



深圳市金利源兴电子有限公司

Shen zhen Golden-Resource Electronic Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2024/05/20
编号 File No	24052002
版本 Revision	1.0

客户
CUSTOMER: SMART ELECTRONIC INDUSTRIAL CO.,LTD.

客户料号
CUSTOMER NO:

品名
PART NAME: 2.4G Antenna

供方料号
SUPPLIER NO: YJW01.029.124.302A

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	ChenXingcheng

YJ-RD-F04-A



承认书项目表

Spec Item

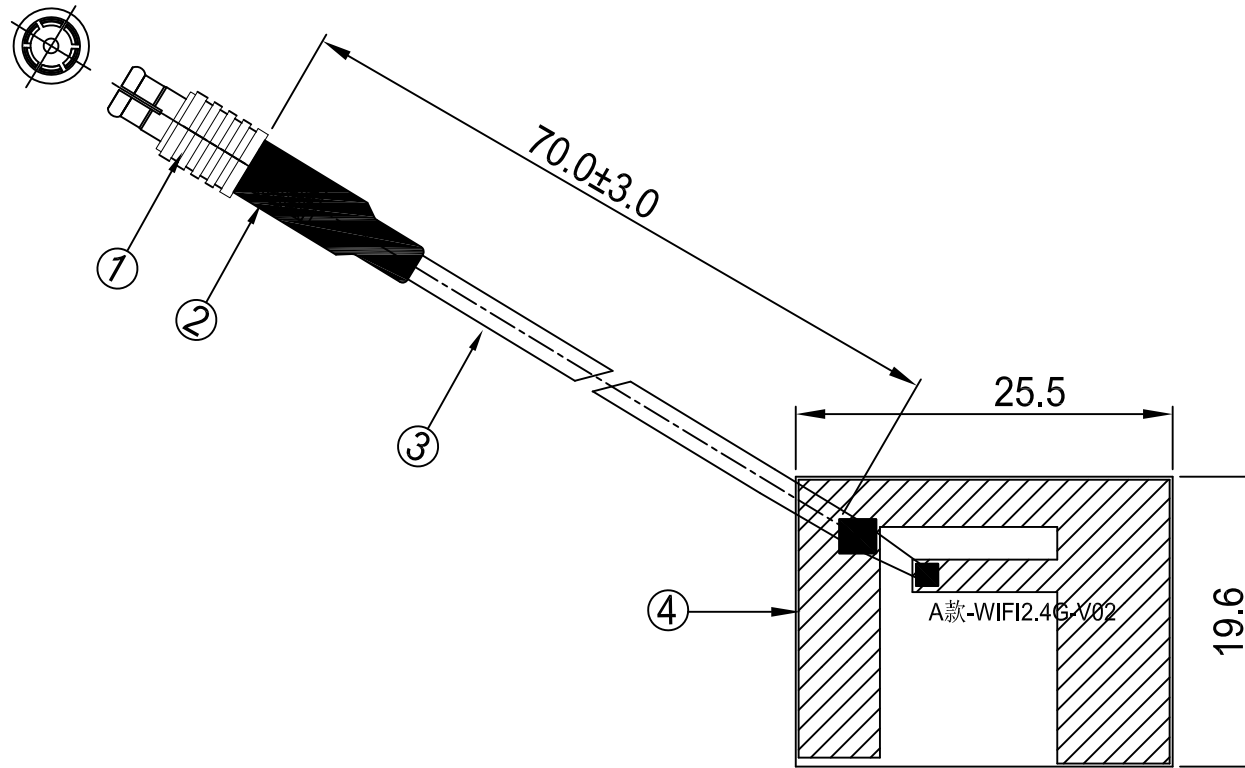
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11	N/A	N/A	N/A
12	-	-	-
13	-	-	-

RoHS

Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
⚠	initial issue	2024-02-19
⚠		



4	FPCB	25.5*19.6MM	FPCB	FPC1000XA.P01	1
3	Coaxial Cable	O.D.1.37 Black	O.D.1.37	COA1000XA.P01	1
2	Hot Shrink Tube	L15mm/Ø2.5mm	EVA Black	PLA1000XA.P01	1
1	MCX Female	Au Plated	Cu	CON10158A.P03	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

Shen zhen Golden-Resource Electronic Co.,Ltd.					
PART NAME: 2.4G Antenna					
PART NO.: YJW01.029.124.302A			DATE: 2024-02-19		
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance	
Yin tao	tanguohao	Lusenhua		X.X ±0.50	
				X.XX±0.15	
			UNITS: mm	X° ±3°	
			SCALE: 1/1		
			REVISION: A		



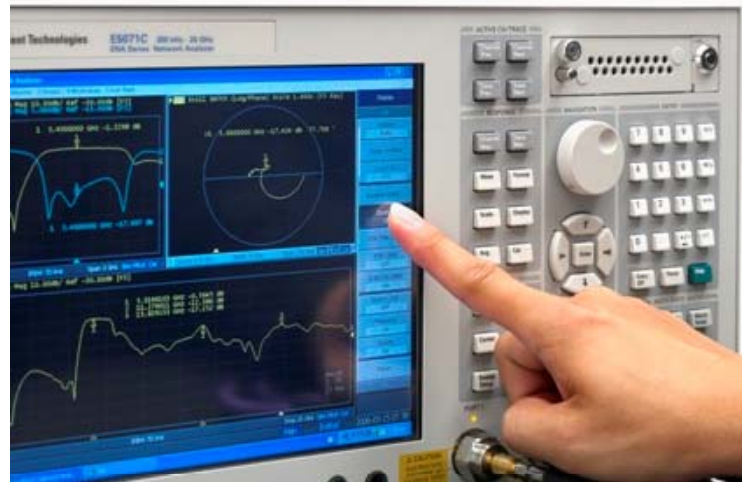
天线规格

Antenna Specification

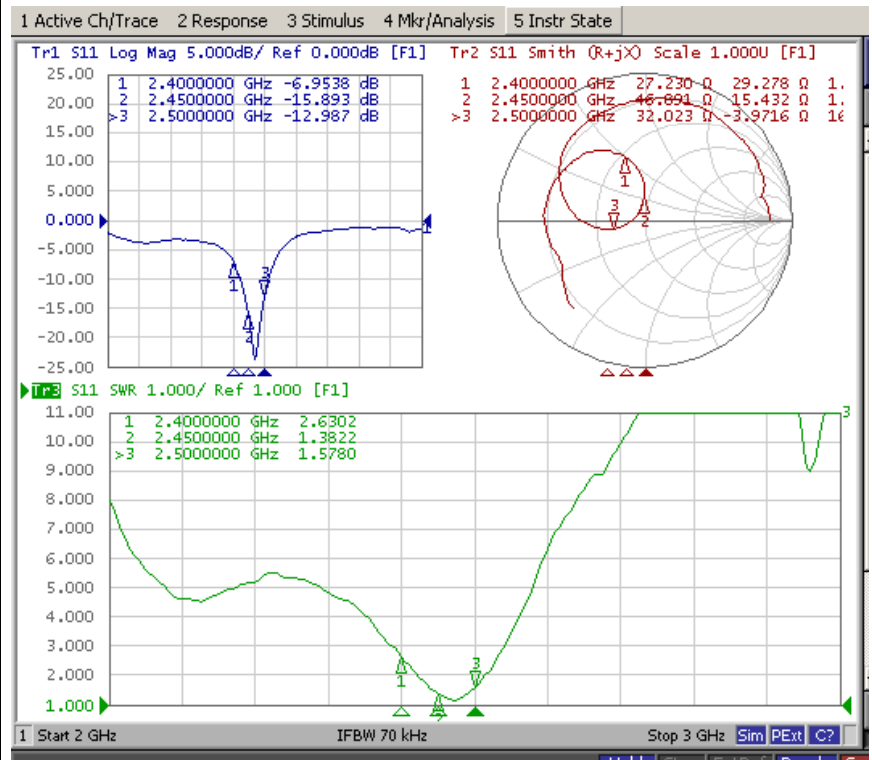
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	3.0 Max
Gain	1.8 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	MCX Female
Cable Type	O.D.1.37mm
Cable Length	70mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Agilent E5071B

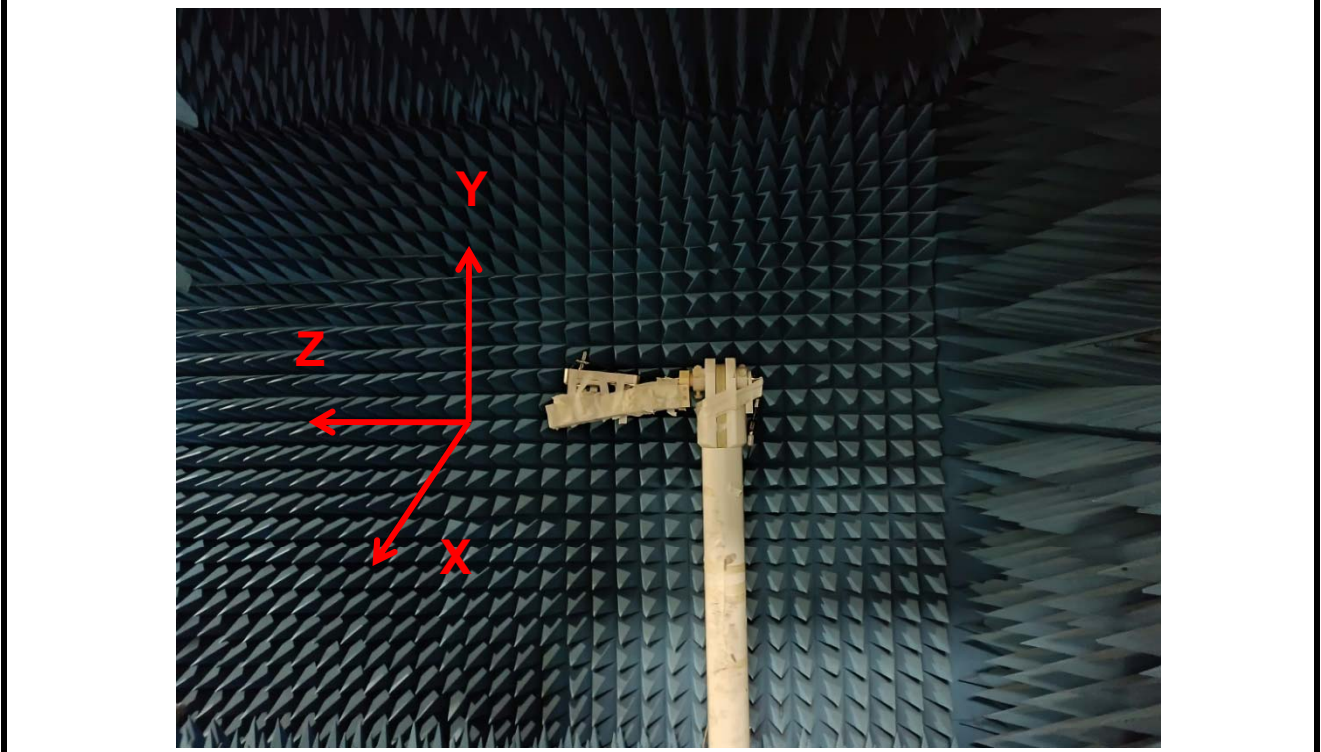
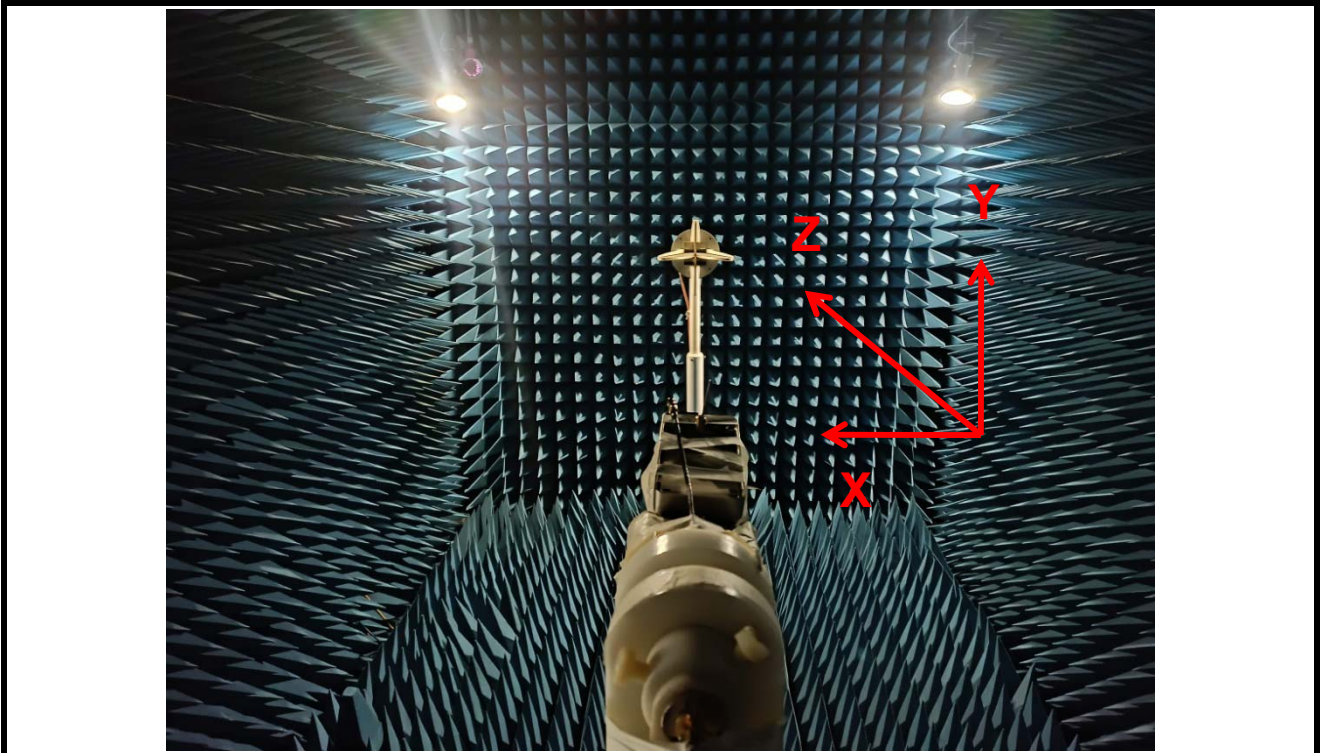


S Parameter Test // 2.4G Antenna





Antenna Passive Test





Passive Test For 2.4G Antenna

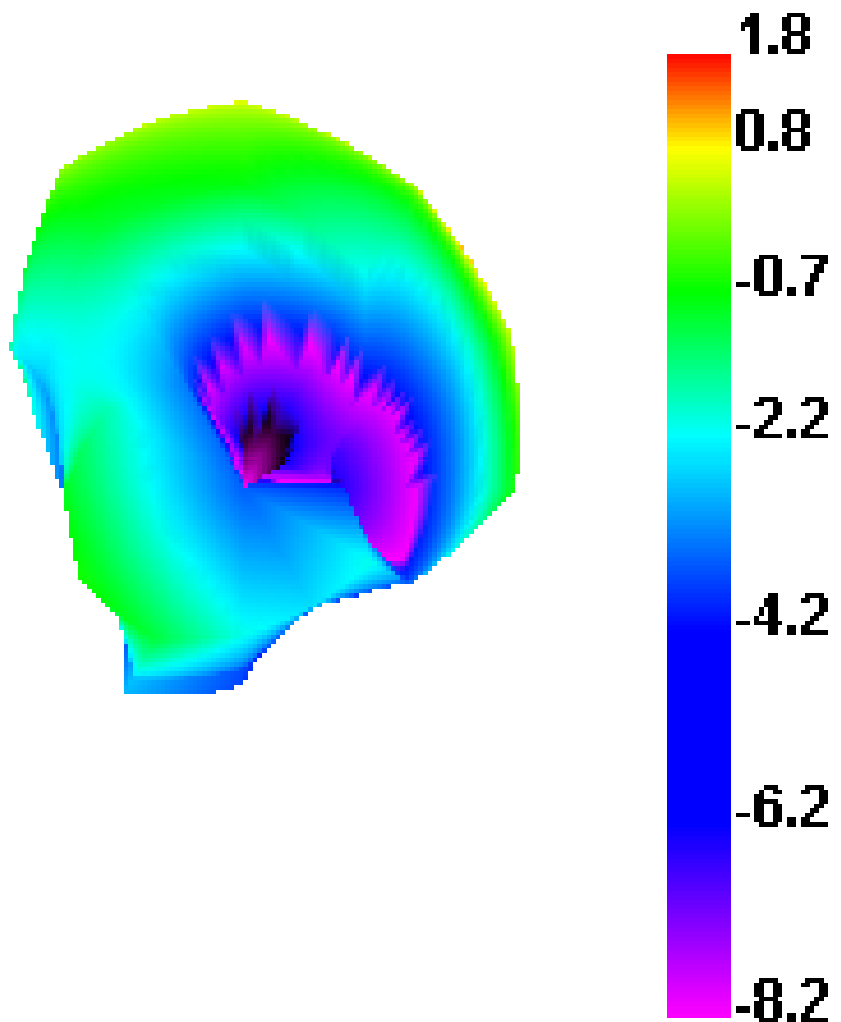
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	33.3	-4.8	1.8
2410	29.7	-5.3	1.1
2420	25.7	-5.9	0.2
2430	22.9	-6.4	-0.6
2440	23.1	-6.4	-0.7
2450	24.7	-6.1	-0.3
2460	24.7	-6.1	-0.1
2470	26.8	-5.7	0.5
2480	28.4	-5.5	1.2
2490	30.3	-5.2	1.7
2500	30.4	-5.2	1.5

add: 17A-03A, Block B, Nanxian Commercial Plaza, Meilong Road, Longhua New District, Shenzhen



Radiation Pattern For 2.4G Antenna

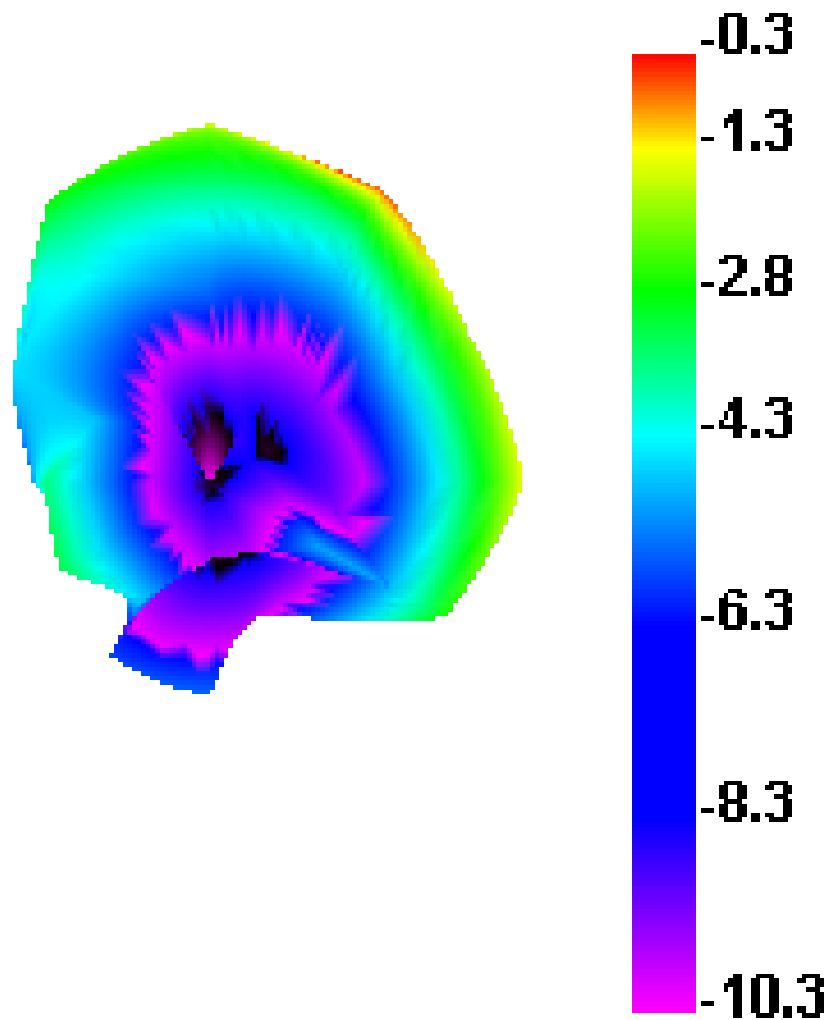
2400.000MHz





Radiation Pattern For 2.4G Antenna

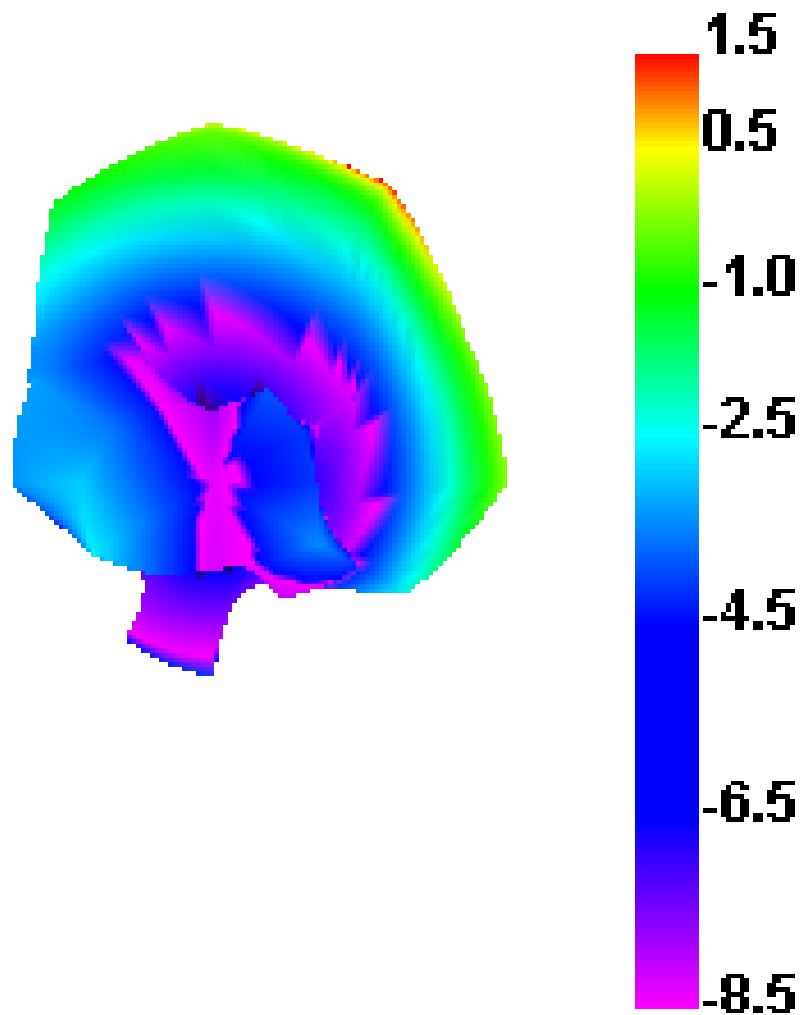
2450.000MHz





Radiation Pattern For 2.4G Antenna

2500.000MHz



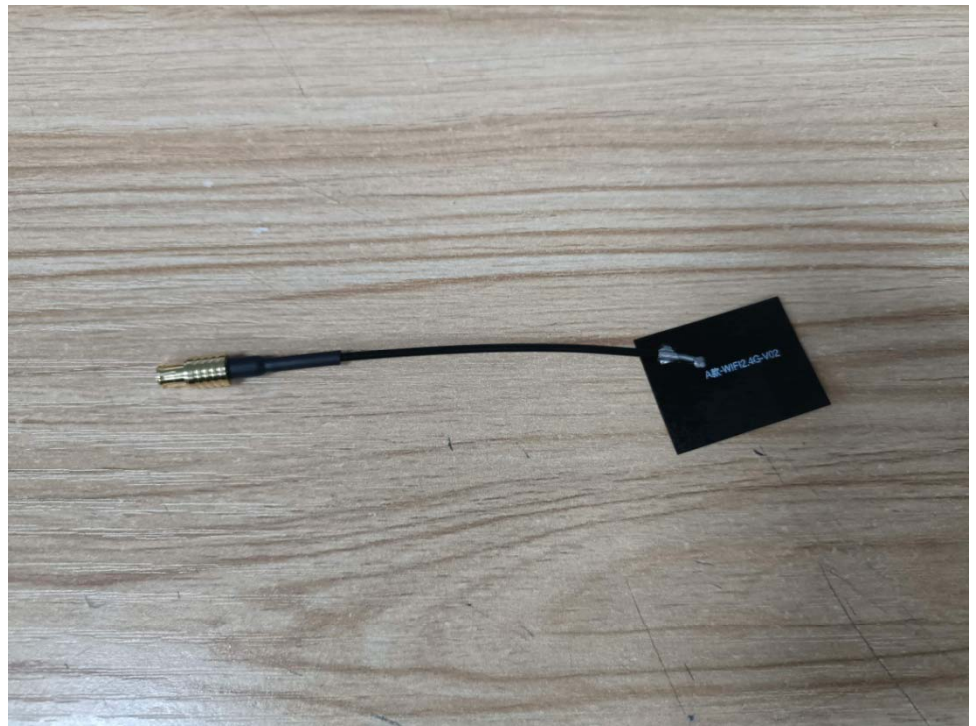


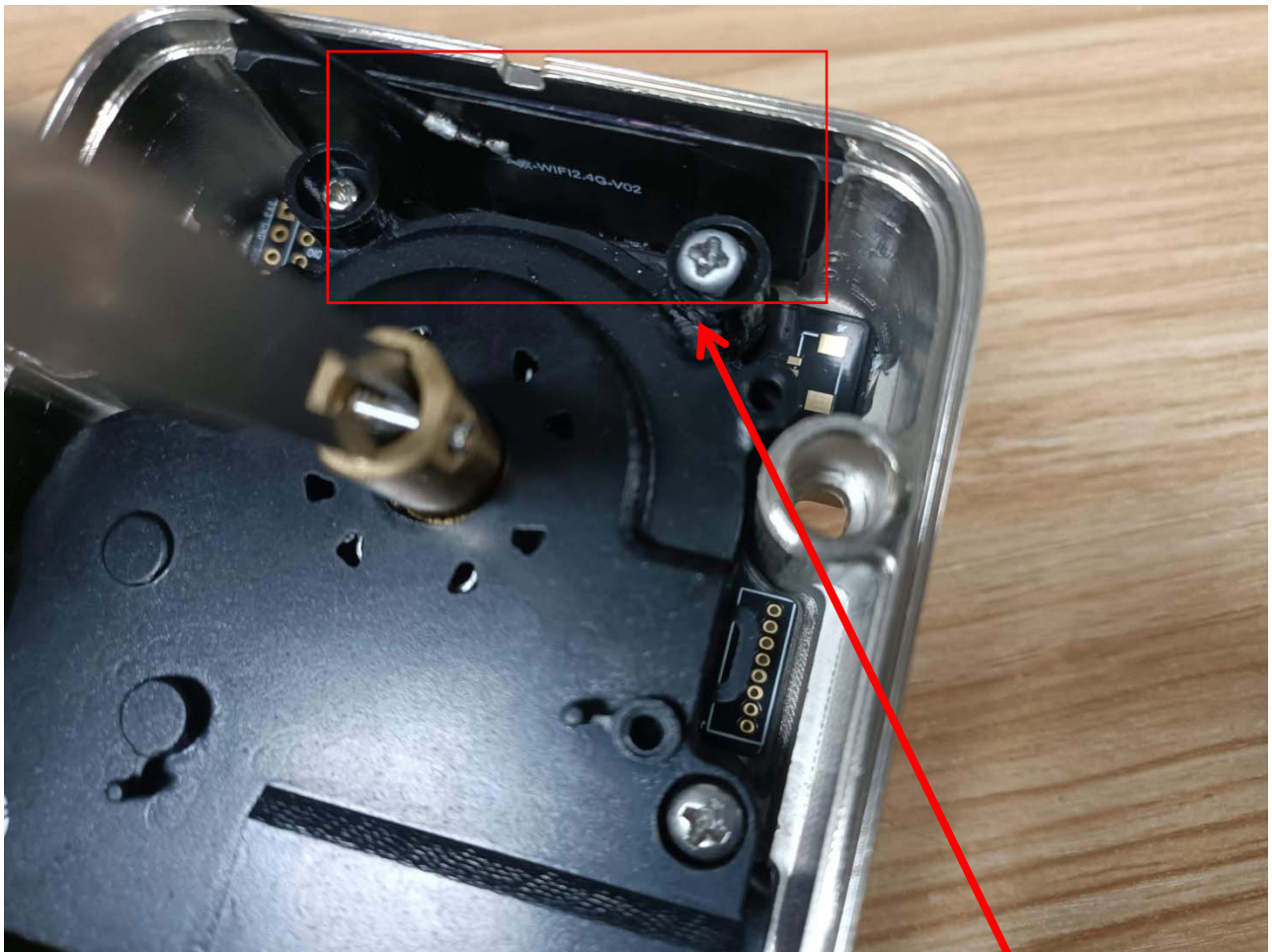
Device





Antenna
2.4G





2.4G Antenna