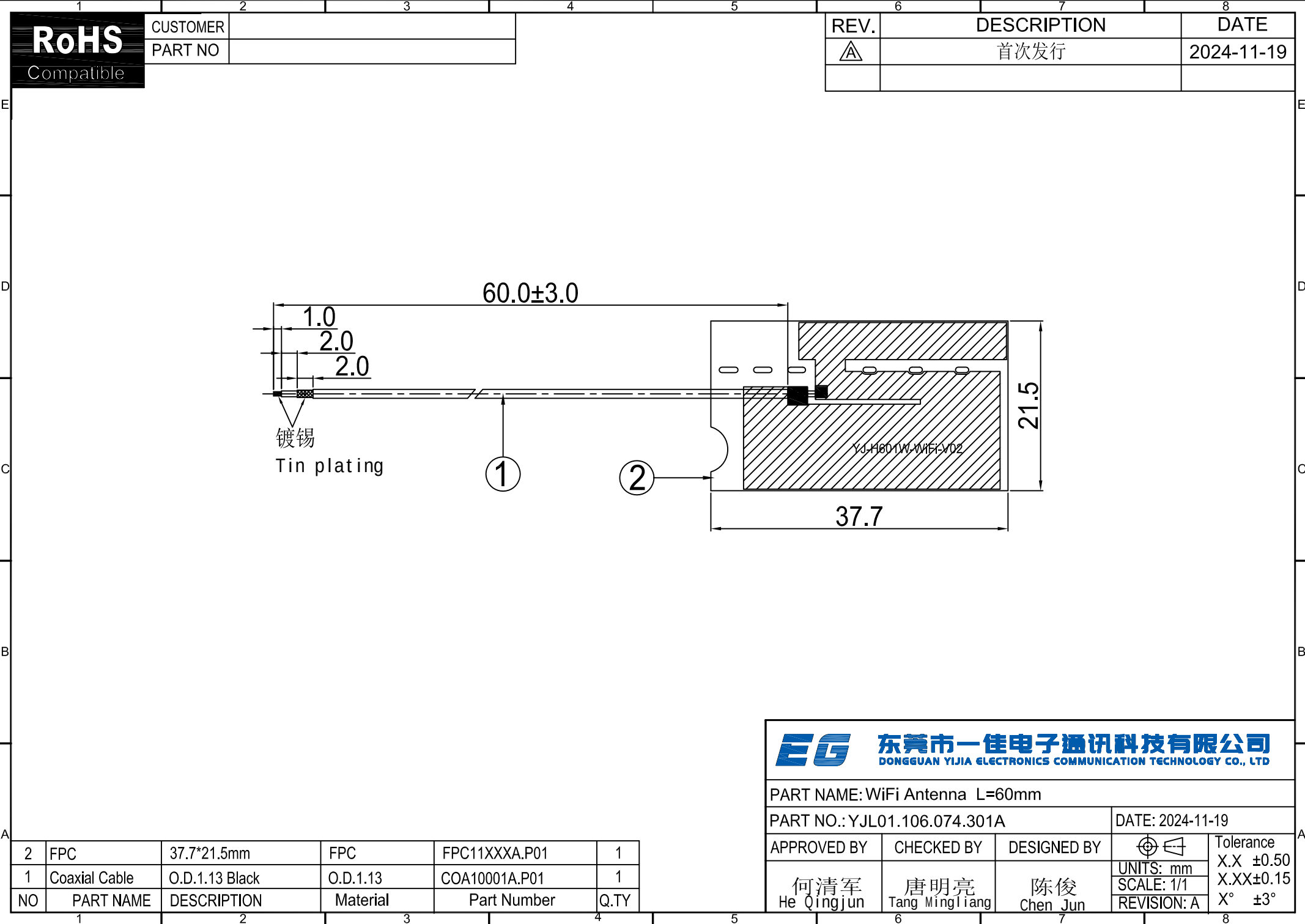




RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-11-19

2	FPC	37.7*21.5mm	FPC	FPC11XXA.P01	1
1	Coaxial Cable	O.D.1.13 Black	O.D.1.13	COA10001A.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

PART NAME: WiFi Antenna L=60mm

PART NO.: YJL01.106.074.301A

DATE: 2024-11-19

APPROVED BY	CHECKED BY	DESIGNED BY	 UNITS: mm SCALE: 1/1 REVISION: A	Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
何清军 He Qingjun	唐明亮 Tang Mingliang	陈俊 Chen Jun		



天线规格
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz 5.1-5.8GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	3.7 dBi@2.4-2.5GHz 5.4 dBi@5.1-5.8GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	None
Cable Type	O.D.1.13mm
Cable Length	60mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

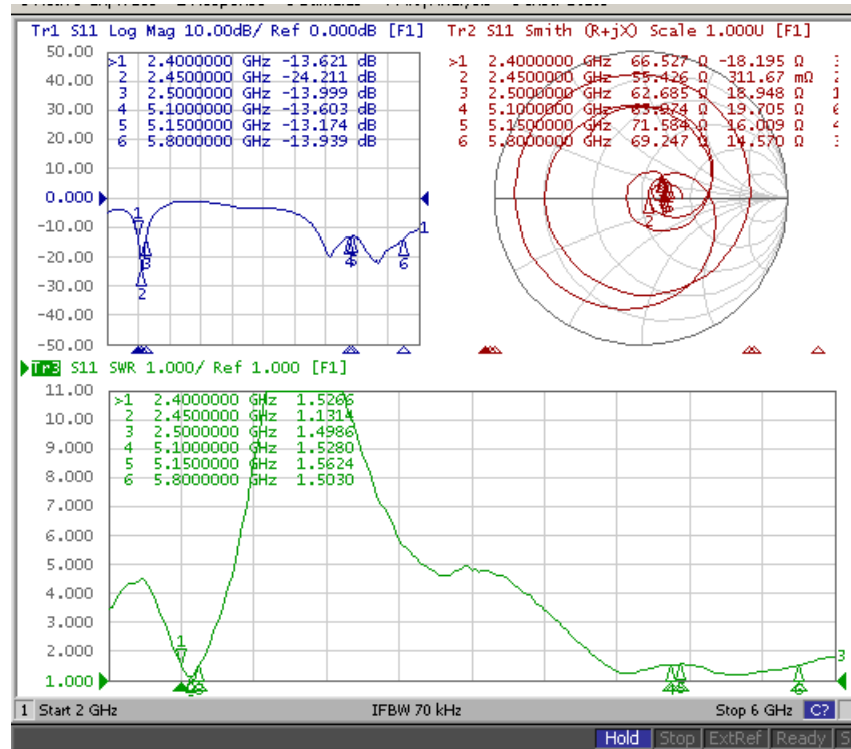




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Antenna Performance Test

*Agilent
E5071C
S
Parameter
Test //
WiFi
Antenna*

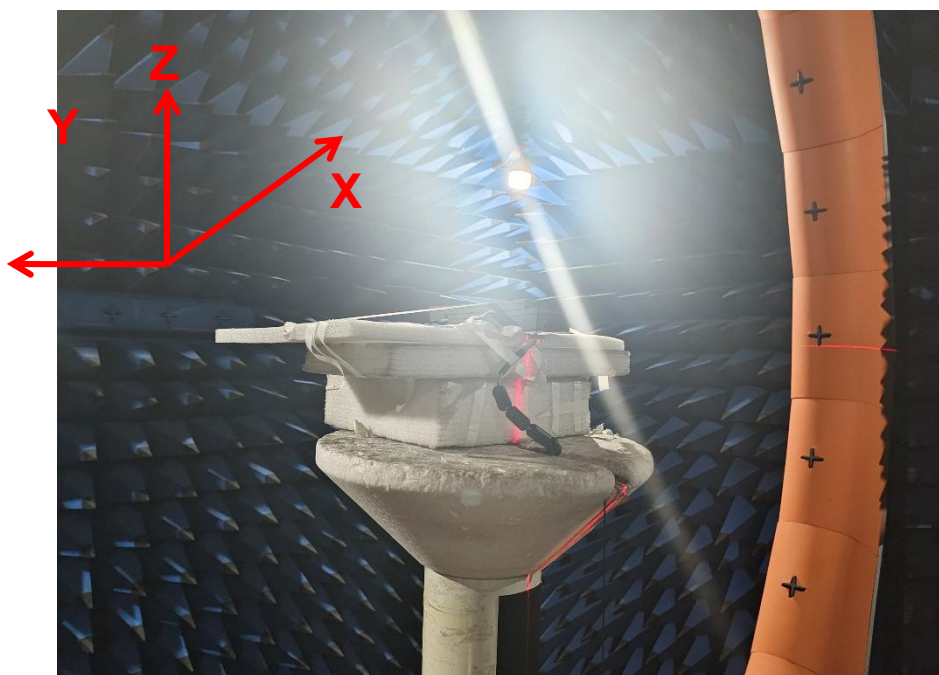
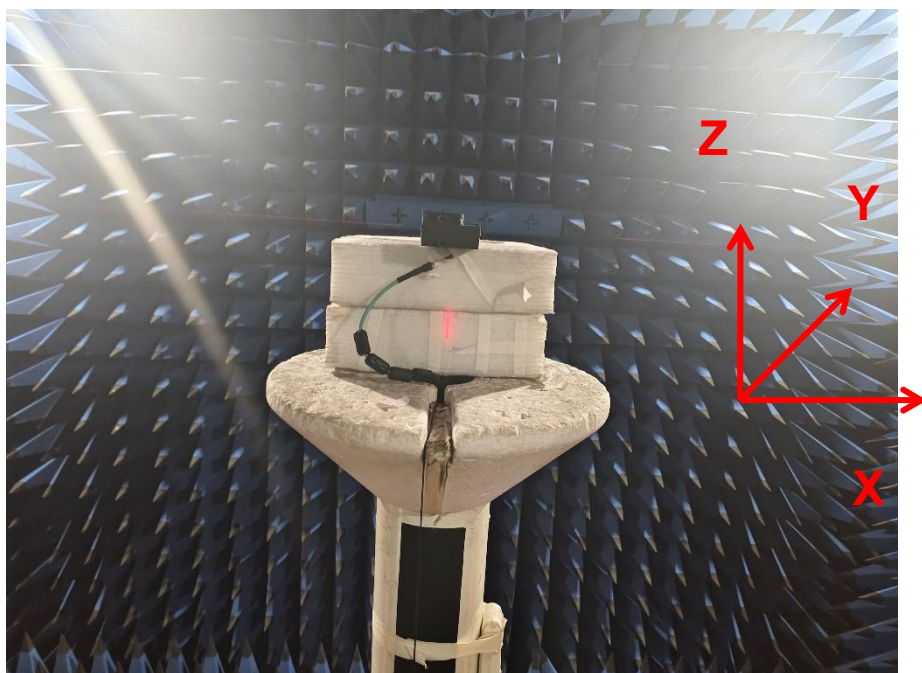


No. 59, Muyu Road, Shatou Community, Chang 'an Town, Dongguan City
. Tel:0769-82586086. Fax:0769-82586086



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

Antenna Passive Test



No. 59, Muyu Road, Shatou Community, Chang 'an Town, Dongguan City.
Tel:0769-82586086. Fax:0769-82586086



Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	57.3	-2.4	3.4
2410	59.1	-2.3	3.5
2420	58.8	-2.3	3.3
2430	59.1	-2.3	3.3
2440	59.5	-2.3	3.1
2450	63.3	-2.0	3.4
2460	60.8	-2.2	3.2
2470	63.5	-2.0	3.7
2480	60.4	-2.2	3.4
2490	60.6	-2.2	3.6
2500	56.2	-2.5	3.0





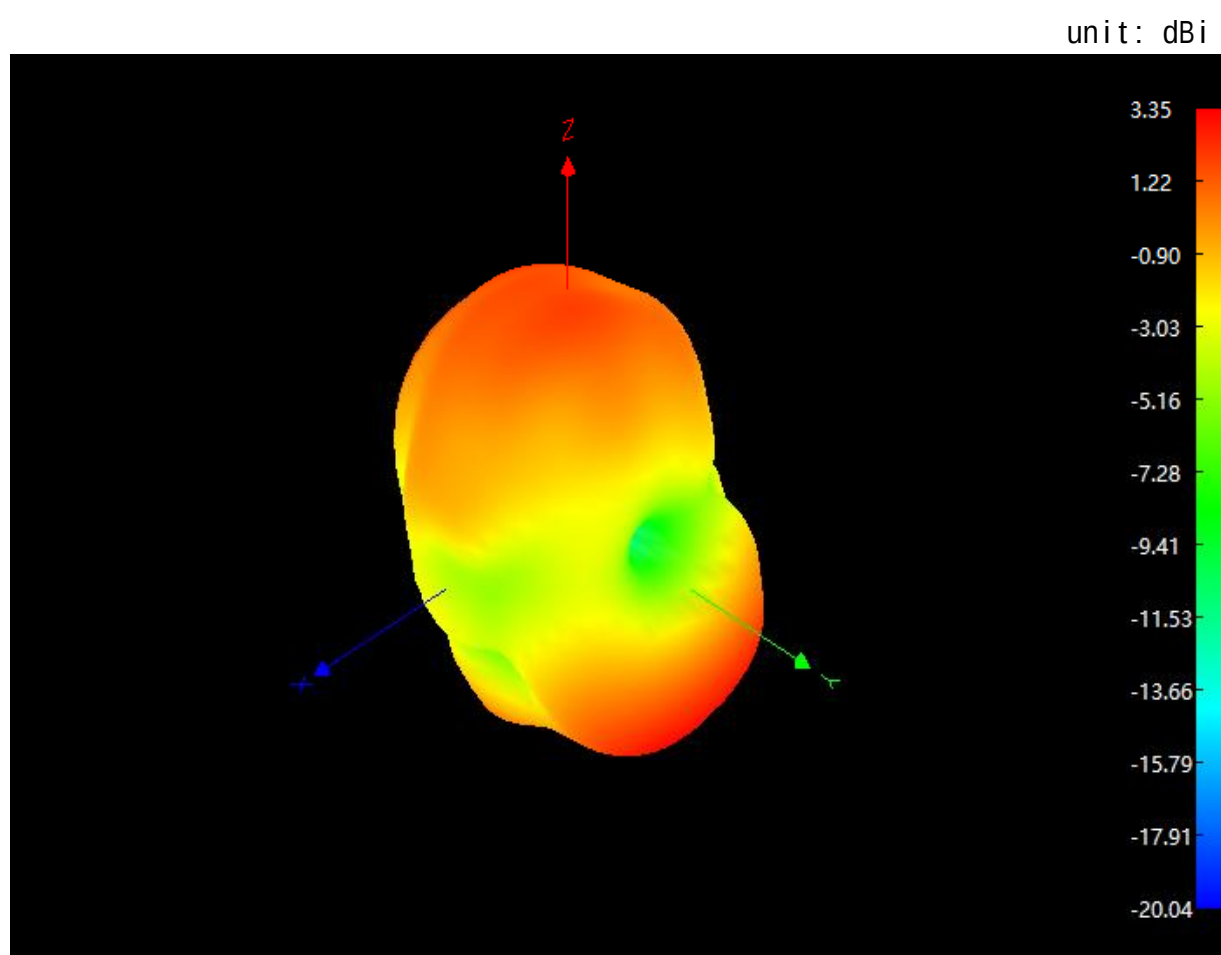
Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	55.7	-2.5	5.1
5200	54.8	-2.6	5.0
5250	52.3	-2.8	4.8
5300	52.5	-2.8	4.8
5350	52.1	-2.8	4.5
5400	58.4	-2.3	4.9
5450	58.6	-2.3	4.8
5500	53.2	-2.7	4.6
5550	58.0	-2.4	5.4
5600	54.8	-2.6	5.1
5650	50.5	-3.0	4.4
5700	49.1	-3.1	4.3
5750	51.3	-2.9	4.2
5800	54.7	-2.6	3.7
5850	55.6	-2.5	3.9



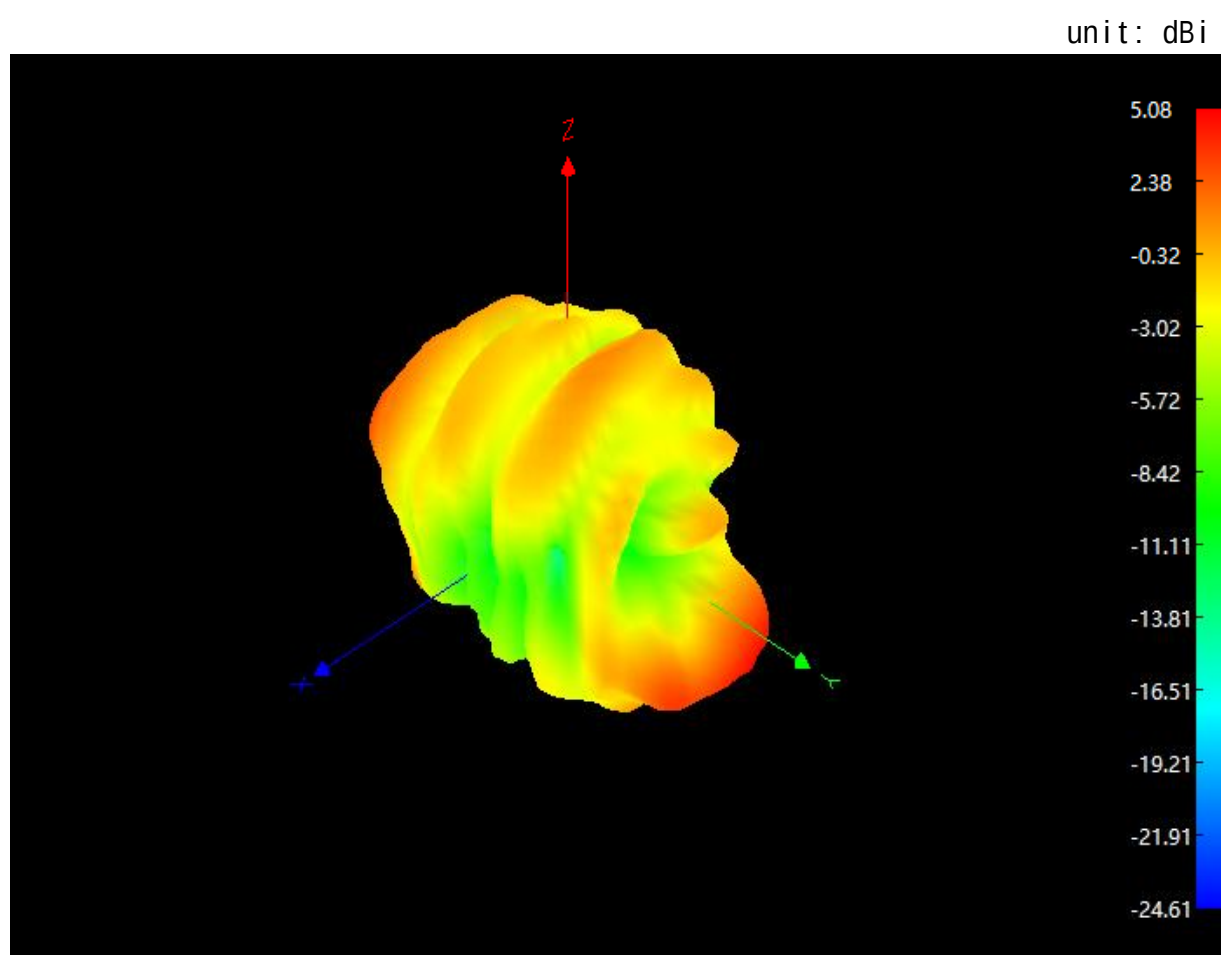


Radiation Pattern For WiFi Antenna(2450MHz)



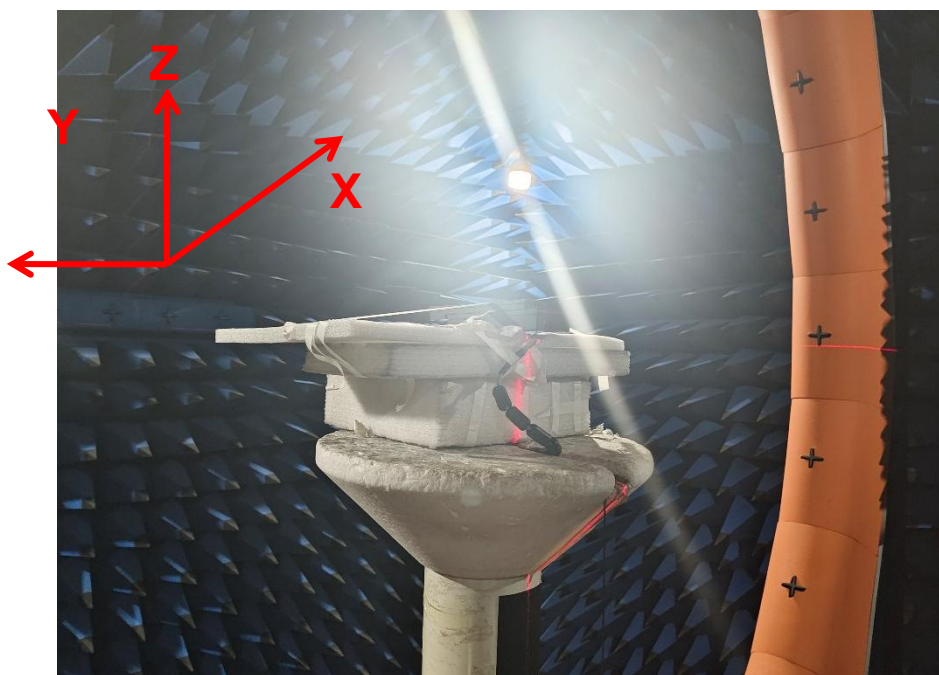
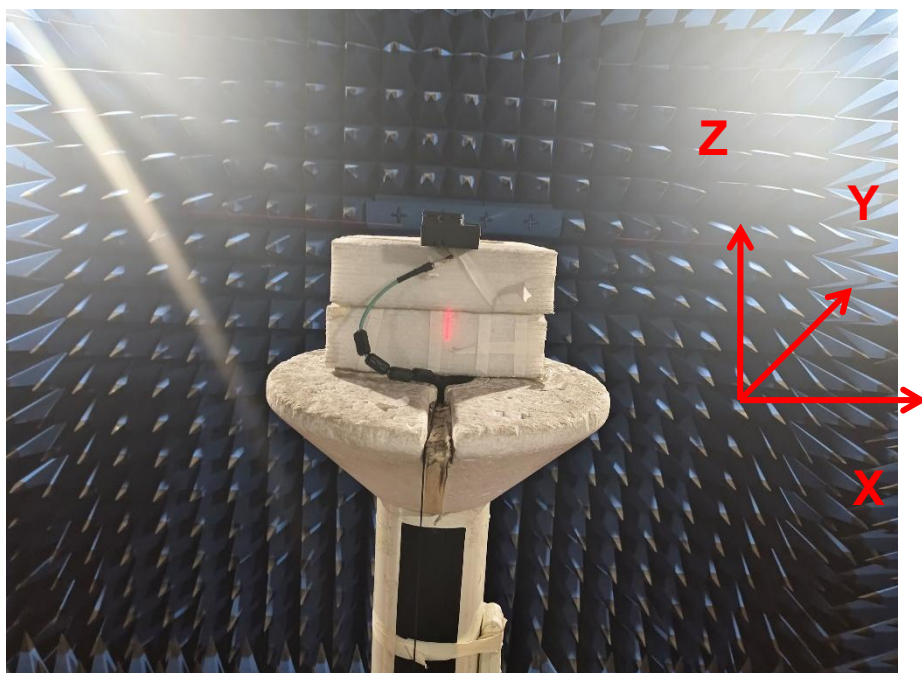


Radiation Pattern For WiFi Antenna(5150MHz)





Antenna Active Test





Active Test For WiFi Antenna					
Band	Channel	Data Rate	TRP	Data Rate	TIS
WIFI 2.4G 802.11b	1	11Mbps	14.8	11Mbps	-84.3
	6		14.5		-84.3
	13		15.0		-84.0

