



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2024/12/11
编号 File No	24121101
版本 Revision	1.0

客 户
CUSTOMER:

客户料号
CUSTOMER NO:

MPD-Q005

品 名
PART NAME:

WIFI Antenna L=45mm MHF

供方料号
SUPPLIER NO:

YJS01.005.071.301

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

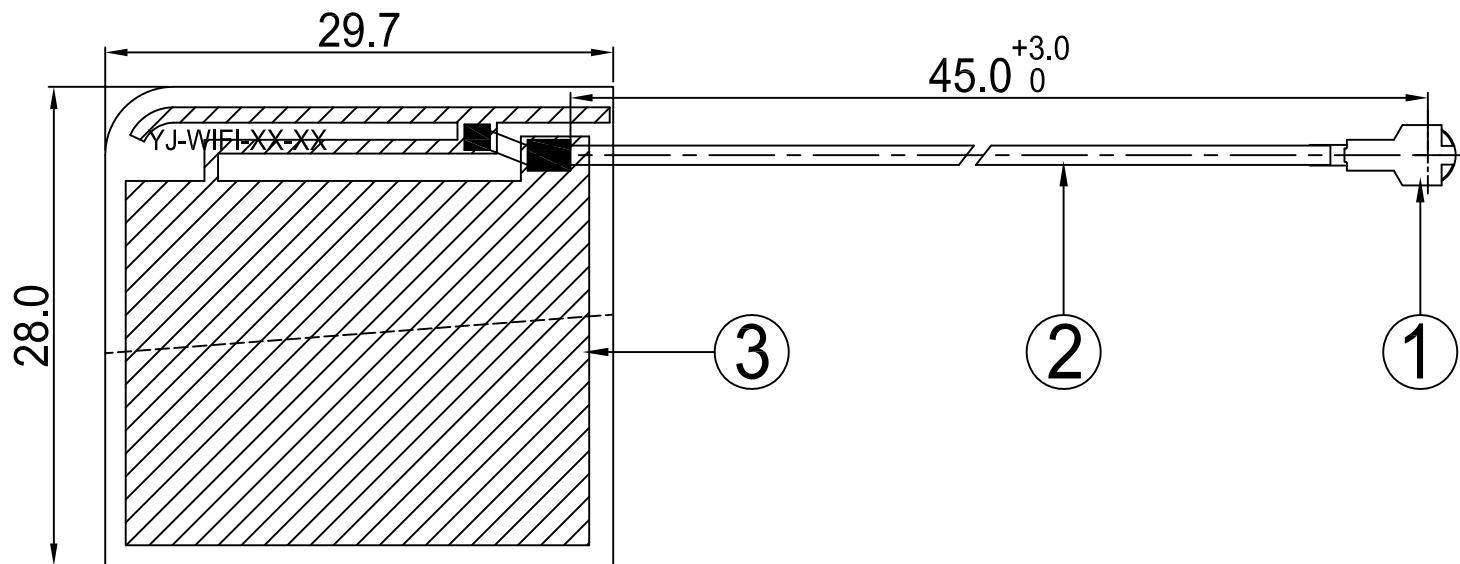
供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A



RoHS
Compatible

CUSTOMER	
PART NO	



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=45mm MHF

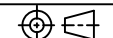
PART NO.: YJS01.005.071.301

DATE: 2024-12-03

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

CICI

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: D

X° ±3°



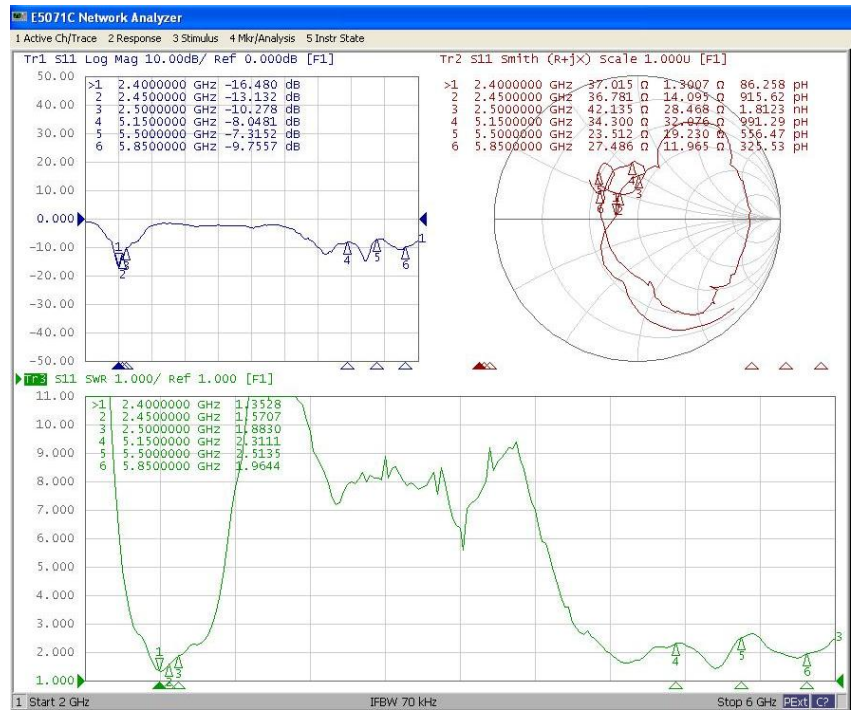
天线规格
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max@2.4-2.5GHz 3.0 Max@5.15-5.85GHz
Gain	2.1 dBi@2.4-2.5GHz 4.4 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	4 IPEX
Cable Type	O.D.0.81mm
Cable Length	45mm
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 //
WiFi
Antenna*





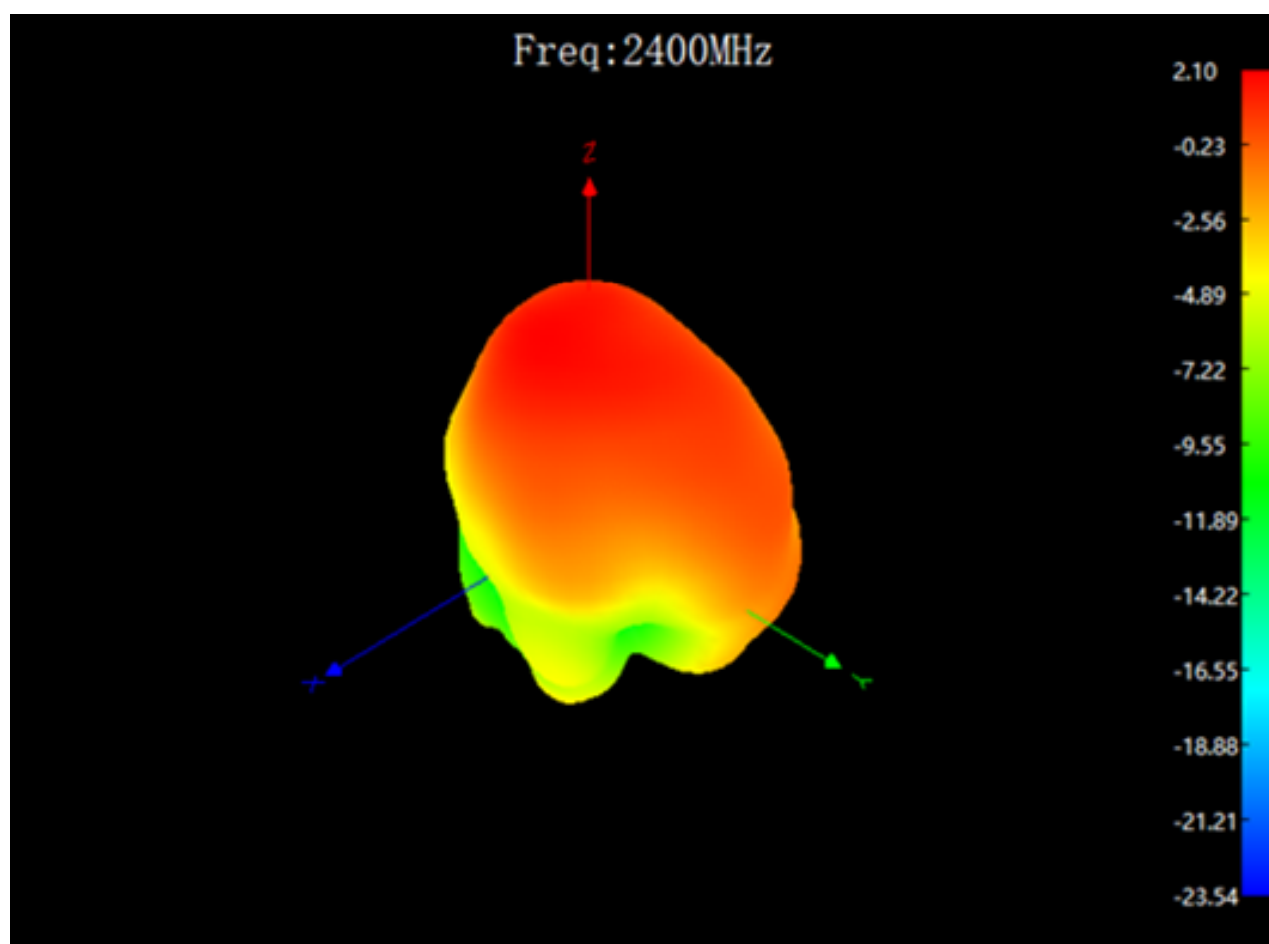
Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	30.5	-5.2	2.1
2410	30.3	-5.2	2.1
2420	30.2	-5.2	2.1
2430	29.3	-5.3	1.8
2440	28.6	-5.4	1.7
2450	28.1	-5.5	1.7
2460	27.7	-5.6	1.7
2470	28.3	-5.5	1.9
2480	29.2	-5.3	2.0
2490	29.3	-5.3	2.0
2500	30.0	-5.2	1.9



Passive Test For WiFi Antenna(5.8G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	35.9	-4.5	2.2
5200	35.8	-4.5	2.3
5250	36.1	-4.4	1.7
5300	34.1	-4.7	1.2
5350	35.2	-4.5	1.4
5400	35.7	-4.5	2.2
5450	34.9	-4.6	2.4
5500	31.6	-5.0	2.2
5550	36.3	-4.4	2.3
5600	39.9	-4.0	3.0
5650	41.4	-3.8	4.4
5700	42.3	-3.7	3.4
5750	46.3	-3.3	3.8
5800	44.3	-3.5	3.4
5850	43.8	-3.6	3.7

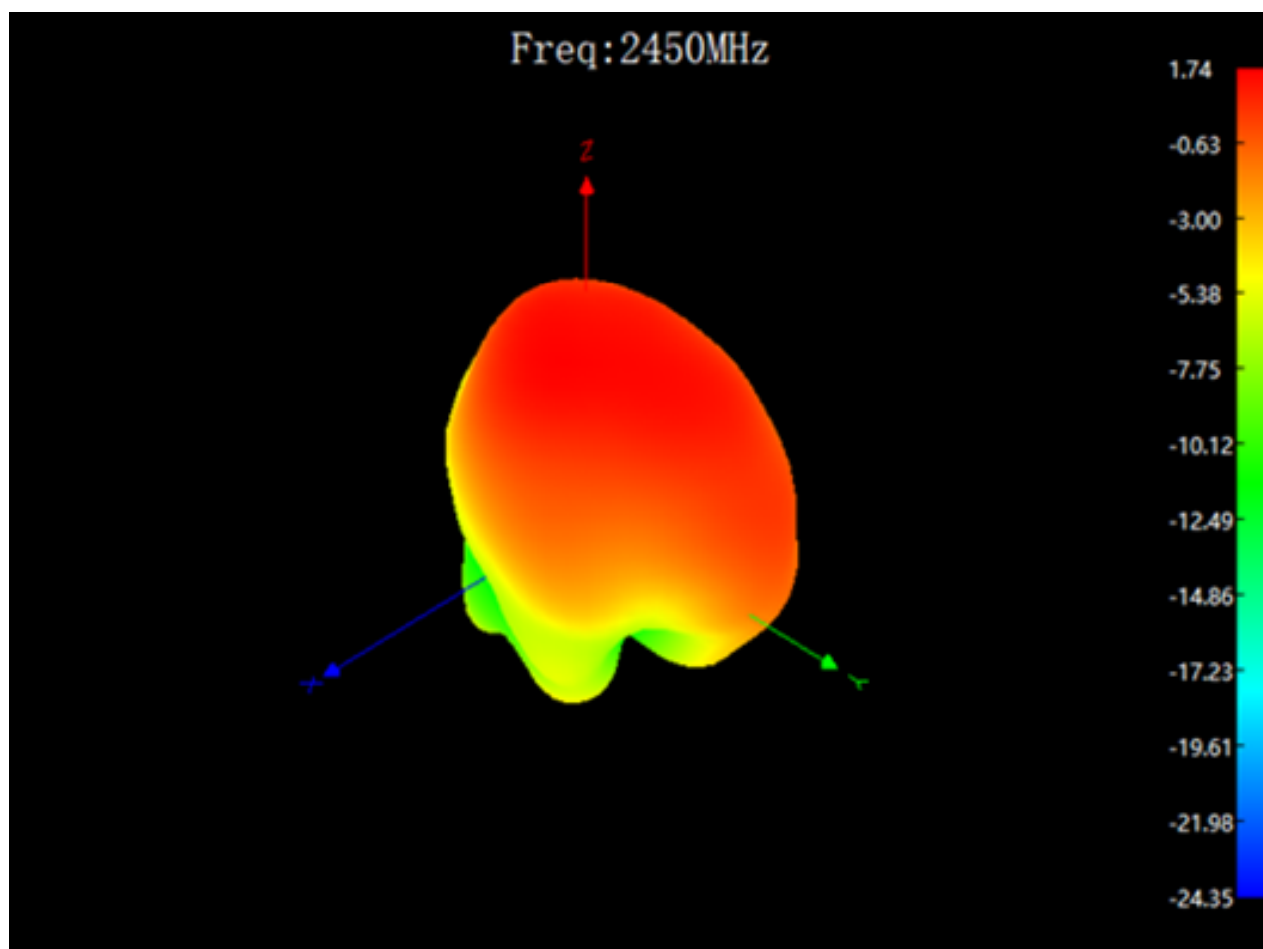


Radiation Pattern For WiFi Antenna (2400MHz)



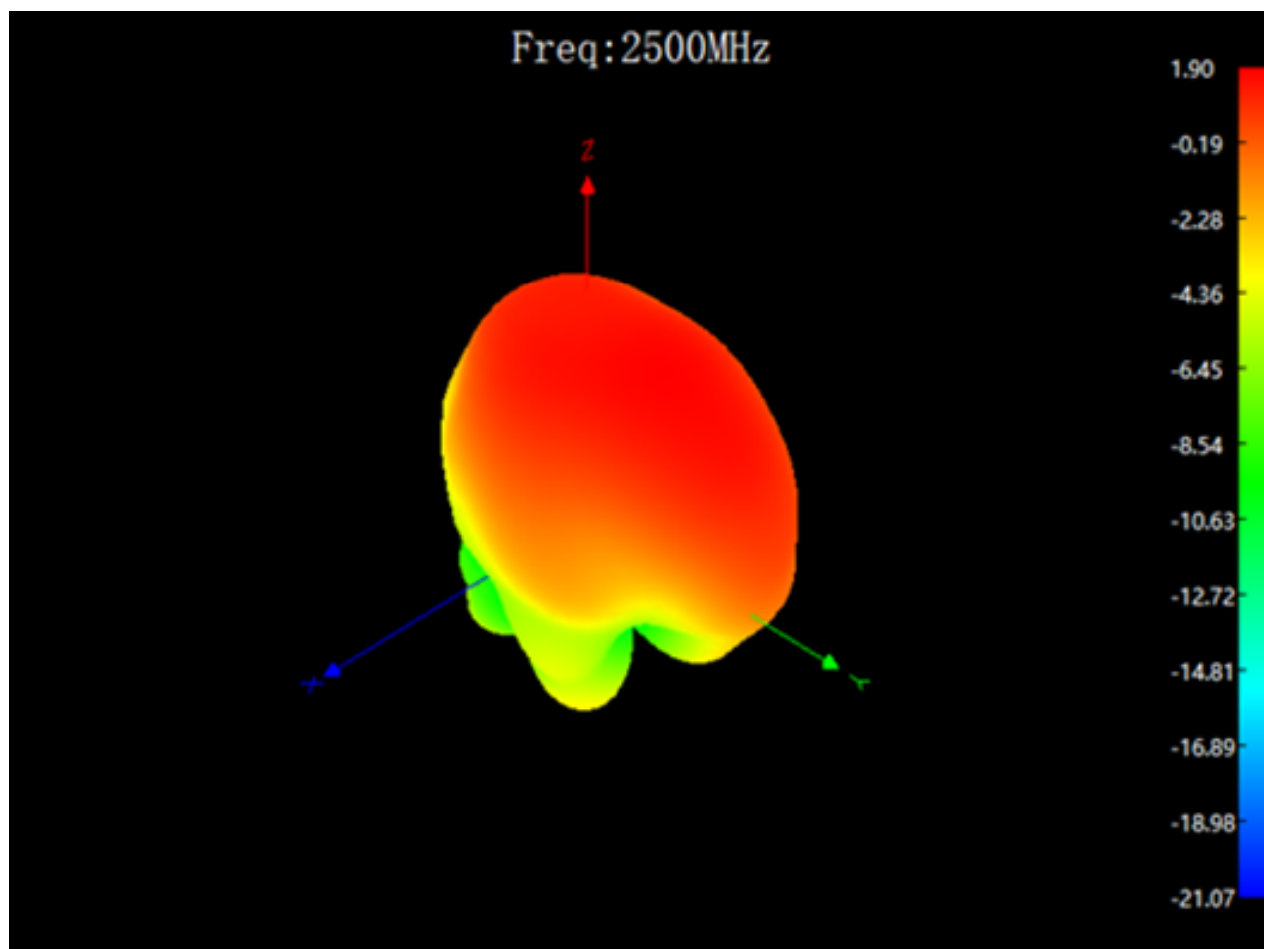


Radiation Pattern For WiFi Antenna (2450MHz)





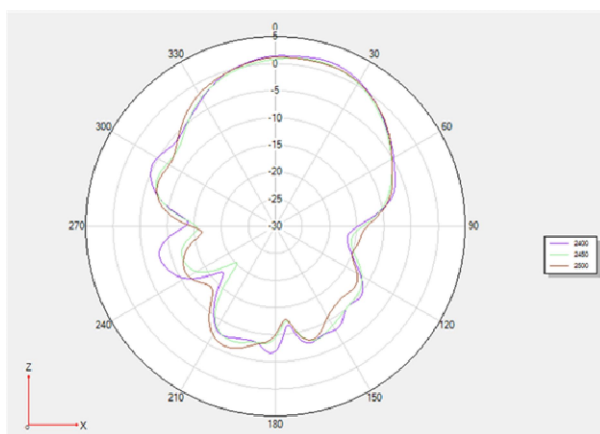
Radiation Pattern For WiFi Antenna (2500MHz)



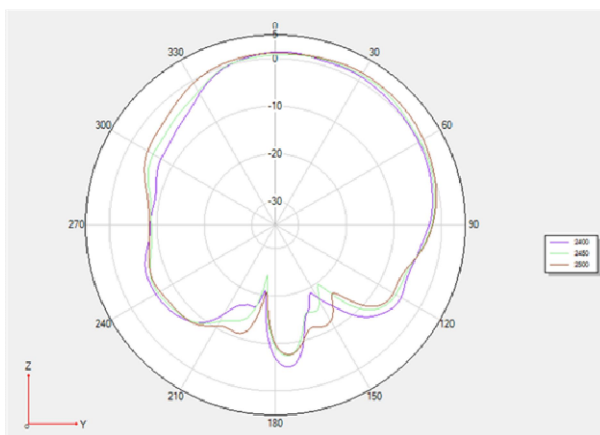


Radiation Pattern For WiFi Antenna

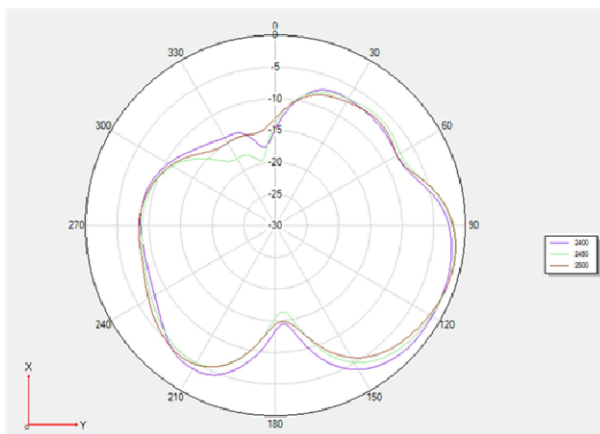
Phi 0°



Phi 90°

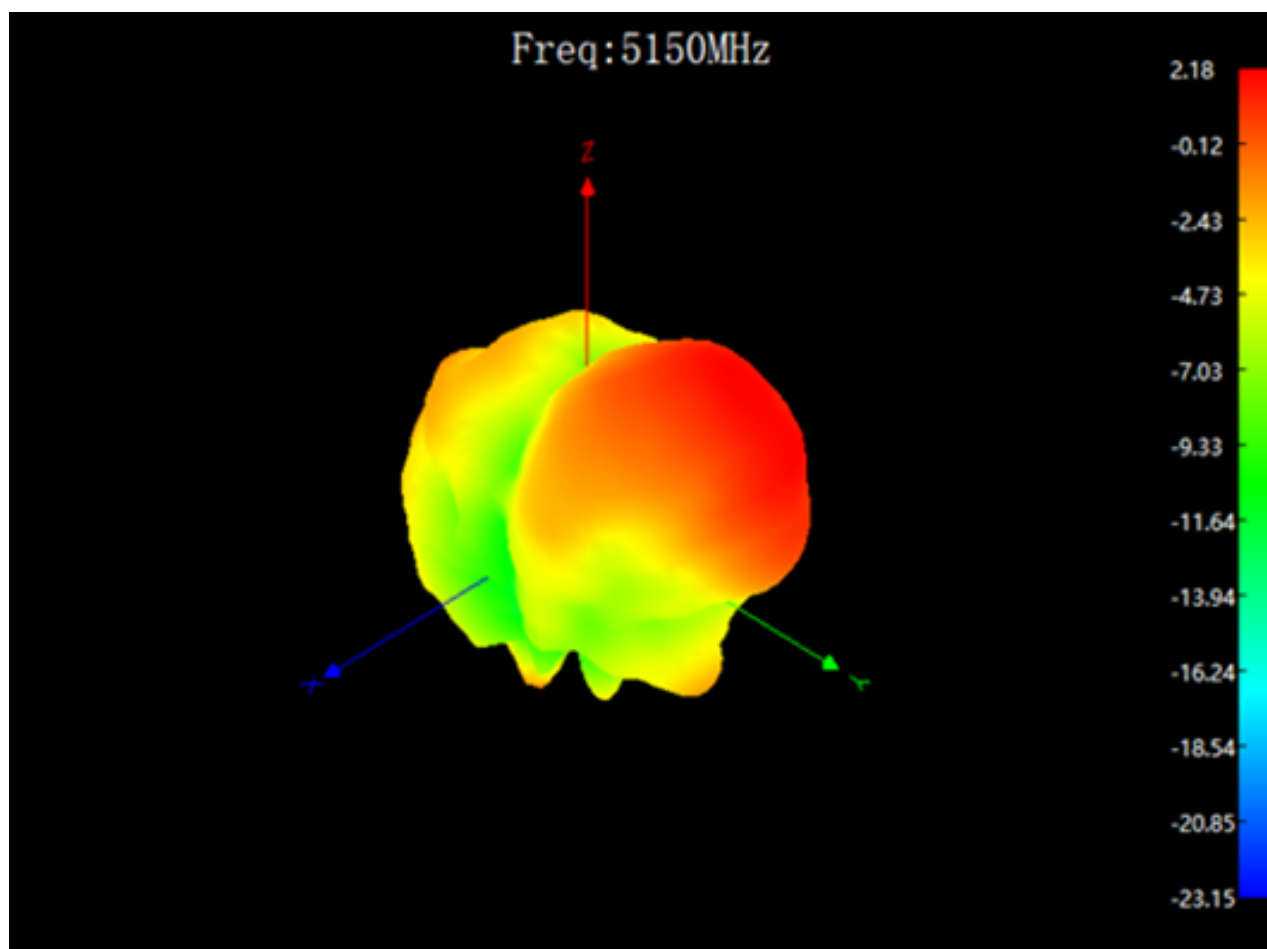


Theta 90°



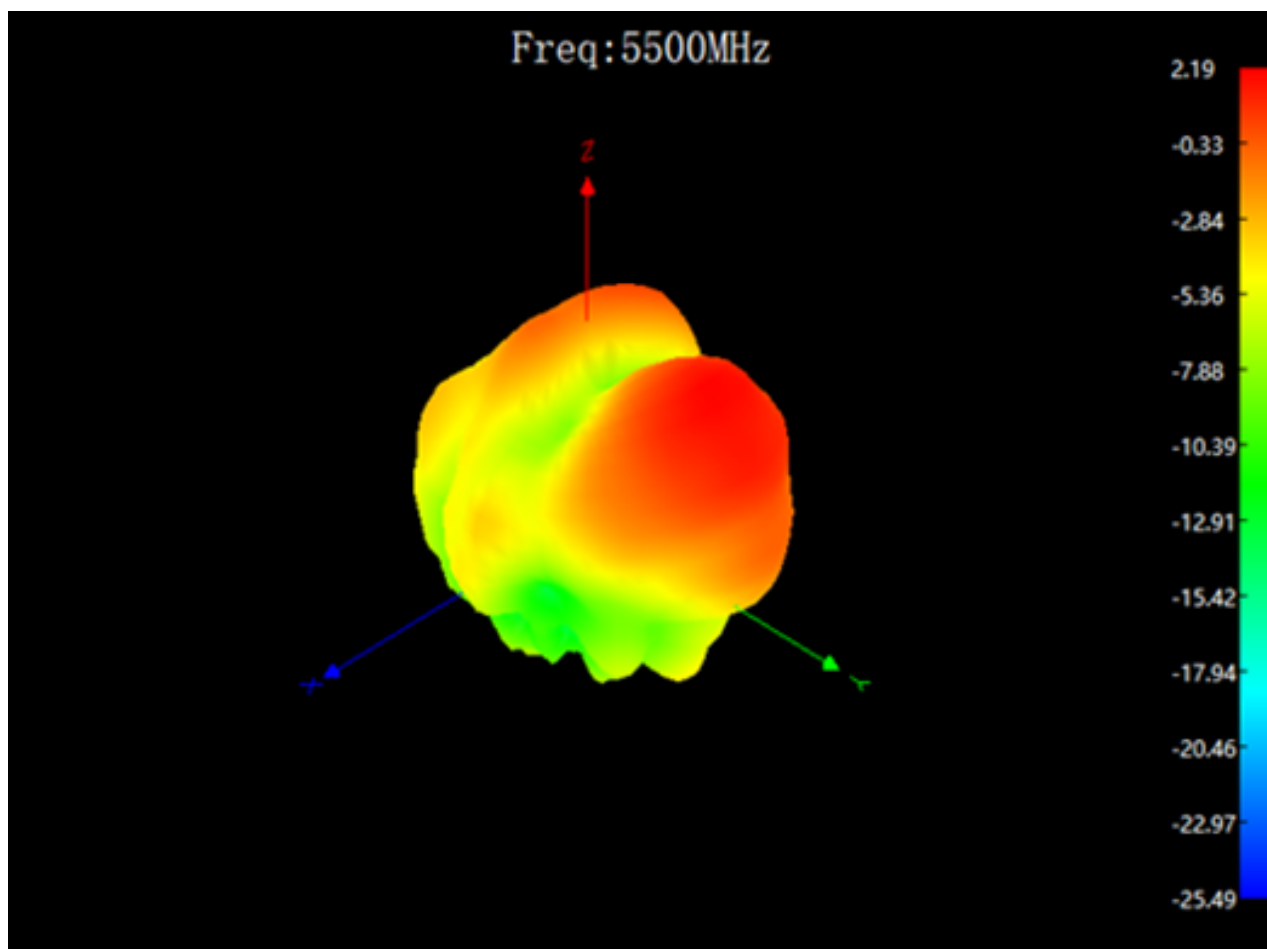


Radiation Pattern For WiFi Antenna (5150MHz)



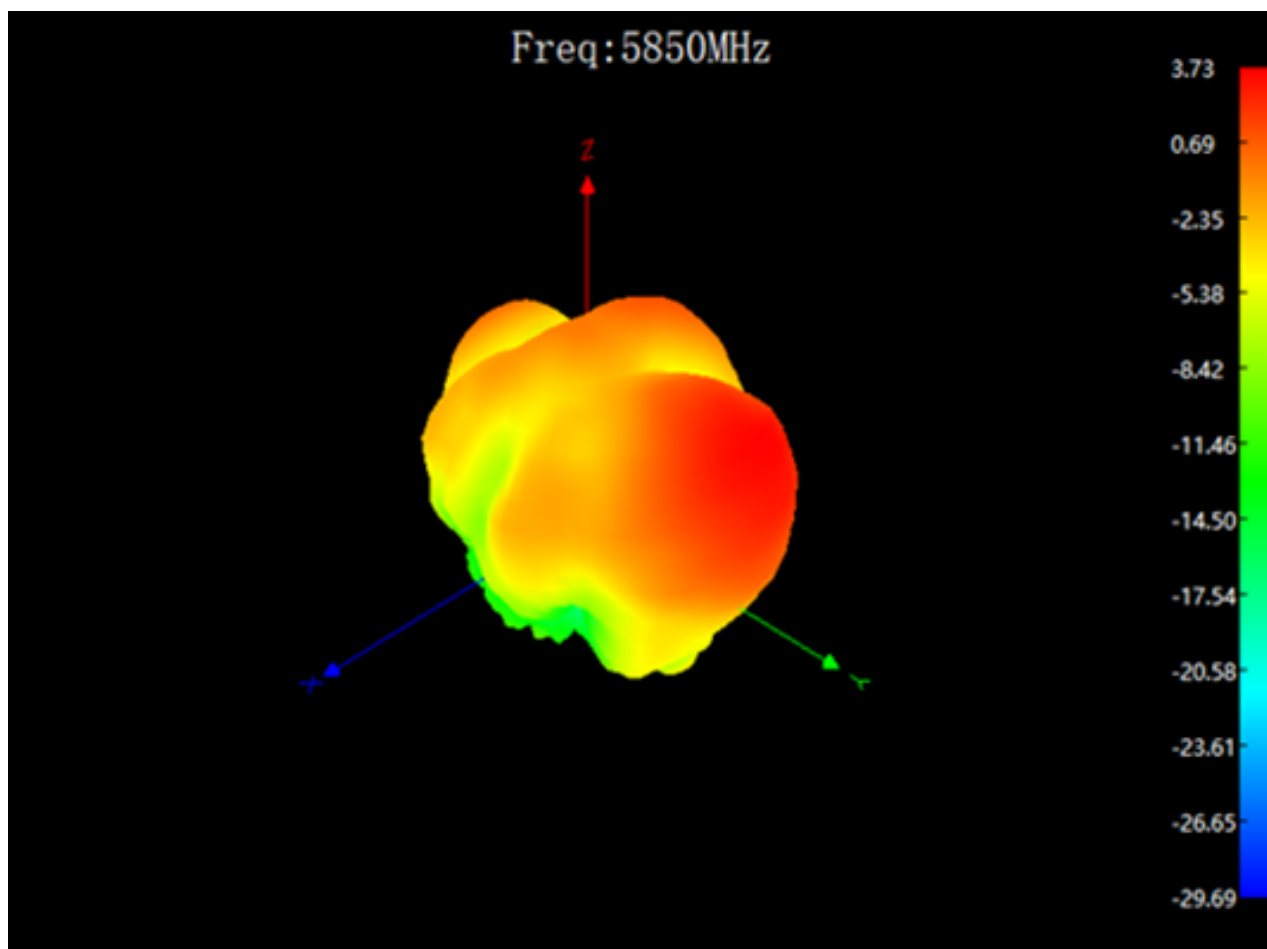


Radiation Pattern For WiFi Antenna (5500MHz)





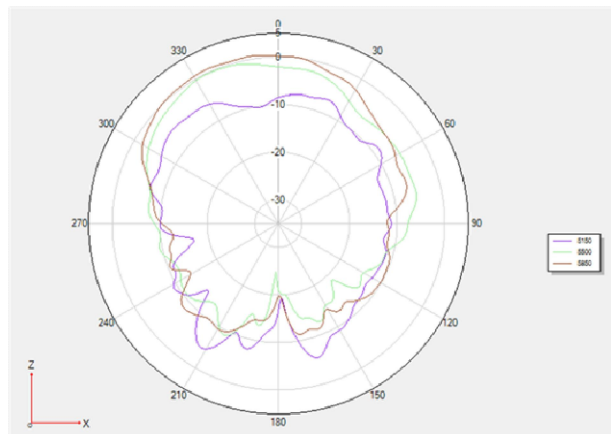
Radiation Pattern For WiFi Antenna (5850MHz)



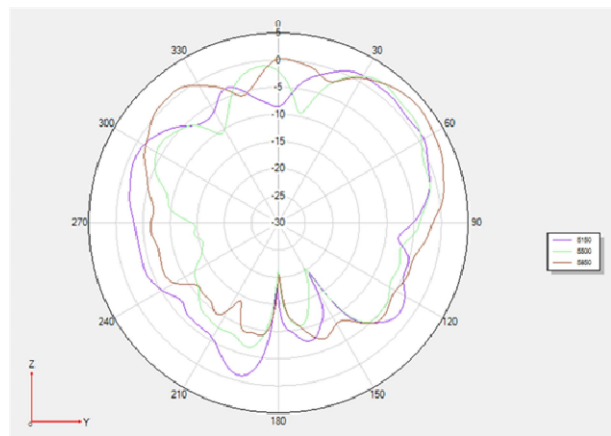


Radiation Pattern For WiFi Antenna

Phi 0°



Phi 90°



Theta 90°

