



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2024/10/30
编号 File No	24103004
版本 Revision	1.0

客户
CUSTOMER: FJ Dynamics

客户料号
CUSTOMER NO: YTX-TX-003069

品名
PART NAME: WIFI 1 Antenna L=190mm MHF

供方料号
SUPPLIER NO: YJF01.085.029.304A

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		
 ChenGuoqiang	CHECK XieLi	DESIGN ChenXingyi

YJ-RD-F04-A



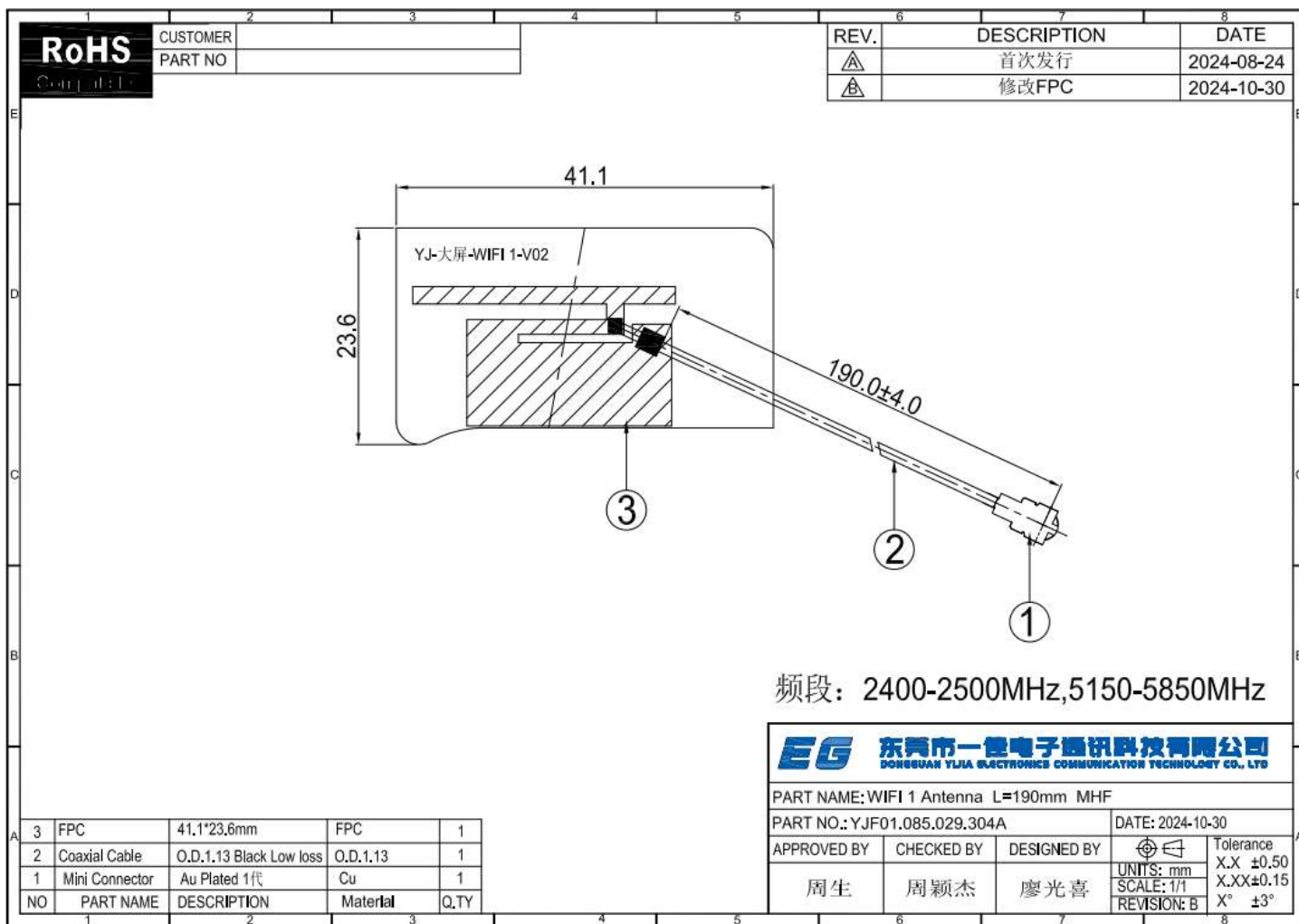


承认书项目表

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天线规格
Antenna Specification

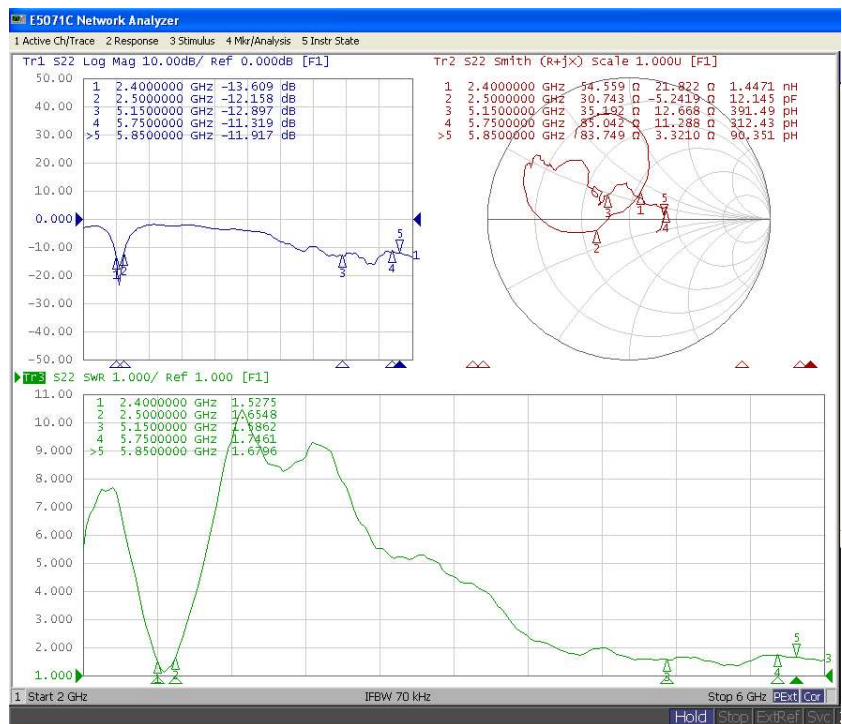
Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	4.9 dBi@2.4-2.5GHz 4.5 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm低损耗
Cable Length	190mm
Cable Color	Black
Operating Temp.	-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

Agilent E5071C S Parameter Test // WiFi1 Antenna

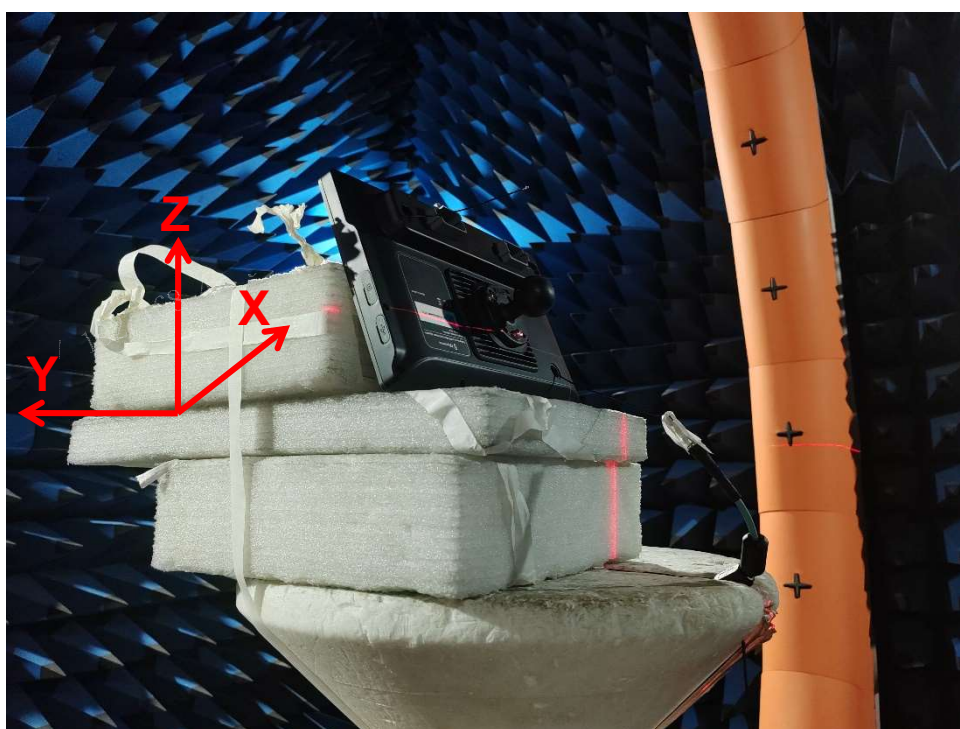
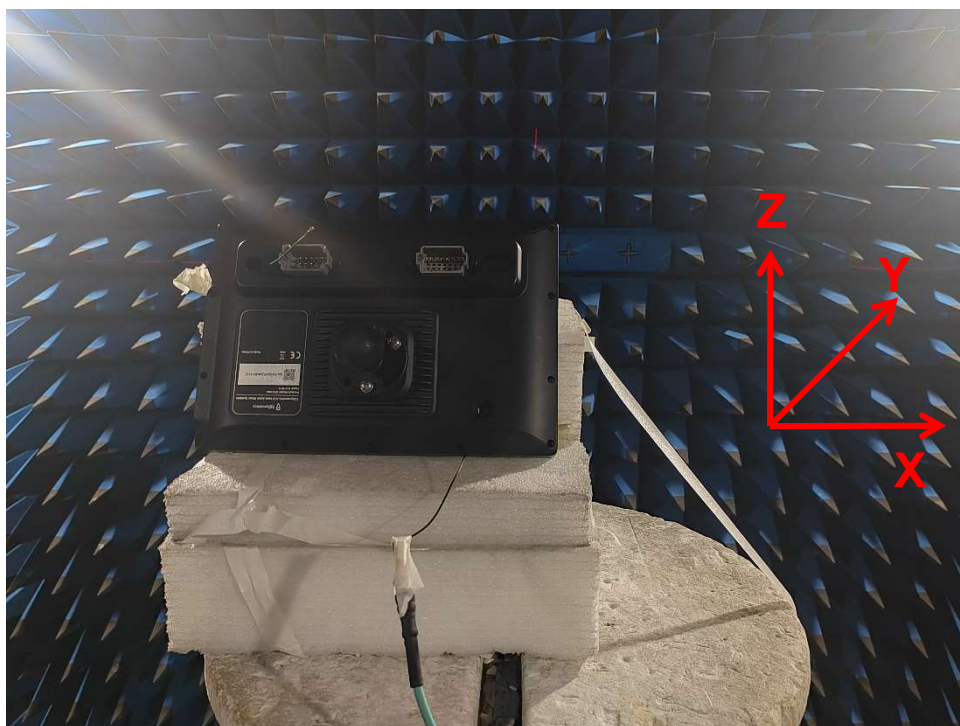


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No.59 Muyu Road, Shatou Community, Chang 'an Town, Dongguan City



东莞市一佳电子通讯科技有限公司
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Antenna Passive Test



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Passive Test For WiFi1 Antenna(2.4G)			
Freq (MHz)	Effi (%)	(dB)	Gain (dBi)
2400	37.3	-4.3	4.2
2410	39.6	-4.0	4.4
2420	41.3	-3.8	4.6
2430	42.4	-3.7	4.7
2440	41.8	-3.8	4.5
2450	44.4	-3.5	4.9
2460	43.6	-3.6	4.6
2470	45.4	-3.4	4.8
2480	43.8	-3.6	4.6
2490	43.1	-3.7	4.6
2500	40.1	-4.0	4.3





Passive Test For WiFi1 Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	47.4	-3.2	3.1
5170	49.4	-3.1	2.8
5190	54.2	-2.7	3.1
5210	52.5	-2.8	2.9
5230	50.2	-3.0	2.7
5250	48.6	-3.1	2.7
5270	46.0	-3.4	2.8
5290	47.4	-3.2	3.1
5310	44.9	-3.5	2.9
5330	44.4	-3.5	2.9
5350	42.8	-3.7	2.7
5370	44.8	-3.5	3.1
5390	47.1	-3.3	3.6
5410	52.4	-2.8	4.1
5430	52.5	-2.8	4.2
5450	54.1	-2.7	4.2
5470	49.8	-3.0	3.8
5490	50.1	-3.0	4.1





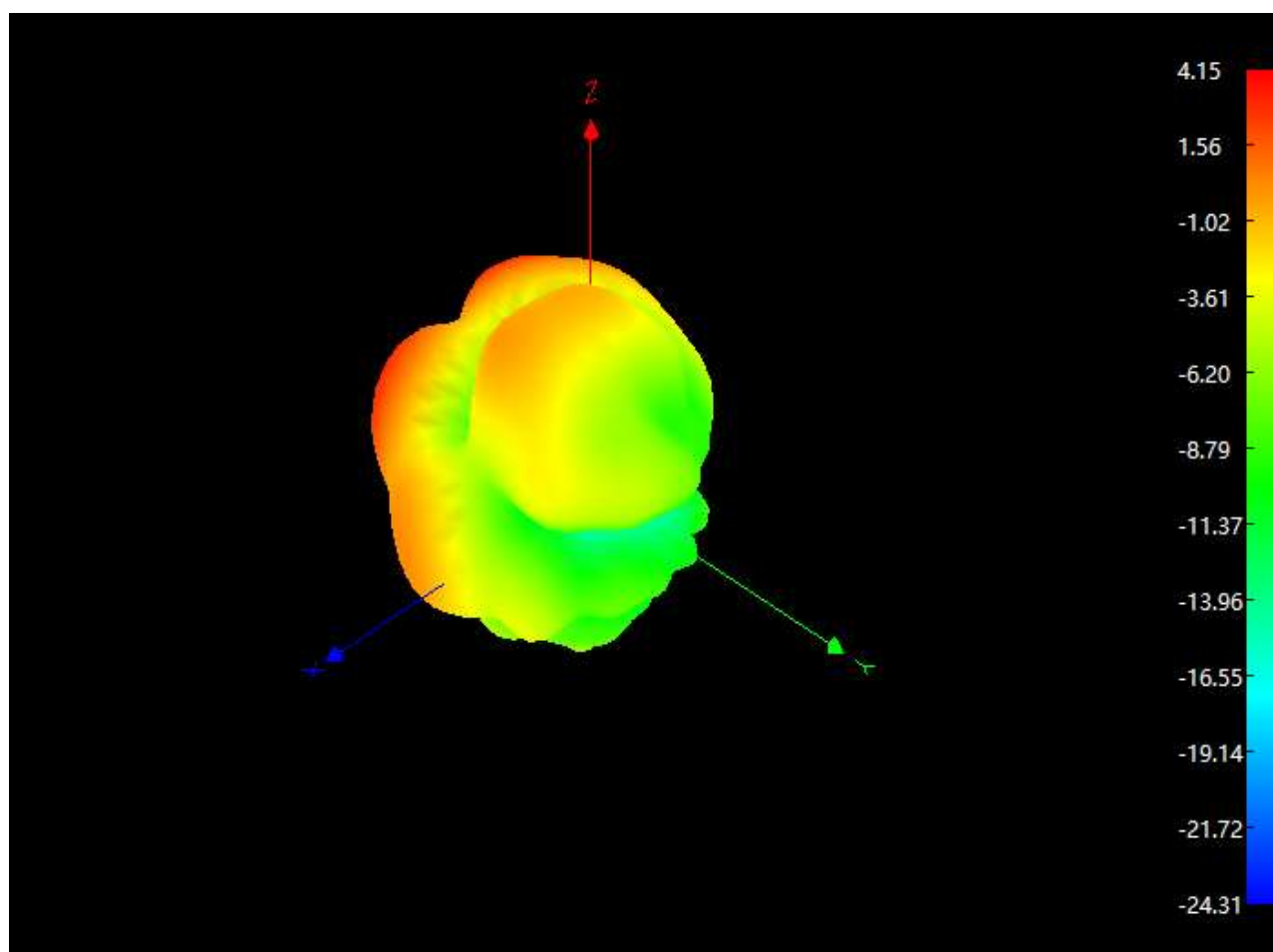
Passive Test For WiFi1 Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5510	47.9	-3.2	4.1
5530	51.6	-2.9	4.5
5550	53.0	-2.8	4.5
5570	53.3	-2.7	4.3
5590	50.9	-2.9	3.8
5610	47.4	-3.2	3.3
5630	47.5	-3.2	3.5
5650	43.2	-3.7	3.3
5670	43.9	-3.6	3.5
5690	39.5	-4.0	3.0
5710	40.1	-4.0	3.1
5730	37.4	-4.3	2.8
5750	38.3	-4.2	2.6
5770	37.8	-4.2	2.6
5790	38.6	-4.1	2.9
5810	38.6	-4.1	3.2
5830	40.7	-3.9	3.9
5850	40.8	-3.9	4.2



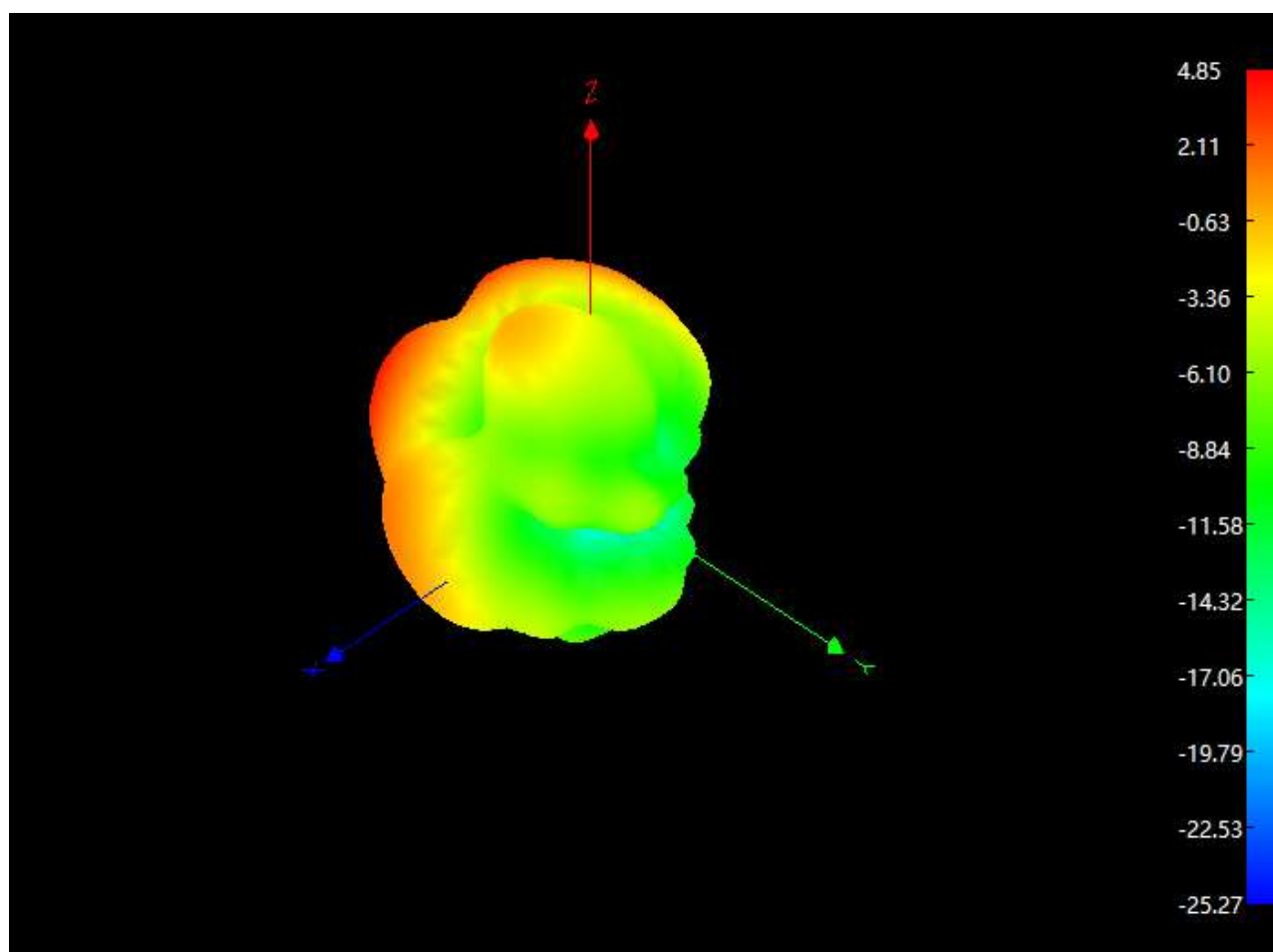


Radiation Pattern For WiFi1 Antenna (2400MHz)



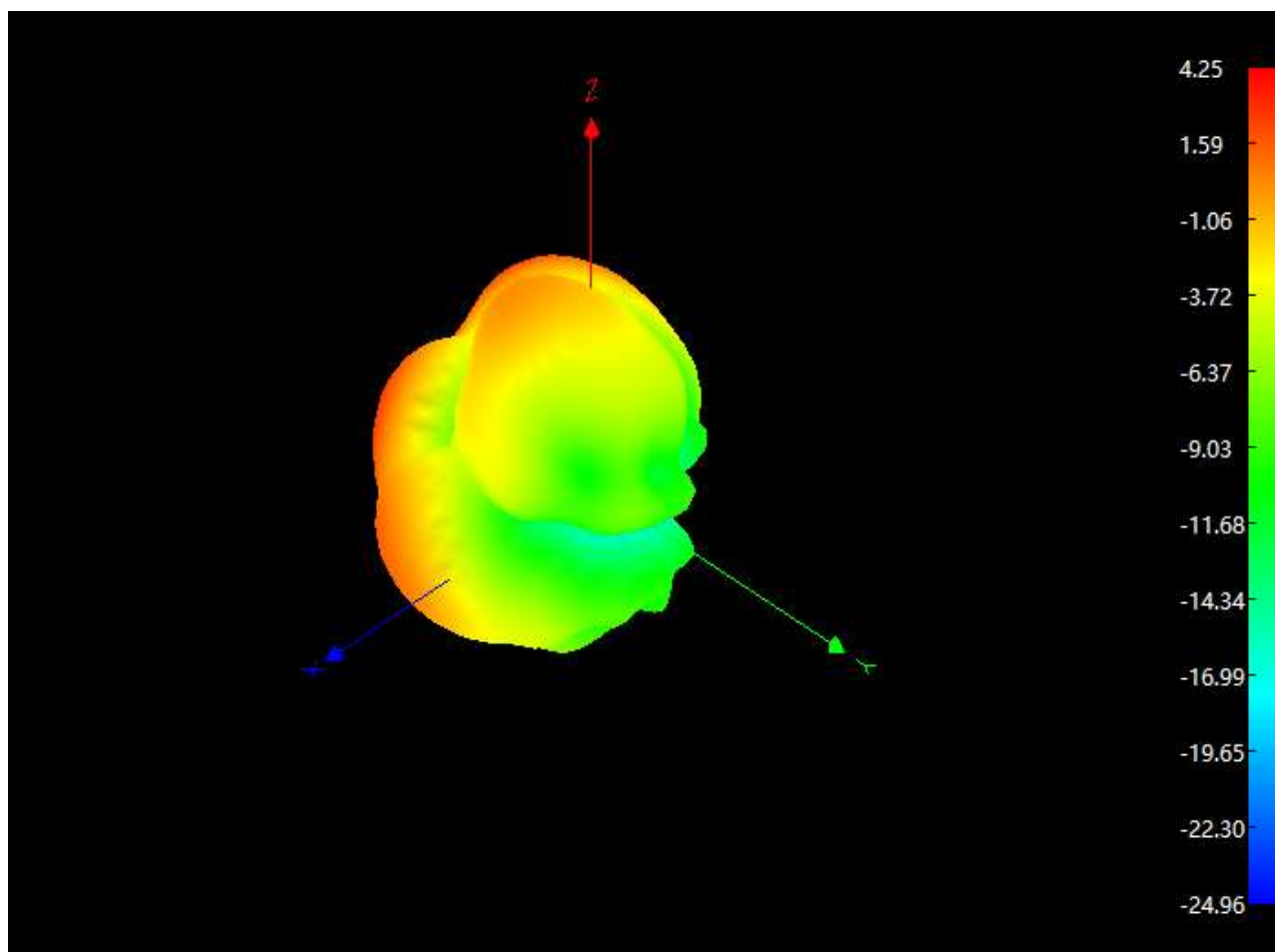


Radiation Pattern For WiFi1 Antenna (2450MHz)



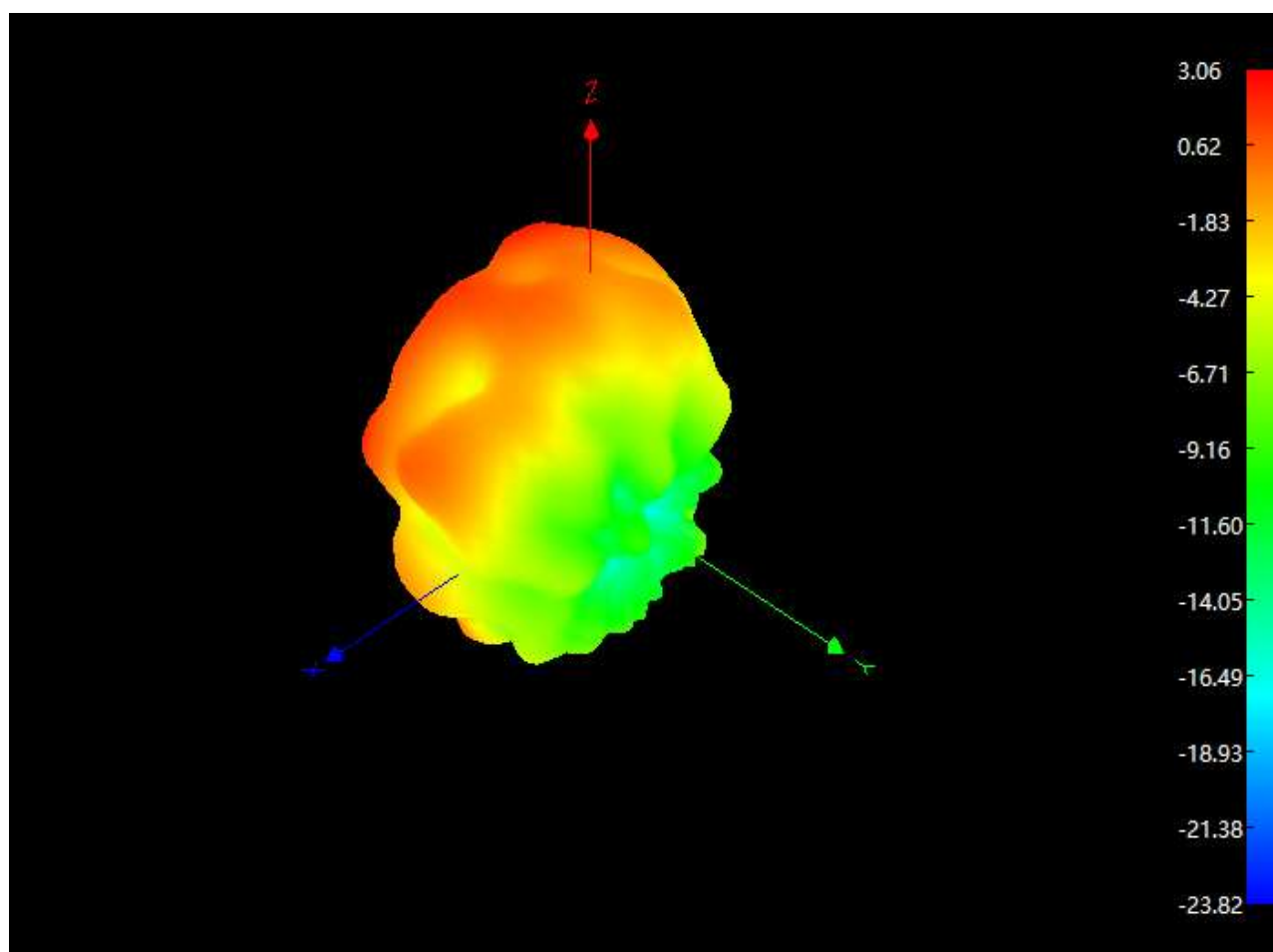


Radiation Pattern For WiFi1 Antenna (2500MHz)



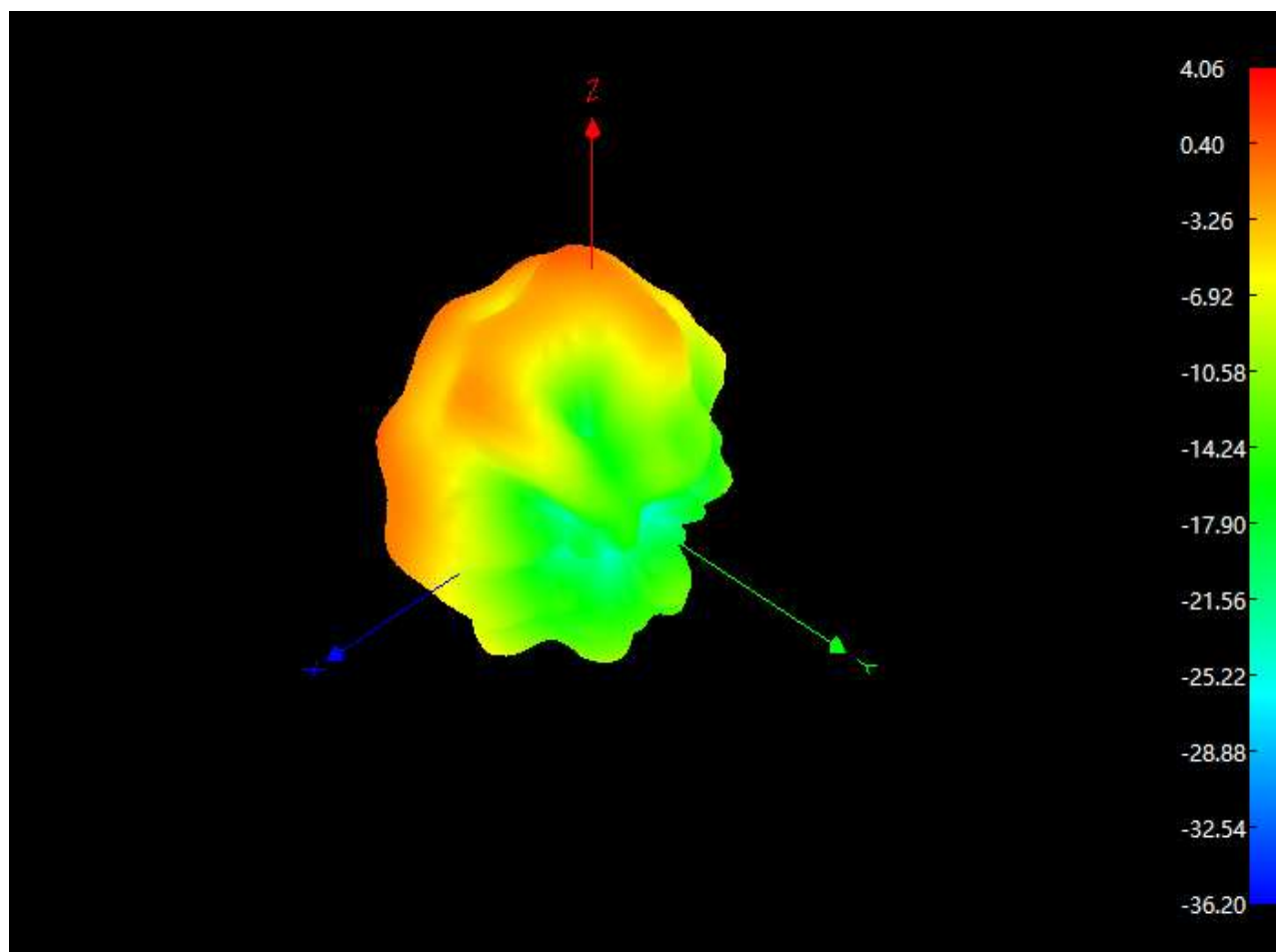


Radiation Pattern For WiFi1 Antenna (5150MHz)



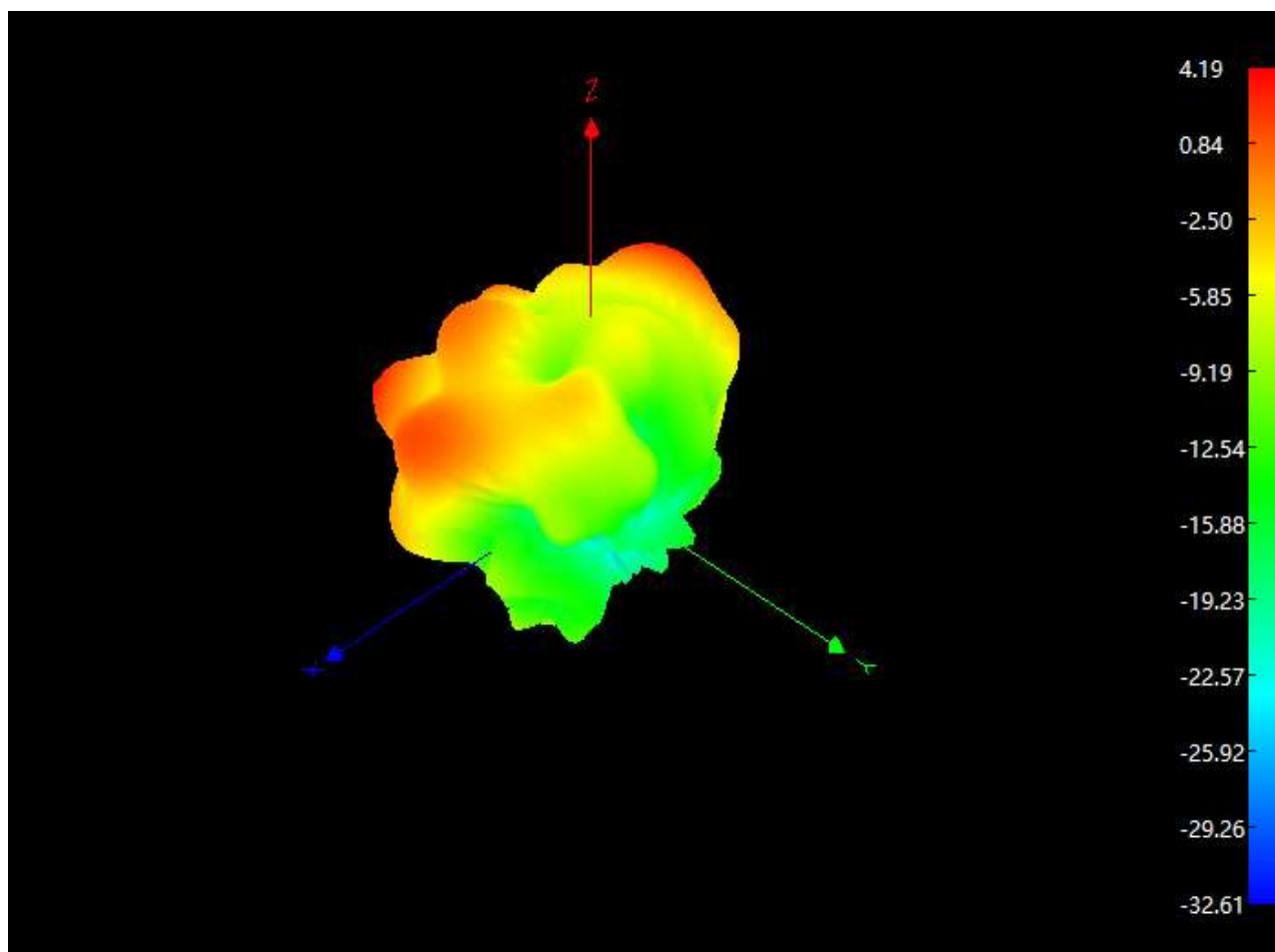


Radiation Pattern For WiFi1 Antenna (5510MHz)





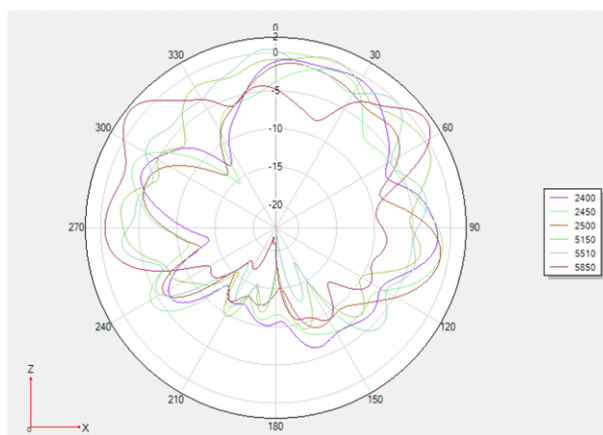
Radiation Pattern For WiFi1 Antenna (5850MHz)



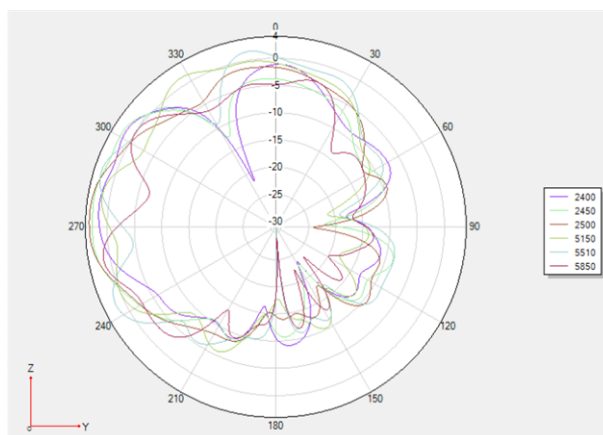


Radiation Pattern For WiFi1 Antenna

Phi 0°



Phi 90°



Theta 90°

