



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

Manufacturer:Smart Electronic Industrial (Dongguan) Co., Ltd
Address :Room 101, 10 Qinglong Road Huangjiang Town,Dong
Guan ,Guang Dong, China
WLAN ant
Model Name :2.4G Antenna

日期 Date	2024/02/26
编号 File No	24022603
版本 Revision	1.0

客户
CUSTOMER:

东莞盛世科技电子实业有限公司

客户料号
CUSTOMER NO:

ETGD37SWPEX10-JLY

品名
PART NAME:

2.4G Antenna

供方料号
SUPPLIER NO:

YJW01.029.119.302A

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

add: 深圳市龙华新区梅龙路南贤商业广场B座17A-03A Tel:0755-83524561



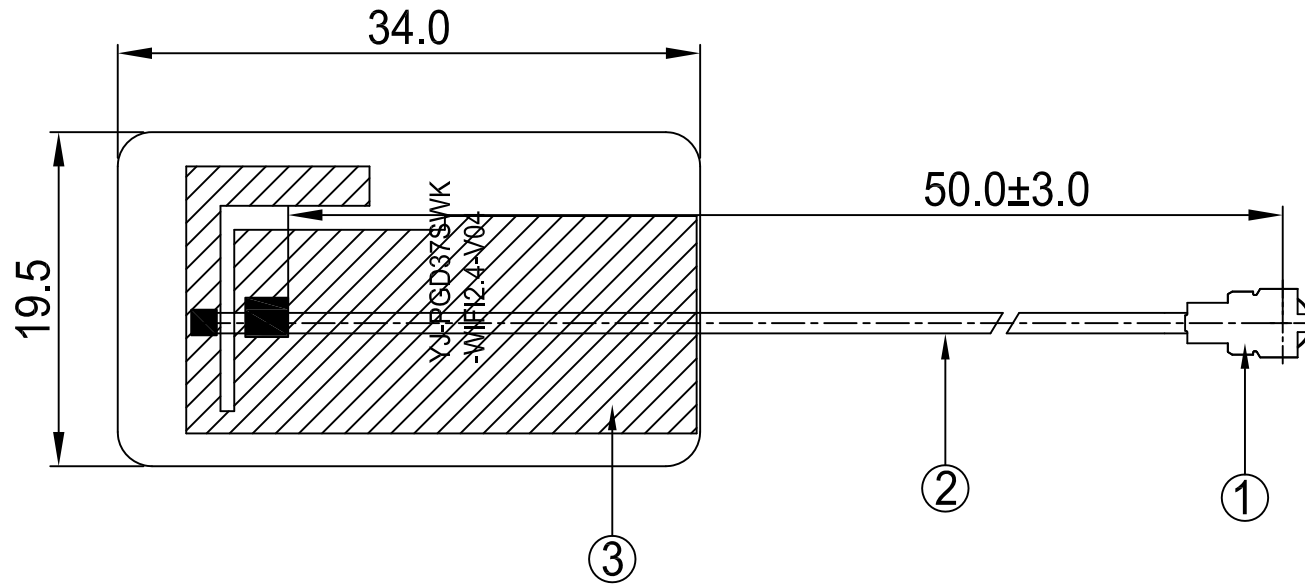
承认书项目表

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

RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-02-26
△	修改成品料号	2024-01-17



深圳市金利源兴电子有限公司

PART NAME: 2.4G Antenna			
PART NO.: YJW01.029.119.302A		DATE: 2024-02-26	
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
殷涛	唐国浩	吕森桦	
UNITS: mm SCALE: 1/1 REVISION: A			

3	FPCB	34.0*19.5MM	FPCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.0.81 Black	O.D.0.81	COA1000XA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

Antenna Specification

Electrical Properties

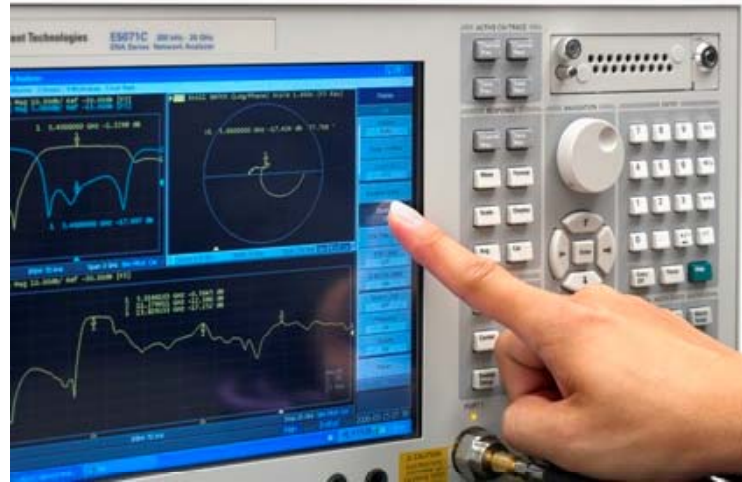
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.5 Max
Gain	-0.3 dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

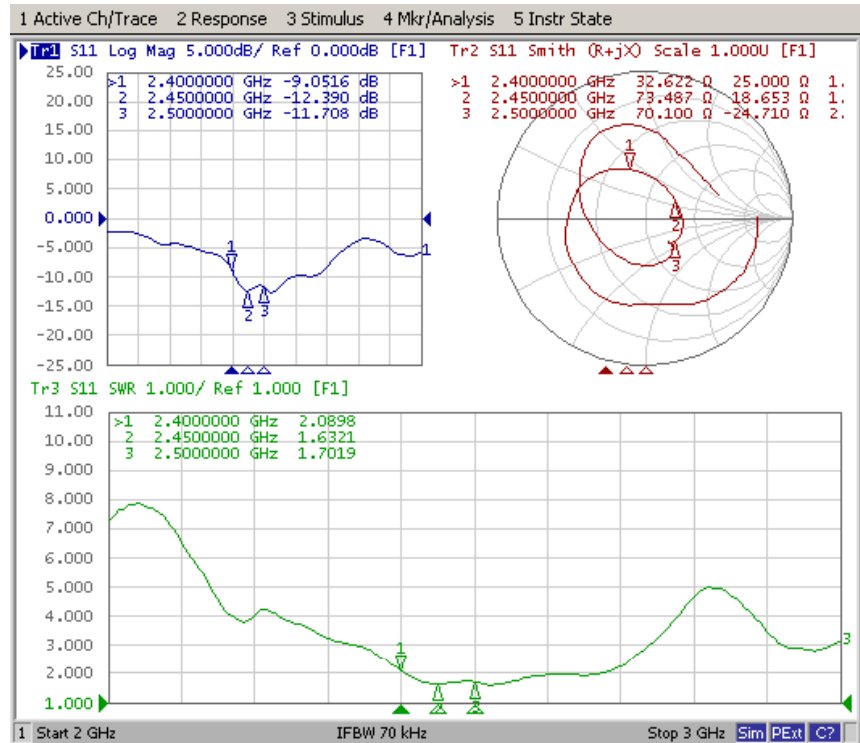
Connector	1代IPEX
Cable Type	O.D.0.81mm
Cable Length	50mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Agilent E5071B

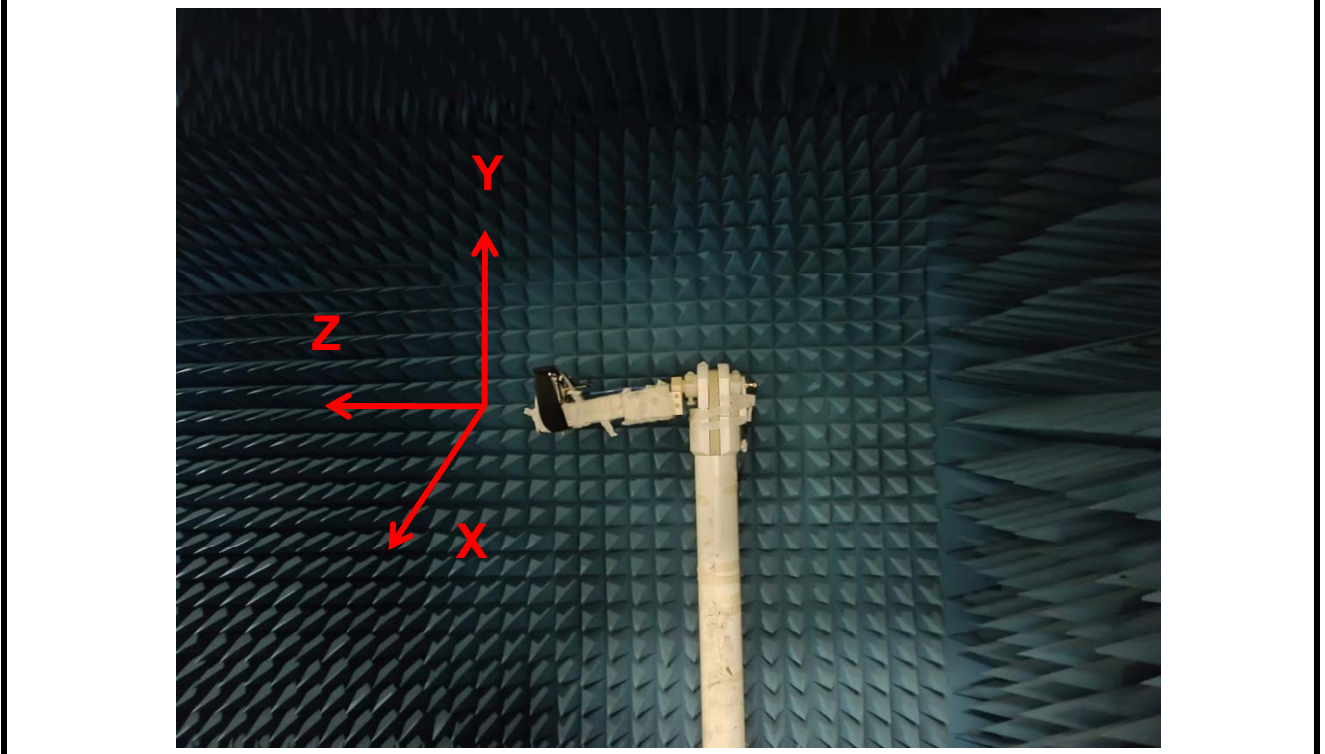
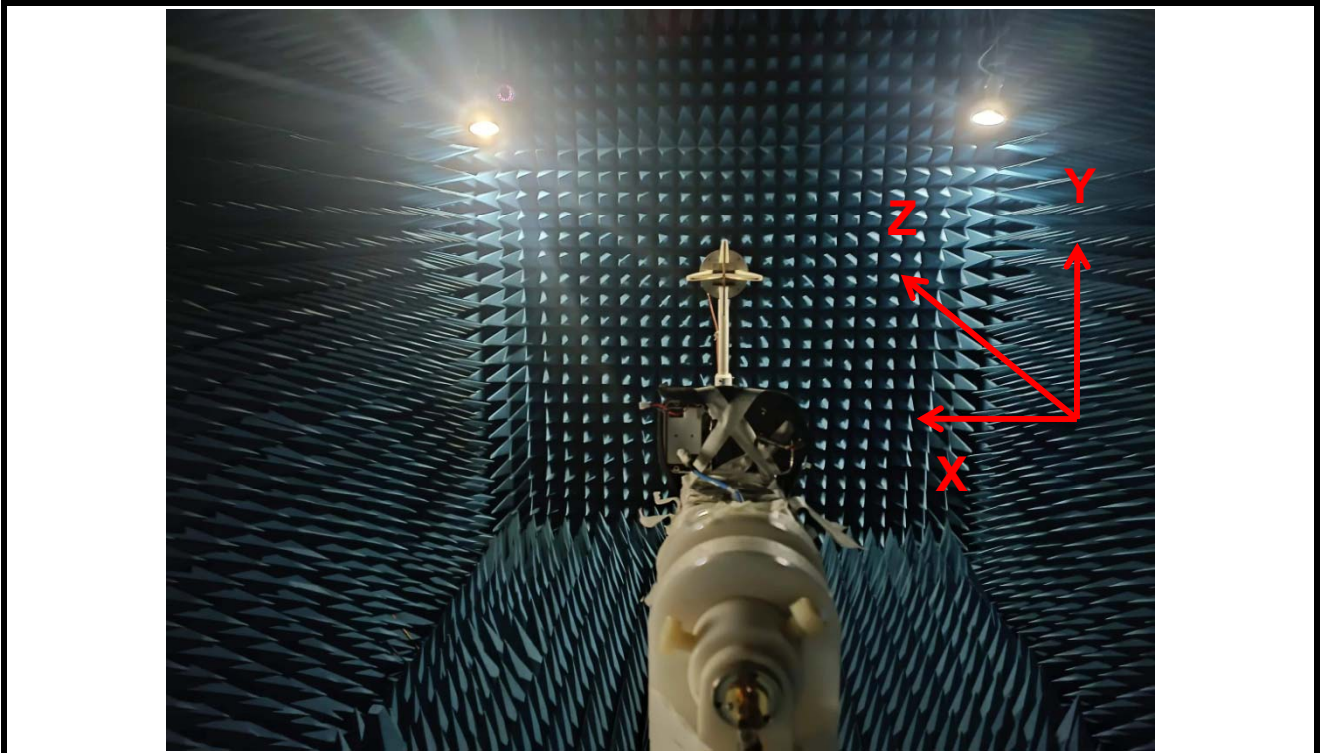


S Parameter Test // WiFi Antenna





Antenna Passive Test





Passive Test For WiFi Antenna(2.4G)

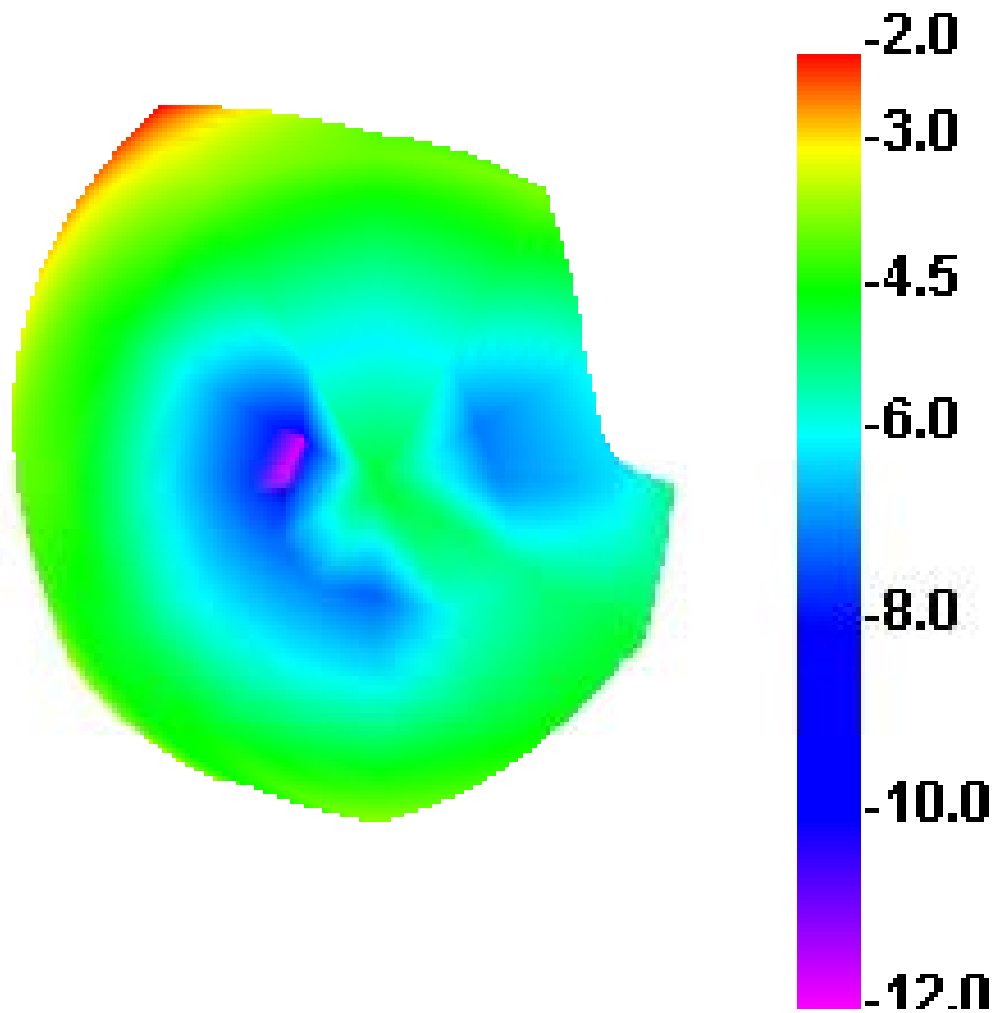
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	17.8	-7.5	-2.0
2410	18.0	-7.5	-1.7
2420	18.5	-7.3	-1.4
2430	18.3	-7.4	-1.2
2440	18.5	-7.3	-1.0
2450	19.5	-7.1	-0.6
2460	19.9	-7.0	-0.5
2470	20.9	-6.8	-0.3
2480	21.0	-6.8	-0.3
2490	21.3	-6.7	-0.4
2500	21.8	-6.6	-0.7

add: 深圳市龙华新区梅龙路南贤商业广场B座17A-03A Tel:0755-83524561



Radiation Pattern For WiFi Antenna

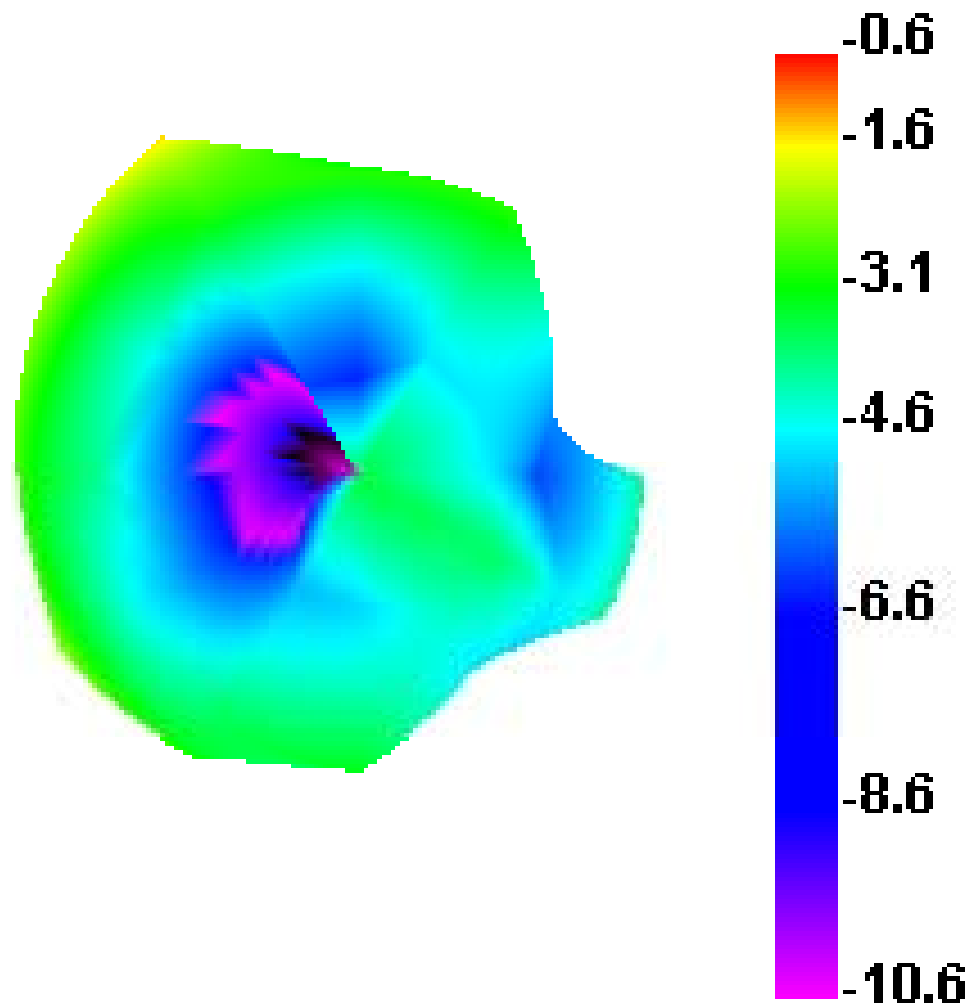
2400.000MHz





Radiation Pattern For WiFi Antenna

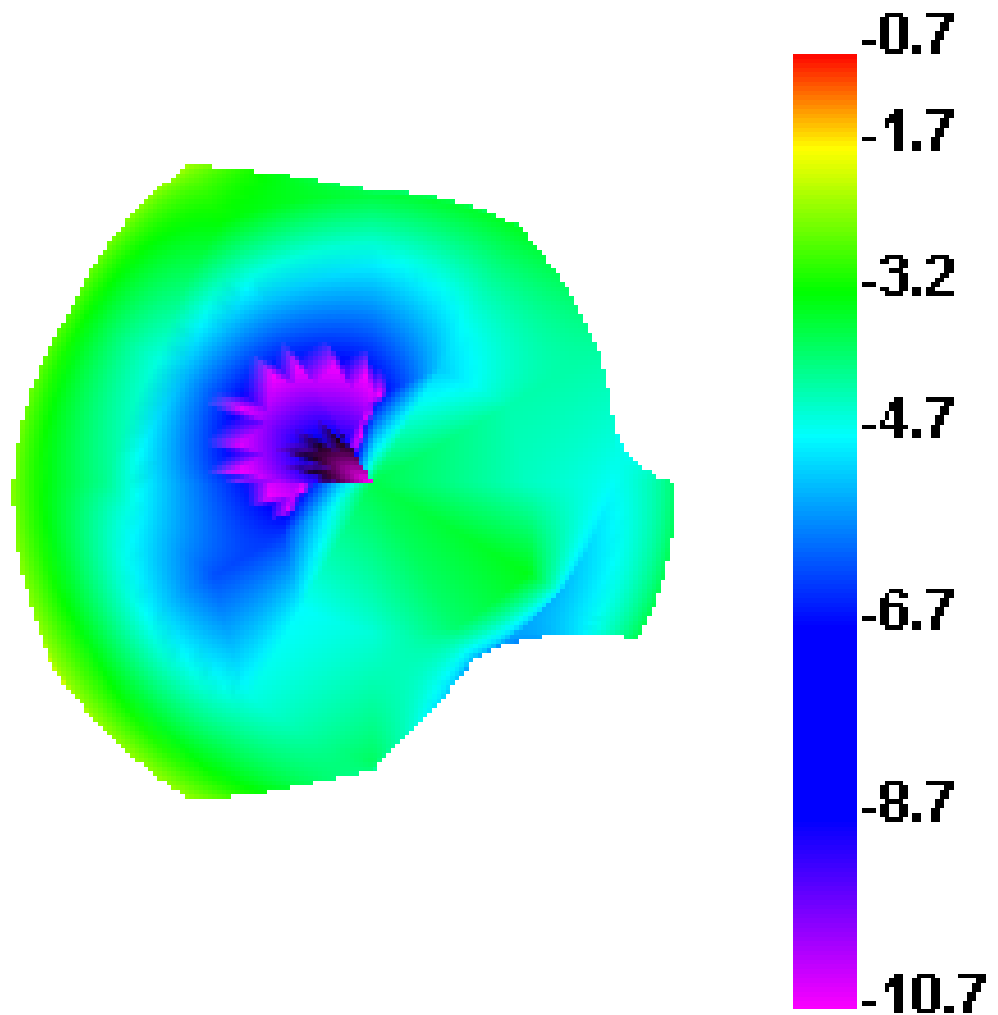
2450.000MHz





Radiation Pattern For WiFi Antenna

2500.000MHz





Device





*Antenna
WiFi*





WiFi Antenna



深圳市金利源兴电子有限公司

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规格承认书

SPECIFICATION FOR APPROVAL

Manufacturer:Smart Electronic Industrial (Dongguan) Co., Ltd
Address :Room 101, 10 Qinglong Road Huangjiang Town,Dong Guan ,
Guang Dong, China
BT ant
Model Name :2.4G Antenna

日期 2024/02/26

Date

编号 24022602

File No

版本 1.0

Revision

客户
CUSTOMER:

东莞盛世科技电子实业有限公司

客户料号
CUSTOMER NO:

ETGD37SWMCX10-JLY

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

add: 深圳市龙华新区梅龙路南贤商业广场B座17A-03A Tel:0755-83524561



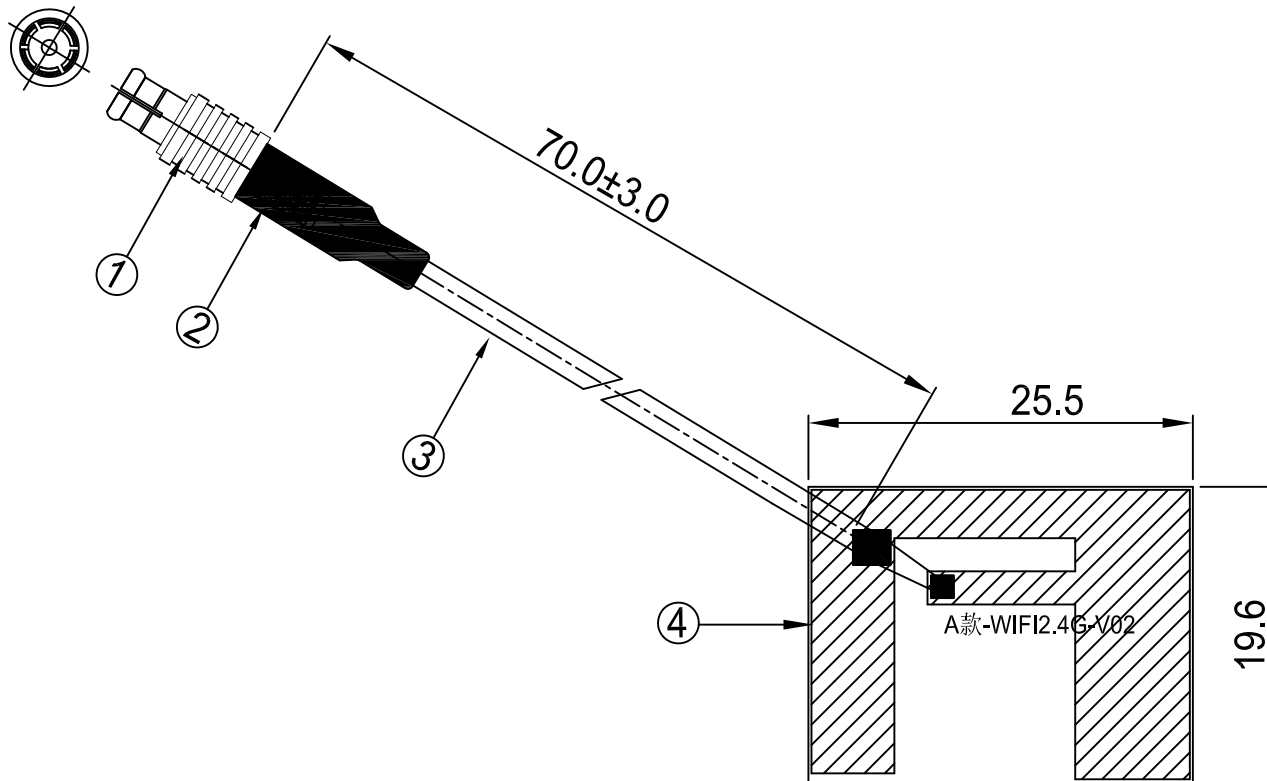
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9	材质证明 (Material Certificate)	47	14 ~ 60
10	RoHS报告 (RoHS Test Report)	**	**
11	N/A	N/A	N/A
12	-	-	-
13	-	-	-

RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2024-02-26
△		



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/Ø3.5mm	EVA Black	PLA1000XA.P01	1
1	MCX Female	Au Plated	Cu	CON10158A.P03	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

深圳市金利源兴电子有限公司

PART NAME: 2.4G Antenna			
PART NO.: YJW01.029.124.302A		DATE: 2024-02-26	
APPROVED BY	CHECKED BY	DESIGNED BY	 Tolerance X.X ±0.50 X.XX±0.15 X° ±3°
殷涛	唐国浩	吕森桦	
UNITS: mm SCALE: 1/1 REVISION: A			



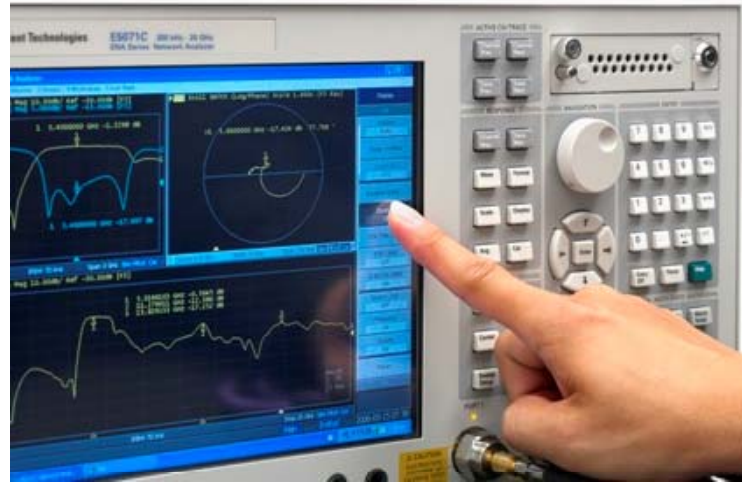
天线规格

Antenna Specification

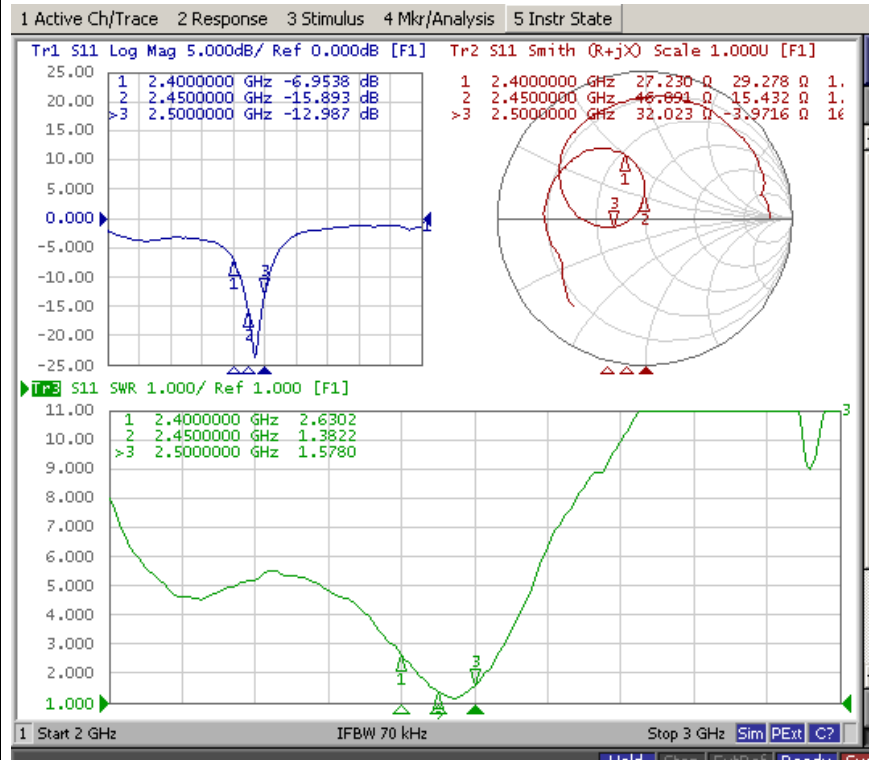
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	3.0 Max
Gain	1.8 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	MCX Female
Cable Type	O.D.1.37mm
Cable Length	70mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C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



Agilent E5071B

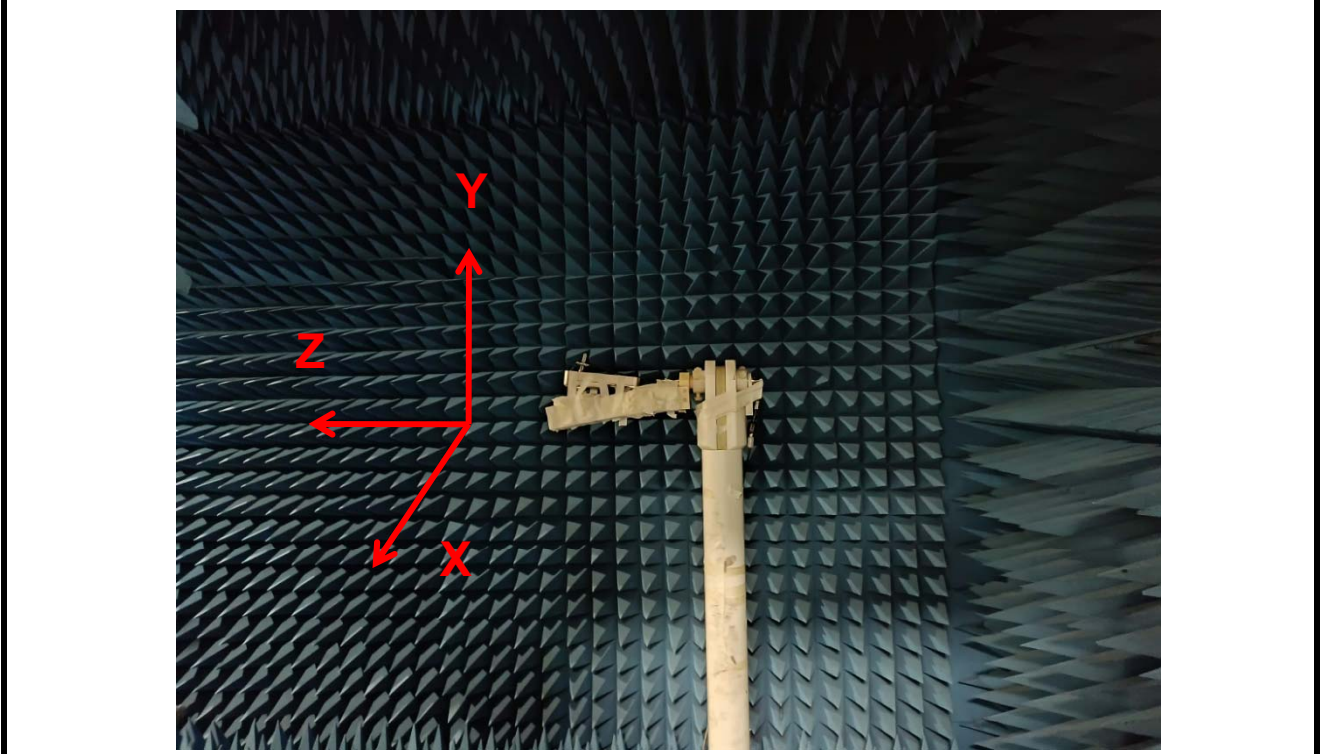
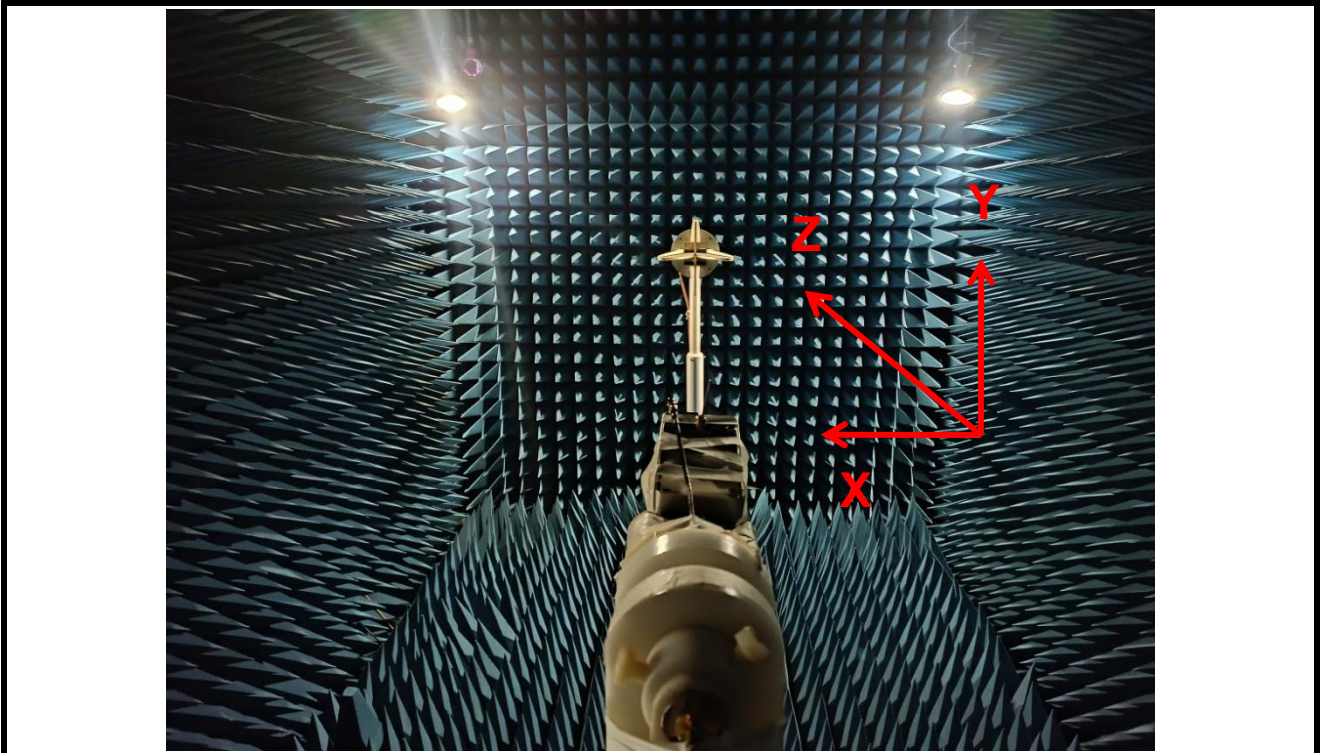


S Parameter Test // WiFi Antenna





Antenna Passive Test





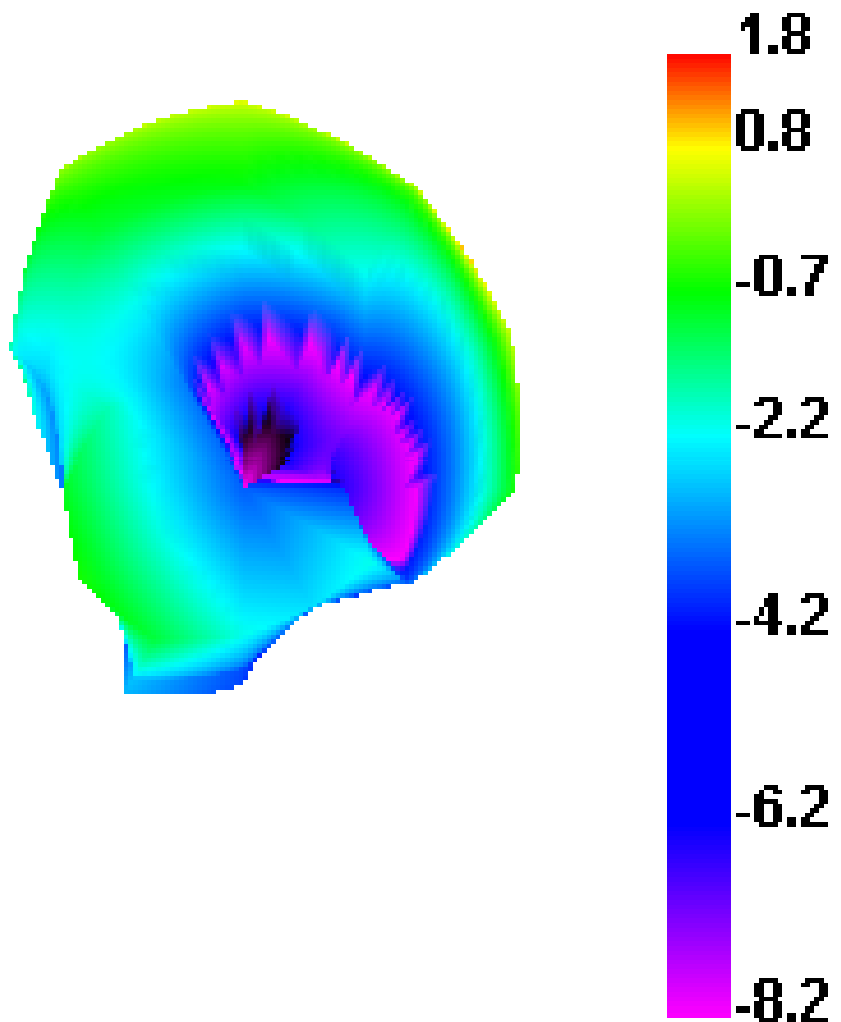
Passive Test For WiFi Antenna

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



Radiation Pattern For WiFi Antenna

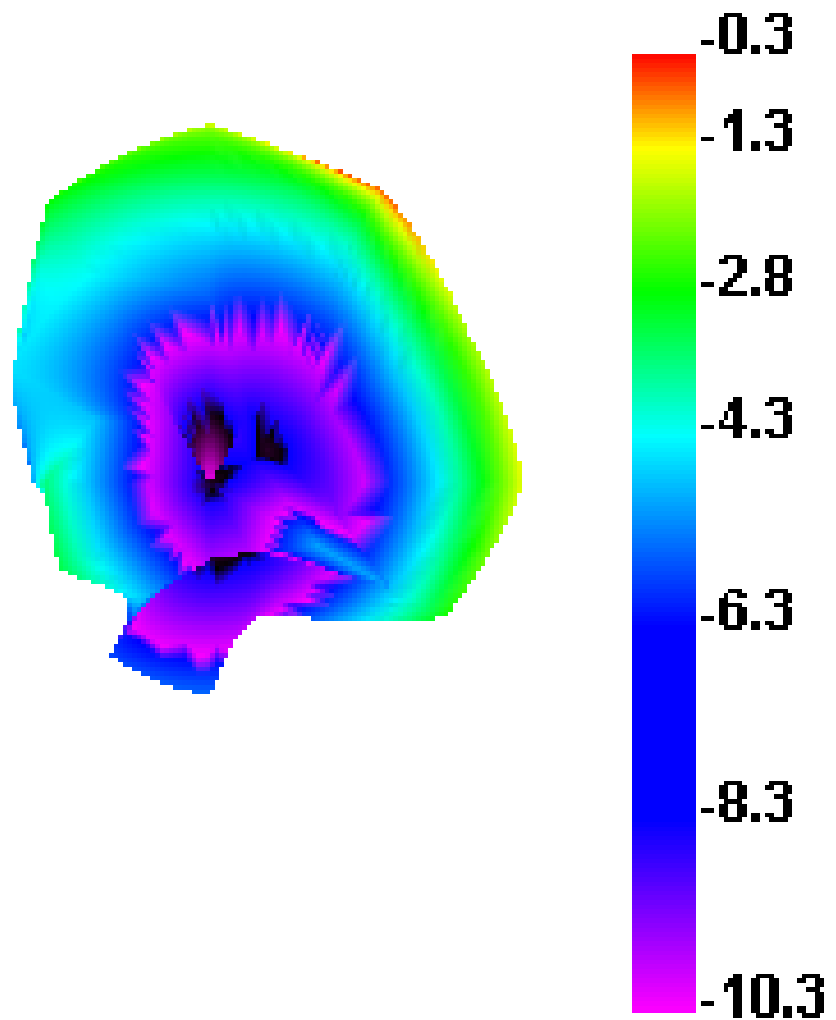
2400.000MHz





Radiation Pattern For WiFi Antenna

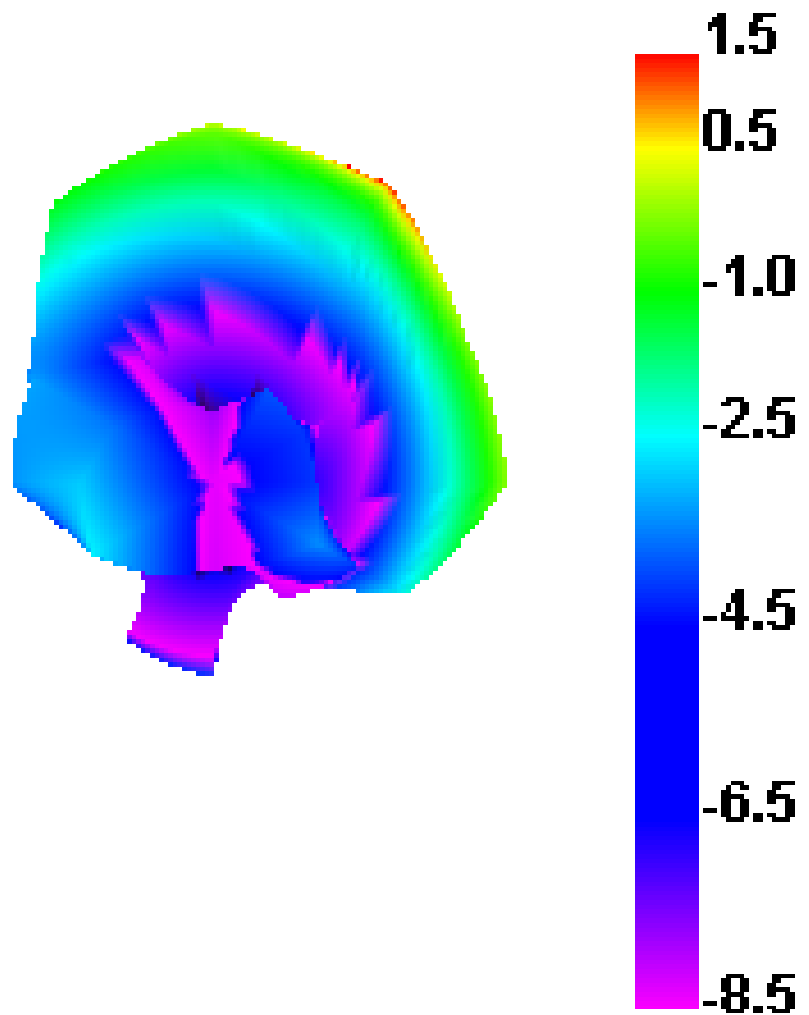
2450.000MHz





Radiation Pattern For WiFi Antenna

2500.000MHz



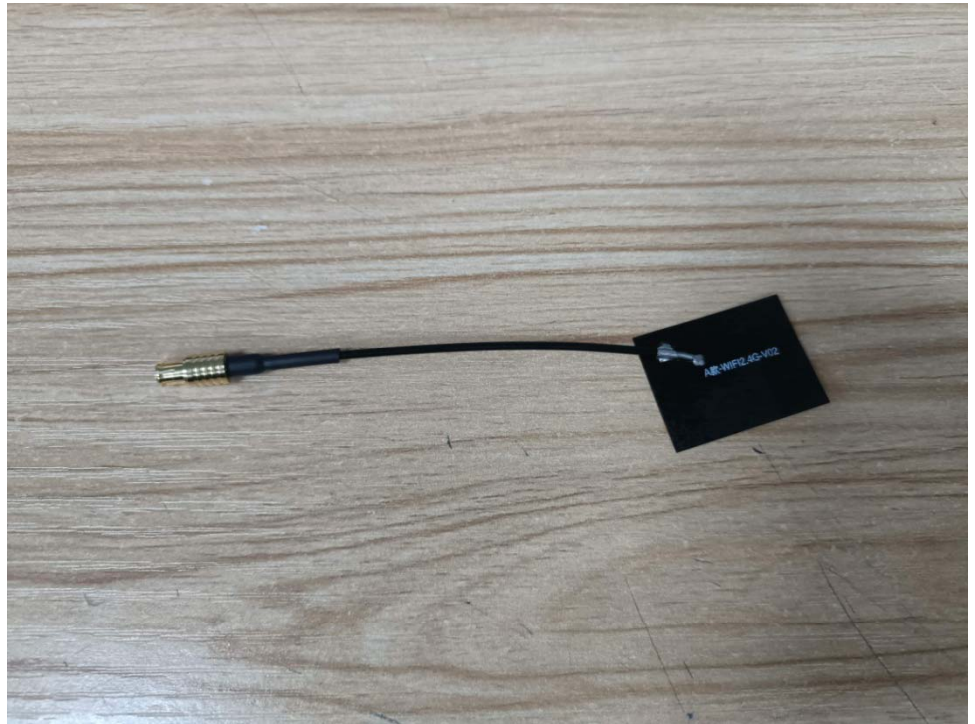


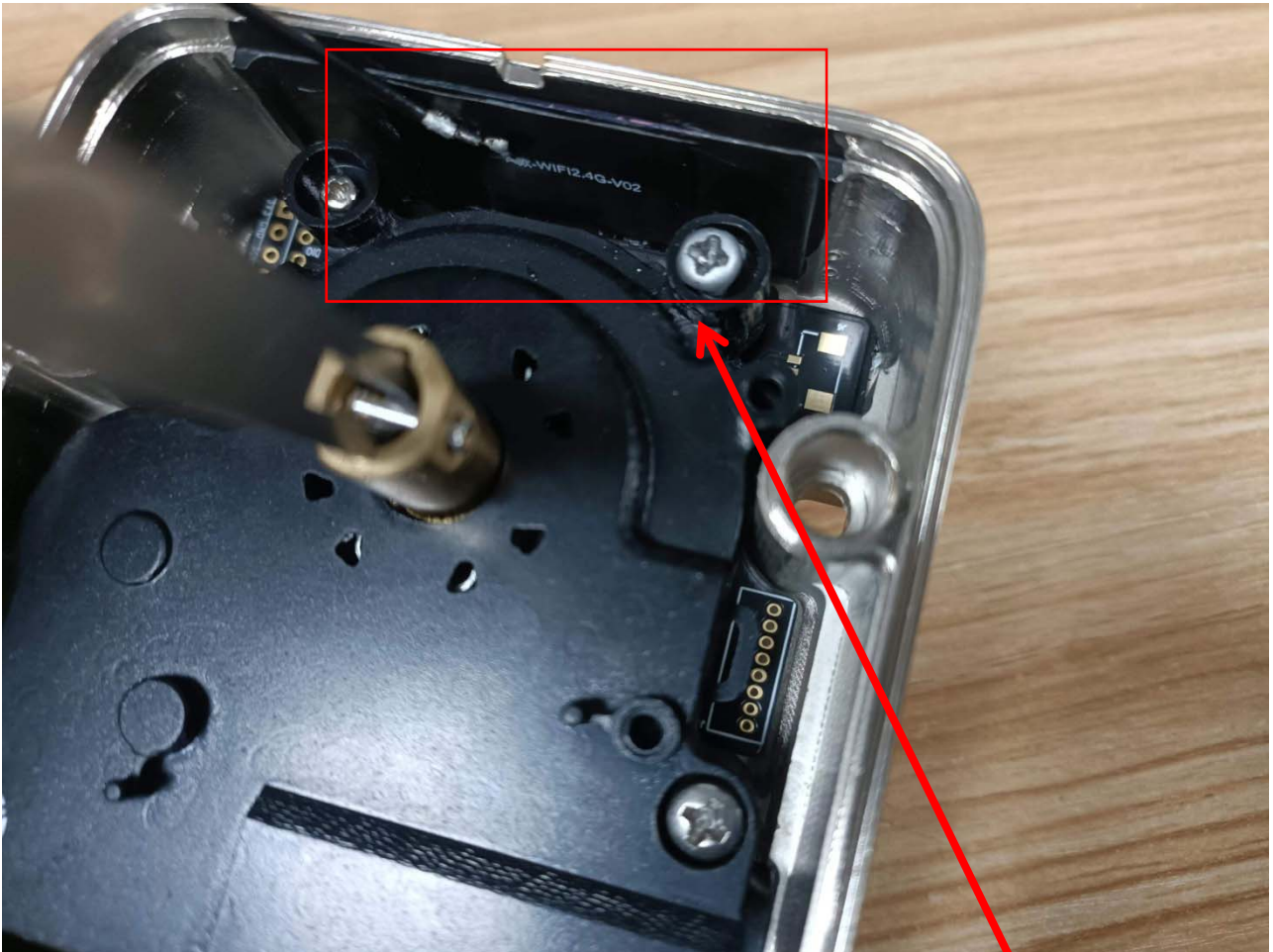
Device





*Antenna
WiFi*





WiFi Antenna