



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/04/29
编号 File No	25042901
版本 Revision	1.0

客户
CUSTOMER: 拓竹

客户料号
CUSTOMER NO: M2E

品名
PART NAME: WiFi Antenna

供方料号
SUPPLIER NO: YJT01.226.012.301A

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





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

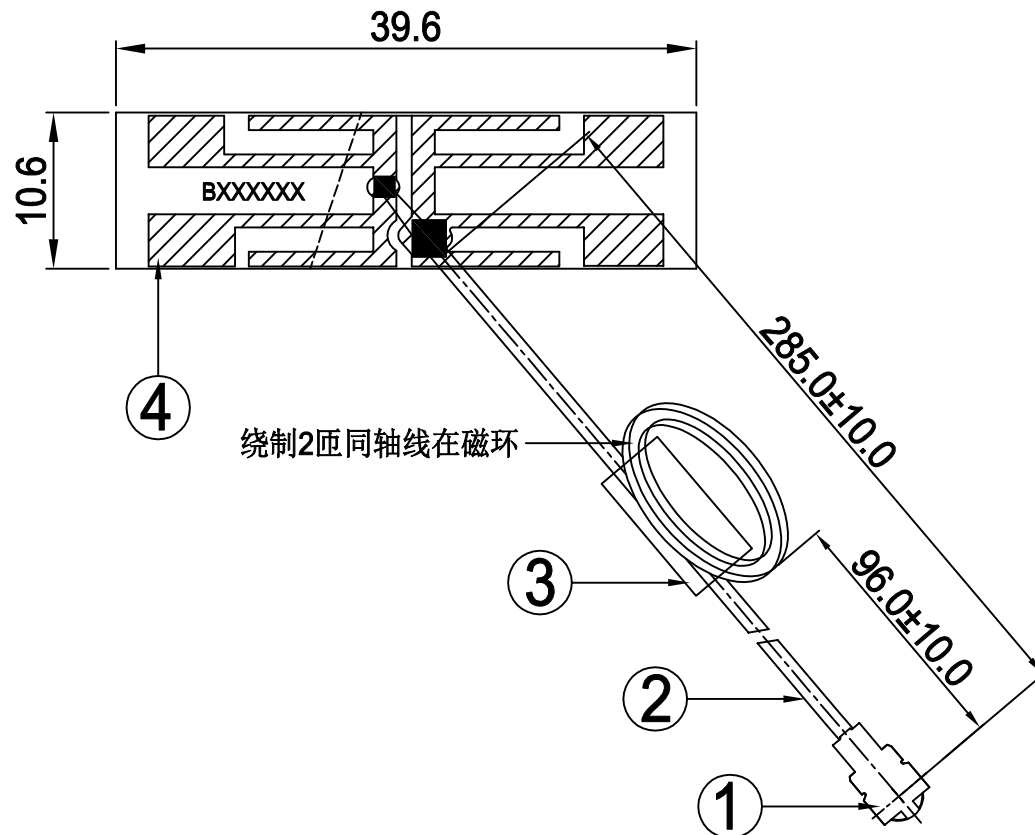
DATE

A

首次发行

2025-03-29

B



B XXXXXXXX
1 2

印字说明:

1. 字母B固定不变。
2. XXXXXXXX 表示下订生产年月日随日期变更。

备注说明变更日期以订单日期为准。

列举说明: 订单日期为2024年12月09日, 则印字内容为 B20241209

4	FPCB	39.6*10.6MM	FPCB	1
3	磁环	BBL客供		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

PART NO.: YJT01.226.012.301A

DATE: 2025-03-29

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

王业昕

江文倍

廖光喜

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±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	2.0 dBi@2.4-2.5GHz 1.6 dBi@5.15-5.85GHz
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type/Abtenna Type	O.D.1.13mm/FPC Antenna
Cable Length	285mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

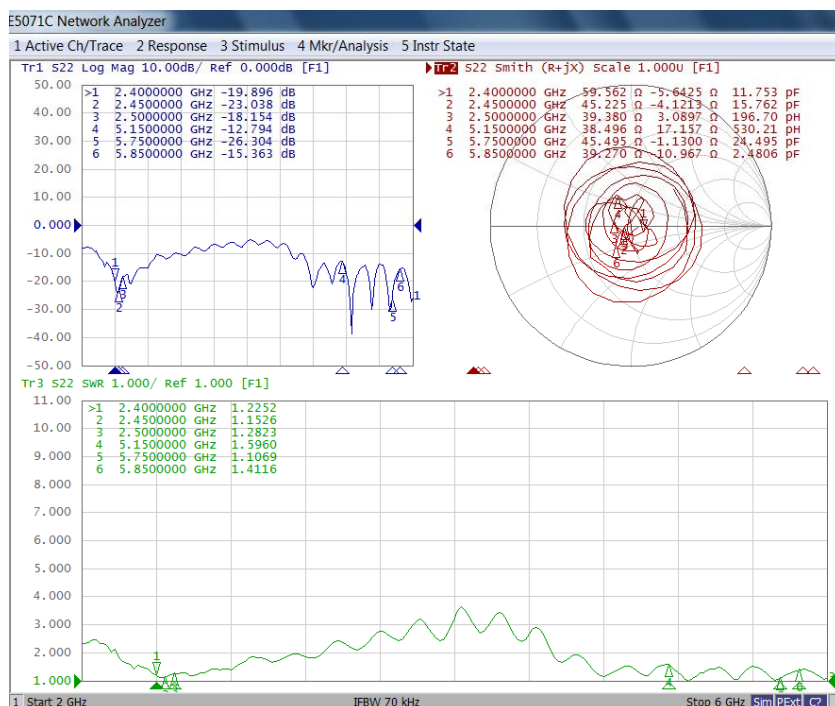




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Antenna Performance Test

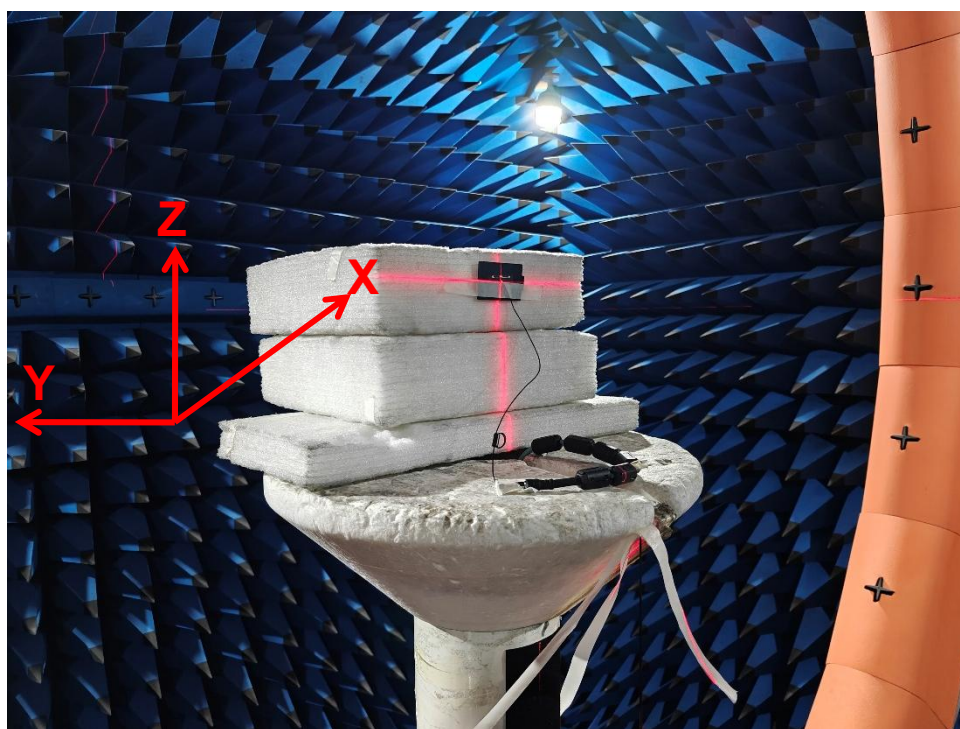
*Agilent
E5071C
S22
Parameter
Test //
WIFI
Antenna*



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



Antenna Passive Test





Passive Test For WIFI Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	50.4	-3.0	1.8
2410	51.4	-2.9	1.7
2420	52.8	-2.8	1.6
2430	55.2	-2.6	1.7
2440	55.5	-2.6	1.6
2450	57.0	-2.4	1.9
2460	55.5	-2.6	1.6
2470	56.6	-2.5	2.0
2480	54.5	-2.6	1.6
2490	56.0	-2.5	1.7
2500	53.2	-2.7	1.4



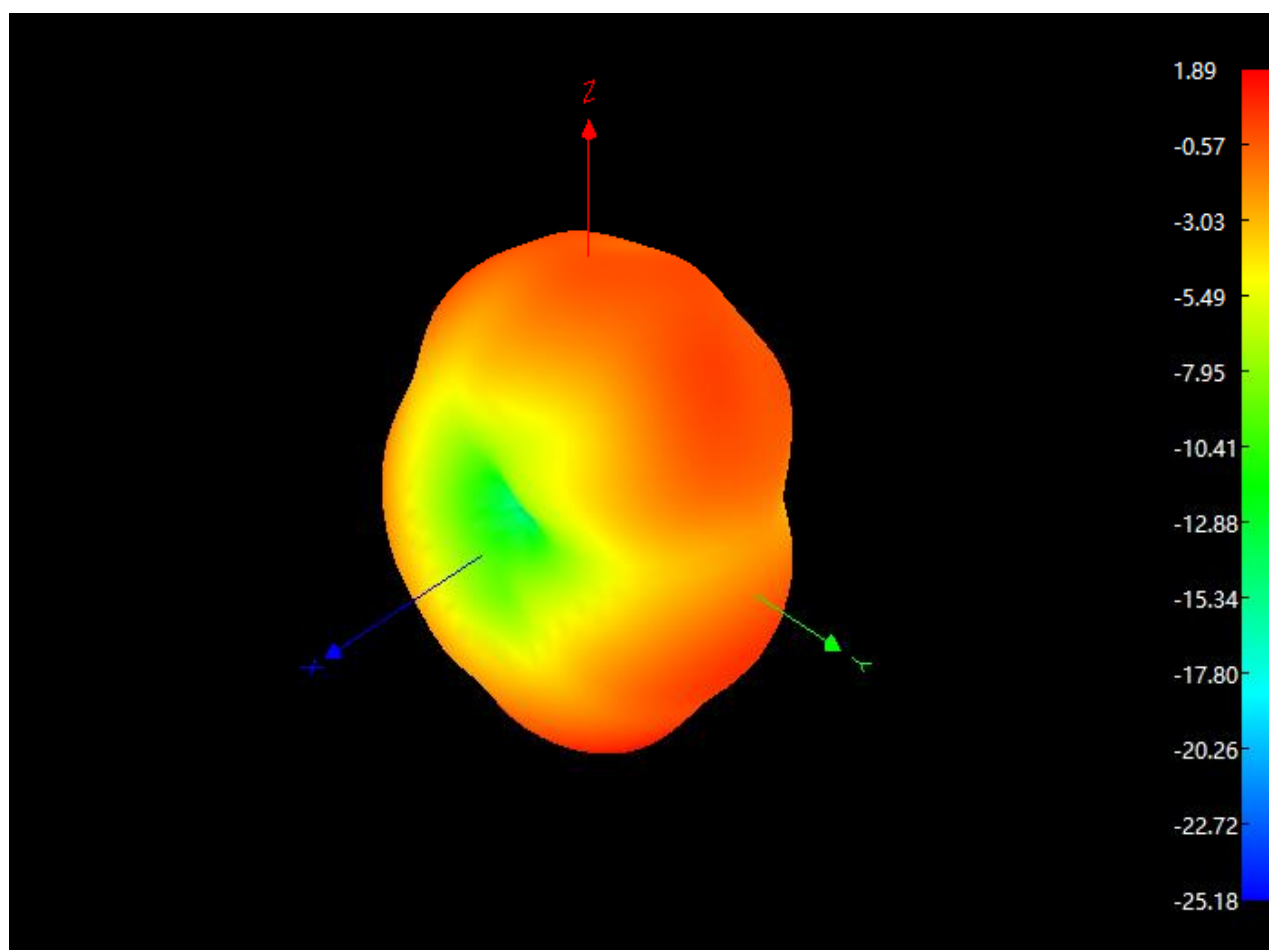


Passive Test For WIFI Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	40.0	-4.0	1.0
5200	41.9	-3.8	1.0
5250	40.5	-3.9	1.0
5300	38.4	-4.2	0.7
5350	38.5	-4.2	1.0
5400	41.3	-3.8	1.6
5450	40.6	-3.9	1.4
5500	35.8	-4.5	0.8
5550	41.1	-3.9	1.2
5600	41.7	-3.8	0.9
5650	37.2	-4.3	0.4
5700	37.1	-4.3	0.6
5750	43.2	-3.7	0.9
5800	40.0	-4.0	1.1
5850	37.8	-4.2	0.8



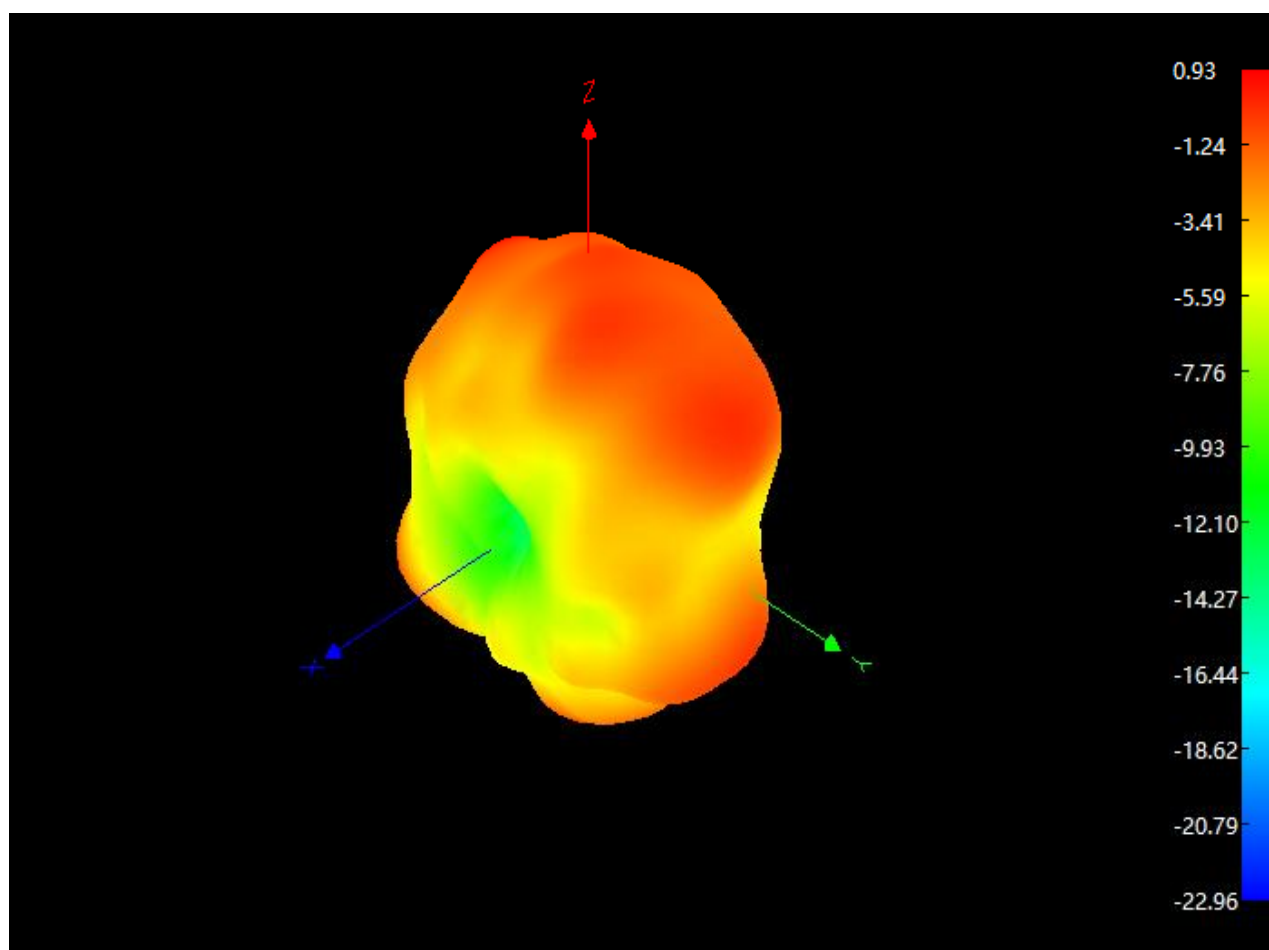


Radiation Pattern For WIFI Antenna(2450MHz)





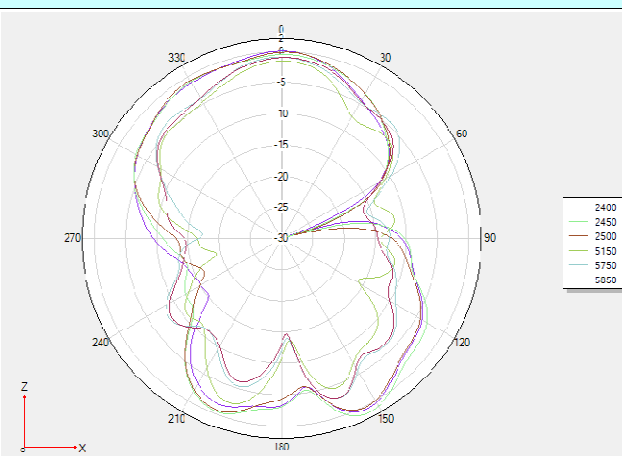
Radiation Pattern For WIFI Antenna(5750MHz)



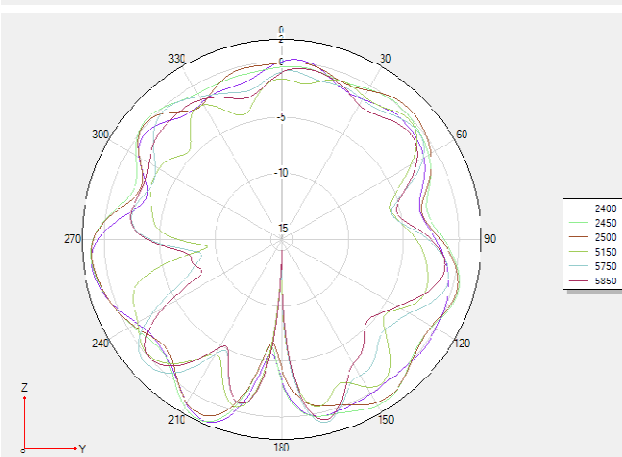


Radiation Pattern For WIFI Antenna

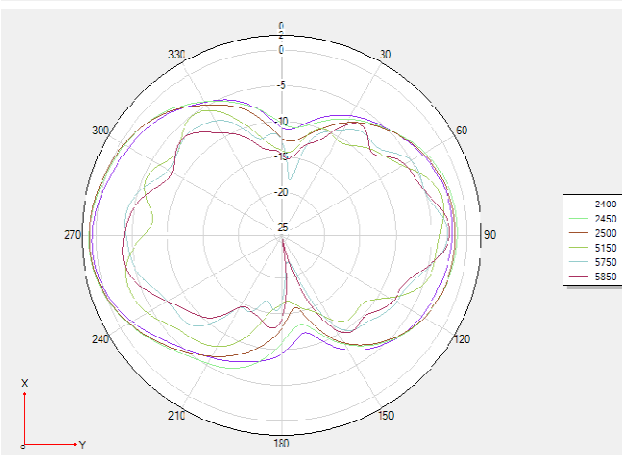
Phi 0°



Phi 90°



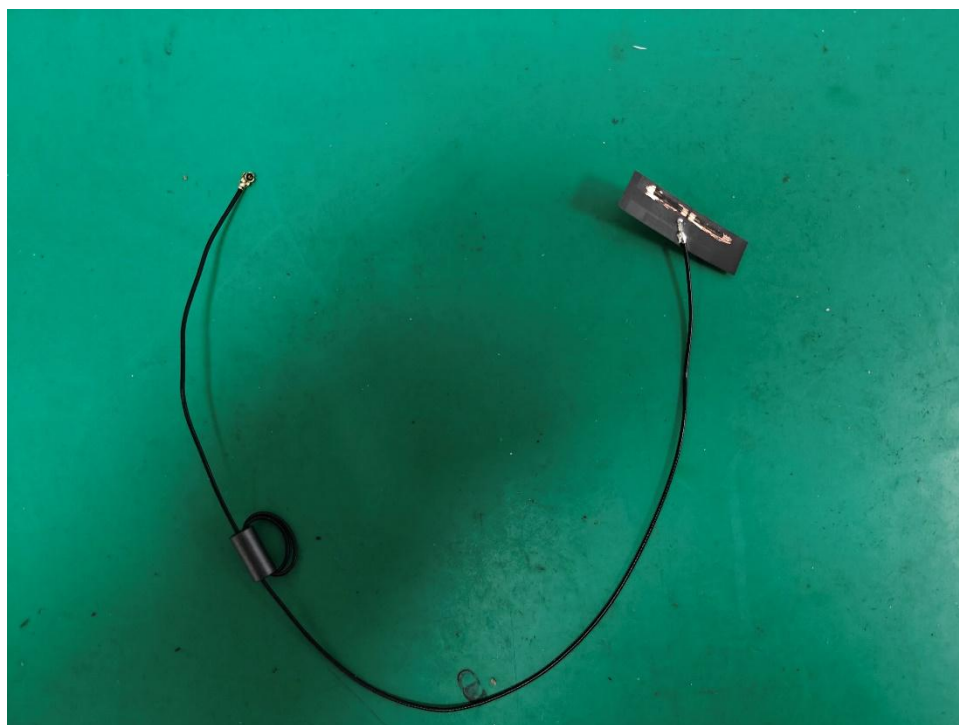
Theta 90°





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***WIFI
Antenna***

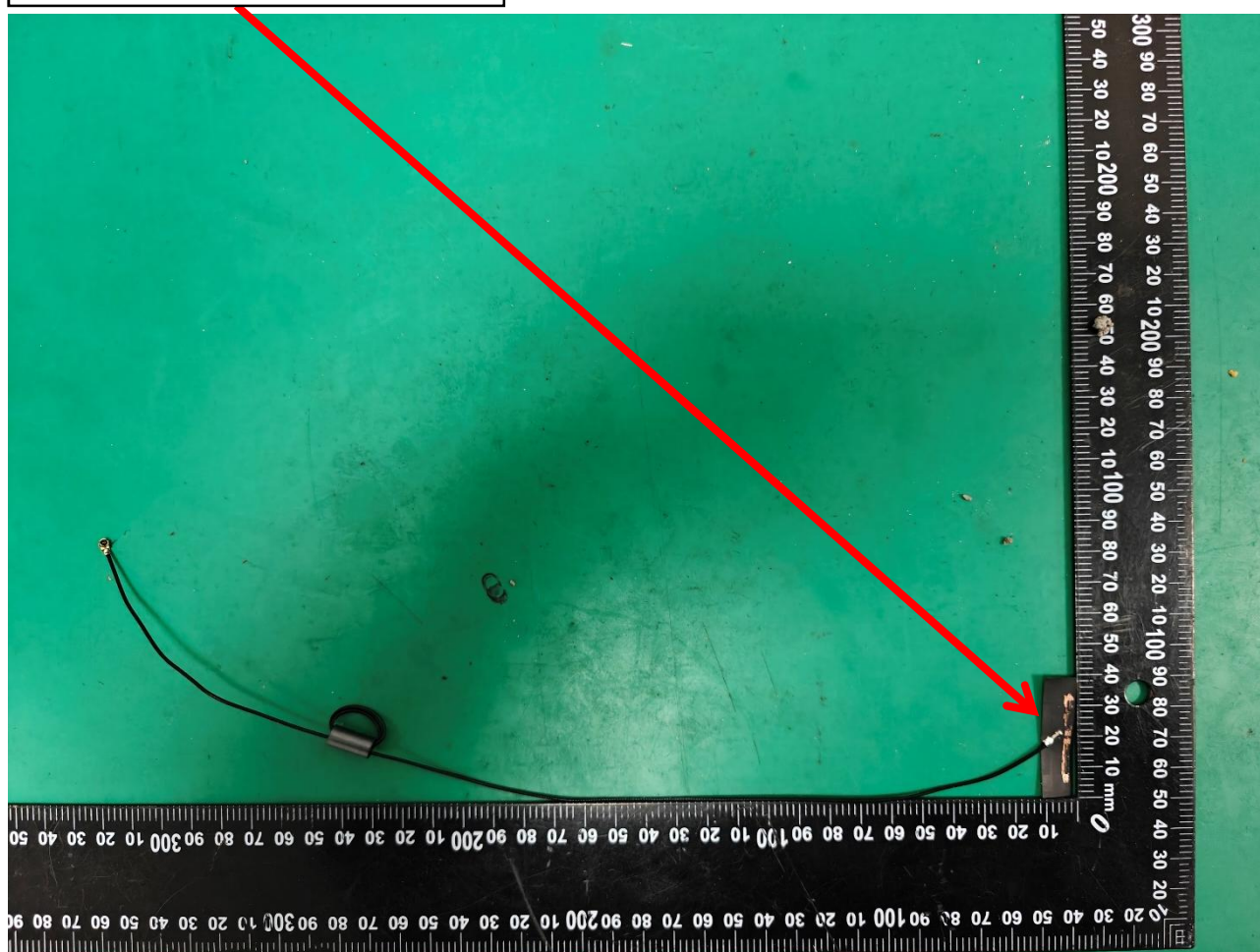


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WIFI Antenna



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