

RoHS
Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE

A

首次发行

2021-07-26

B

修改外形，线路

2021-09-29

C

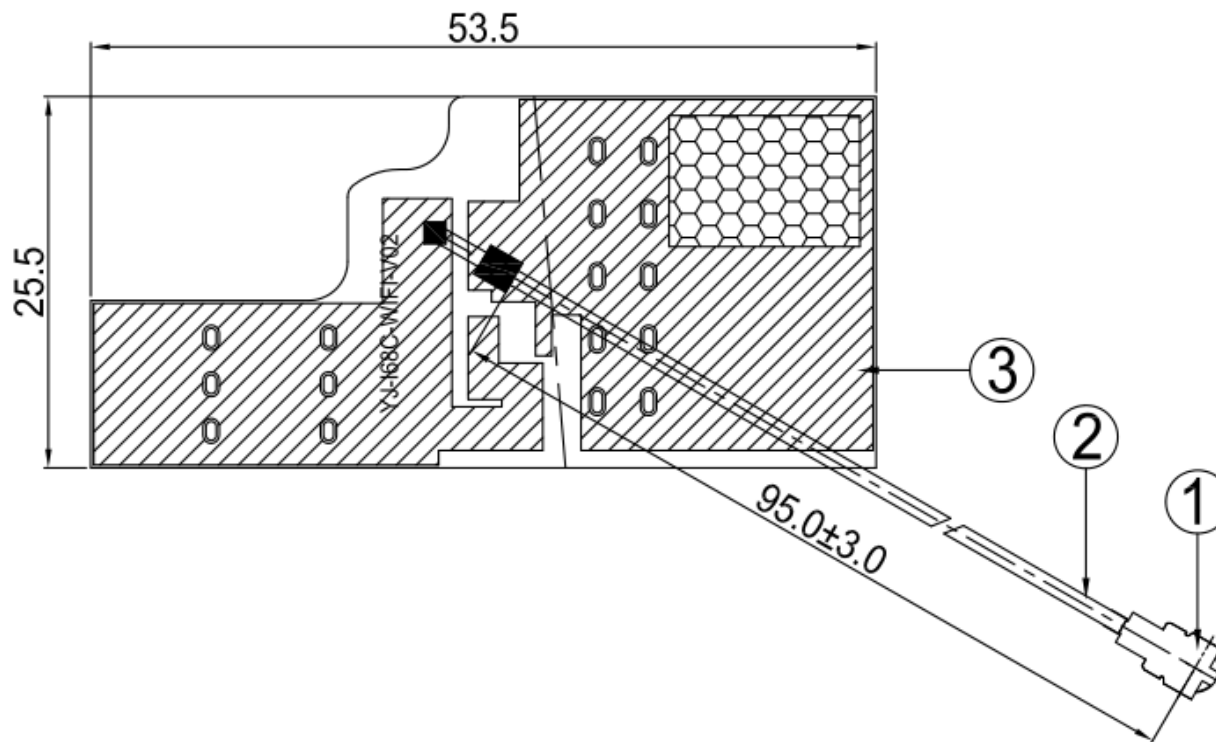
定义离型纸分割线

2021-11-12

D

修改线长

2021-11-19



4	EMI Gasket	12.0*10.0*3.0MM	EMI Gasket	EVA10XXXA.P01	1
3	FPC	37.5*23.7mm	FPC	FPC100XXA.P01	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA100XXA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TRE100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd. Tel :0769-82586086 Fax:0769-82586086

PART NAME: WIFI Antenna L=90mm MHF

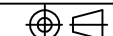
PART NO.:YJL01.106.025.301A

DATE: 2021-11-19

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

陈国强

周颖杰

廖光喜

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: D

X° ±3°



天线规格

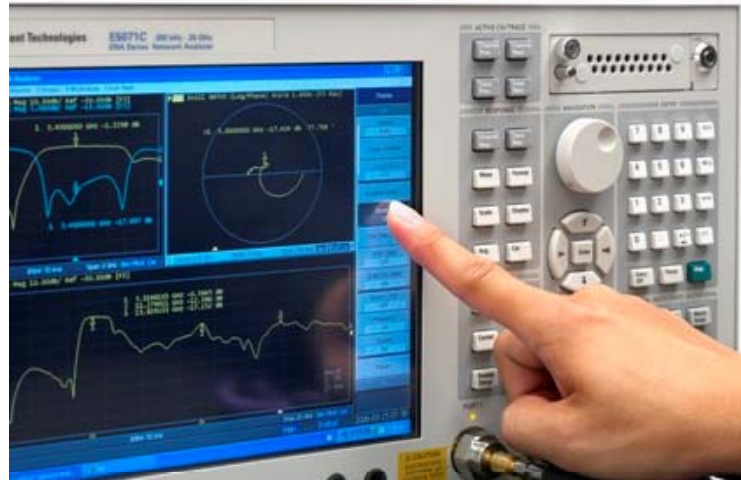
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.3dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	90mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

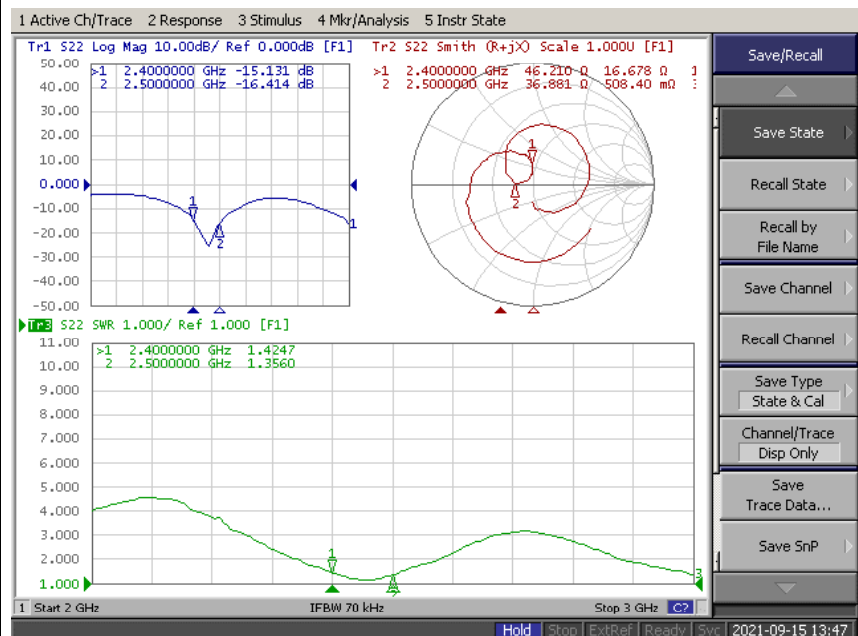


Antenna Performance Test

**Agilent
E5071B**

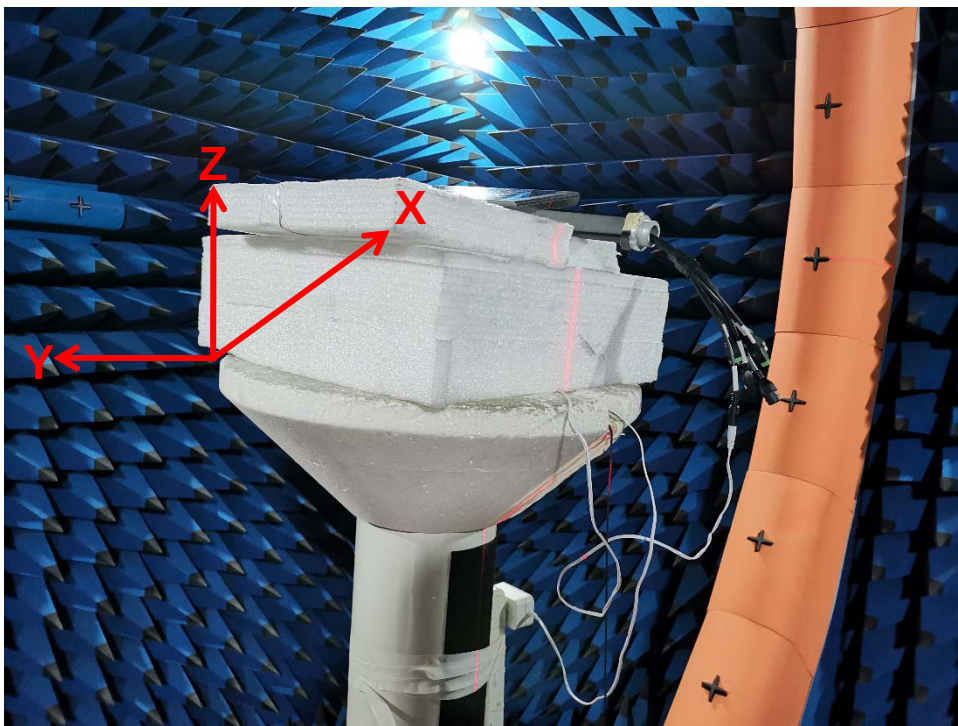
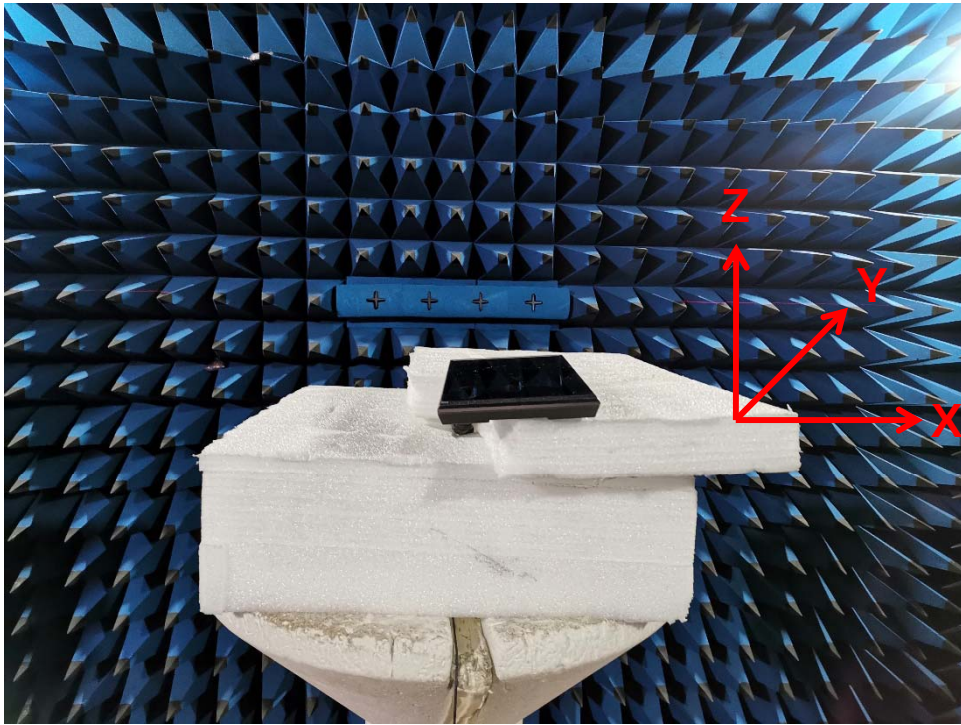


**S11
Parameter
Test //
WIFI
Antenna**





Antenna Passive Test

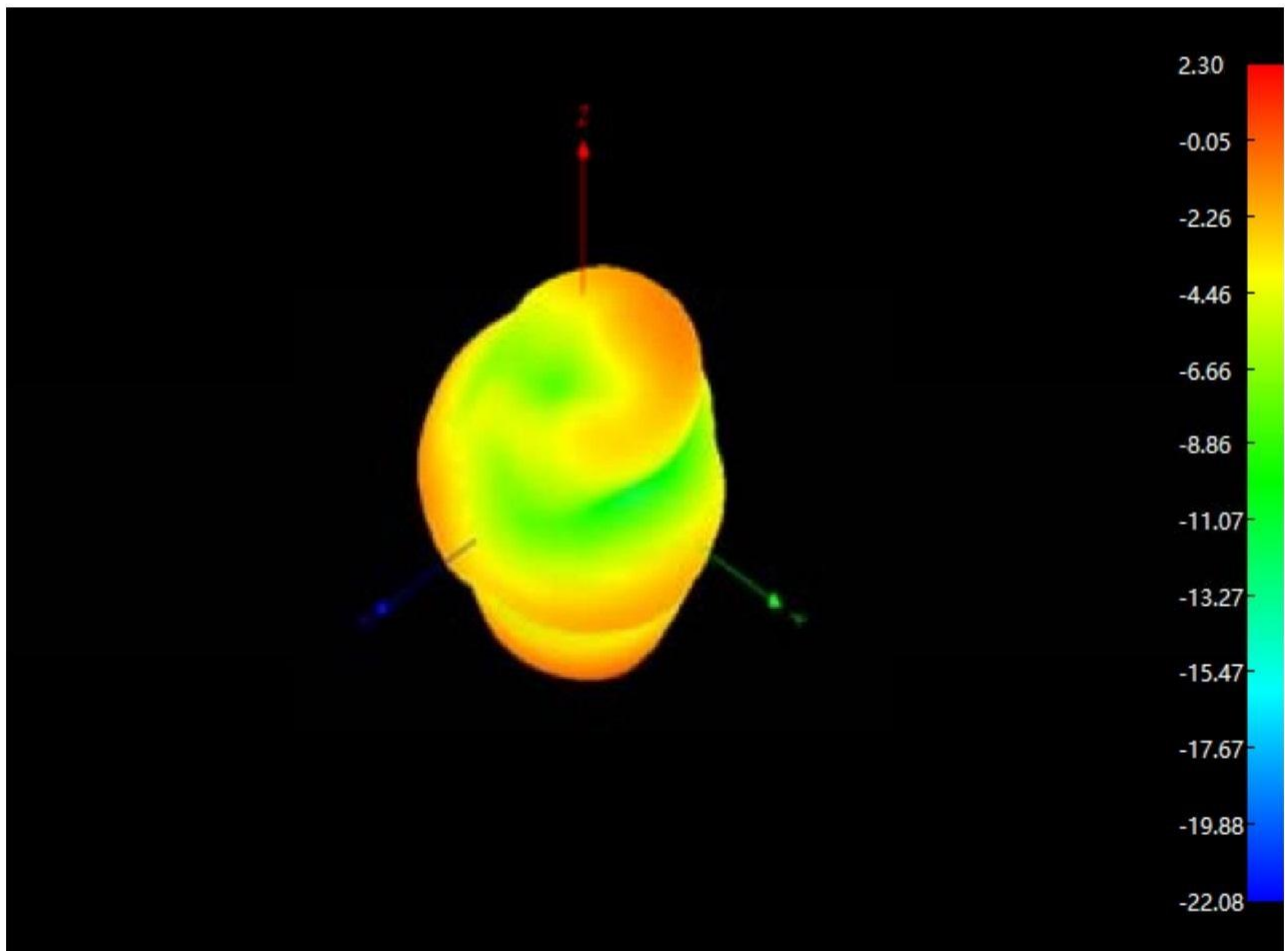




Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	21.8	-6.2	2.3
2410	22.2	-6.2	2.3
2420	21.9	-6.2	2.1
2430	21.4	-6.3	2.1
2440	21.4	-6.3	2.0
2450	22.7	-6.1	2.2
2460	22.2	-6.2	1.9
2470	23.2	-6.0	1.9
2480	23.9	-5.9	1.9
2490	23.4	-5.9	2.2
2500	22.7	-5.9	2.1

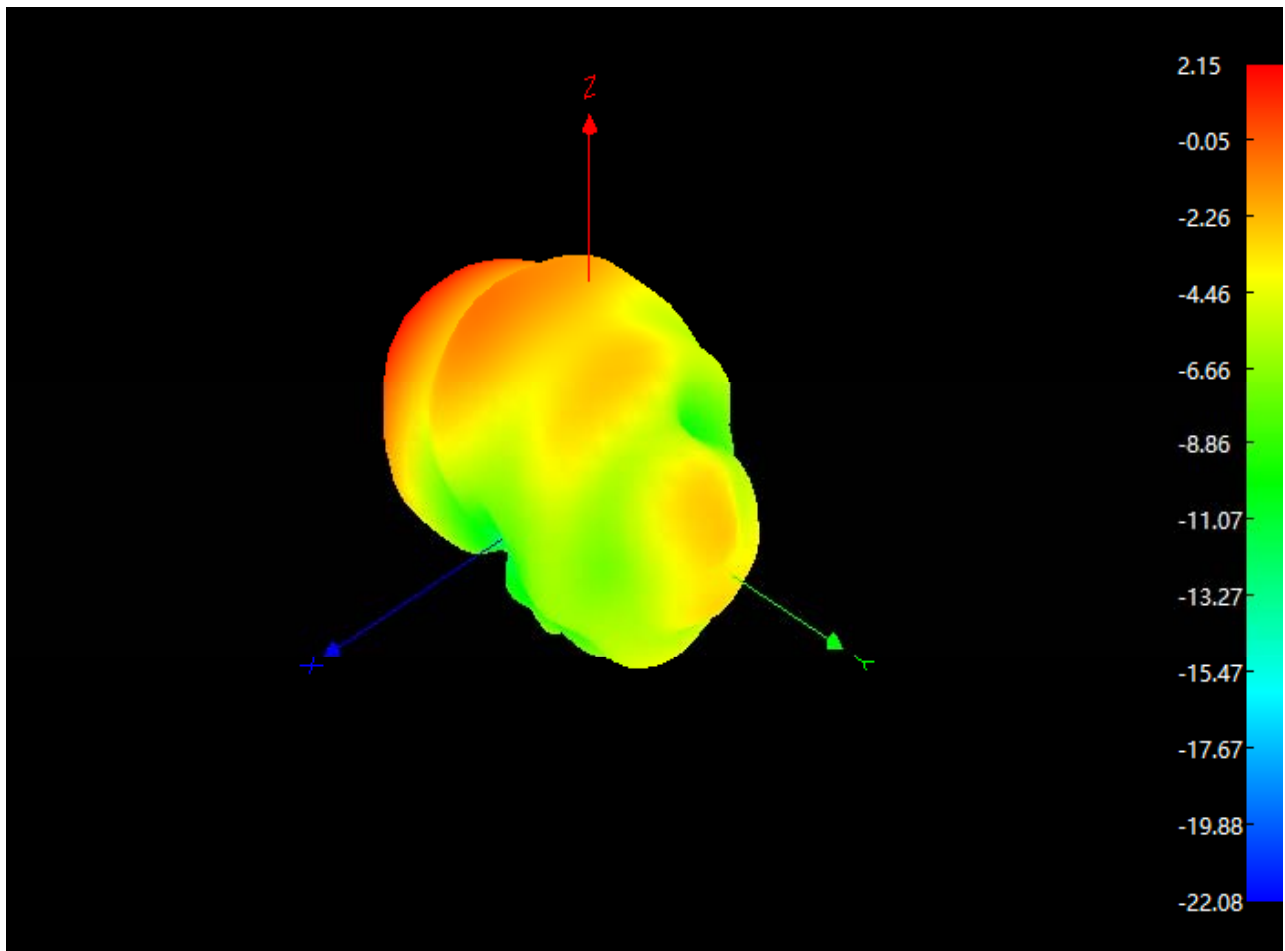


Radiation Pattern For WIFI Antenna(2400MHz)



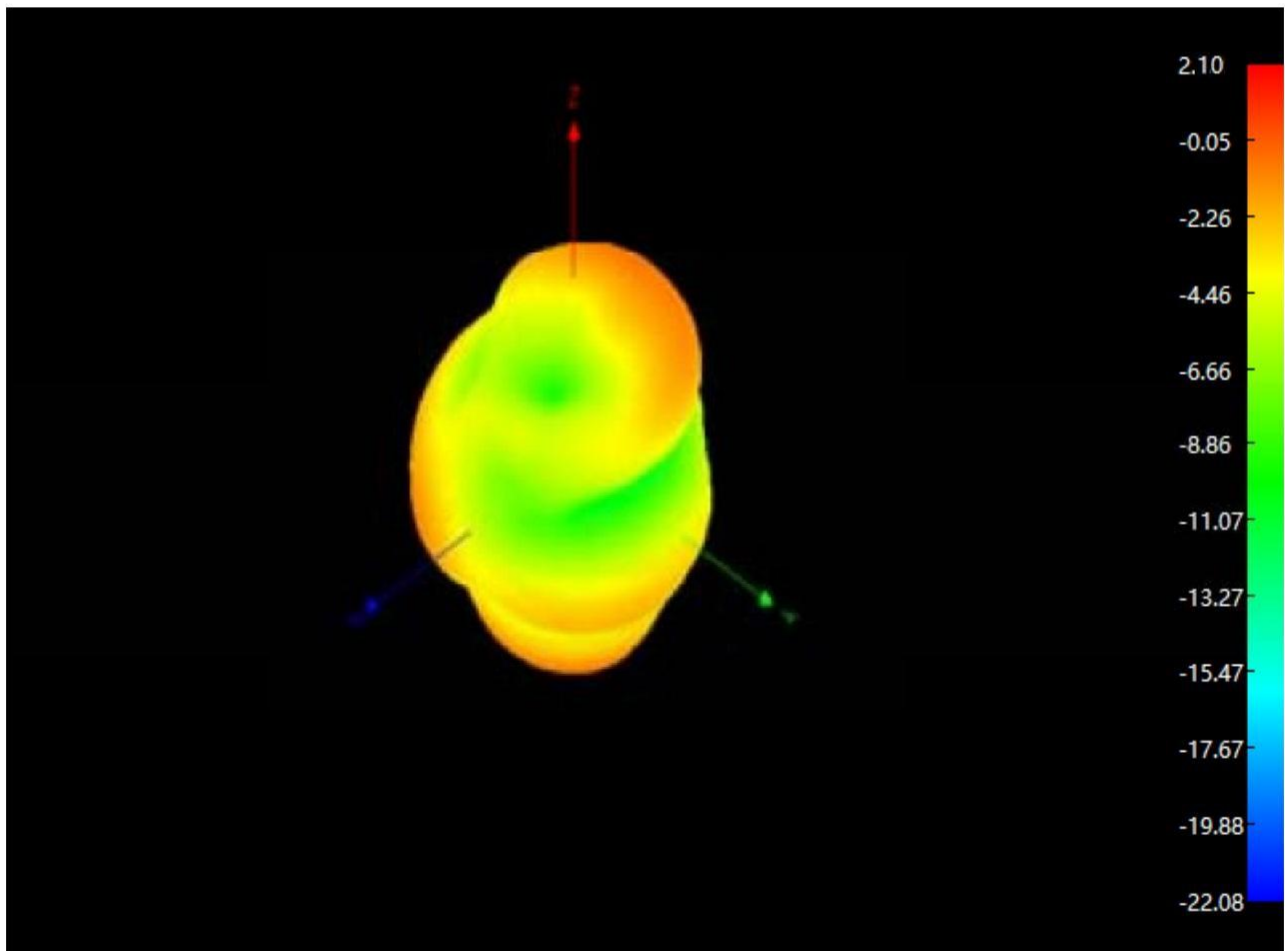


Radiation Pattern For WIFI Antenna(2450MHz)



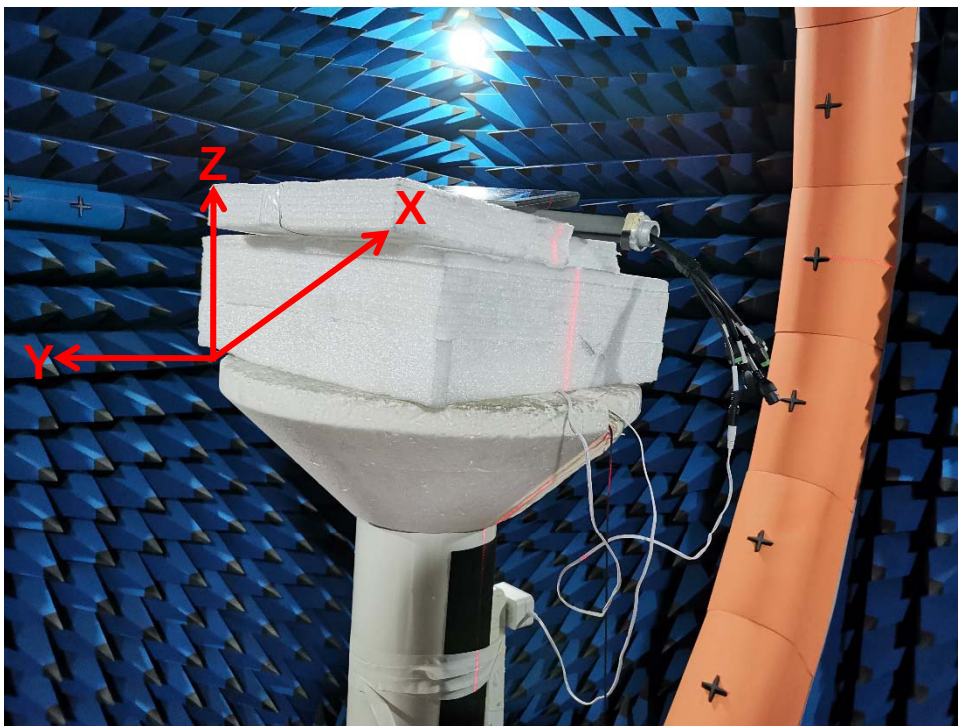
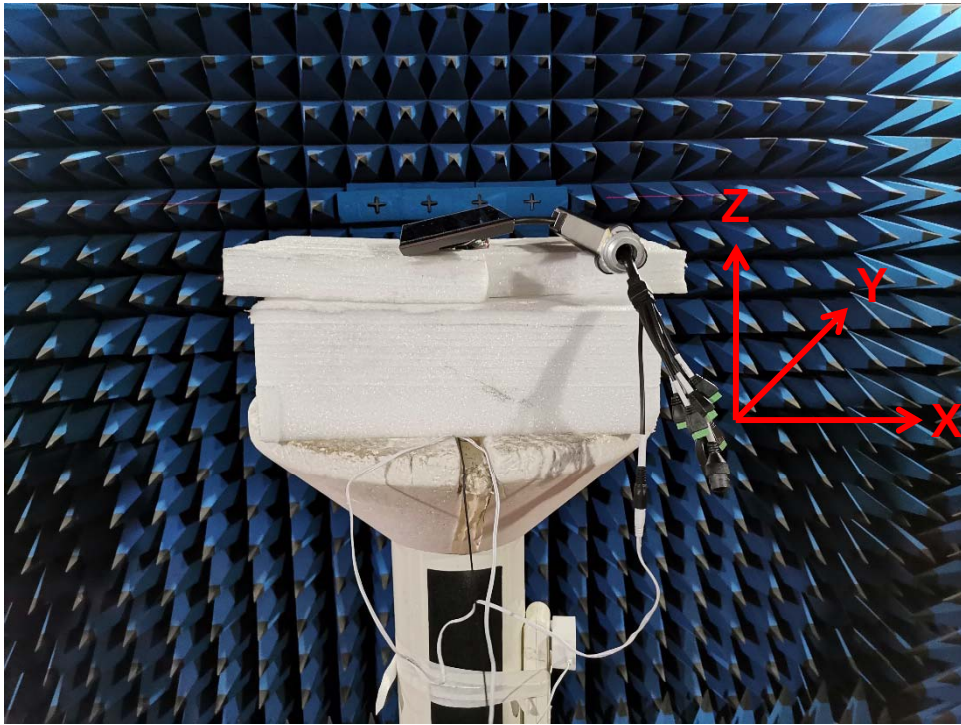


Radiation Pattern For WIFI Antenna(2500MHz)





Antenna Active Test





Active Test For WIFI Antenna					
Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	1	11Mbps	9.5	11Mbps	-61.4
	6		9.6		-58.9
	13		10.5		-54.8