



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: YJW01.029.119.302A

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



# 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

△

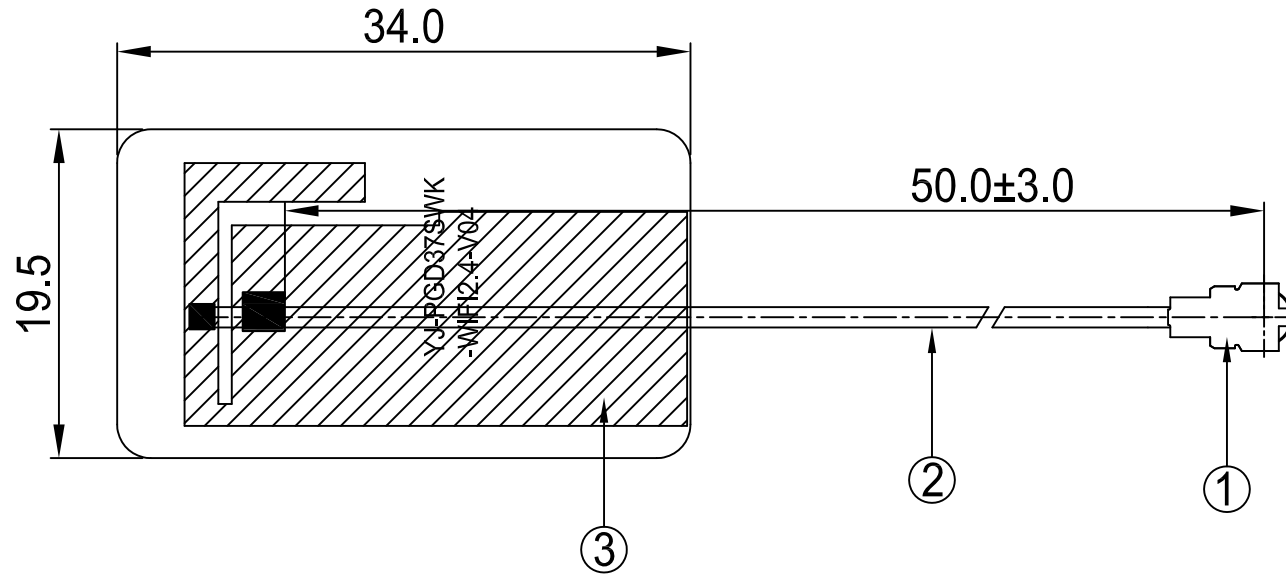
initial issue

2023-10-20

△

Modify the finished part number

2024-01-17



Shen zhen Golden-Resource Electronic Co.,Ltd.

PART NAME: 2.4G Antenna

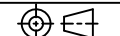
PART NO.: YJW01.029.119.302A

DATE: 2023-10-20

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

Yin tao

tanguohao

Lusenhua

UNITS: mm

X.X ±0.50

SCALE: 1/1

X.XX±0.15

REVISION: A

X° ±3°

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	Gold Plated 1st Generation	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

1

2

3

4

5

6

7

8



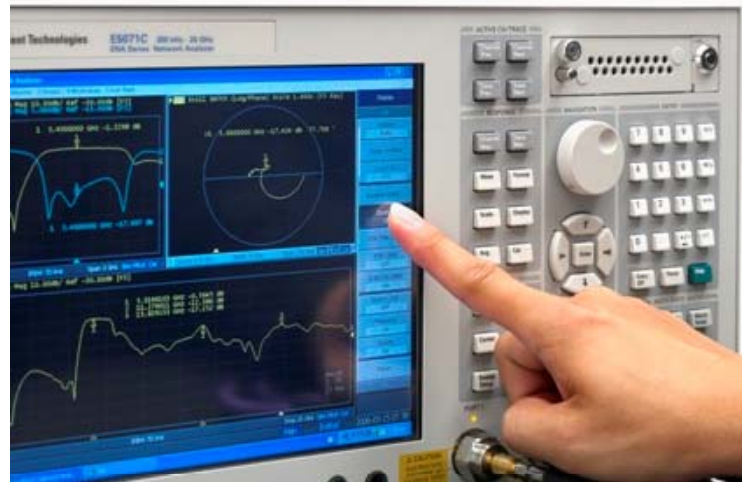
# 天线规格

## Antenna Specification

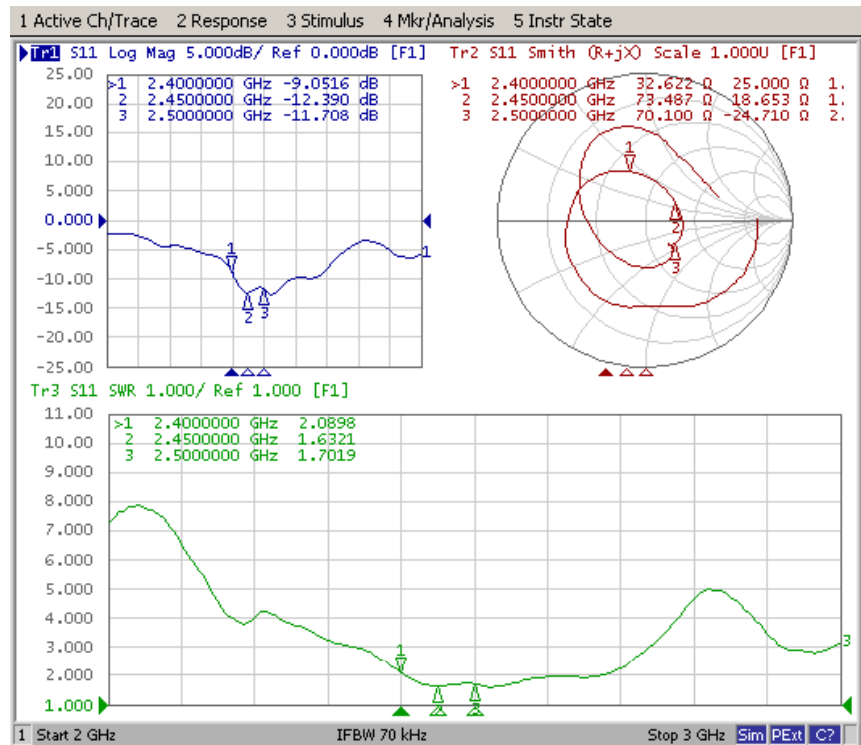
<b>Electrical Properties</b>	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.5 Max
Gain	-0.3 dBi
Radiation	Omni-directional
Polarization	Linear
<b>Physical Properties</b>	
Connector	1 Generation IPEX
Cable Type	O.D.0.81mm
Cable Length	50mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



# Agilent E5071B

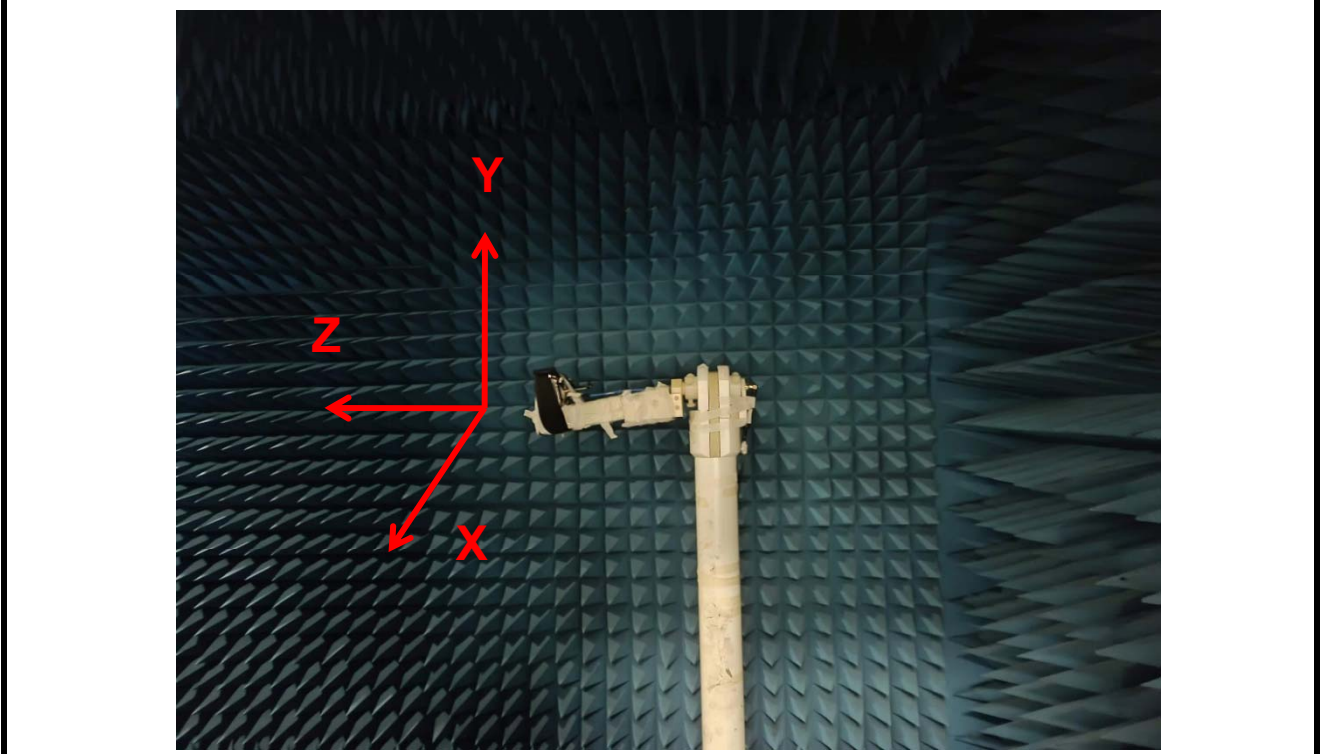
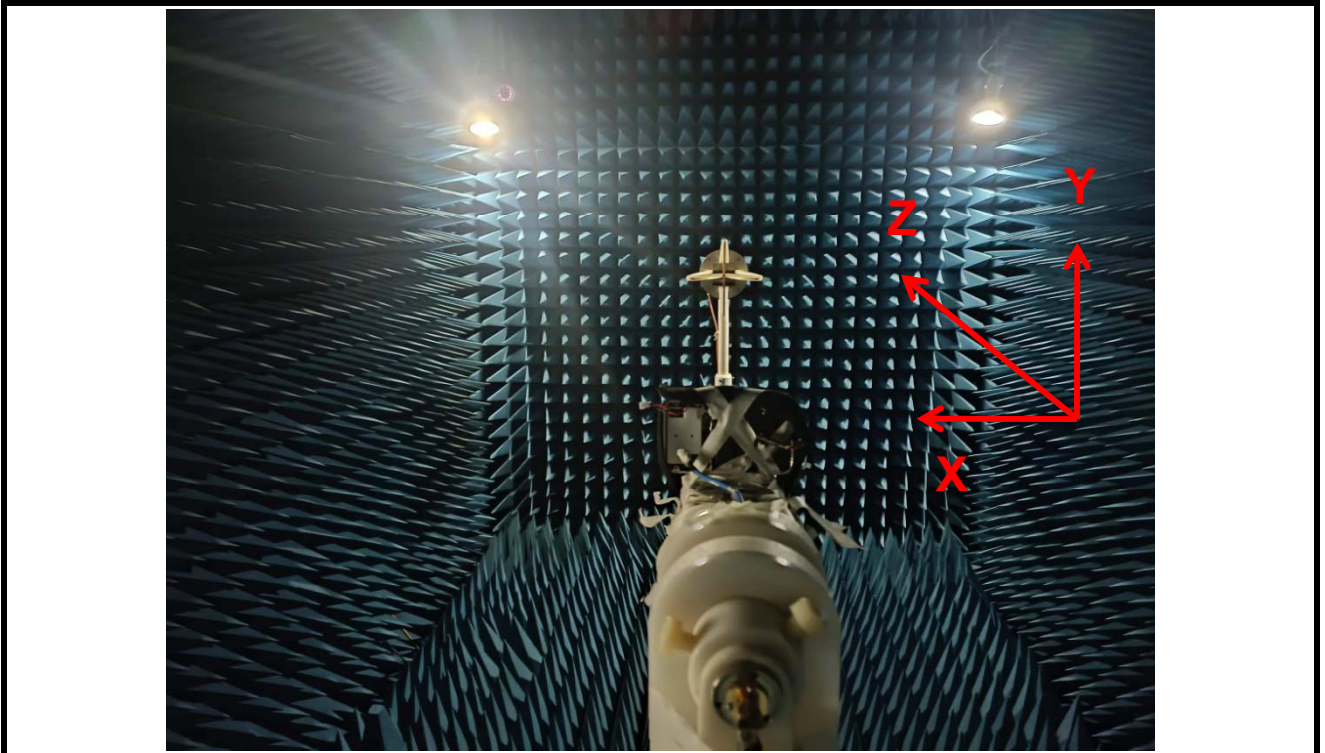


# S Parameter Test // WiFi Antenna





## *Antenna Passive Test*





### Passive Test For WiFi Antenna(2.4G)

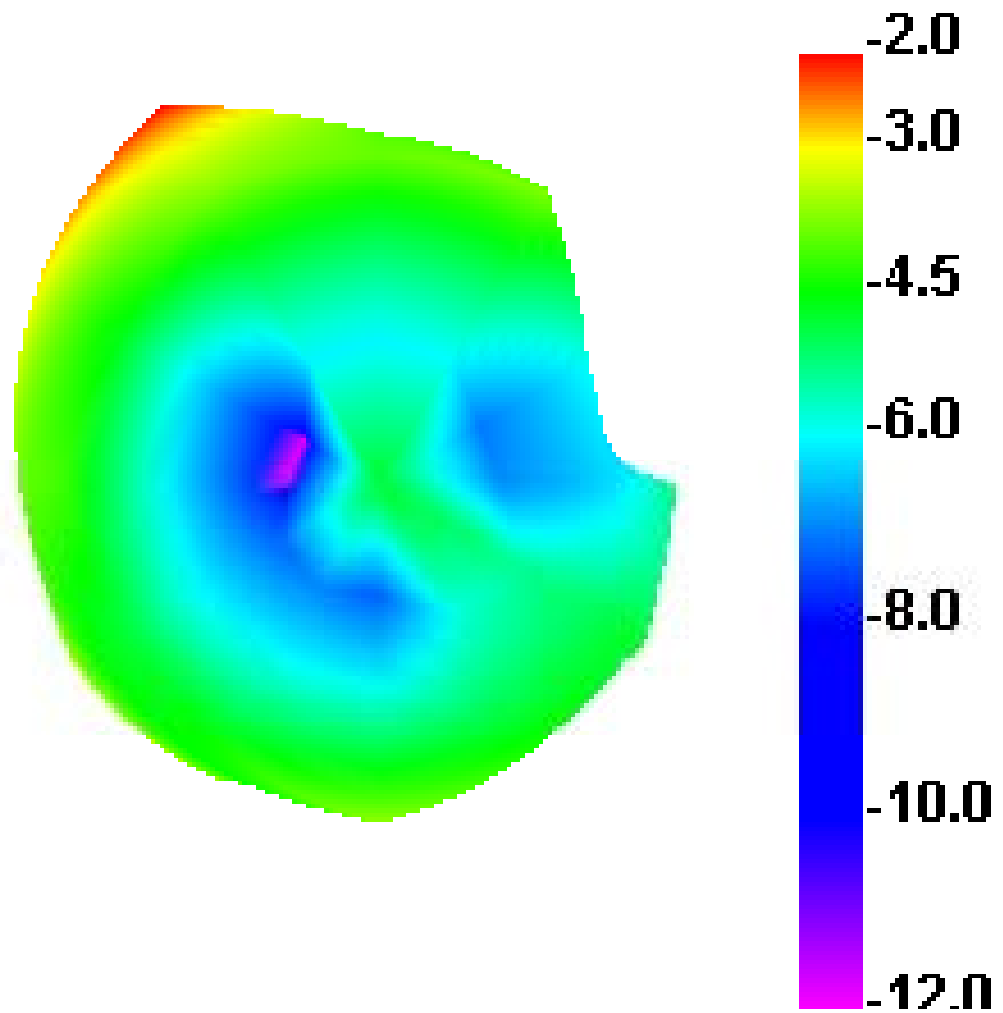
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	17.8	-7.5	-2.0
2410	18.0	-7.5	-1.7
2420	18.5	-7.3	-1.4
2430	18.3	-7.4	-1.2
2440	18.5	-7.3	-1.0
2450	19.5	-7.1	-0.6
2460	19.9	-7.0	-0.5
2470	20.9	-6.8	-0.3
2480	21.0	-6.8	-0.3
2490	21.3	-6.7	-0.4
2500	21.8	-6.6	-0.7

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



## Radiation Pattern For WiFi Antenna

# 2400.000MHz

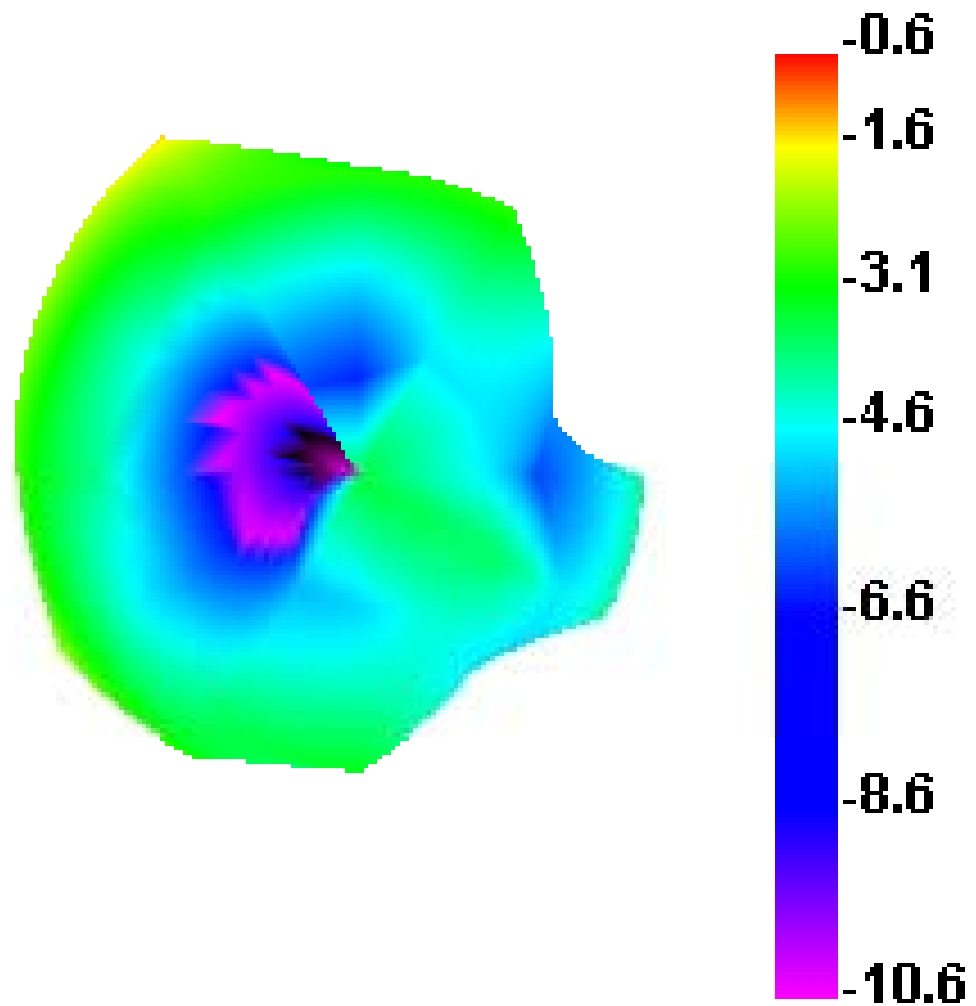






## Radiation Pattern For WiFi Antenna

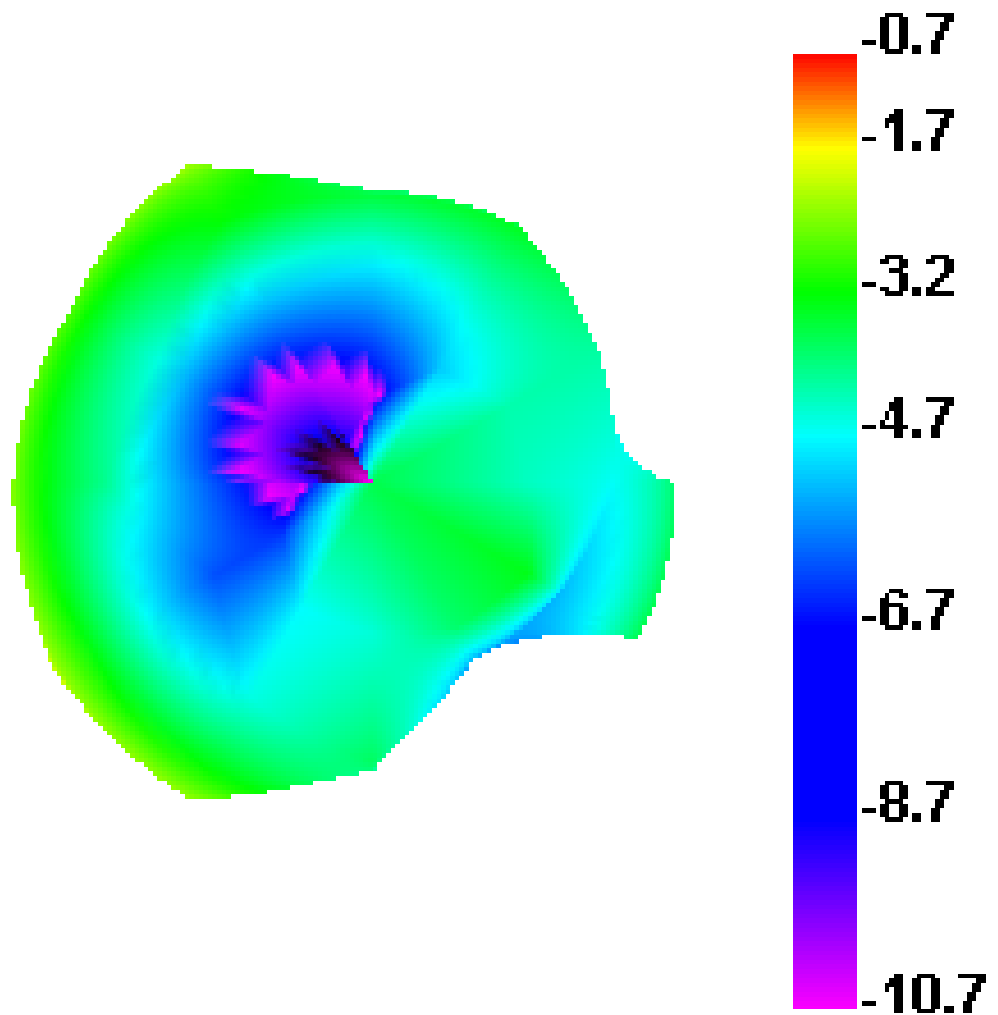
# 2450.000MHz





## Radiation Pattern For WiFi Antenna

# 2500.000MHz





*Device*





*Antenna  
WiFi*





*WiFi Antenna*