



东莞市一佳电子通讯科技有限公司

DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

No. 3 Building, 59 Muyu Road, Chang'an Town, Dongguan City,

Guangdong Province

规格承认书

SPECIFICATION FOR APPROVAL

日期
Date 2026/05/11

编号
File No 26051101

版本
Revision 1.0

客 户
CUSTOMER:

方位

客户料号

CUSTOMER NO:

LEADA100075A0

品 名

PART NAME:

WIFI Antenna

供方料号

SUPPLIER NO:

YJL01.106.088.301A

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

ZhangLiqun

LiaoGuangxi

YJ-RD-F04-A



东莞市长安镇沙头社区木鱼路59号 Tel:0769-82586086 Fax:0769-82586086



承认书项目表

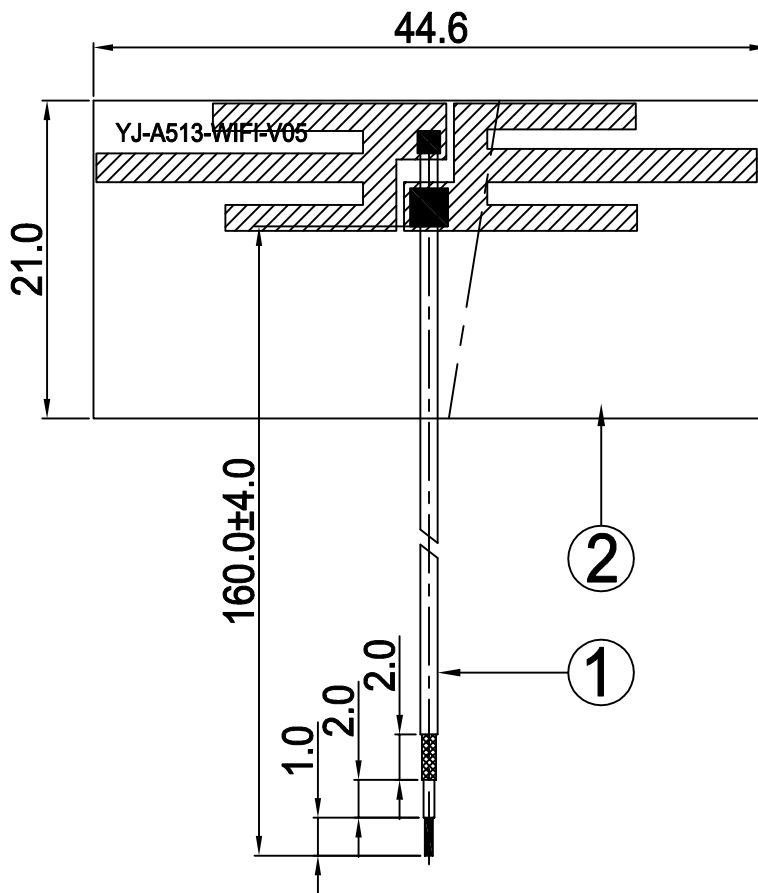
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13	-	-	-



RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
A	首次发行	2025-11-24
B	修改FPC及线材	2026-01-06
C	修改FPC,线长,线材,去掉端子	2026-03-31



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=160mm

PART NO.: YJL01.106.088.301A

DATE: 2026-03-31

APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
何清军	周颖杰	廖光喜	UNITS: mm	X.X ±0.50
			SCALE: 1/1	X.XX±0.15
			REVISION: C	X° ±3°

2	FPC	44.6*21.0mm	FPC	1
1	Coaxial Cable	O.D.1.13 Black Low loss	O.D.1.13	1
NO	PART NAME	DESCRIPTION	Material	Q.TY



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	4.1 dBi@2.4-2.5GHz 4.7 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear

Physical Properties

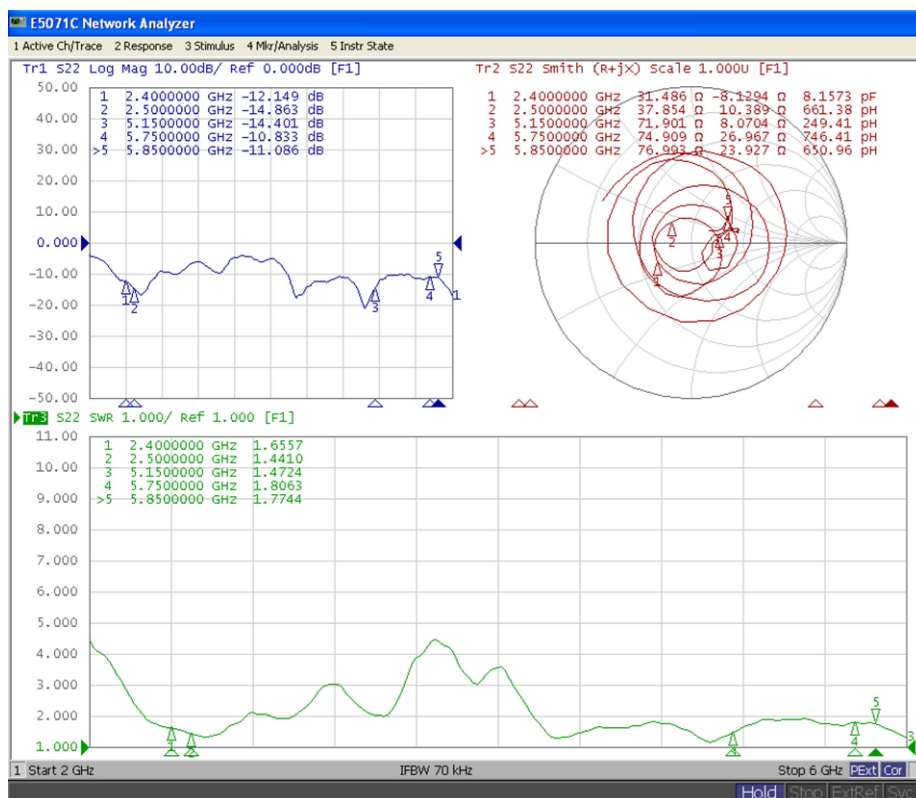
Connector	None
Cable Type	O.D.1.13 Low loss
Cable Length	160mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





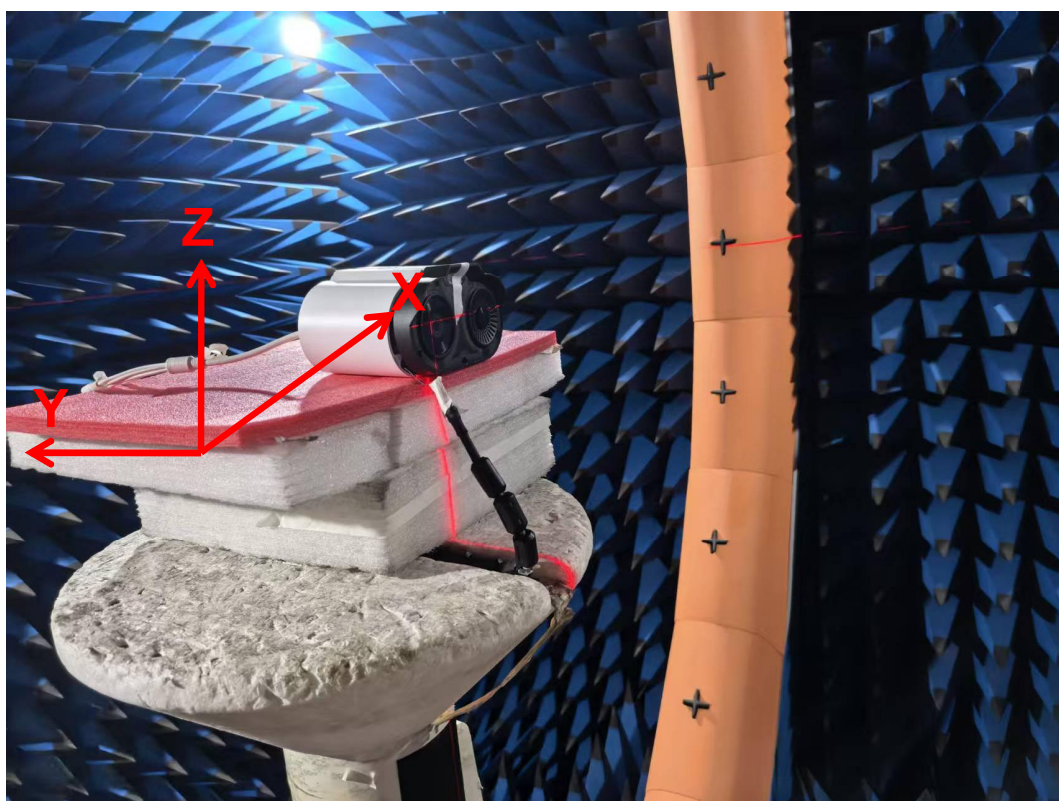
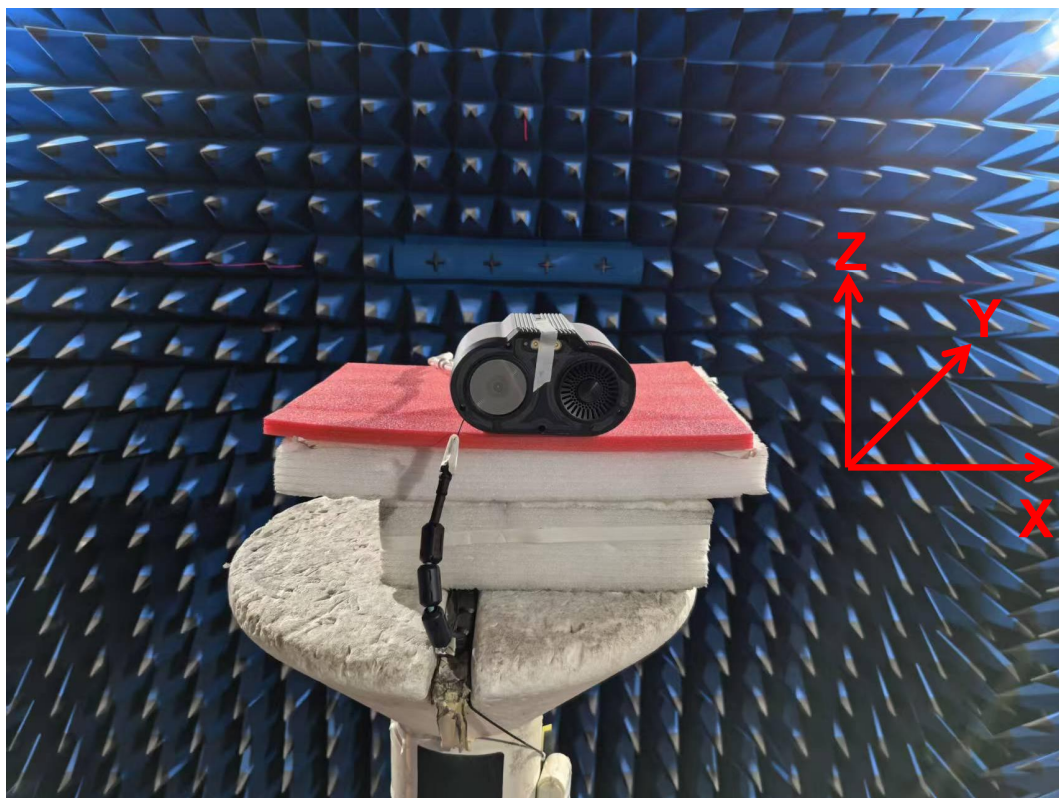
Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
WiFi
Antenna*





Antenna Passive Test





Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	61.5	-2.1	3.7
2410	61.2	-2.1	3.6
2420	59.6	-2.3	3.4
2430	59.6	-2.3	3.6
2440	59.8	-2.2	3.7
2450	62.1	-2.1	4.0
2460	59.7	-2.2	3.9
2470	62.1	-2.1	4.1
2480	60.7	-2.2	3.9
2490	61.4	-2.1	4.0
2500	57.4	-2.4	3.6





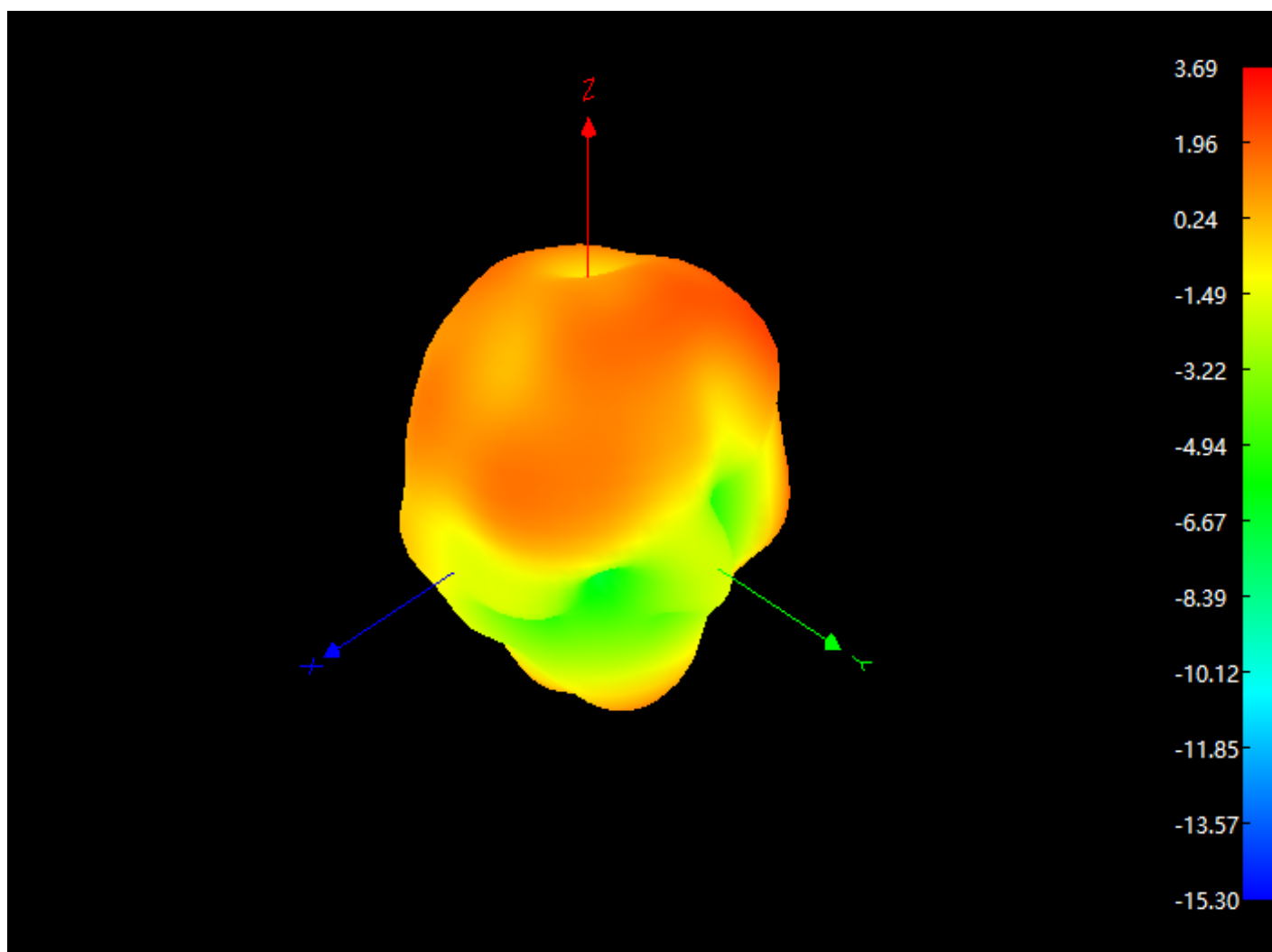
Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	50.6	-3.0	4.1
5200	53.5	-2.7	4.7
5250	50.1	-3.0	4.6
5300	46.8	-3.3	4.0
5350	44.6	-3.5	3.5
5400	49.0	-3.1	3.7
5450	45.9	-3.4	3.2
5500	43.6	-3.6	2.8
5550	48.3	-3.2	2.9
5600	49.3	-3.1	2.7
5650	46.7	-3.3	2.4
5700	48.1	-3.2	2.7
5750	48.0	-3.2	2.4
5800	43.4	-3.6	2.2
5850	44.9	-3.5	2.4



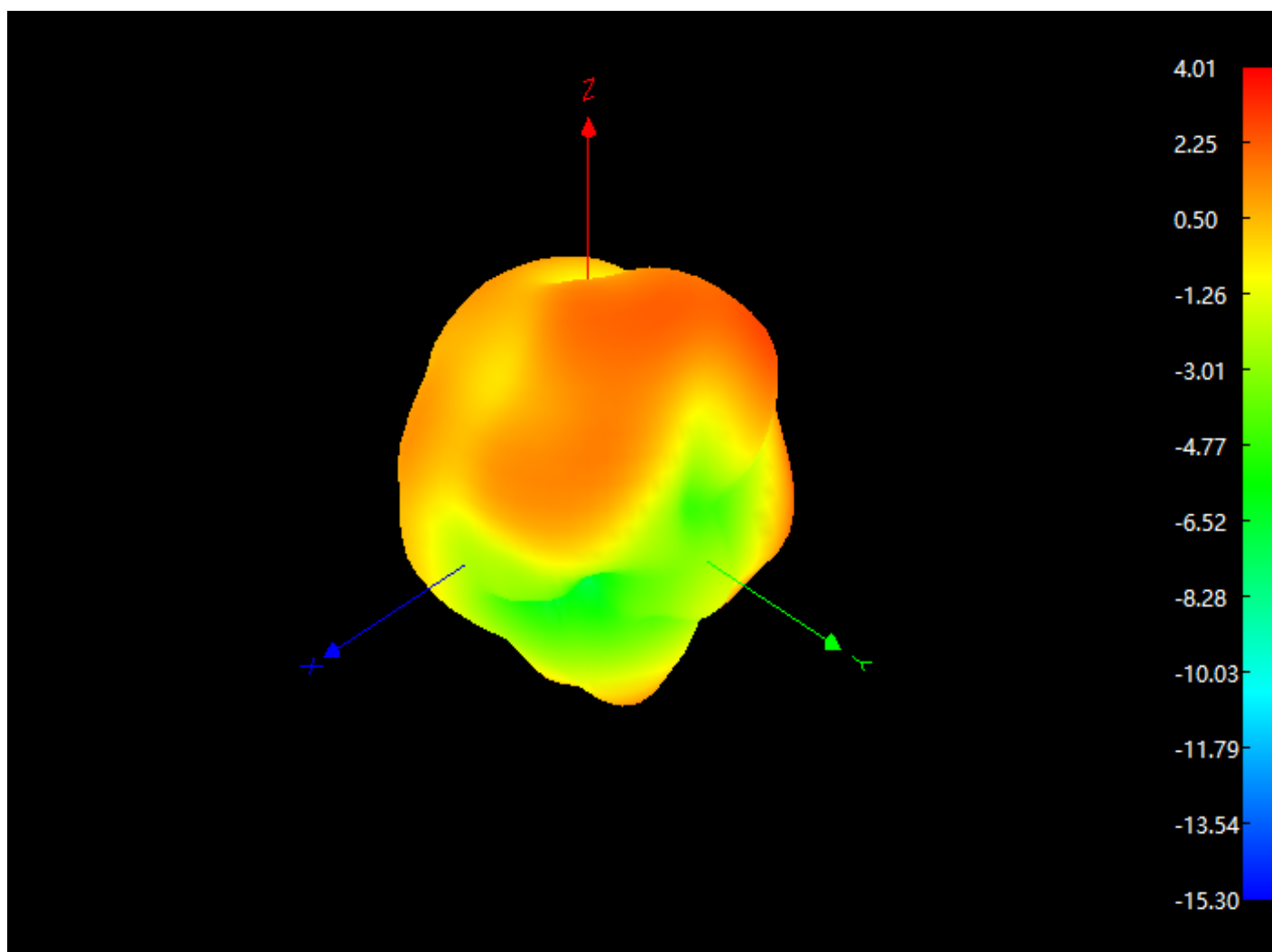


Radiation Pattern For WiFi Antenna (2400MHz)



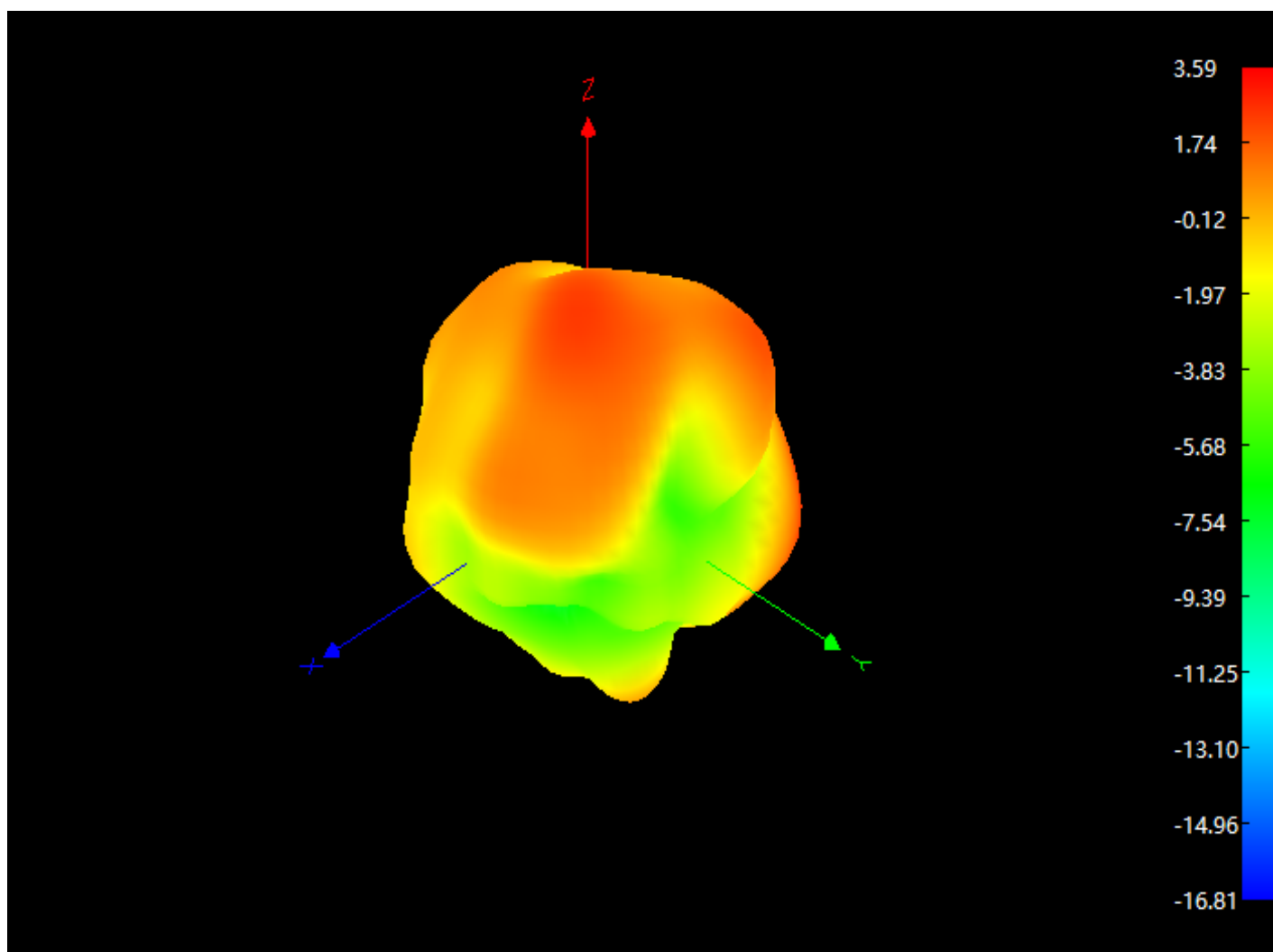


Radiation Pattern For WiFi Antenna (2450MHz)



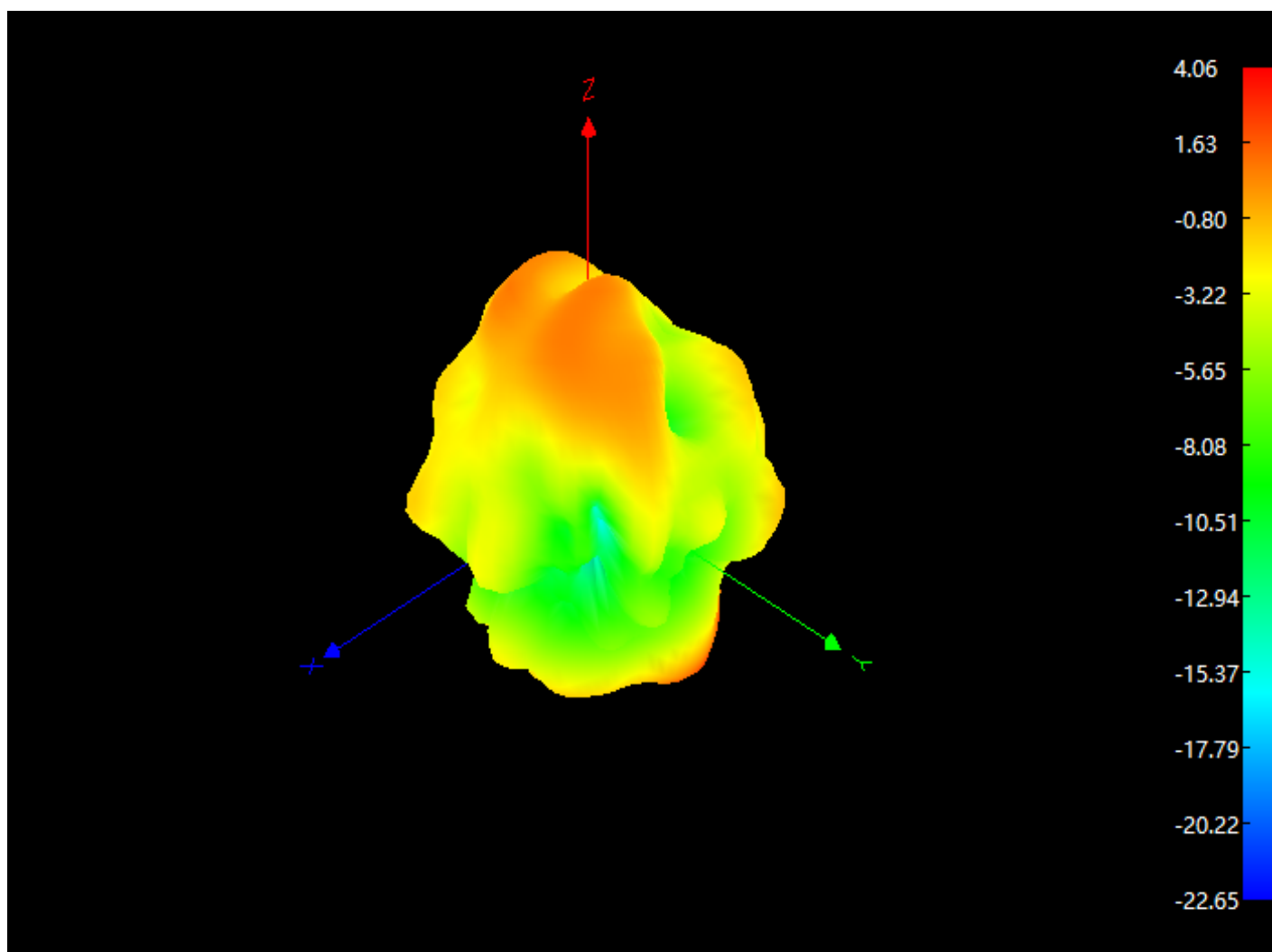


Radiation Pattern For WiFi Antenna (2500MHz)



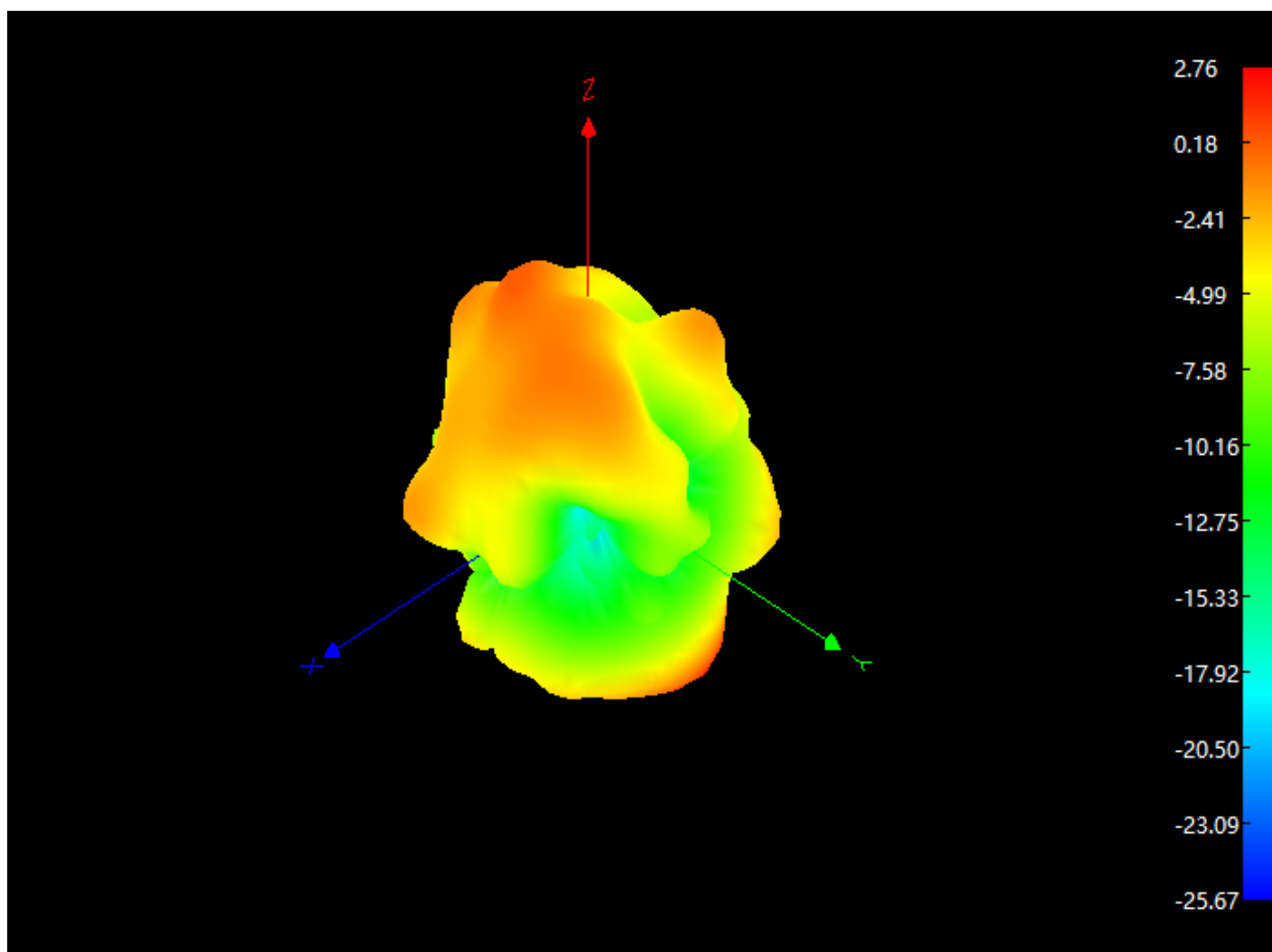


Radiation Pattern For WiFi Antenna (5150MHz)



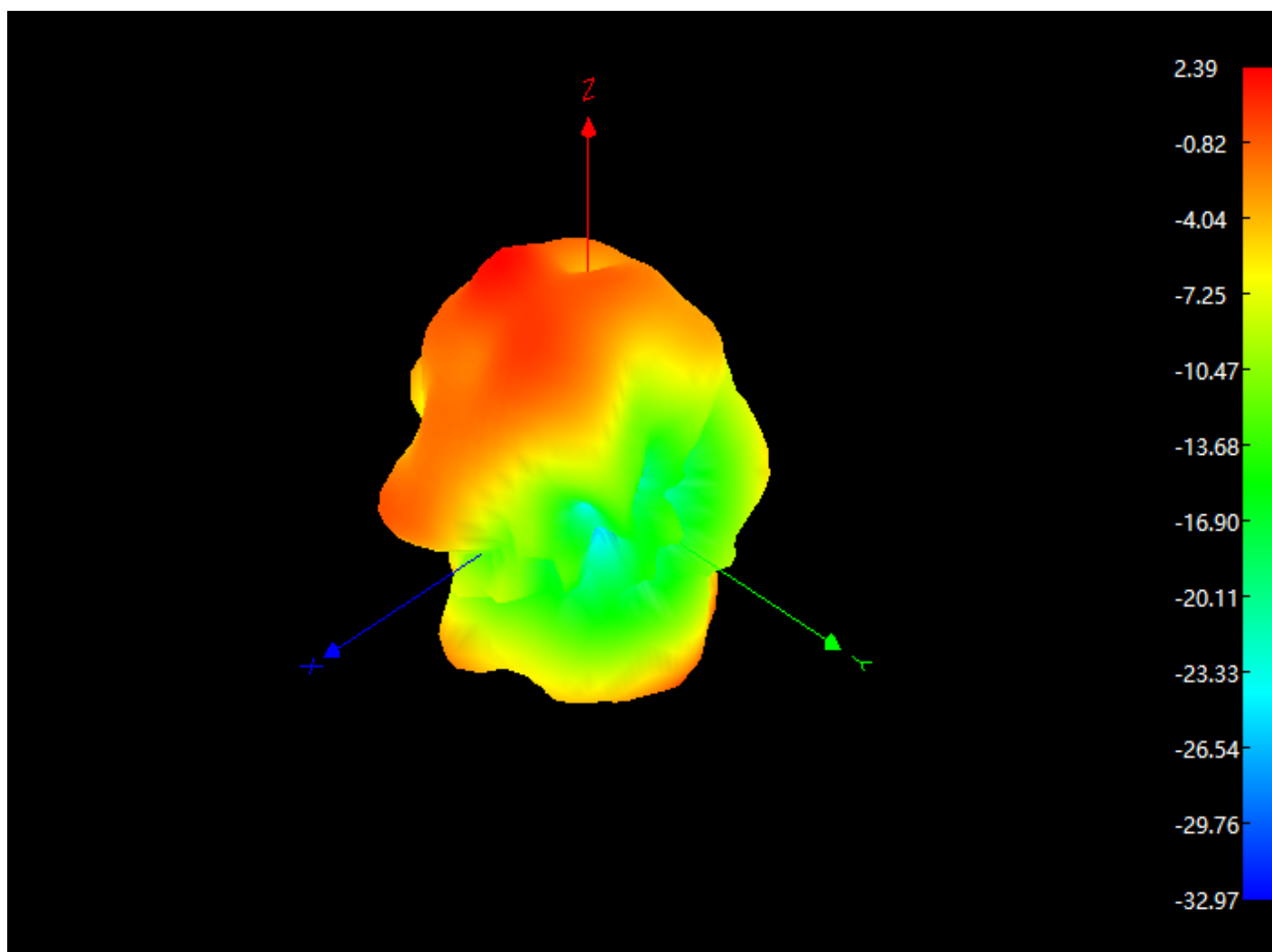


Radiation Pattern For WiFi Antenna (5500MHz)





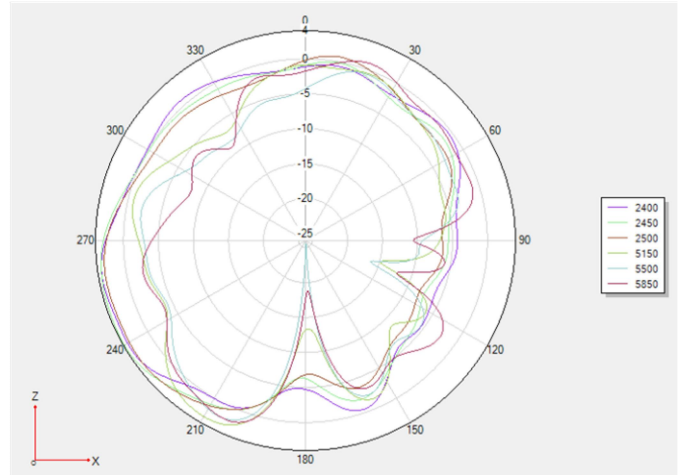
Radiation Pattern For WiFi Antenna (5850MHz)



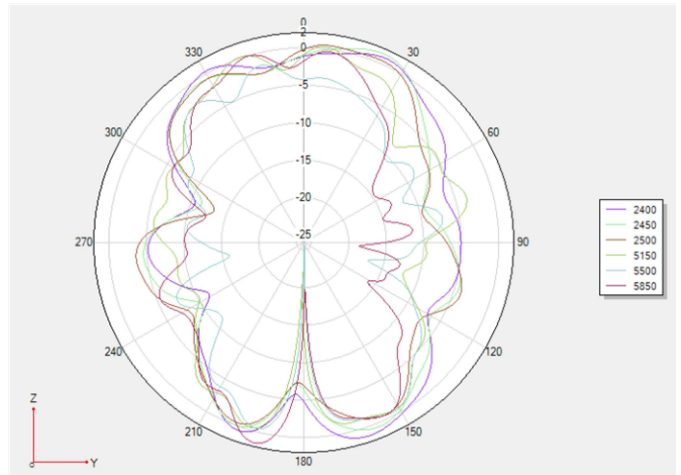


Radiation Pattern For WiFi Antenna

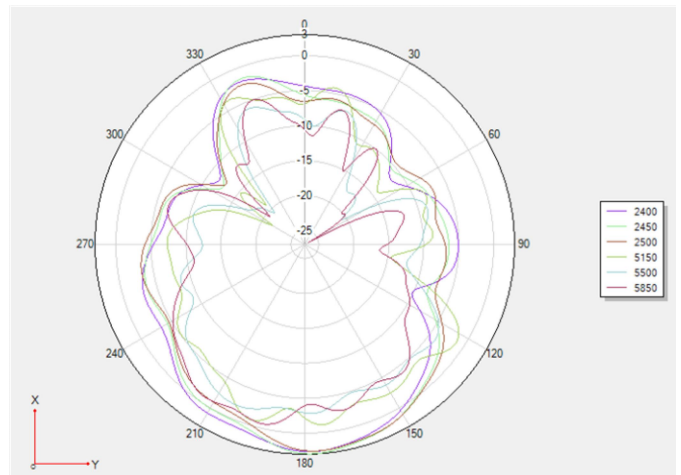
Phi 0°



Phi 90°

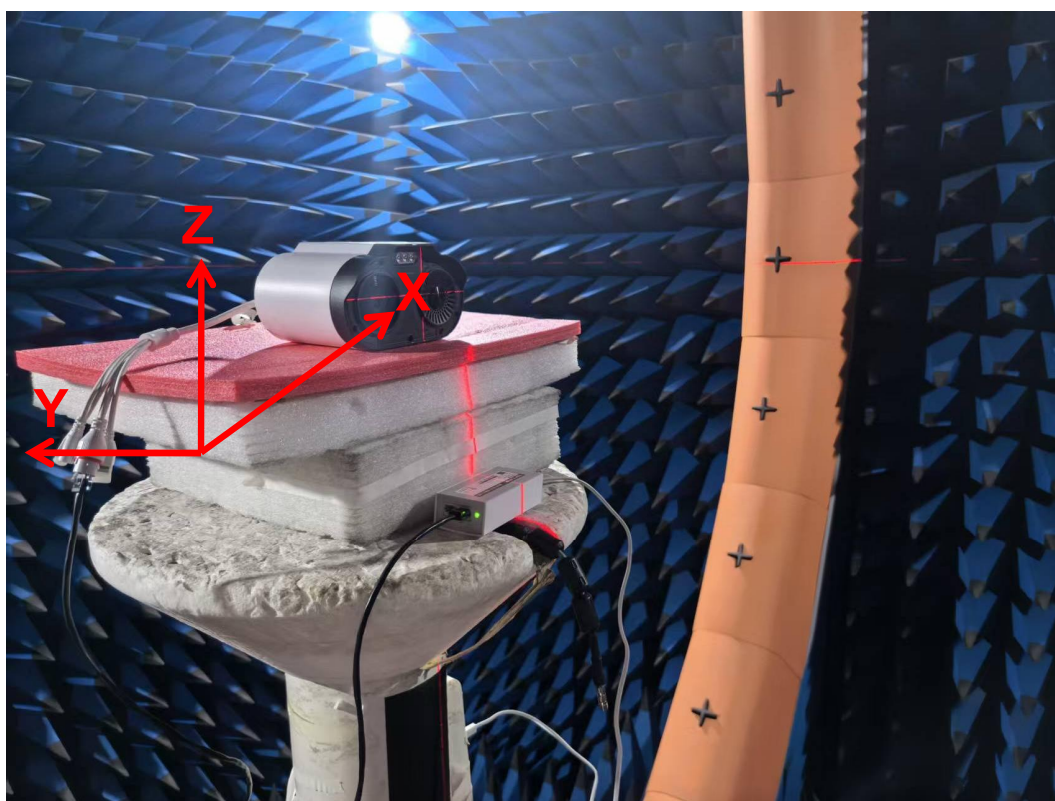
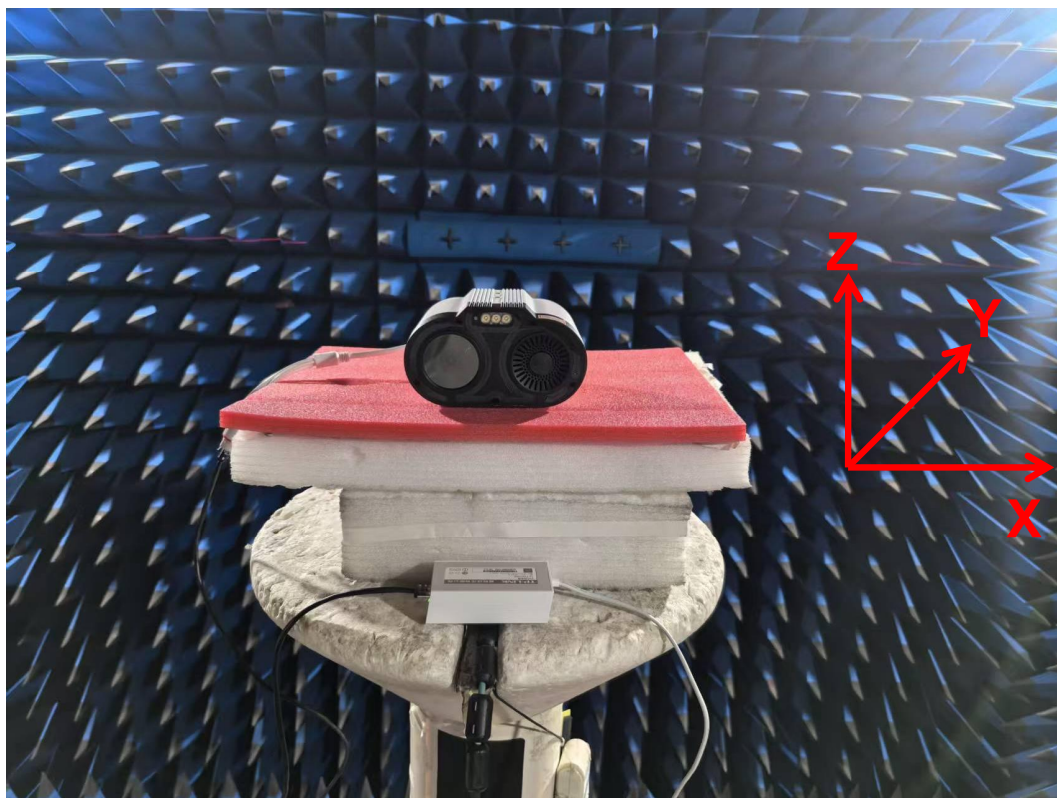


Theta 90°





Antenna Active Test





Active Test For WiFi Antenna

Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	1	11Mbps	15.8	11Mbps	-84.7
	6		16.0		-85.2
	11		15.9		-85.4
WIFI 5G 802.11a	36	54Mbps	12.3	54Mbps	-72.4
	64		12.0		-72.7
	165		11.5		-71.9



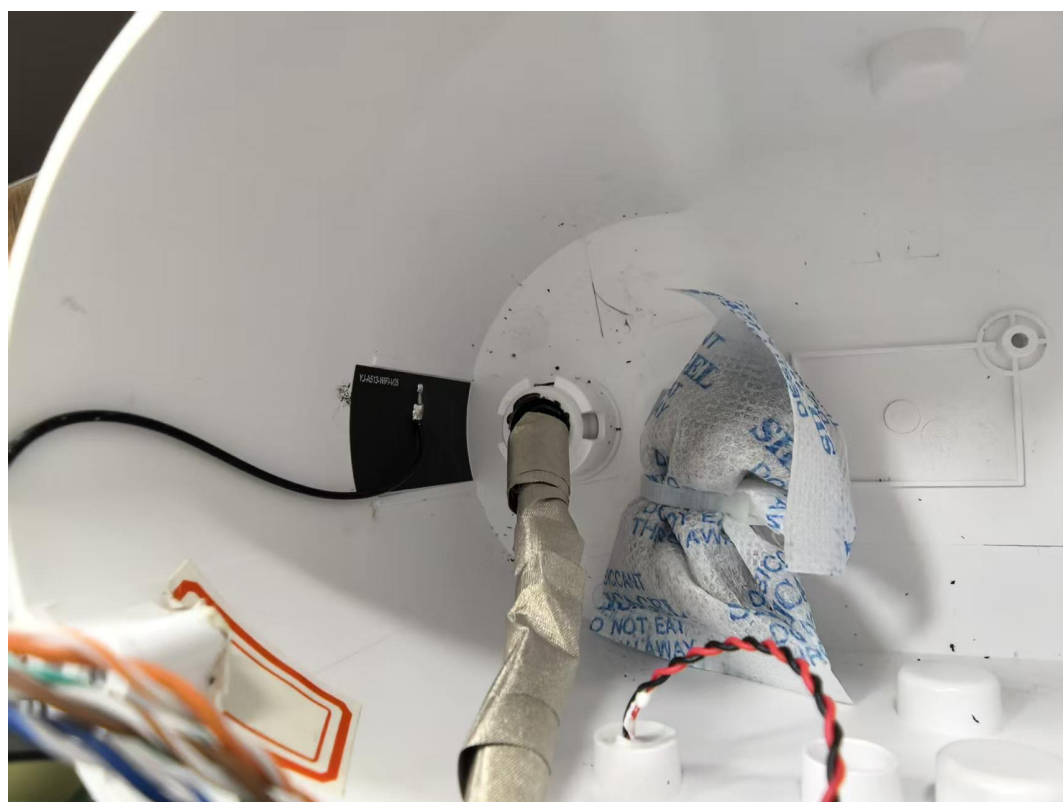


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Device



*WiFi
Antenna*



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WiFi Antenna

