



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

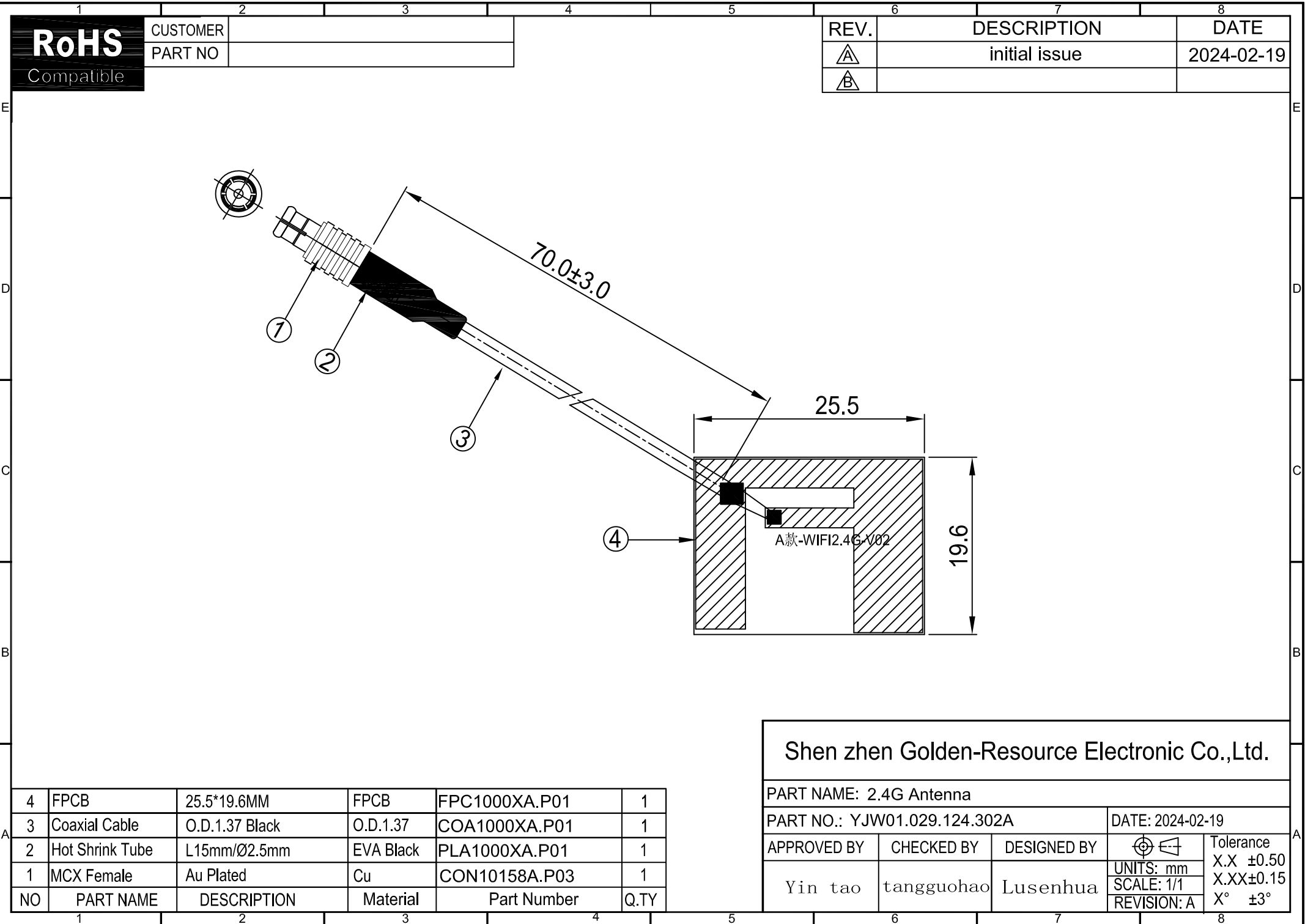
add: 17A-03A, Block B, Nanxian Commercial Plaza, Meilong Road, Longhua New District, Shenzhen



承认书项目表

Spec Item

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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 issue	2024-02-19
B		

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	tangguohao	Lusenhua	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
Impedance	50 Ohm Nominal
V.S.W.R	3.0 Max
Gain	1.8 dBi
Radiation	Omni-directional
Polarization	Linear

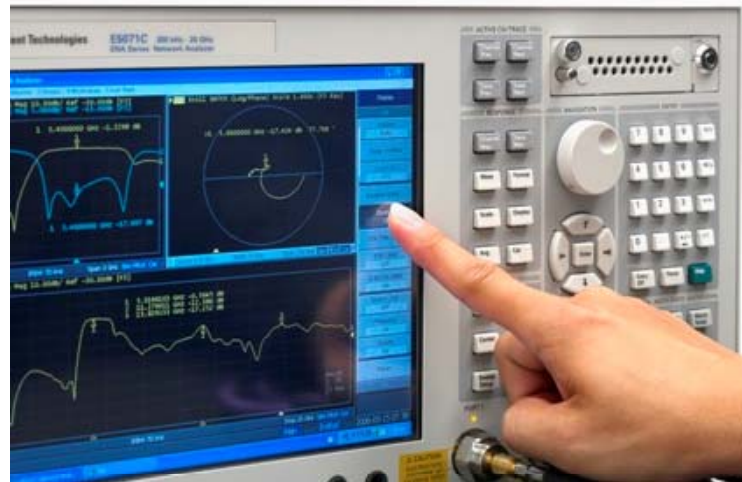
Physical Properties

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%

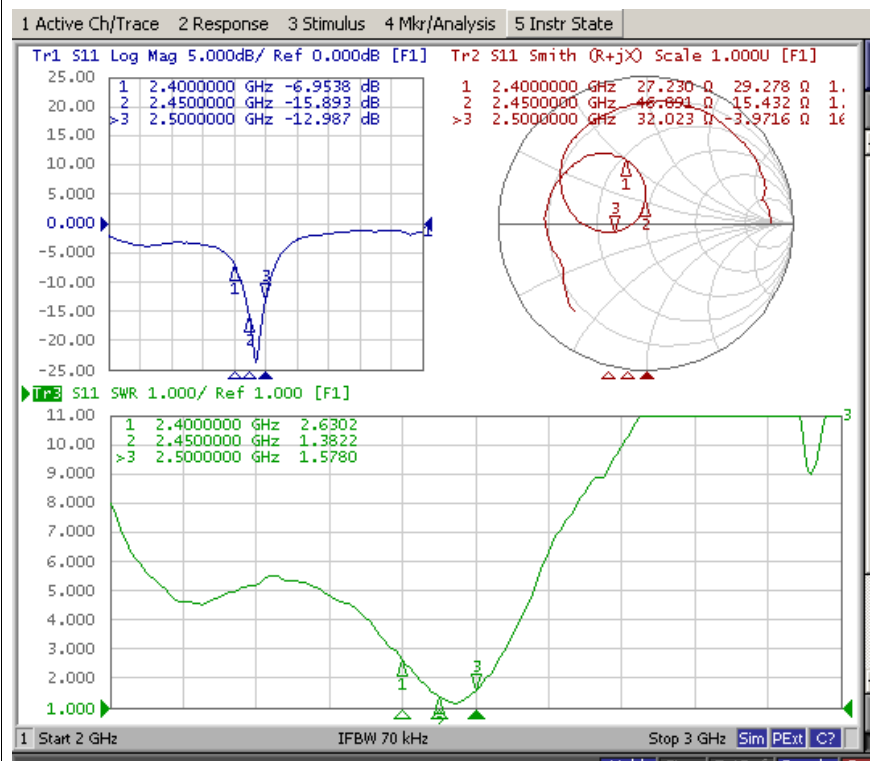
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Agilent E5071B

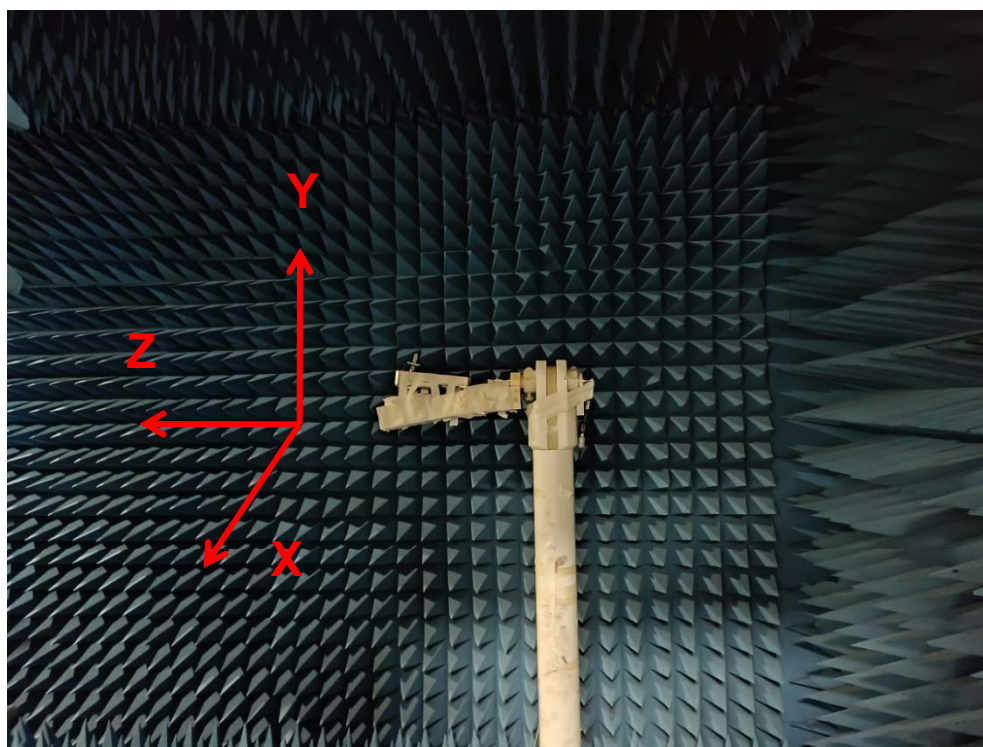
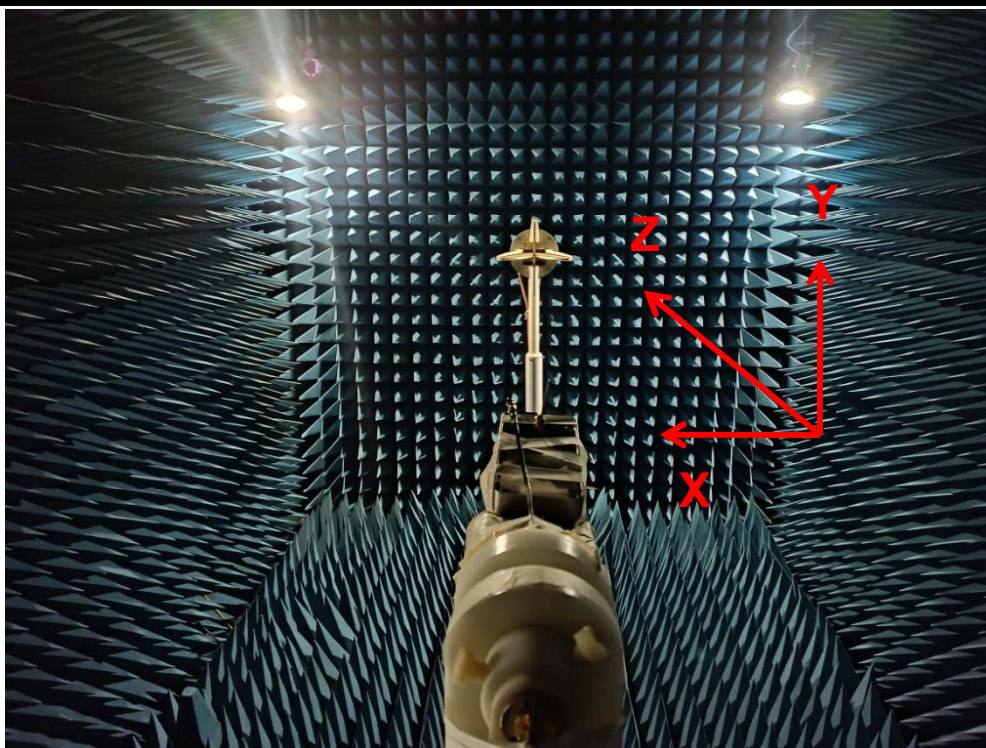


S Parameter Test // 2.4G Antenna





Antenna Passive Test



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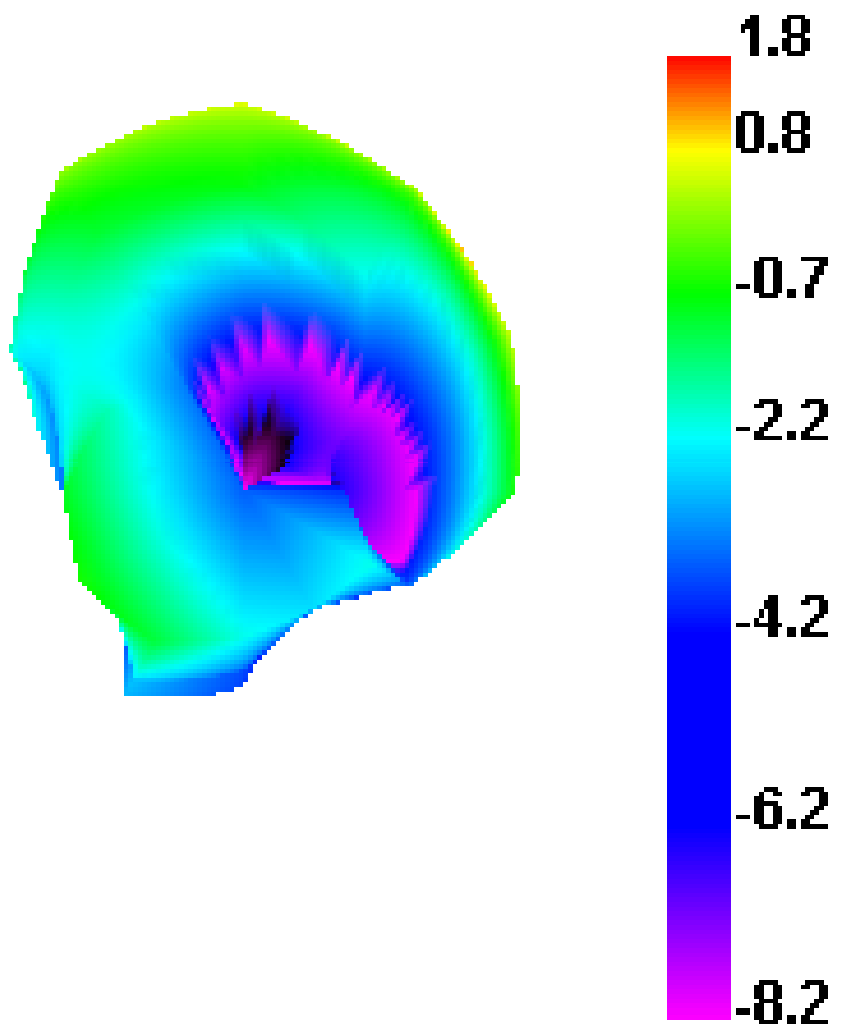
Passive Test For 2.4G Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	33.3	-4.8	1.8
2410	29.7	-5.3	1.1
2420	25.7	-5.9	0.2
2430	22.9	-6.4	-0.6
2440	23.1	-6.4	-0.7
2450	24.7	-6.1	-0.3
2460	24.7	-6.1	-0.1
2470	26.8	-5.7	0.5
2480	28.4	-5.5	1.2
2490	30.3	-5.2	1.7
2500	30.4	-5.2	1.5

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Radiation Pattern For 2.4G Antenna

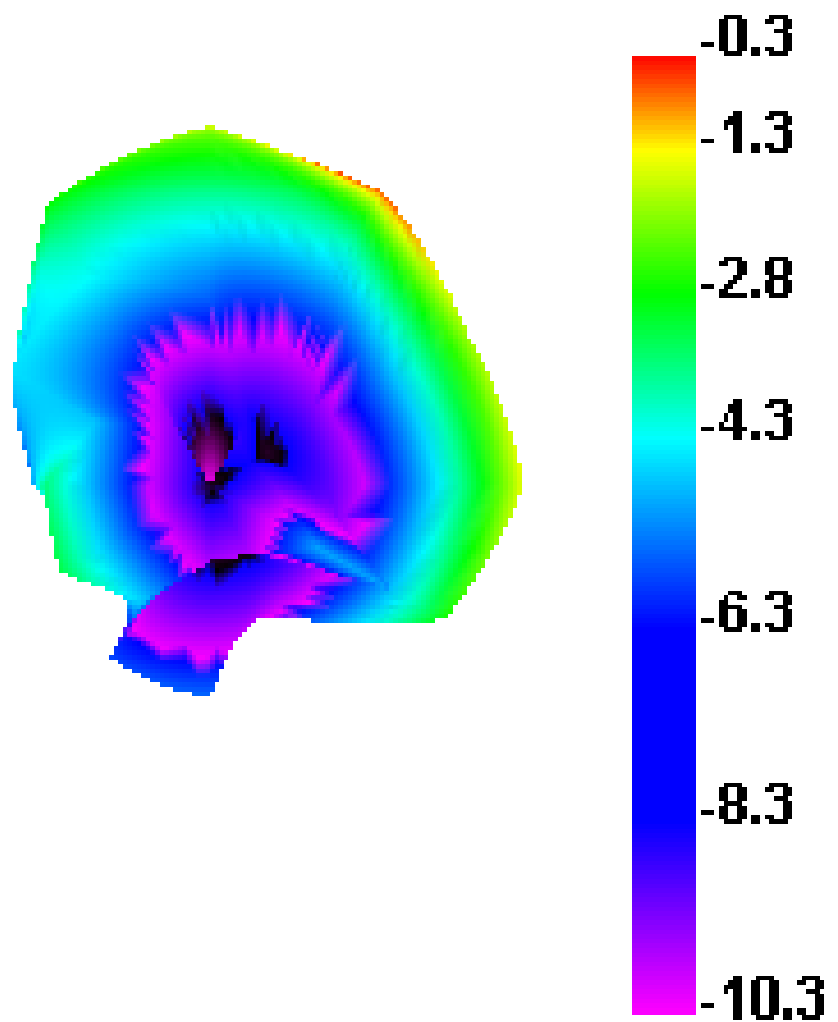
2400.000MHz





Radiation Pattern For 2.4G Antenna

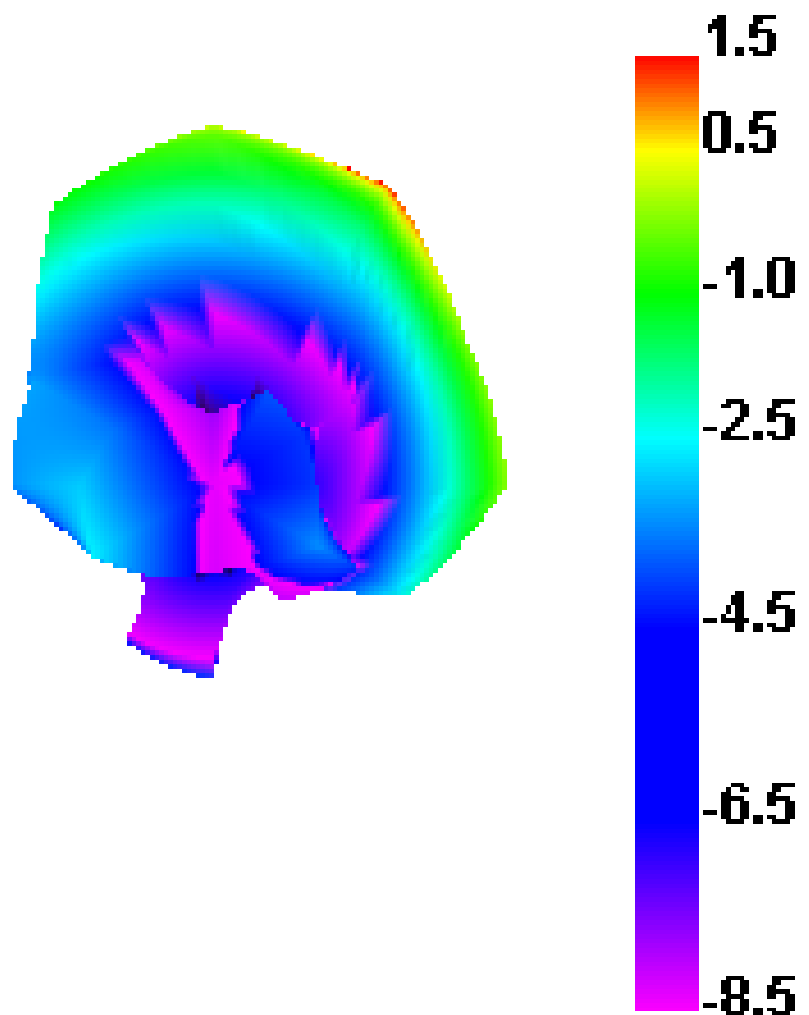
2450.000MHz





Radiation Pattern For 2.4G Antenna

2500.000MHz





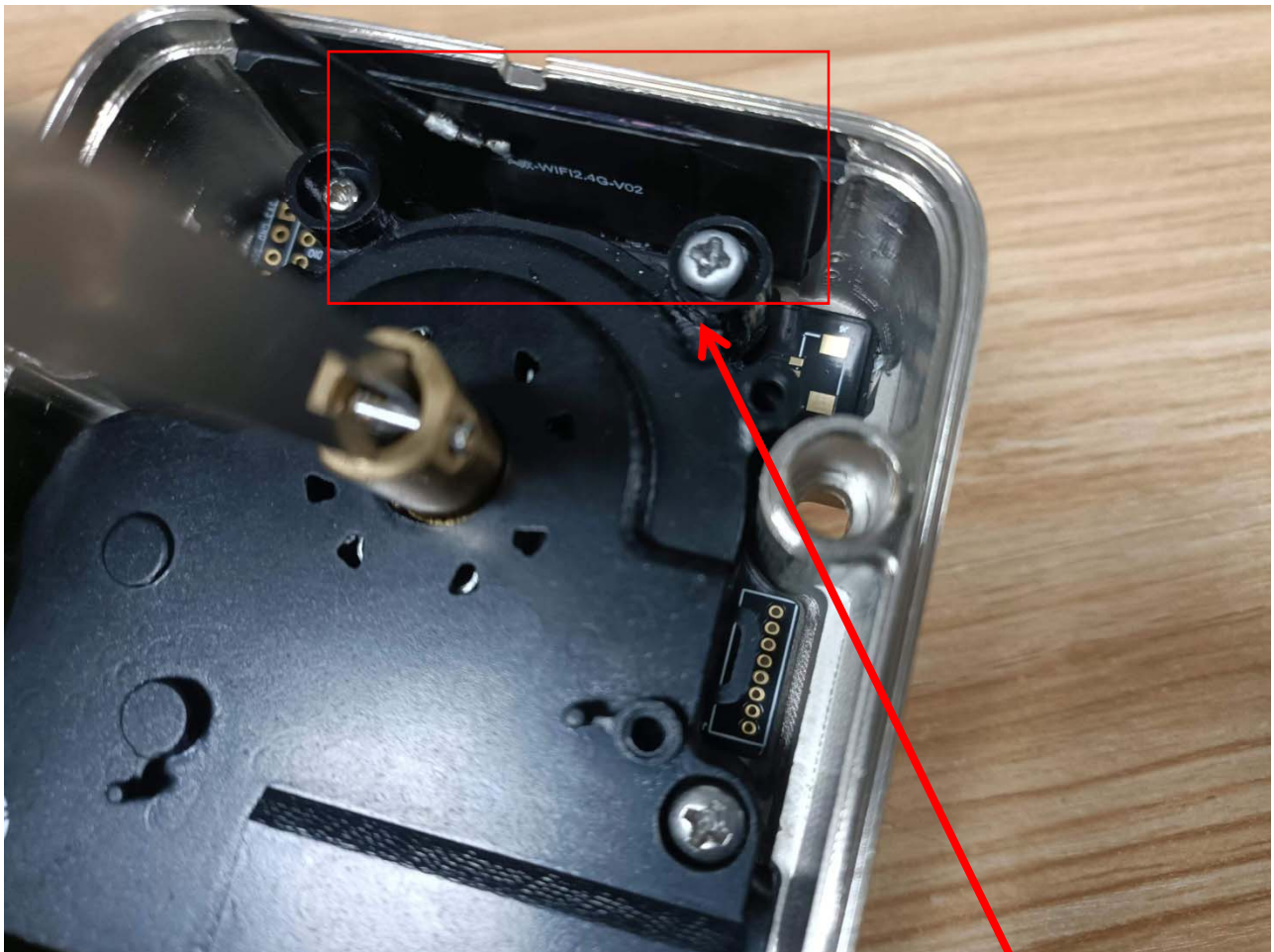
Device





Antenna 2.4G





2.4G Antenna