



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/06/03
编号 File No	25060301
版本 Revision	1.0

客户
CUSTOMER: 科莱德Klyde Electronics

客户料号
CUSTOMER NO: 高尔夫球车Golf Carts

品名
PART NAME: WIFI Dual-band Antenna L=500MM MHF

供方料号
SUPPLIER NO: YJL01.197.005.301A

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





承认书项目表

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11	N/A	N/A	N/A
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13	-	-	-



RoHS

Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE

A

Initial realese

2024-11-22

B



4	FPC	50.5*9.0MM	FPC	1
3	Coaxial Cable	O.D.1.37 Black	O.D.1.37	1
2	Heat Shrink Tube	L15.0mm/Ø2.5mm Black	EVA	1
1	SMA Male Reverse	Au Plated	Cu	1
NO	PART NAME	DESCRIPTION	MATERIAL	QTY



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DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

PART NAME:Wifi Dual-band Antenna L=500MM MHP

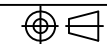
PART NO.: YJL01.197.005.301A

DATE: 2024-11-22

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

QINGJUN

WENBEI

Guangxi

UNITS: mm

X.X ±0.50

HE

JIANG

Liao

SCALE: 1/1

X.X ±0.15

REVISION: A

X° ±3°



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	3.5 dBi@2.4-2.5GHz 3.2 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	SMA Male Reverse
Cable Type	O.D.1.37mm
Cable Length	500mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

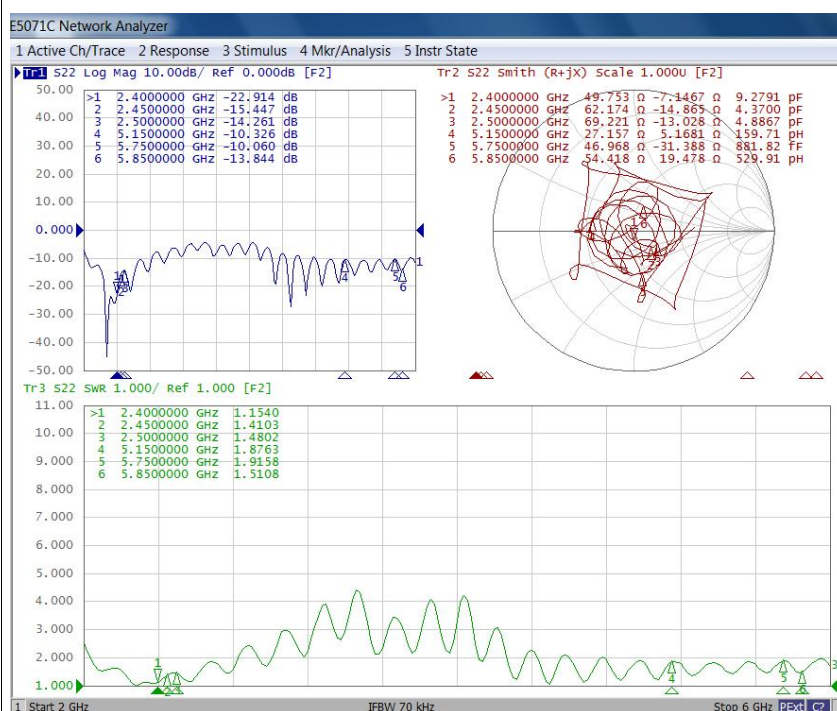




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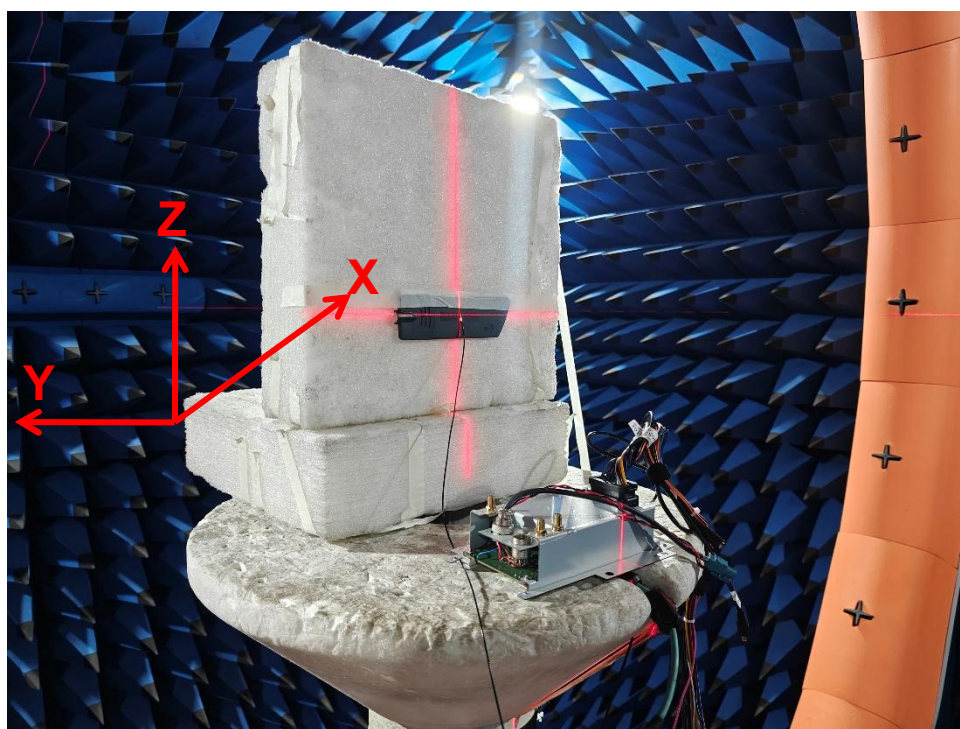
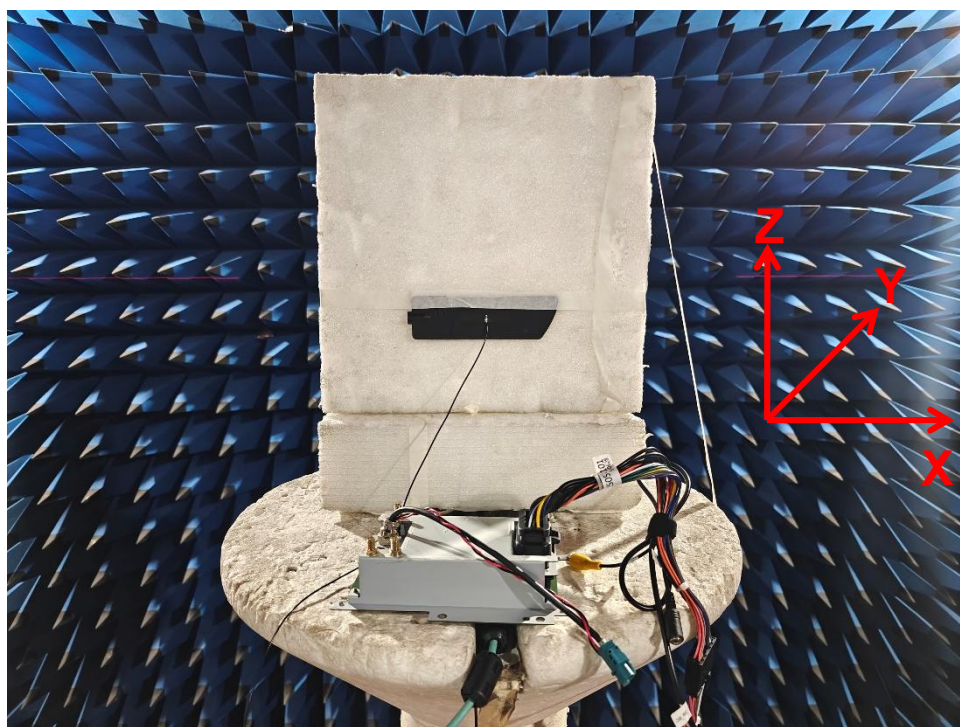
Antenna Performance Test

*Agilent
E5071C
S22
Parameter
Test //
WIFI
Antenna*





Antenna Passive Test





Passive Test For WIFI Antenna(2.4G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	63.4	-2.0	3.2
2410	63.2	-2.0	3.2
2420	63.1	-2.0	3.2
2430	62.8	-2.0	3.2
2440	61.9	-2.1	3.1
2450	63.7	-2.0	3.5
2460	61.2	-2.1	3.4
2470	60.0	-2.2	3.3
2480	56.6	-2.5	2.9
2490	57.4	-2.4	2.8
2500	55.6	-2.6	2.6





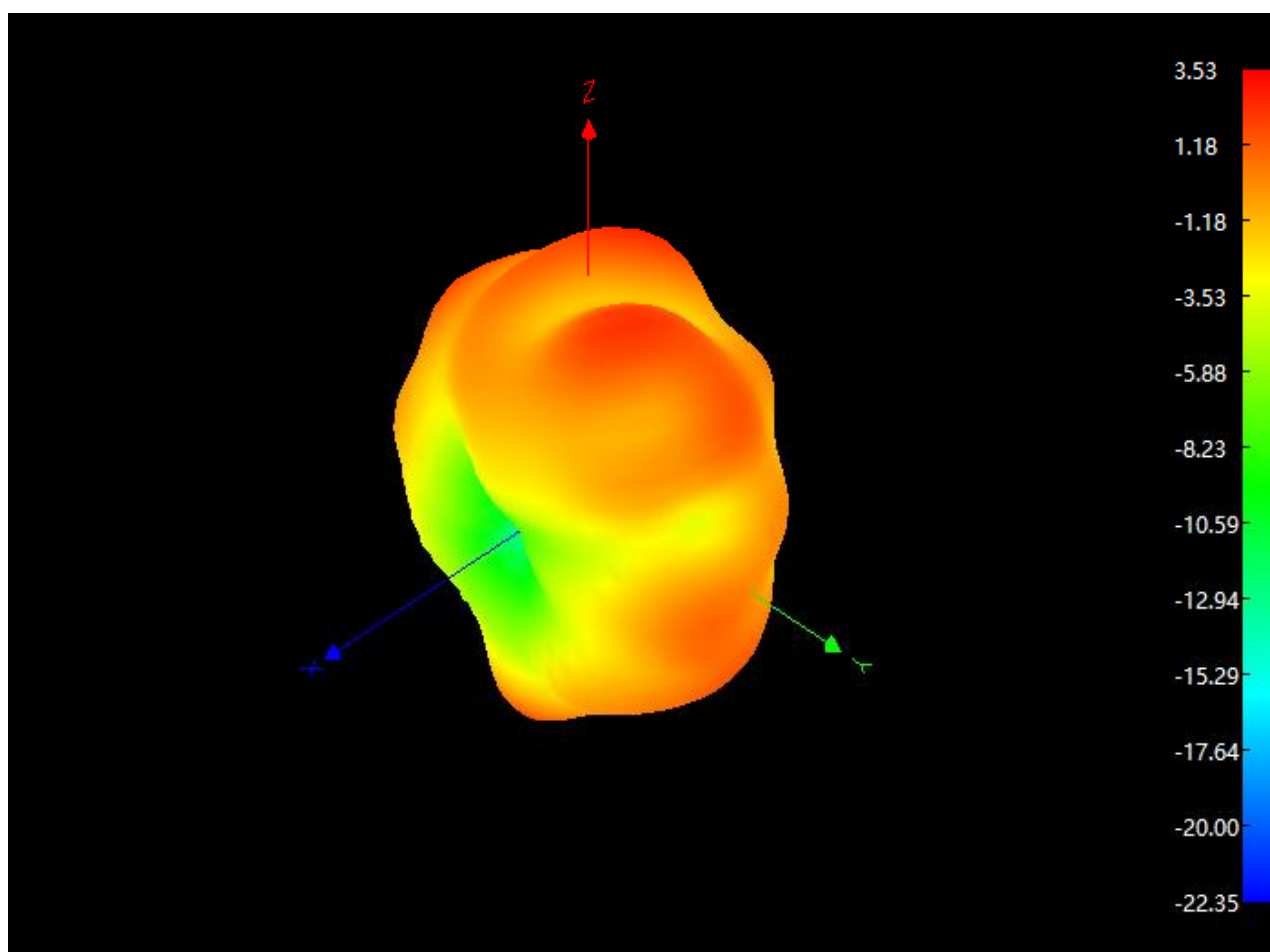
Passive Test For WIFI Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	60.8	-2.2	2.0
5200	63.2	-2.0	2.3
5250	64.0	-1.9	2.4
5300	57.4	-2.4	2.1
5350	49.1	-3.1	1.7
5400	56.2	-2.5	2.9
5450	55.9	-2.5	3.0
5500	47.9	-3.2	2.6
5550	50.9	-2.9	2.9
5600	58.2	-2.4	3.2
5650	51.5	-2.9	2.3
5700	48.0	-3.2	1.9
5750	55.0	-2.6	1.9
5800	57.0	-2.4	2.5
5850	51.4	-2.9	2.4



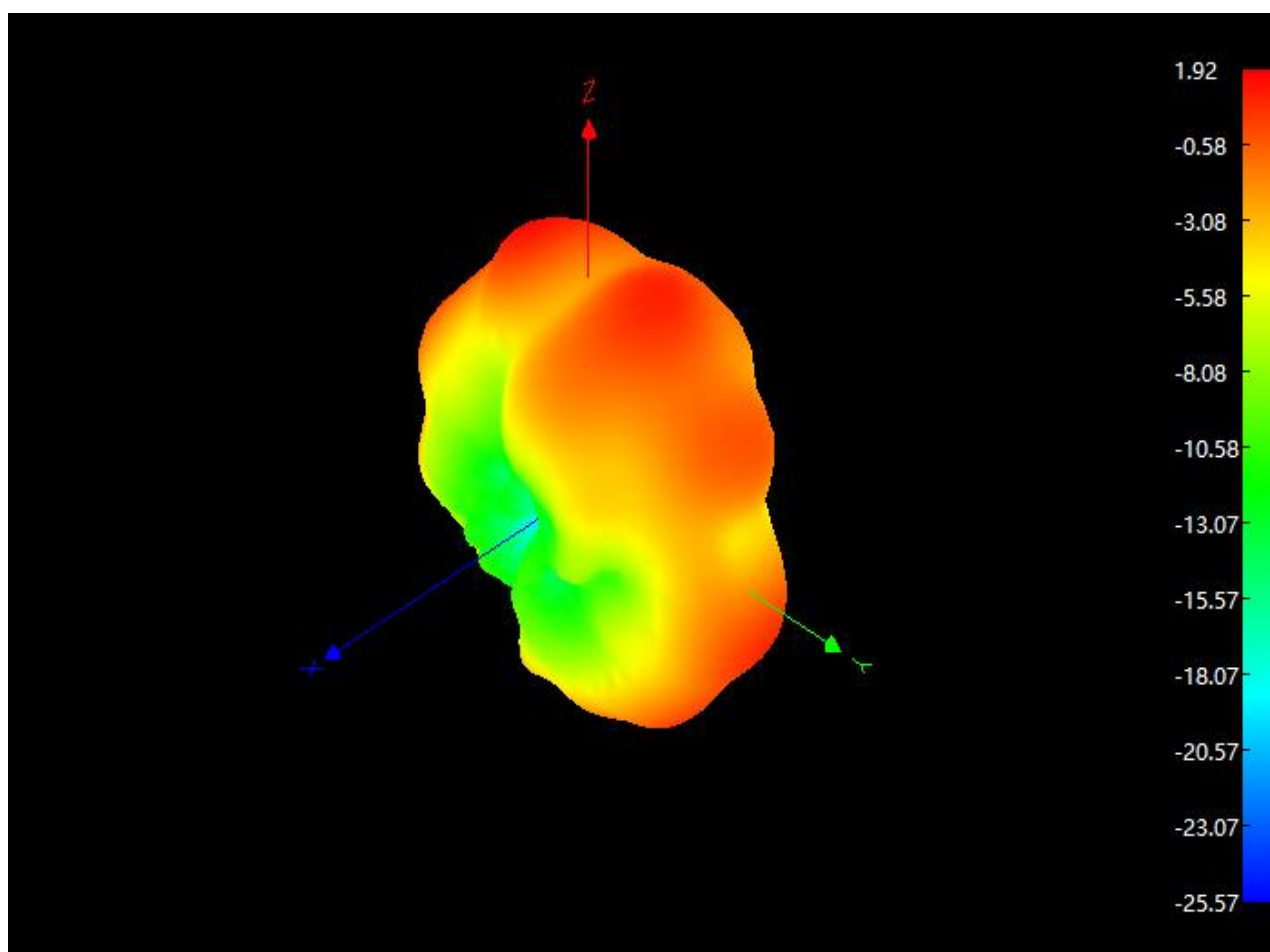


Radiation Pattern For WIFI Antenna(2450MHz)





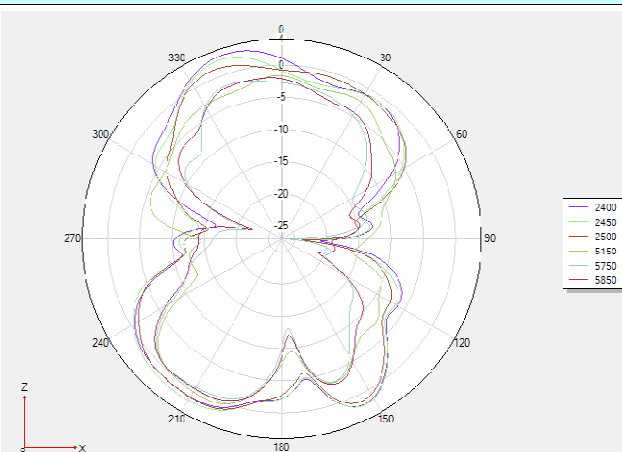
Radiation Pattern For WIFI Antenna(5750MHz)



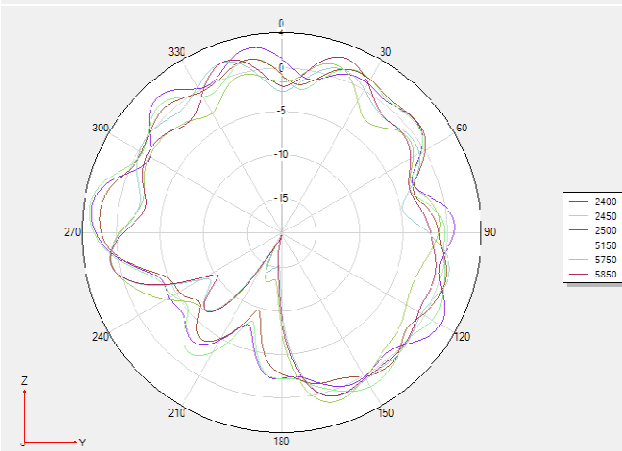


Radiation Pattern For WIFI Antenna

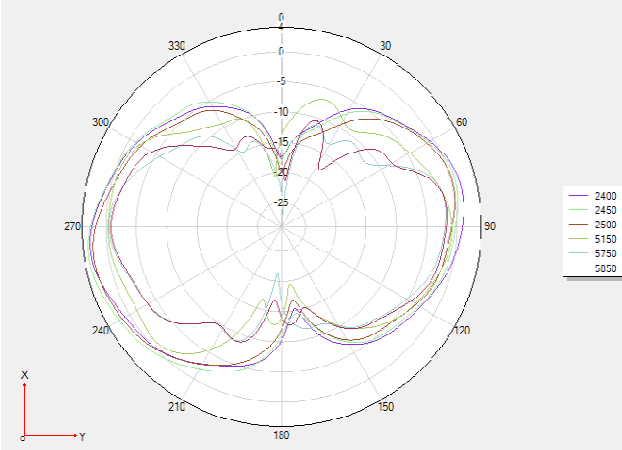
Phi 0°



Phi 90°



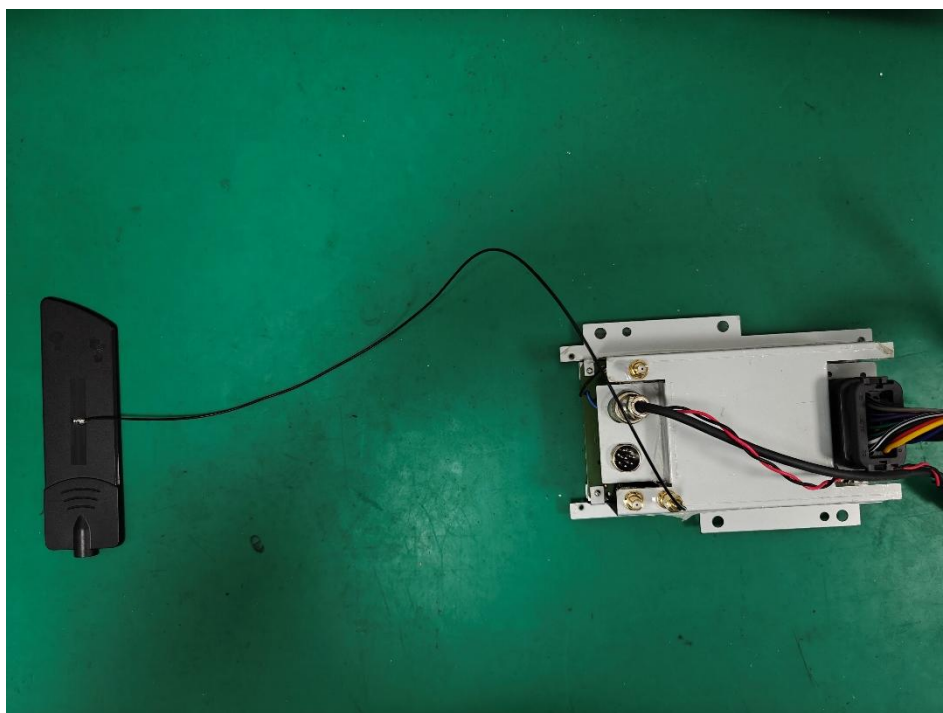
Theta 90°





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Device



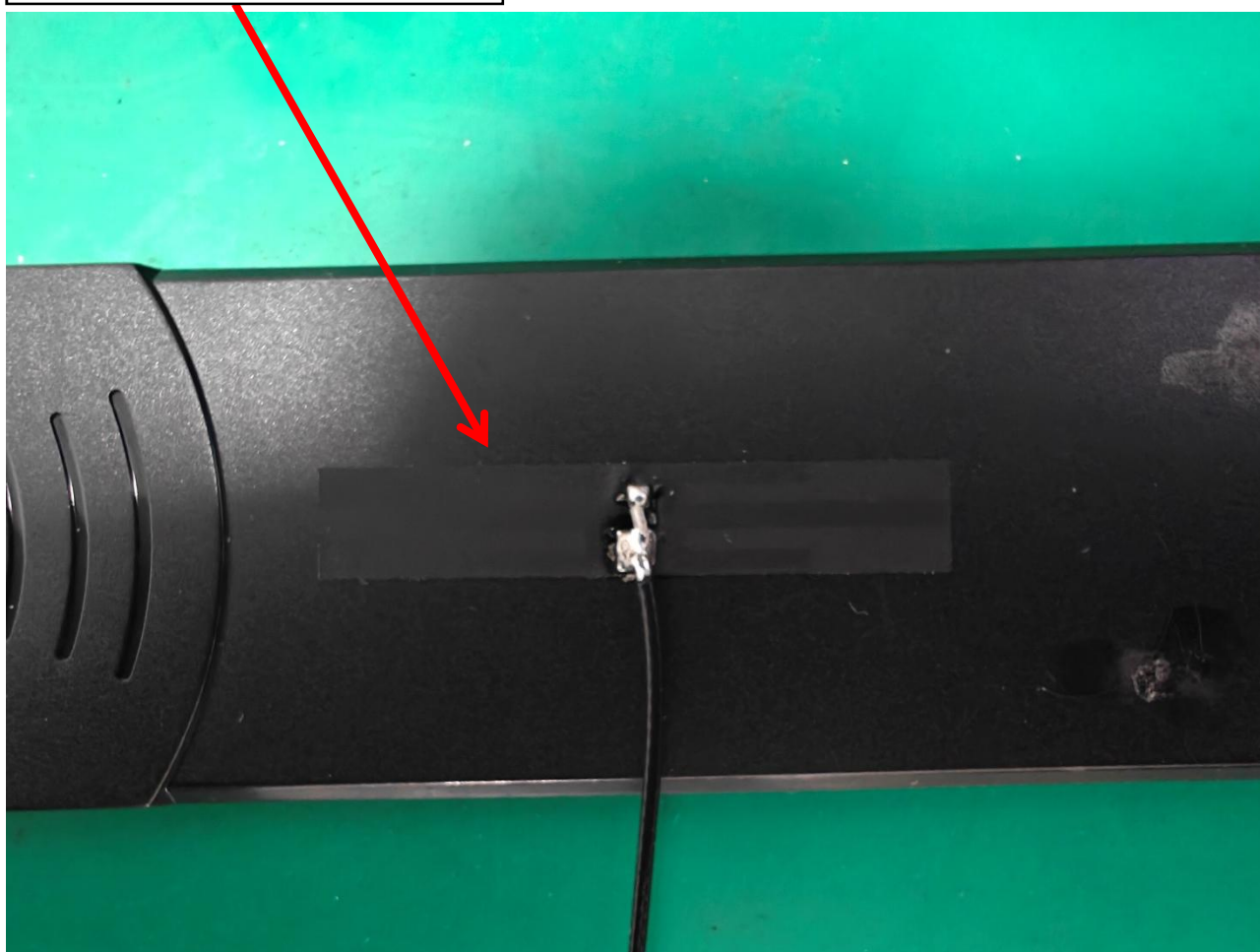
*WIFI
Antenna*





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

WIFI Antenna



N0.59 Muyu Road, Shatou Community, Changan town, Dongguan City, Guangdong Province
广东省东莞市长安镇沙头社区木鱼路59号