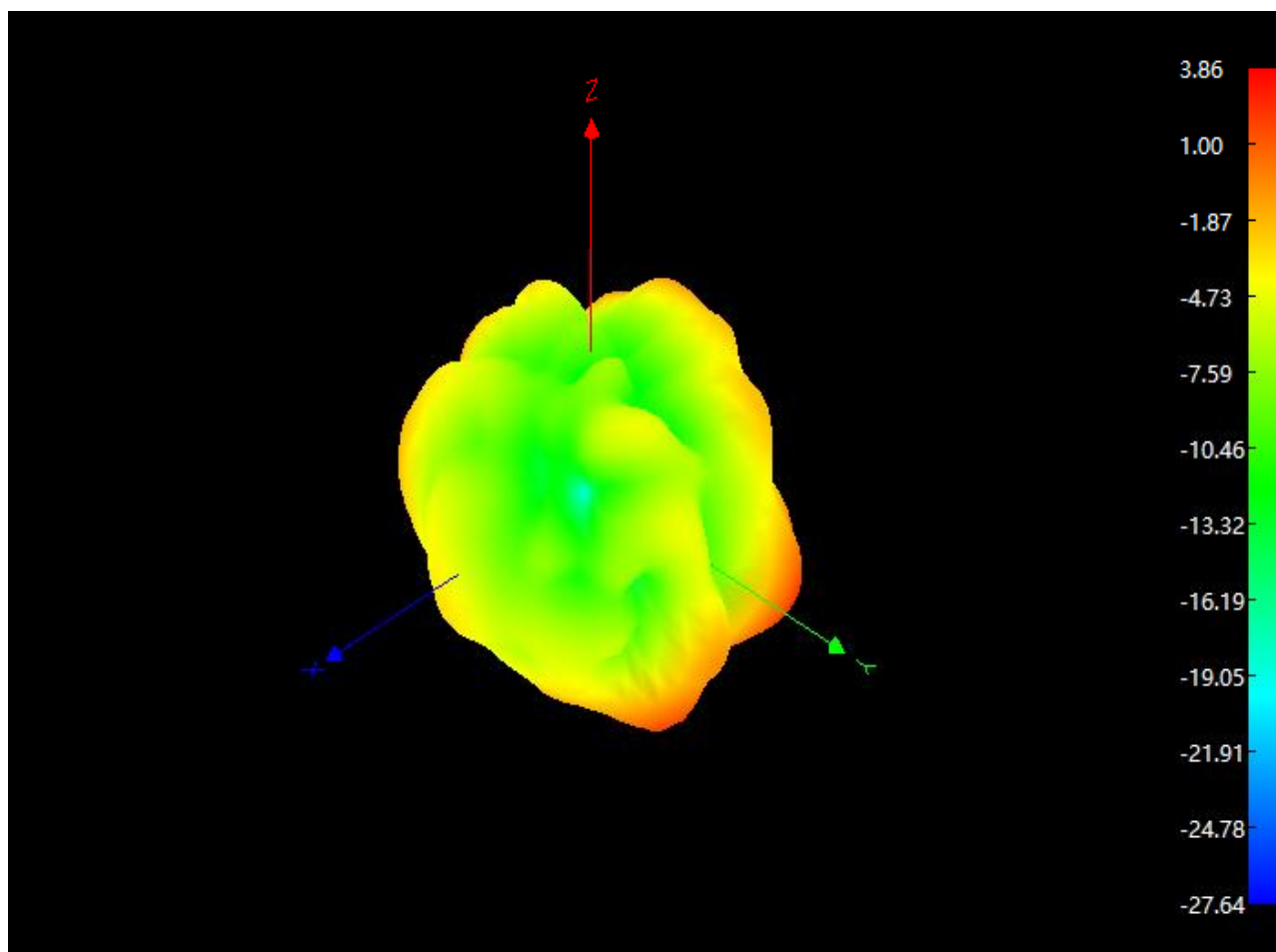


Radiation Pattern For WiFi Antenna (5150MHz)



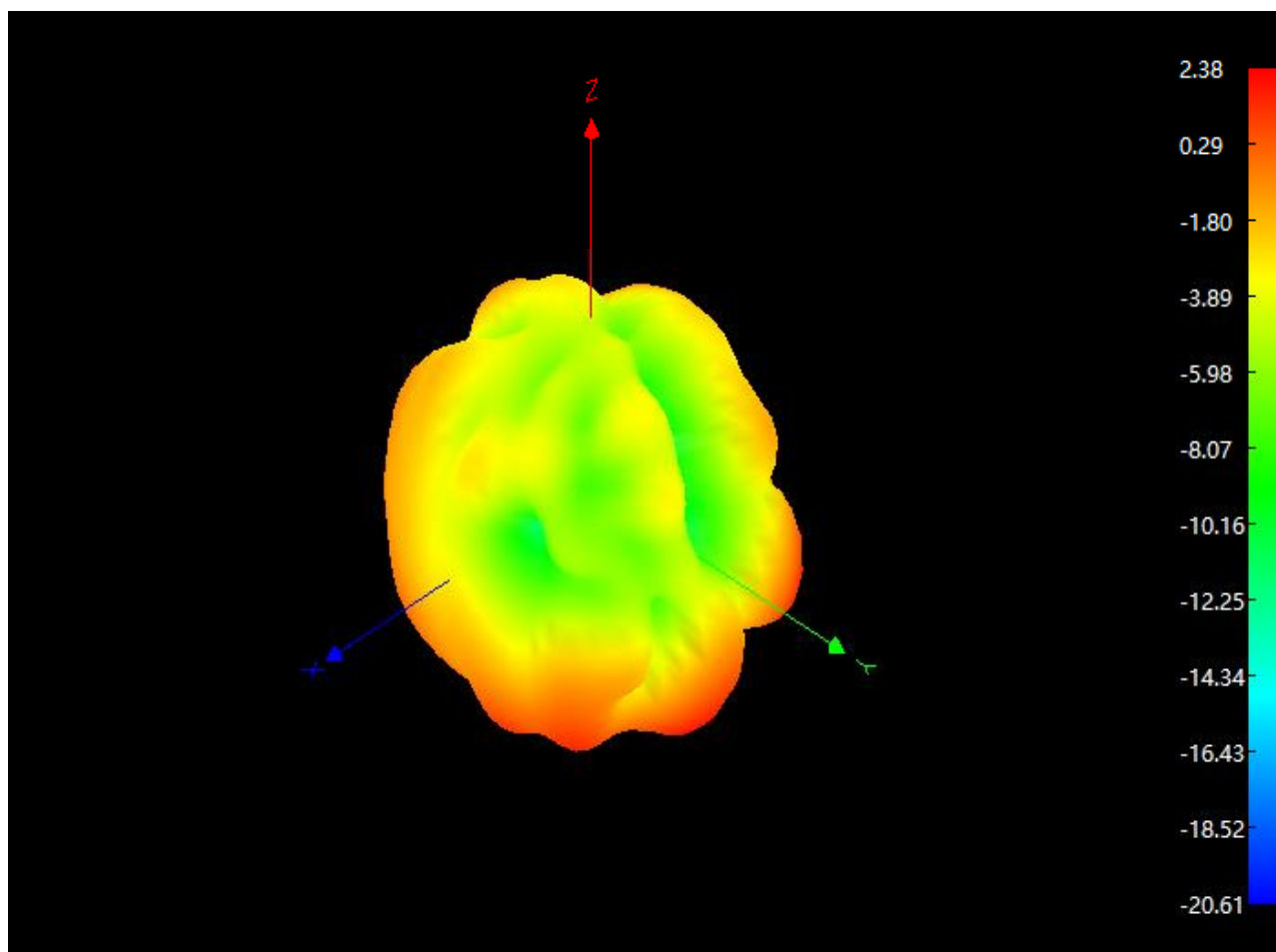


Radiation Pattern For WiFi Antenna (5500MHz)





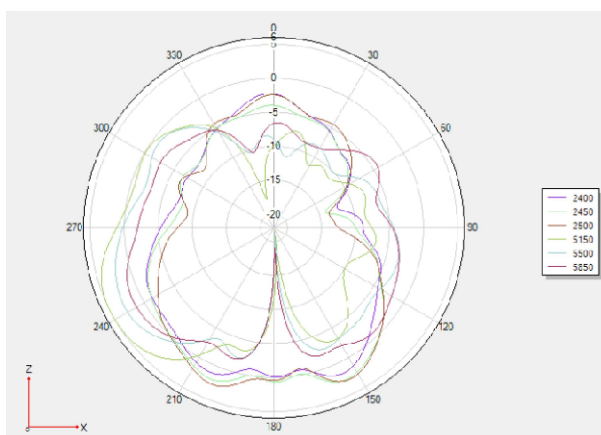
Radiation Pattern For WiFi Antenna (5850MHz)



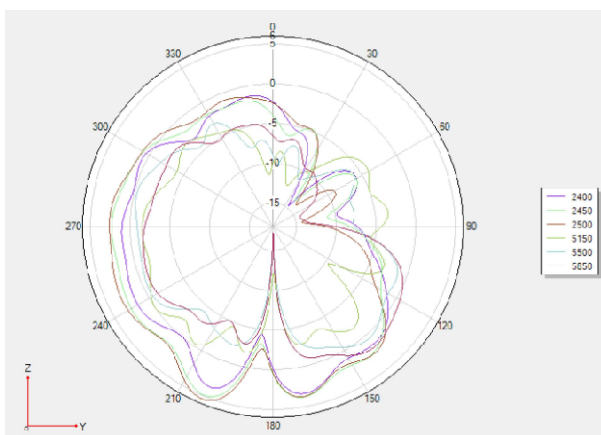


Radiation Pattern For WiFi Antenna

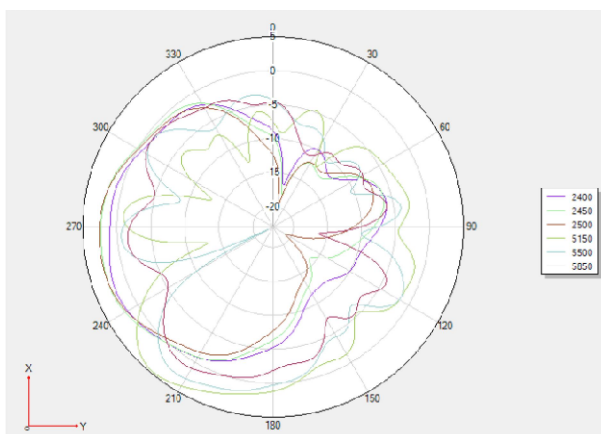
Phi 0°



Phi 90°



Theta 90°





Active Test For WiFi Antenna					
Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	1	11Mbps	15.2	11Mbps	-85.4
	6		15.8		-85.6
	11		15.6		-85.1
WIFI 5G 802.11a	36	6Mbps	14.2	54Mbps	-73.2
	100		14.3		-73.4
	165		14.0		-73.1

