



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/03/27
编号 File No	25032704
版本 Revision	1.0

客户
CUSTOMER: 天波

客户料号
CUSTOMER NO: L101

品名
PART NAME: WIFI Antenna L=35mm MHF

供方料号
SUPPLIER NO: YJW01.076.297.304A

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		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

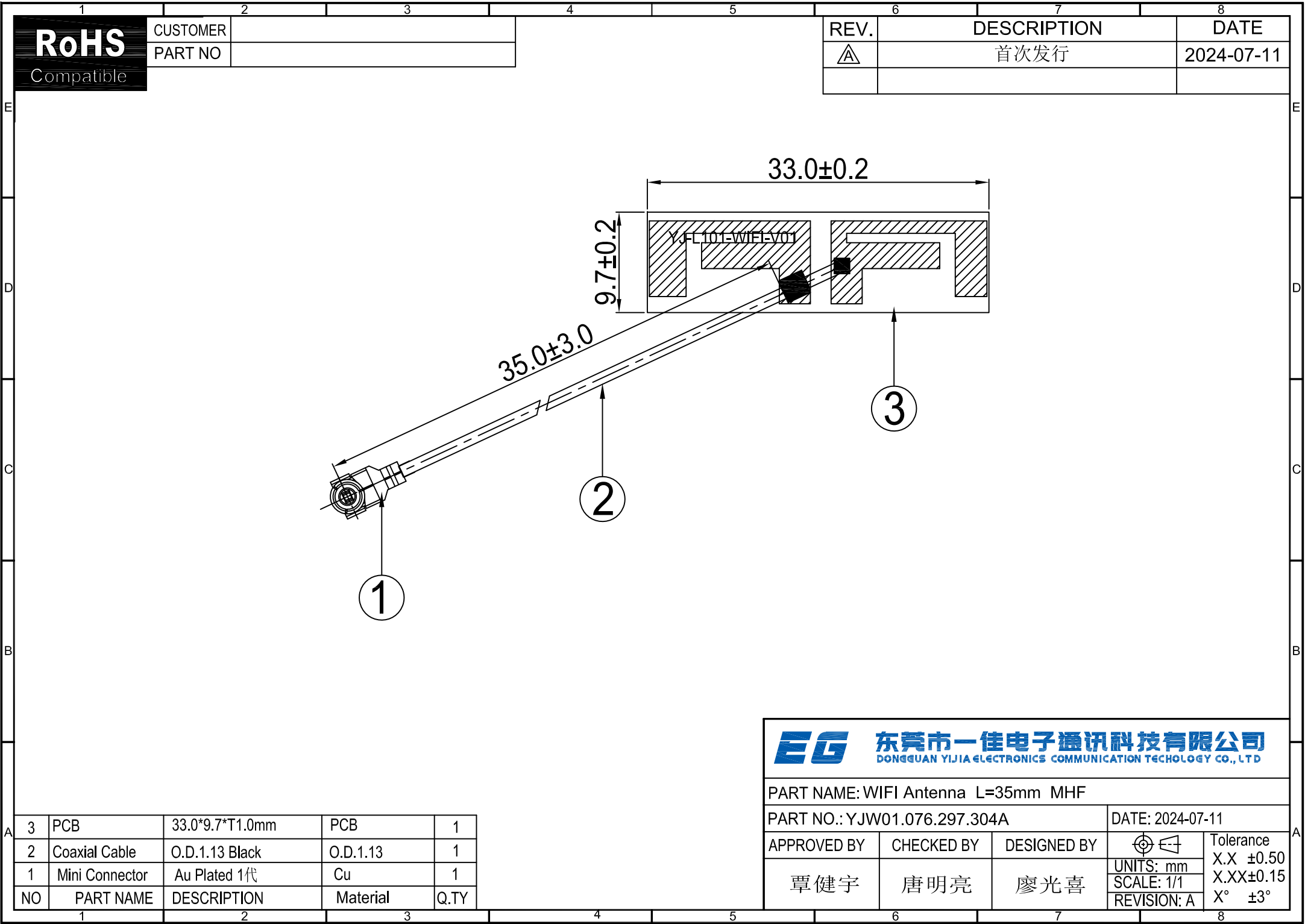




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11	N/A	N/A	N/A
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RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-07-11

3	PCB	33.0*9.7*T1.0mm	PCB	1
2	Coaxial Cable	O.D.1.13 Black	O.D.1.13	1
1	Mini Connector	Au Plated 1代	Cu	1
NO	PART NAME	DESCRIPTION	Material	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=35mm MHF				
PART NO.: YJW01.076.297.304A			DATE: 2024-07-11	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
覃健宇	唐明亮	廖光喜		X.X ±0.50
				X.XX±0.15
				X° ±3°
			UNITS: mm	
			SCALE: 1/1	
			REVISION: A	



天线规格 Antenna Specification

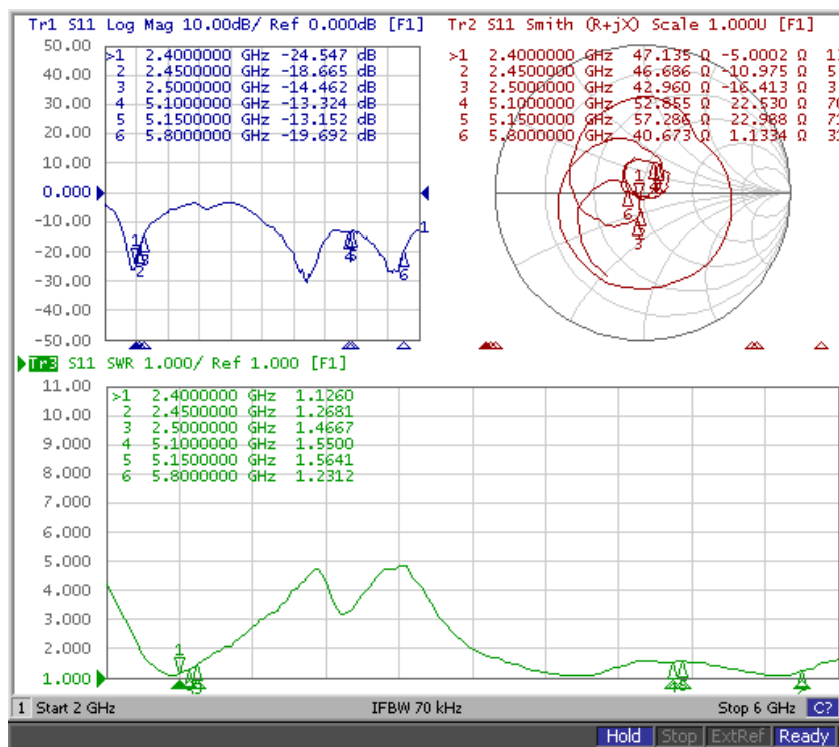
Electrical Properties	
Frequency	2.4-2.5GHz 5.1-5.8GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	4.3 dBi@2.4-2.5GHz 4.1 dBi@5.1-5.8GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	35mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%





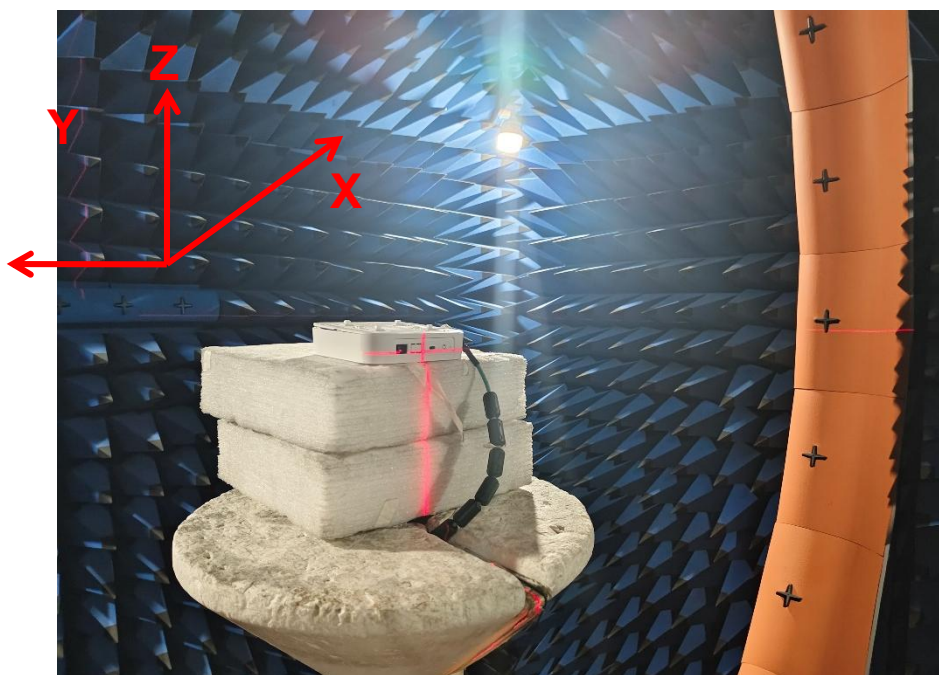
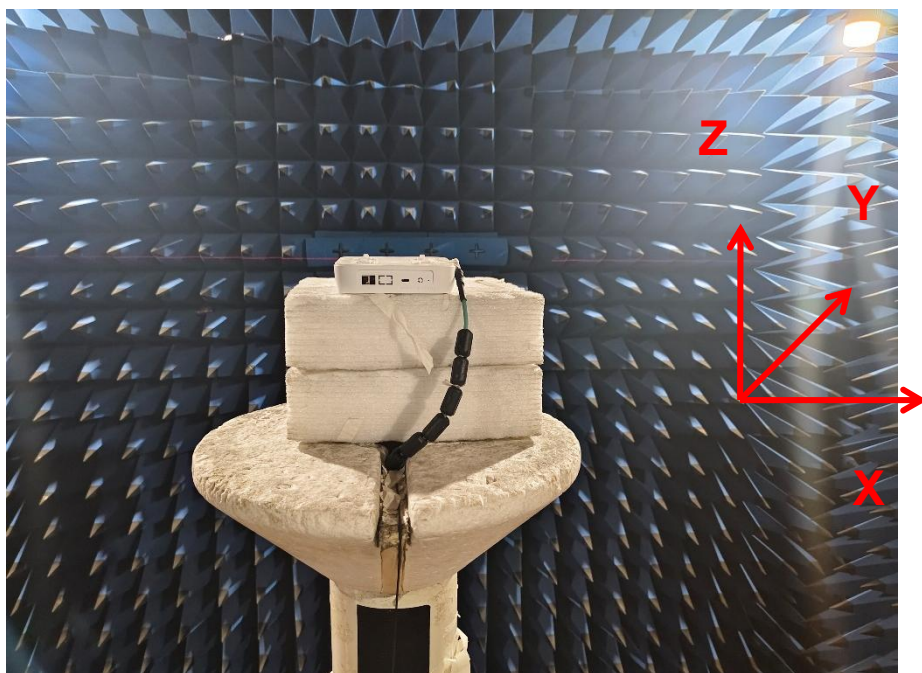
Antenna Performance Test

*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	60.8	-2.2	4.2
2410	62.5	-2.0	4.3
2420	63.0	-2.0	4.1
2430	61.8	-2.1	4.1
2440	60.8	-2.2	3.9
2450	63.7	-2.0	4.2
2460	61.1	-2.1	4.0
2470	63.9	-1.9	4.2
2480	62.3	-2.1	4.1
2490	64.5	-1.9	4.2
2500	61.0	-2.1	4.0





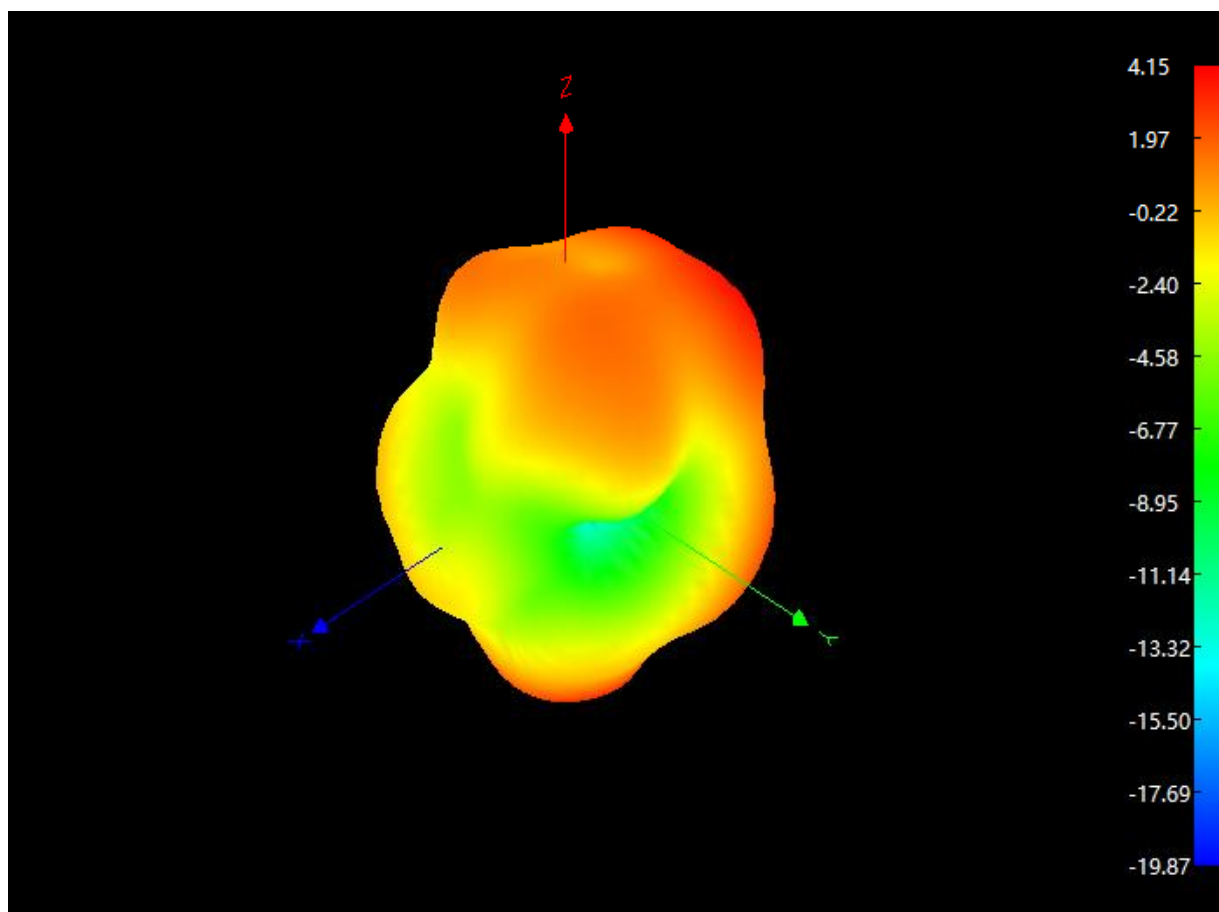
Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	62.8	-2.0	2.8
5200	62.5	-2.0	2.6
5250	63.4	-2.0	3.0
5300	63.2	-2.0	3.0
5350	60.3	-2.2	3.1
5400	64.2	-1.9	3.3
5450	60.2	-2.2	3.2
5500	56.4	-2.5	3.0
5550	63.7	-2.0	4.1
5600	55.1	-2.6	3.3
5650	51.0	-2.9	3.4
5700	60.5	-2.2	4.1
5750	53.9	-2.7	3.6
5800	51.8	-2.9	2.9
5850	50.9	-2.9	3.6



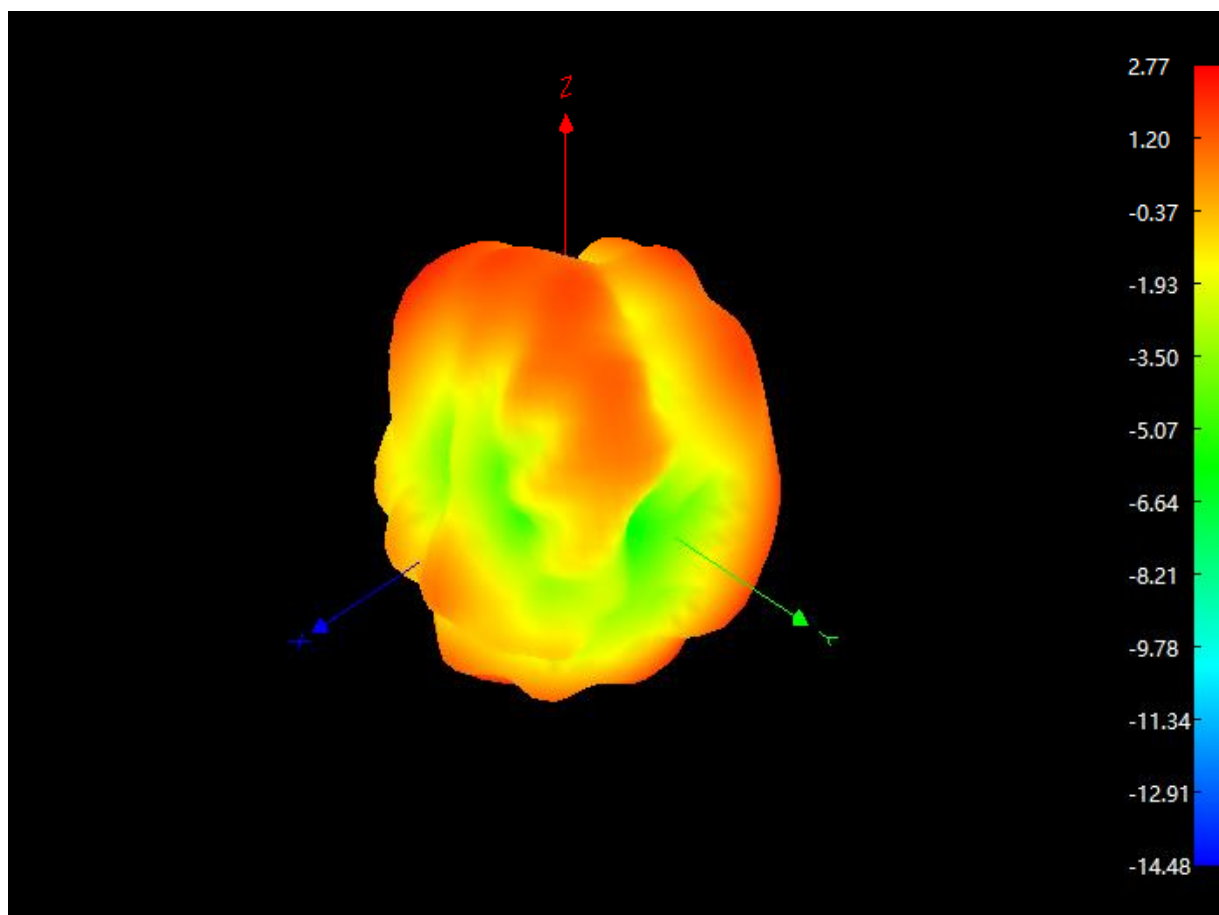


Radiation Pattern For WiFi Antenna(2450MHz)





Radiation Pattern For WiFi Antenna(5150MHz)





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Device

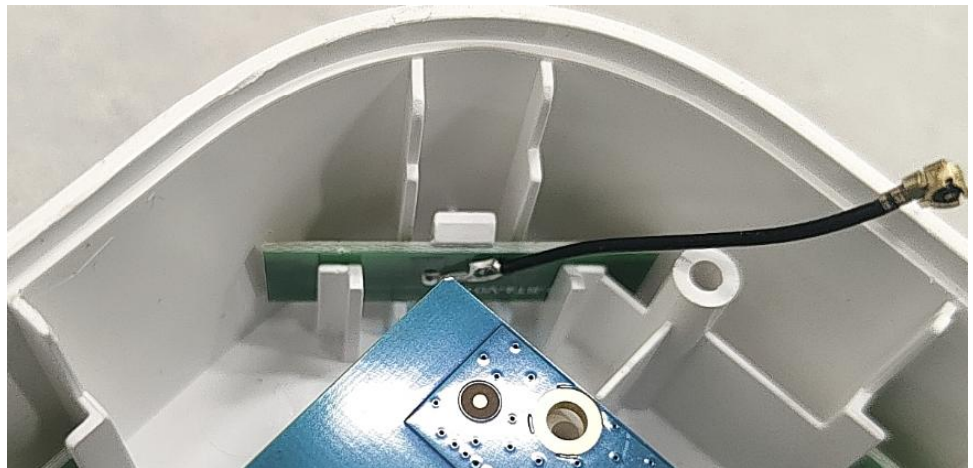


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WiFi Antenna



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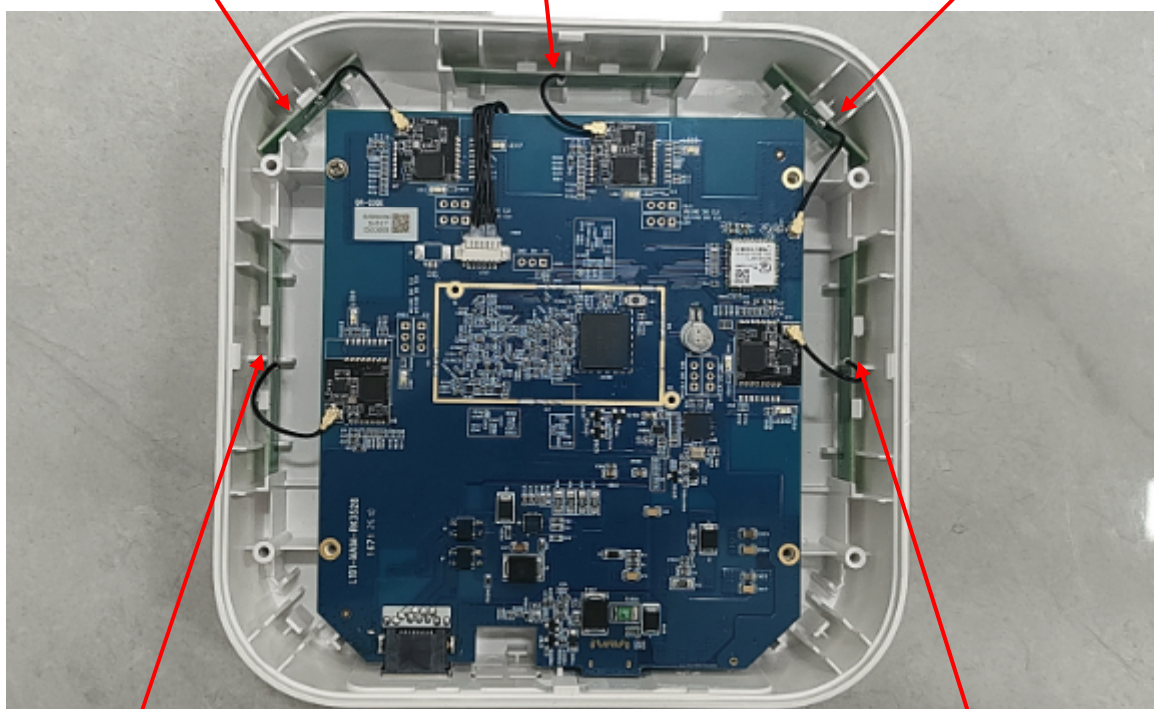


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BT Antenna

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