



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/09/05
编号 File No	25090501
版本 Revision	1.0

客户
CUSTOMER: 方位

客户料号
CUSTOMER NO: LEADA100068A0

品名
PART NAME: WIFI Antenna

供方料号
SUPPLIER NO: YJL01.106.082.301A

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	XieLi	ChenXingyi

YJ-RD-F04-A

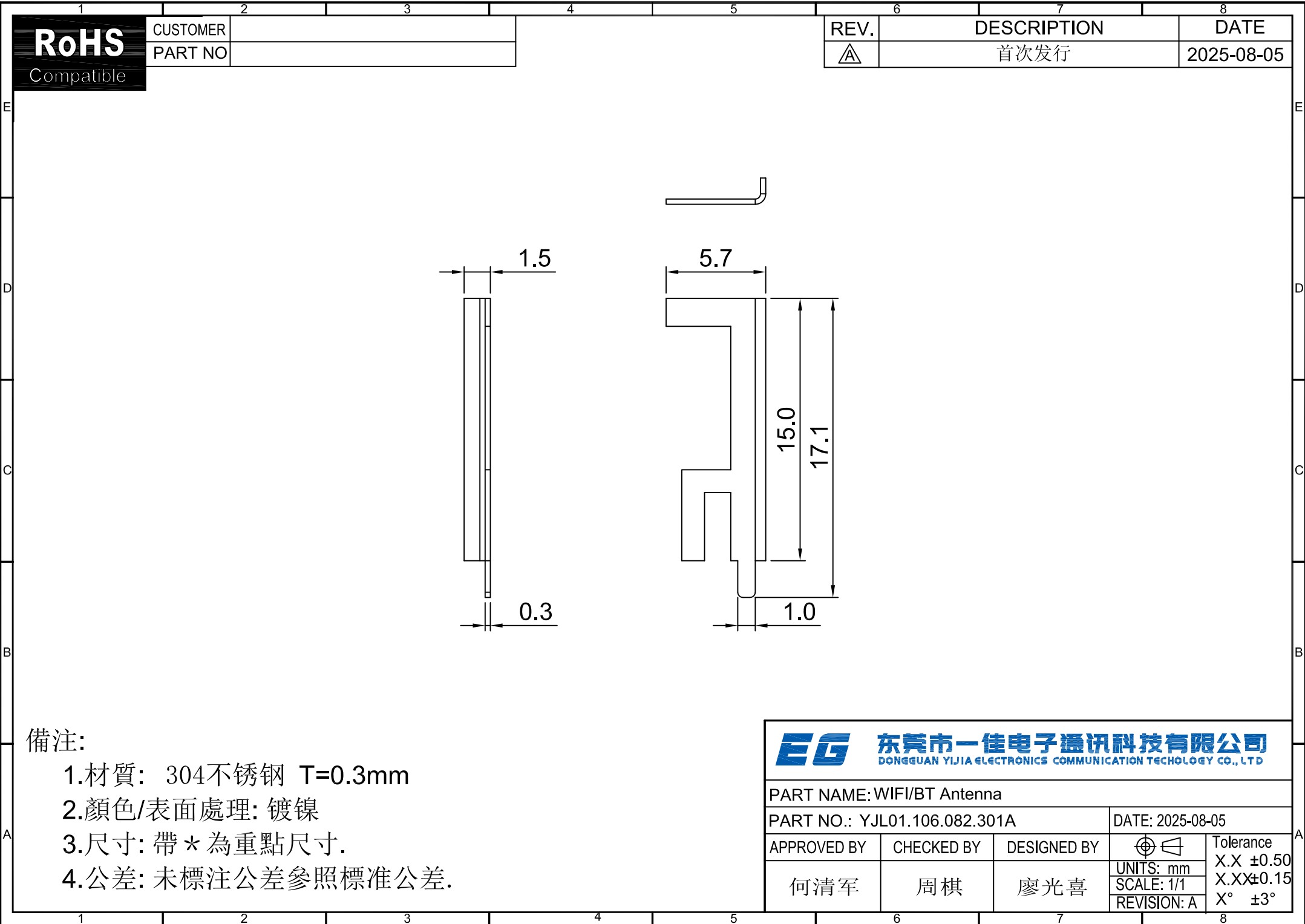




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天线规格
Antenna Specification

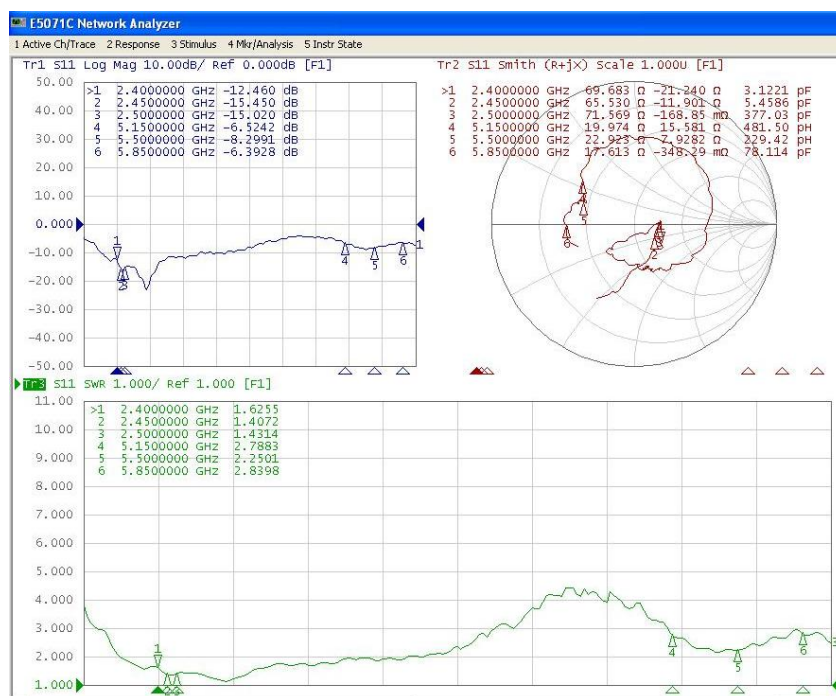
Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max@2.4-2.5GHz 3.0 Max@5.15-5.85GHz
Gain	1.9 dBi@2.4-2.5GHz 4.0 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	None
Cable Type	None
Cable Length	None
Cable Color	None
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*



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



Passive Test For WiFi Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	57.9	-2.4	1.6
2410	57.5	-2.4	1.6
2420	57.2	-2.4	1.4
2430	58.8	-2.3	1.7
2440	58.6	-2.3	1.5
2450	59.8	-2.2	1.8
2460	57.9	-2.4	1.4
2470	59.8	-2.2	1.9
2480	56.8	-2.5	1.5
2490	56.4	-2.5	1.6
2500	52.6	-2.8	1.2





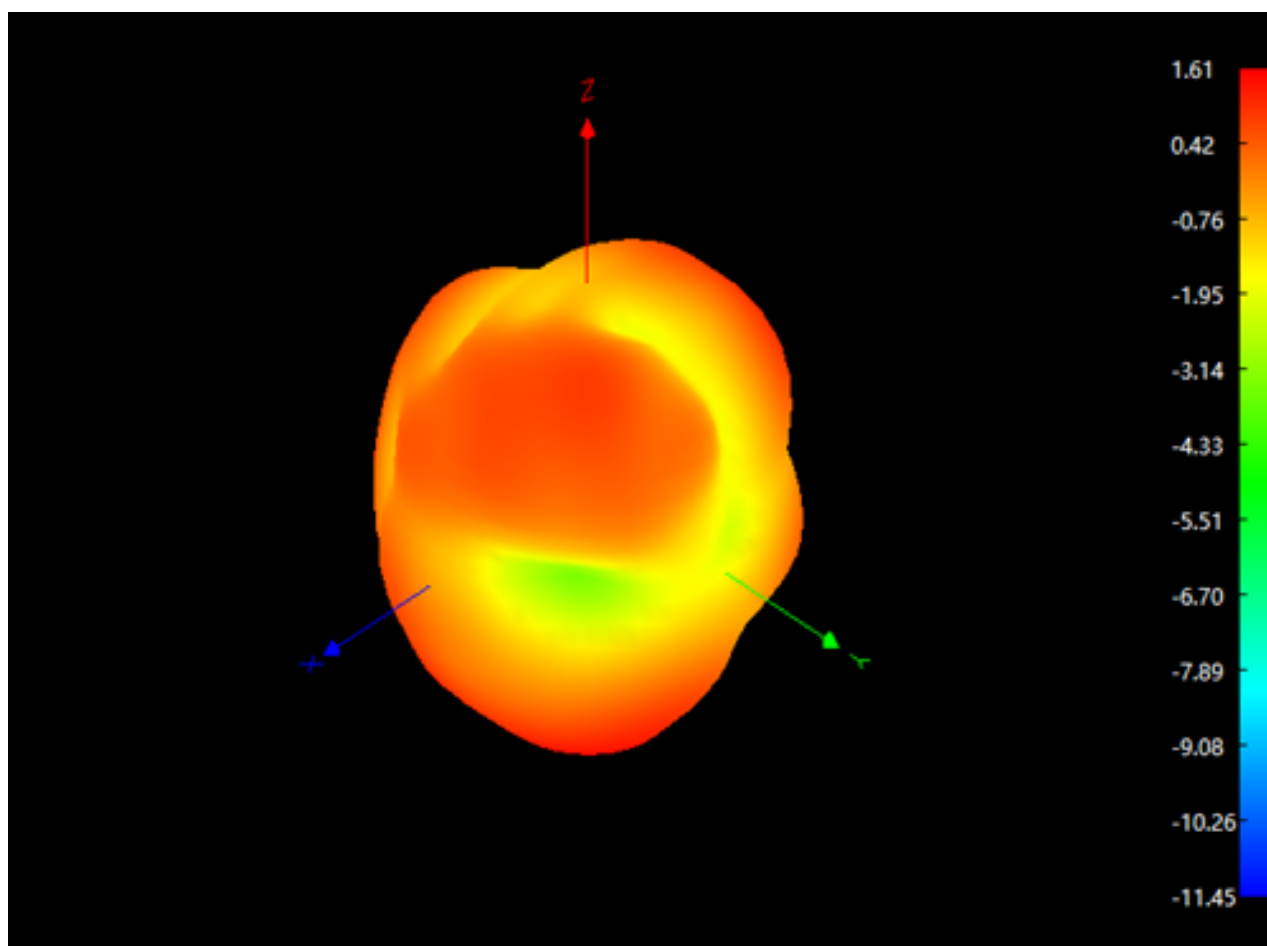
Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	41.4	-3.8	2.1
5200	42.5	-3.7	2.3
5250	45.4	-3.4	2.8
5300	45.9	-3.4	2.9
5350	42.7	-3.7	2.5
5400	48.8	-3.1	3.3
5450	49.9	-3.0	3.6
5500	44.3	-3.5	3.3
5550	49.9	-3.0	4.0
5600	52.4	-2.8	3.9
5650	44.1	-3.6	3.2
5700	46.8	-3.3	3.4
5750	47.4	-3.2	3.9
5800	46.0	-3.4	3.9
5850	45.6	-3.4	3.9



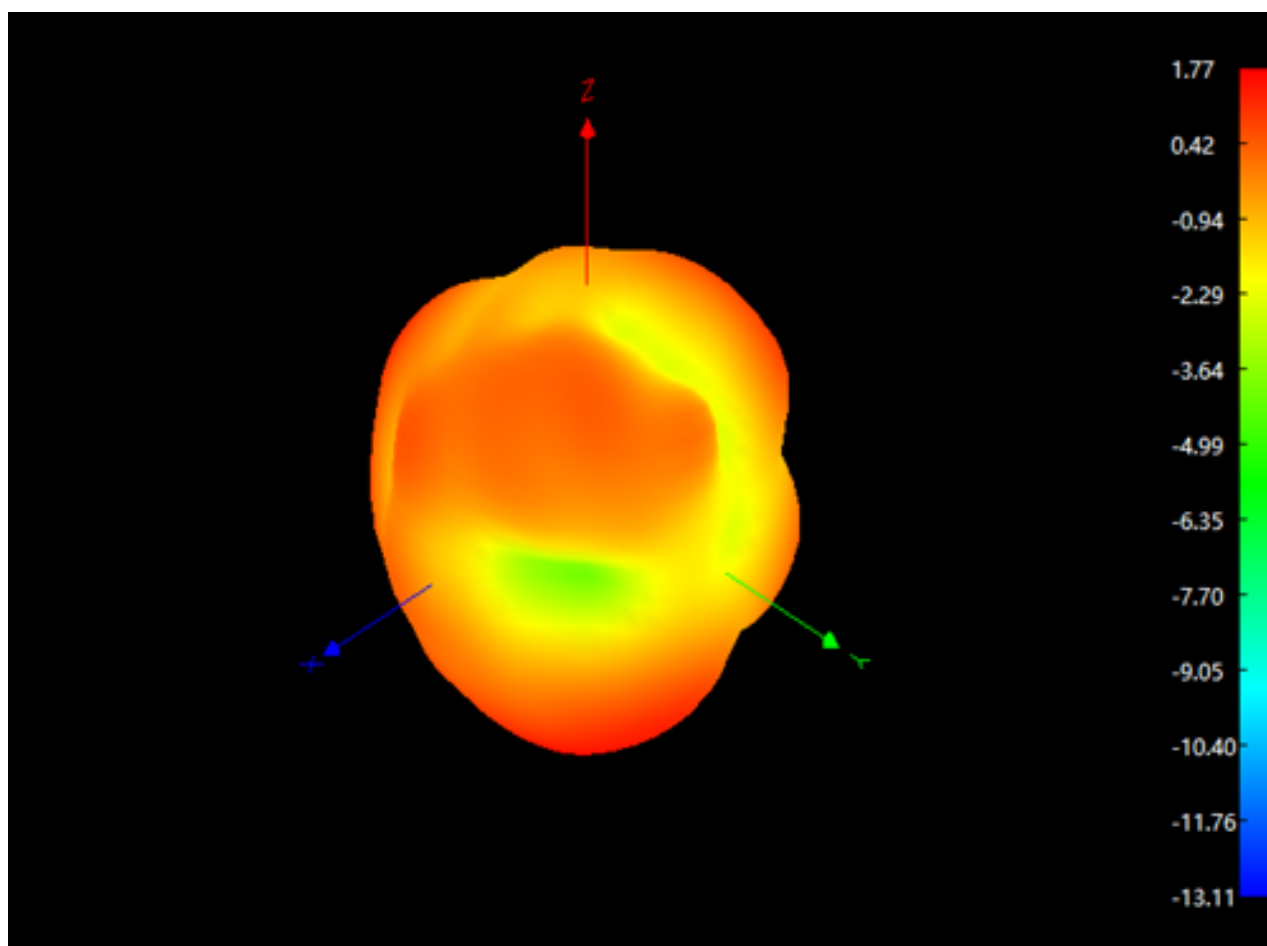


Radiation Pattern For WiFi Antenna (2400MHz)



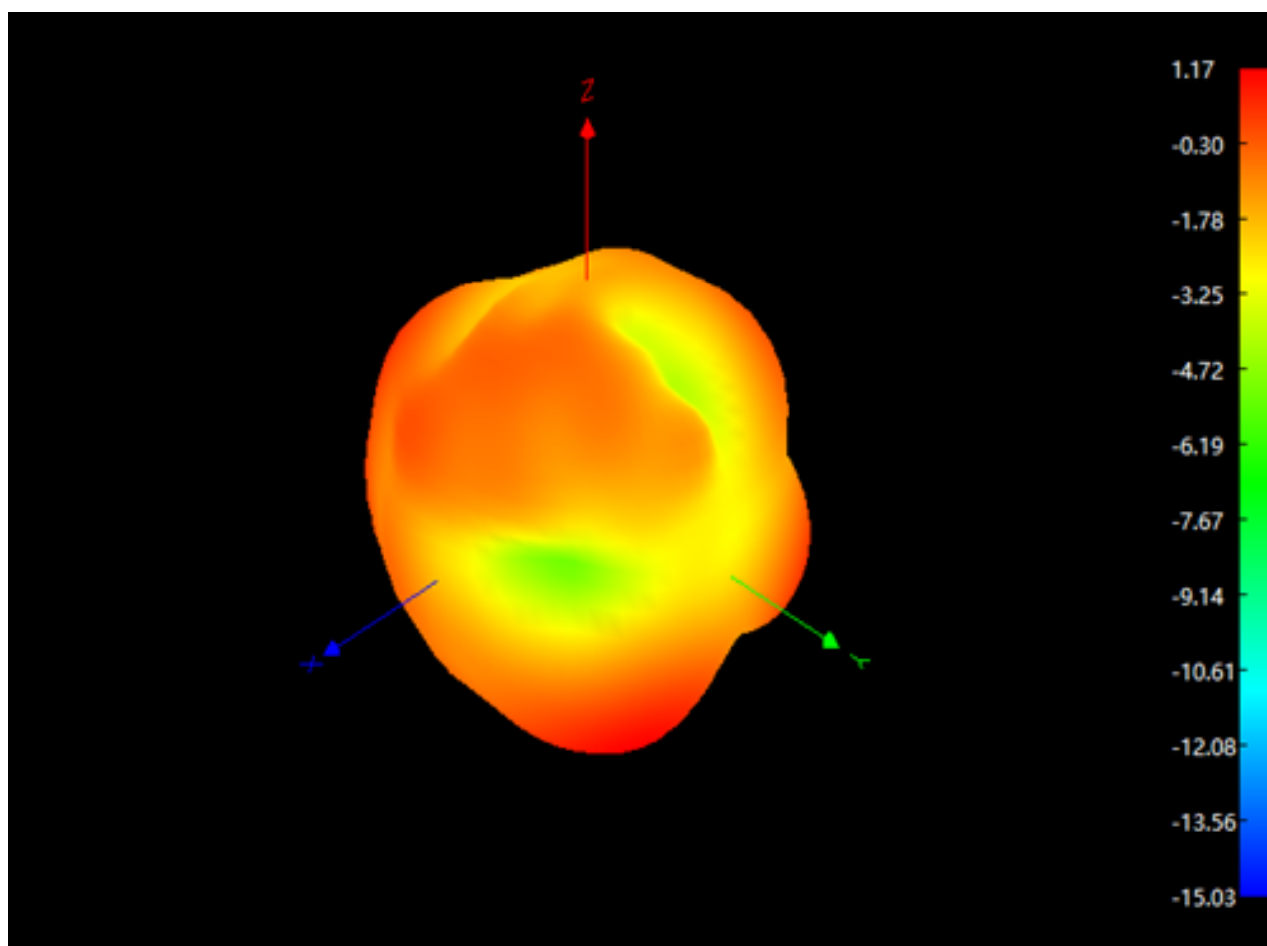


Radiation Pattern For WiFi Antenna (2450MHz)





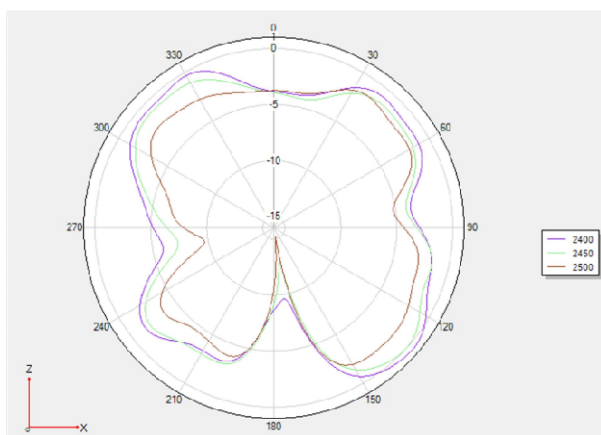
Radiation Pattern For WiFi Antenna (2500MHz)



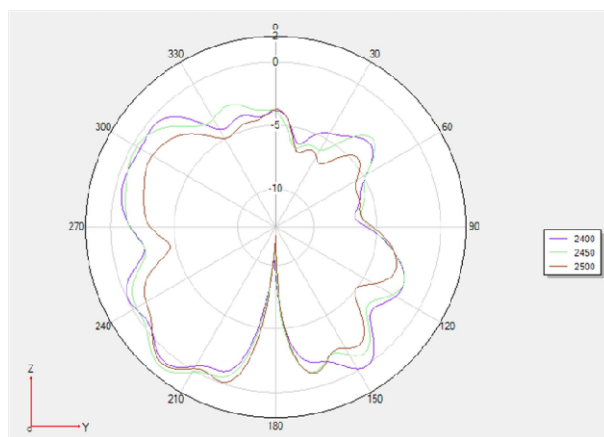


Radiation Pattern For WiFi Antenna

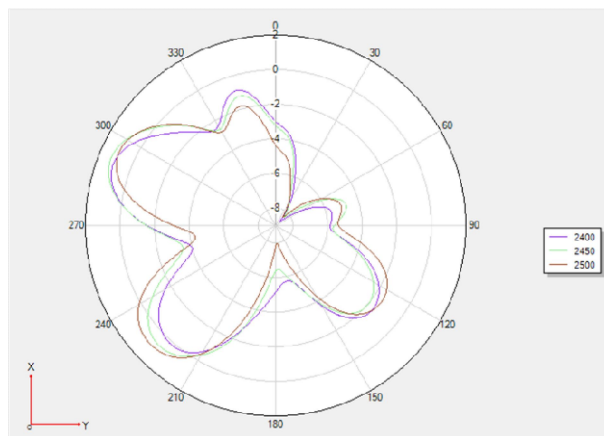
Phi 0°



Phi 90°

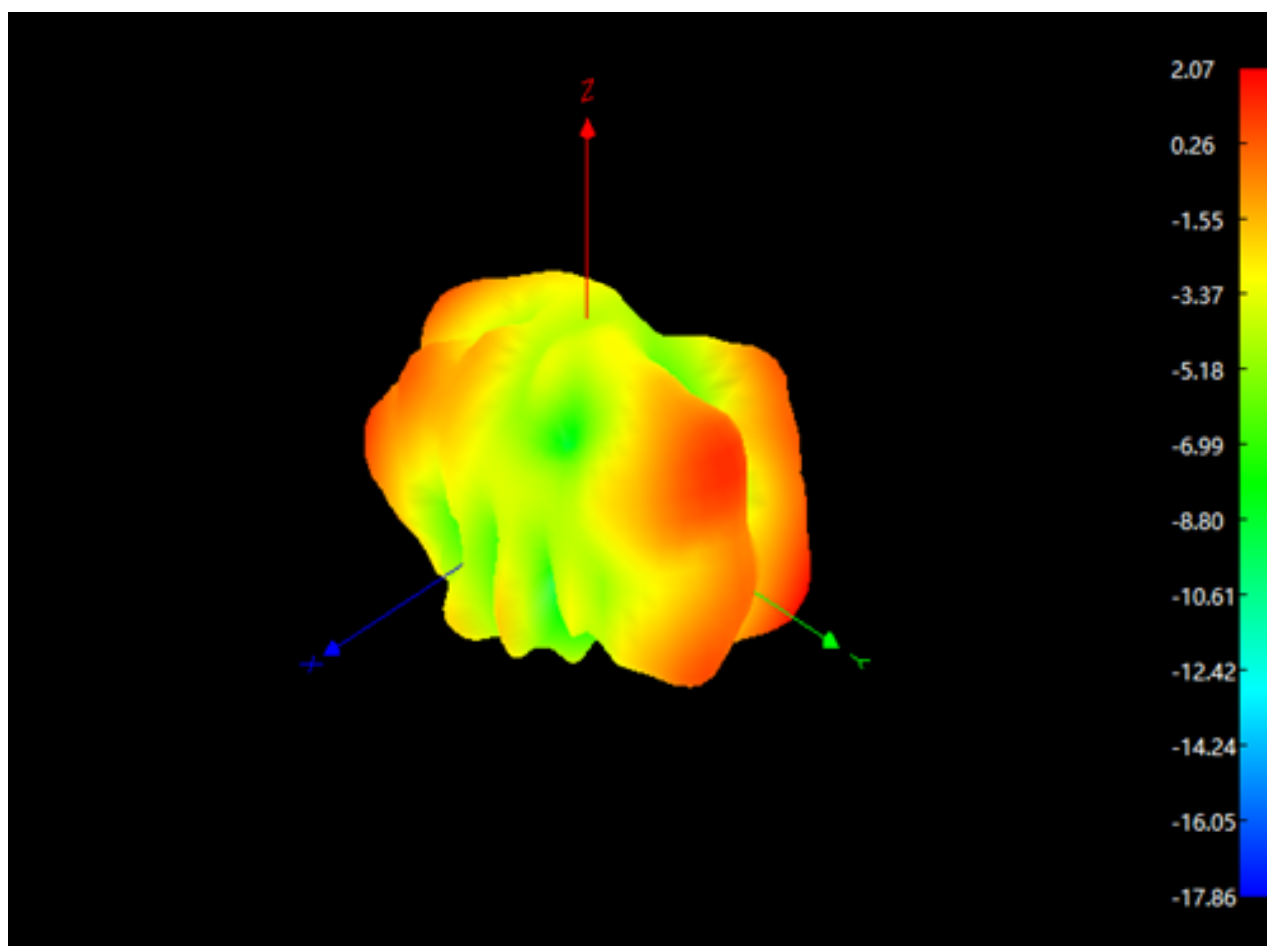


Theta 90°



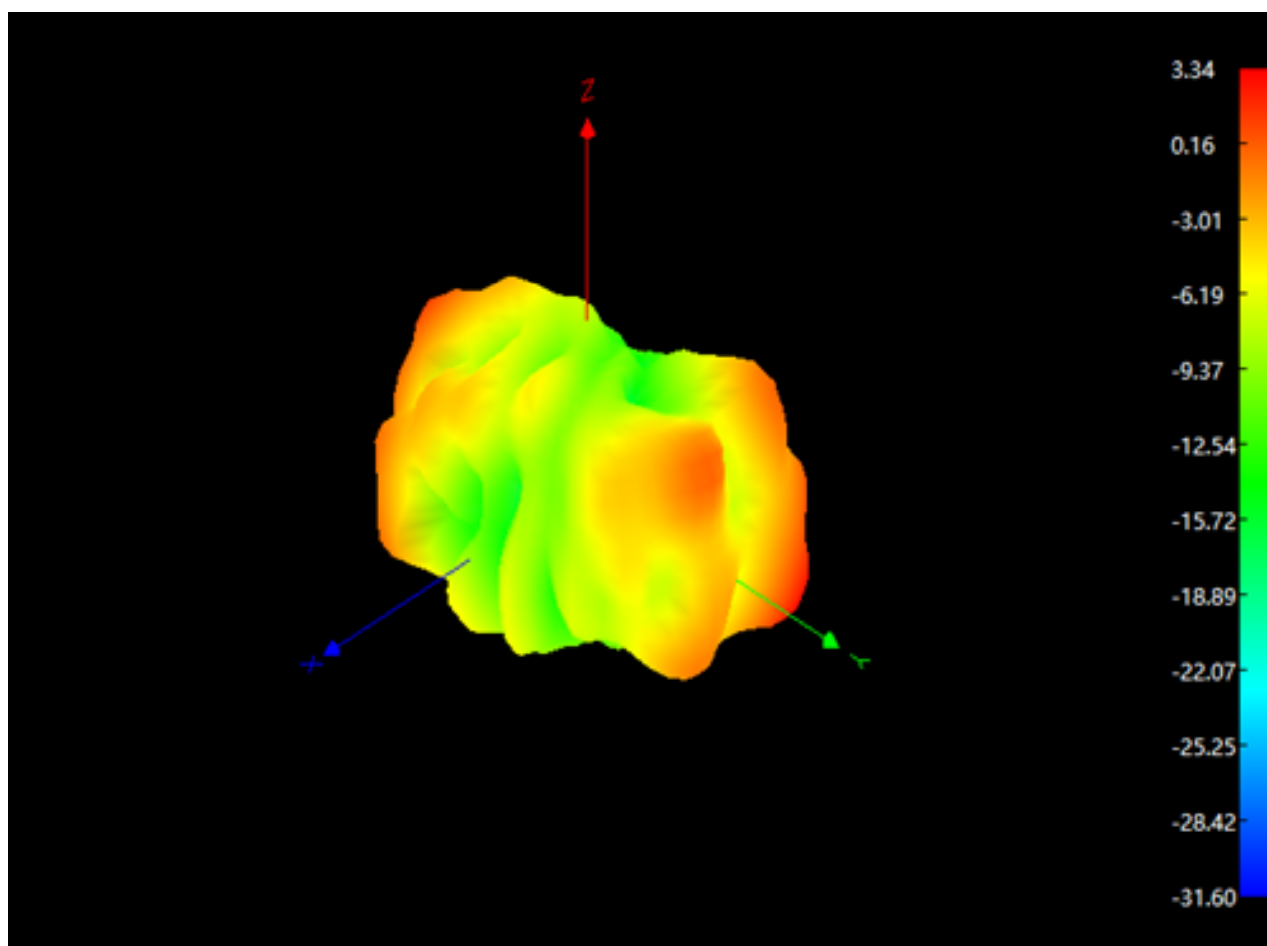


Radiation Pattern For WiFi Antenna (5150MHz)



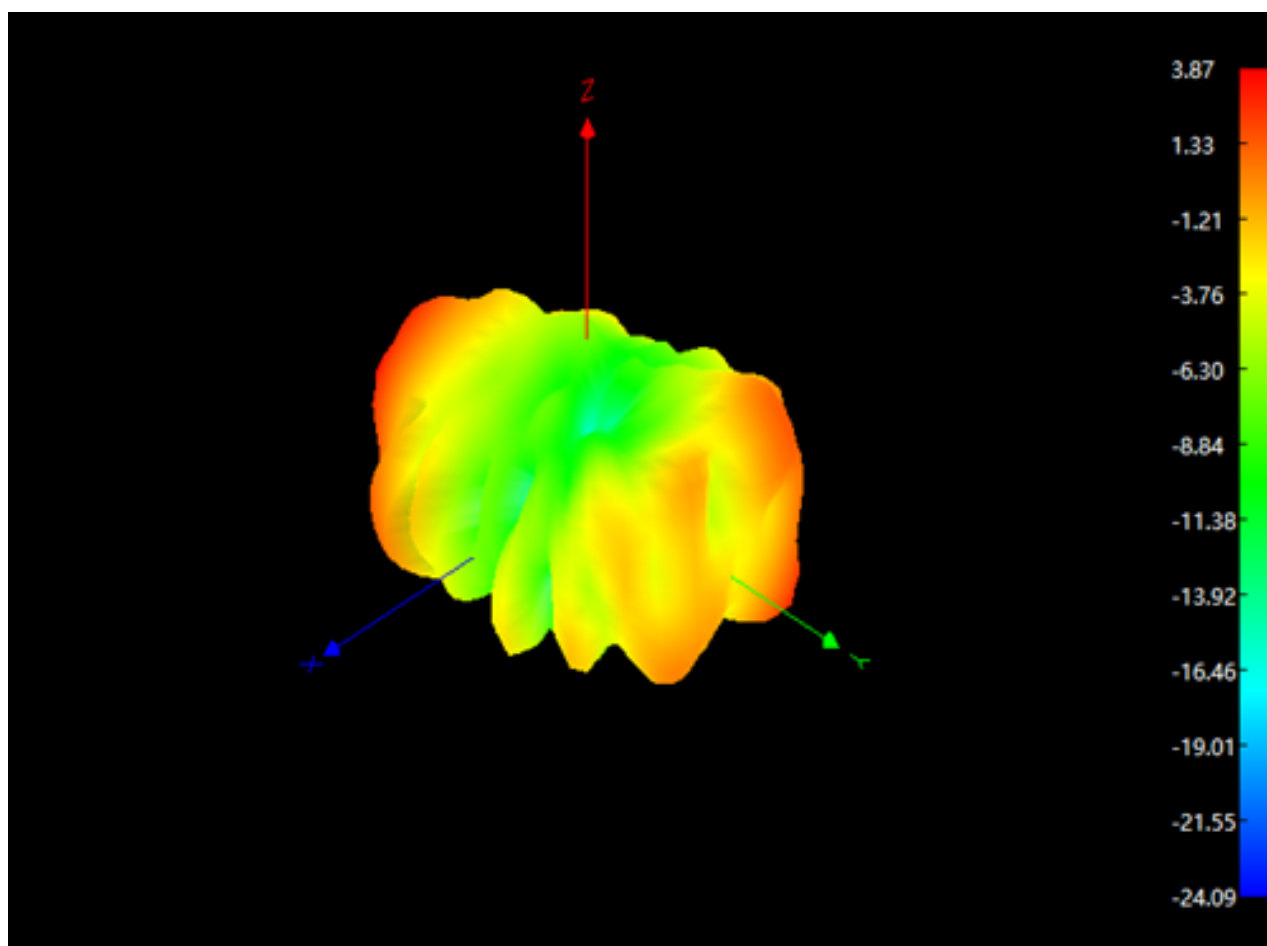


Radiation Pattern For WiFi Antenna (5500MHz)





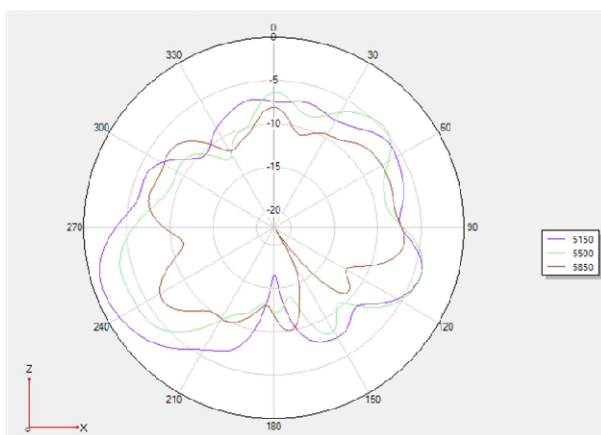
Radiation Pattern For WiFi Antenna (5850MHz)



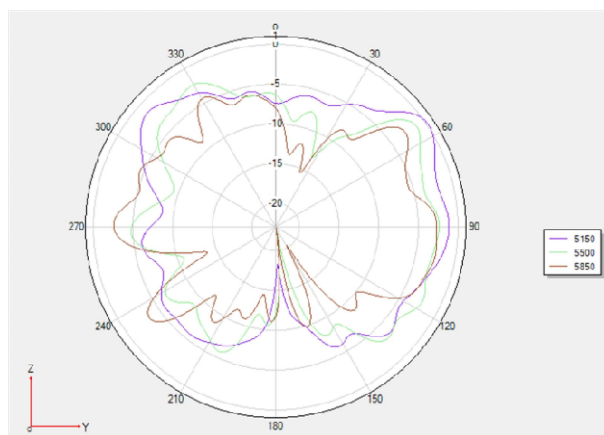


Radiation Pattern For WiFi Antenna

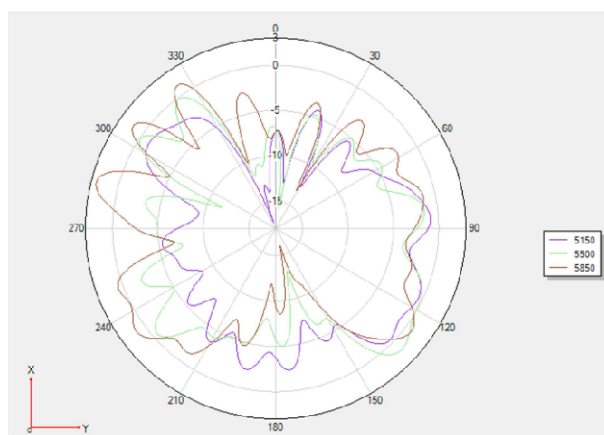
Phi 0°



Phi 90°



Theta 90°





Active Test For WiFi Antenna							
Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
WIFI 2.4G 802.11b	1	11Mbps	16.9	19.3	11Mbps	-89.9	-92.2
	6		17.0	19.6		-89.4	-92.2
	11		17.2	19.8		-89.9	-92.5
WIFI 2.4G 802.11g	1	6Mbps	17.3	19.8	54Mbps	-77.5	-79.9
	6		17.4	19.7		-77.4	-80.3
	11		17.9	20.6		-77.2	-80.1
WIFI 5G 802.11a	36	6Mbps	14.3	19.7	54Mbps	-75.6	-81.1
	149		15.4	21.6		-76.6	-82.9
	165		14.8	20.8		-76.5	-82.6





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Device



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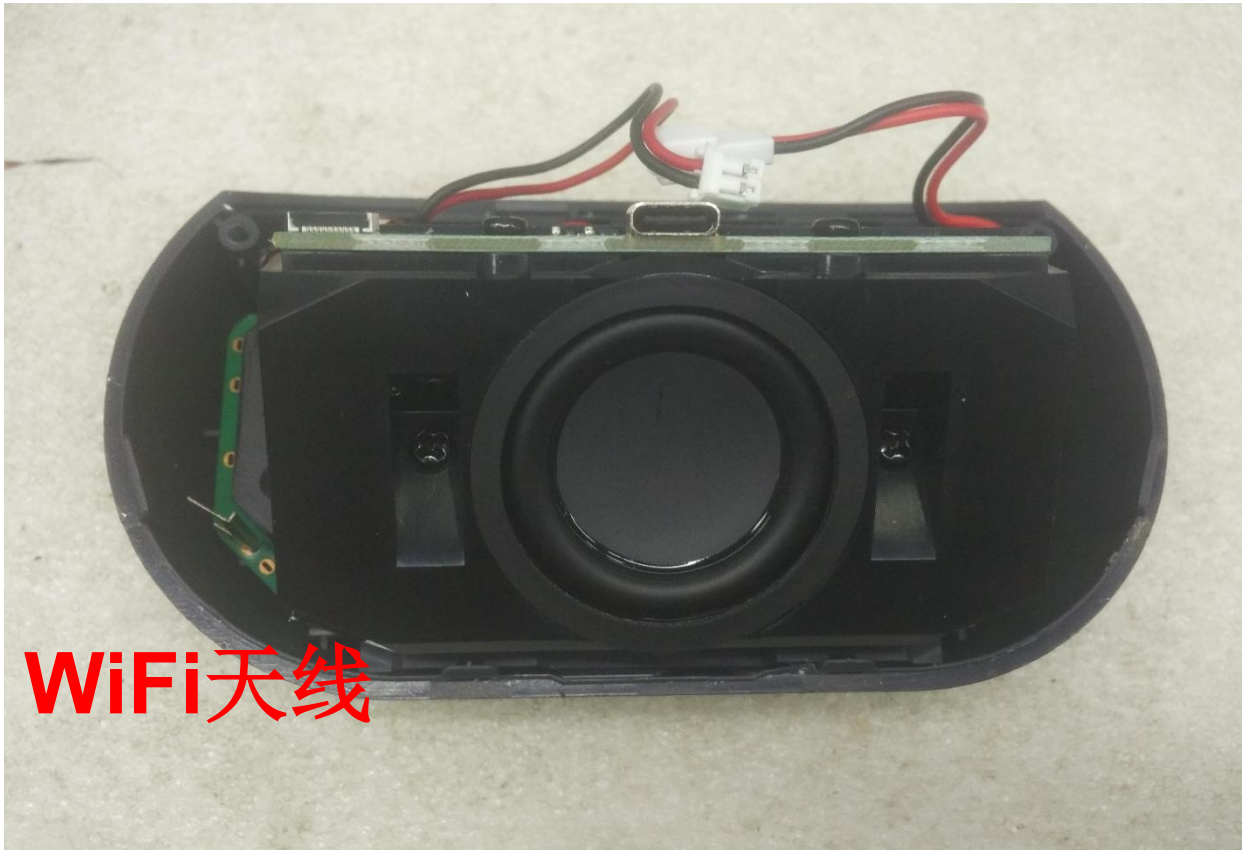
***WiFi
Antenna***



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WiFi天线



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