

TOPBAND

CO-INNOVATING A SMARTER FUTURE

SPECIFICATION FOR APPROVAL

Product Name: WIFI antenna

Product Type: WIFI antenna, YJT01.010.007.301A IPEX 1, Line 132mm PCB

TOPBAND Part NO.: _____

Manufacturer Name: Dongguan Yijia Electronic Communication

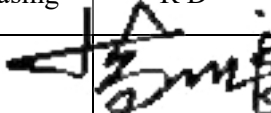
Technology Co., Ltd

Manufacturer Part NO.: YJT01.010.007.301A

Environmental Properties: RoHS REACH

Spec Version: V1.0

Date: 2022.11.04

Manufacturer			TOPBAND		
Drafter	Check	Approver	Device	Purchasing	R D
谢丽	陈国强	申辉			

Manufacturer: Dongguan Yijia Electronic Communication Technology Co., Ltd

Address: Yuanfu Industrial Zone, No. 59, Muyu Road, Shatou Community, Chang'an Town, Dongguan City

Phone: 0769-82586086

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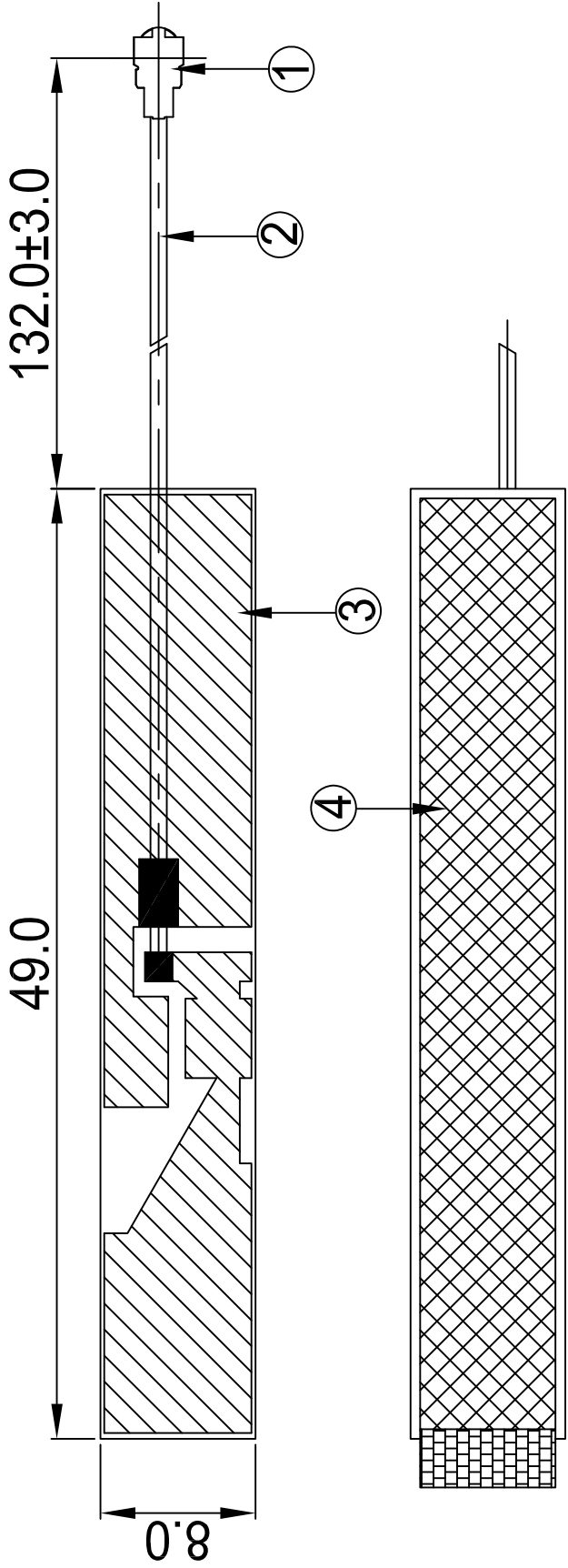
承认书项目表

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

ROHS
Compatible

CUSTOMER 拓邦
PART NO 净水器

REV. Δ
DESCRIPTION 首次发行
DATE 2017.07.04



东莞市一佳电子通讯科技有限公司
Dongguan Yijia Electronics Communication Technology Co., Ltd. Tel: 0769-85535057 Fax: 0769-81664308

PART NAME: WiFi Antenna L=132mm MHF

PART NO.: YJT01.010.007.301A

DATE: 2017-07-04

APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance X.X ±0.50 X.XX ±0.15 X° ±3°
陈国强	文雪	汪婷	
UNITS: mm	SCALE: 1/1	REVISION: A	

4	Paster	48.0*7.0MM	3M 4229P	PAS100XXXA.P01	1
3	PCB Green	49.0*8.0*0.4MM	PCB	PCB100XXXA.P01	1
2	Coaxial Cable	O.D.1.13Black	O.D.1.13	COA100XXXA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER10001A.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

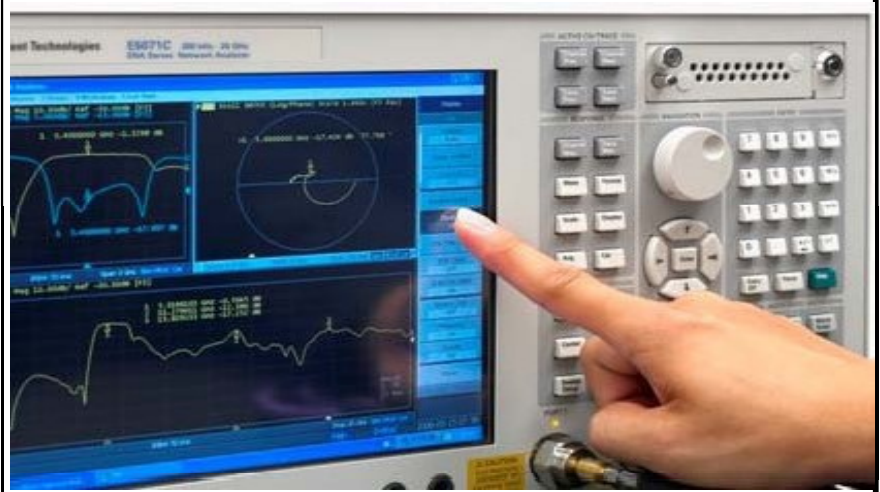
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.0 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	132mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25 ± 5°C / <70%

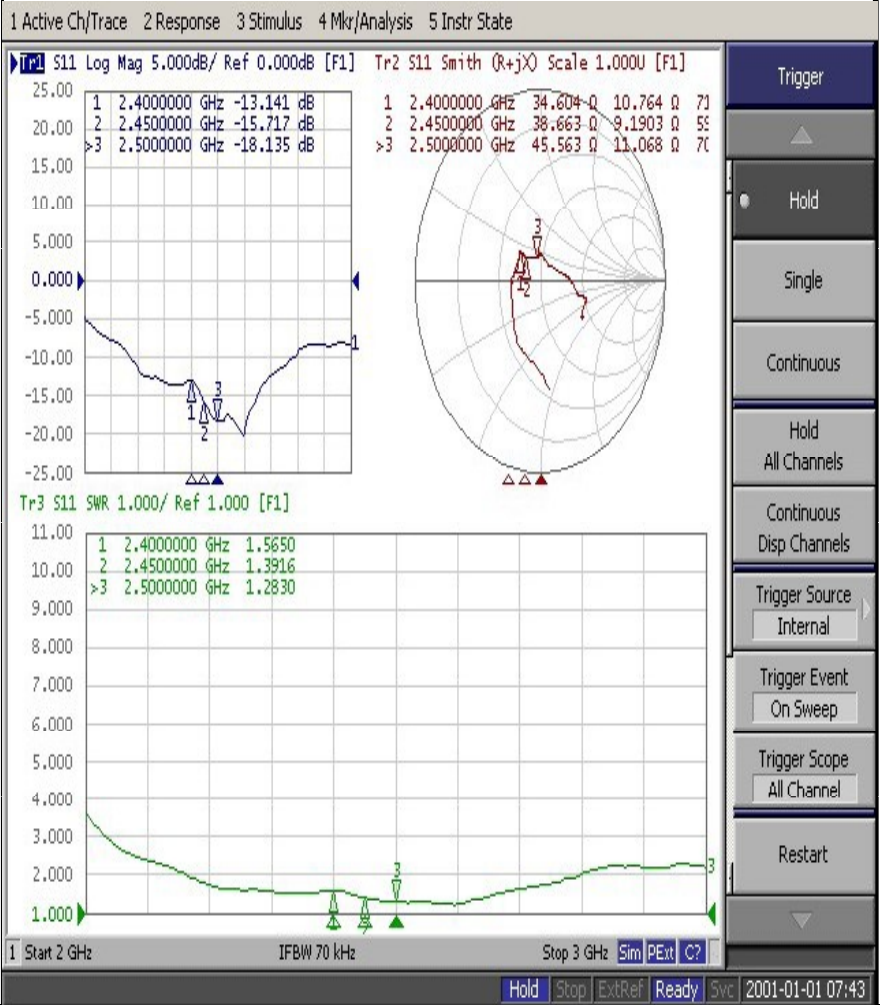


Antenna Performance Test

**Agilent
E5071B**

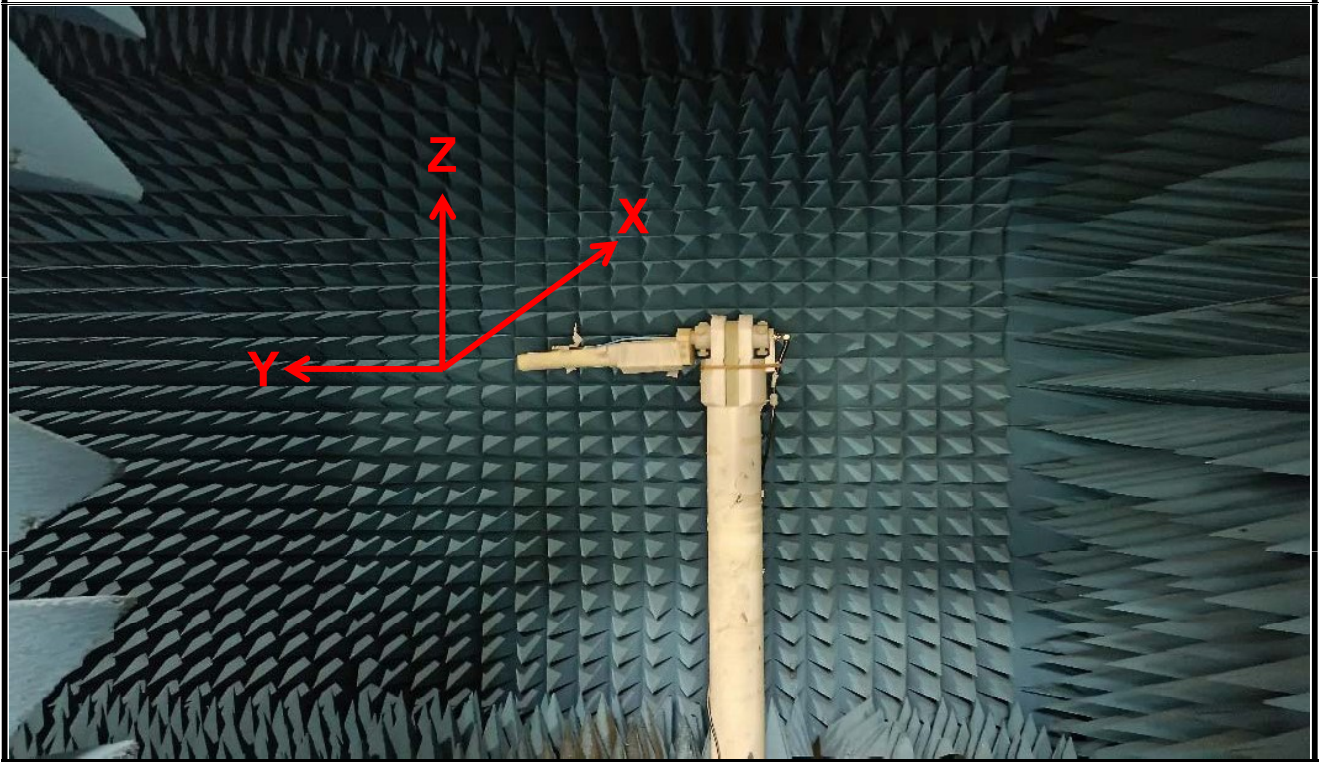
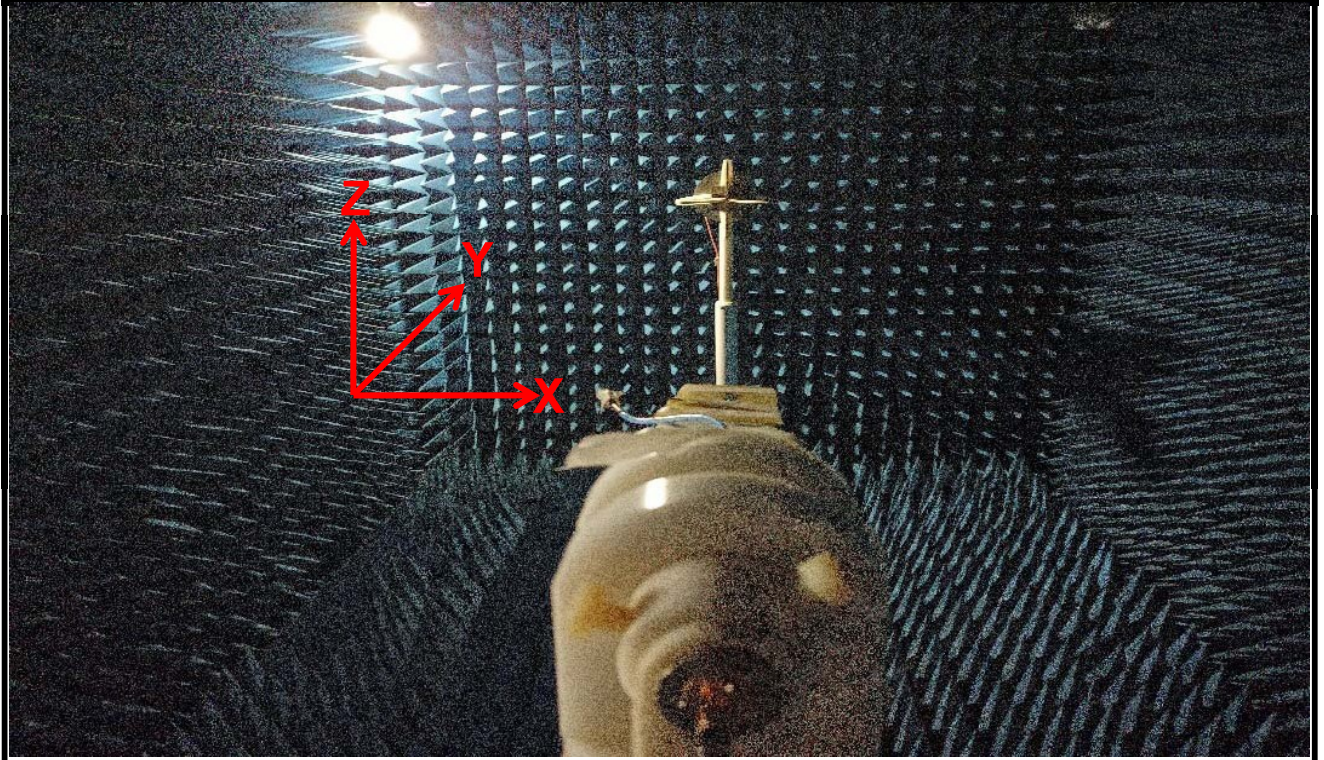


**S
Parameter
Test //
WiFi
Antenna**





Antenna Passive Test



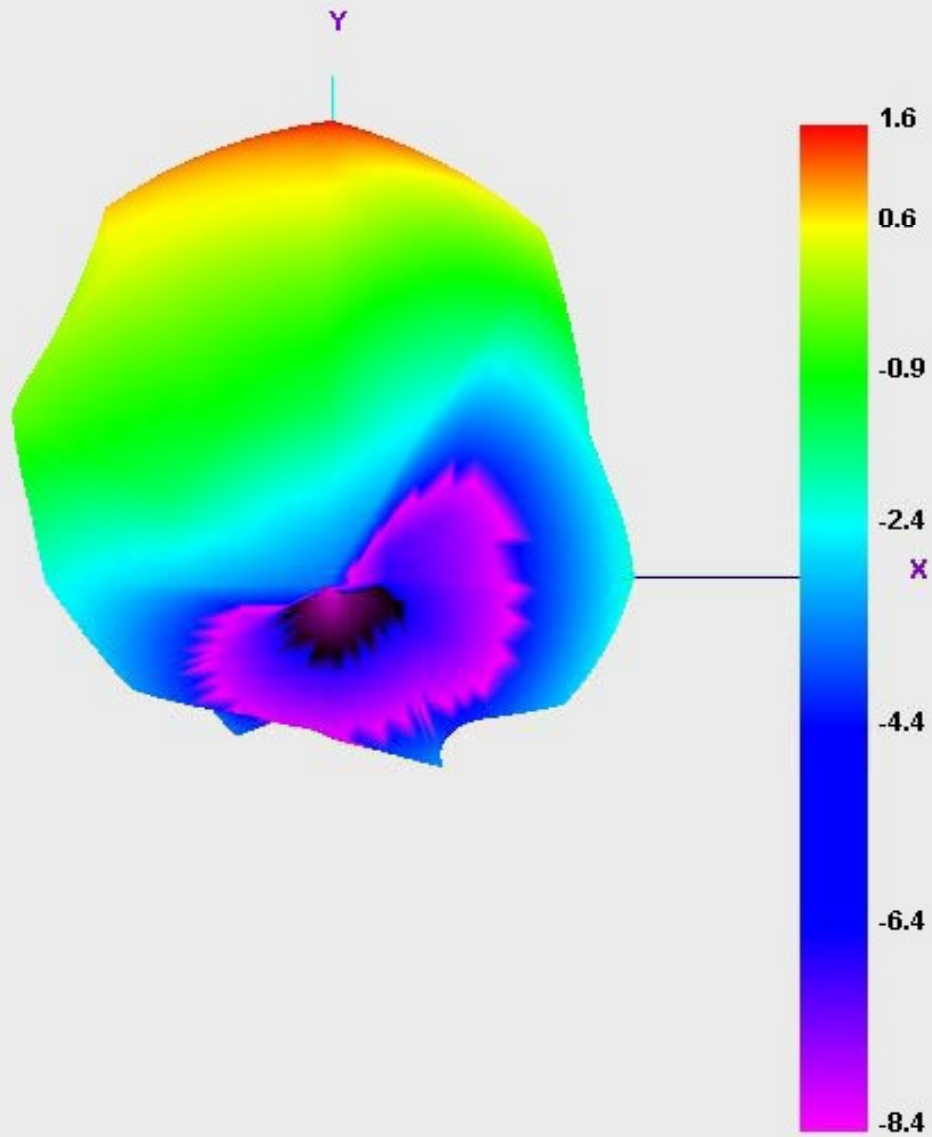


Passive Test For WiFi Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	70.6	-1.5	1.5
2410	70.9	-1.5	1.6
2420	69.8	-1.6	1.3
2430	68.1	-1.7	1.4
2440	66.4	-1.8	1.3
2450	68.4	-1.7	1.3
2460	67.9	-1.7	1.8
2470	68.9	-1.6	1.9
2480	68.2	-1.7	2.0
2490	70.6	-1.5	1.9
2500	70.9	-1.5	1.8



Radiation Pattern For WiFi Antenna

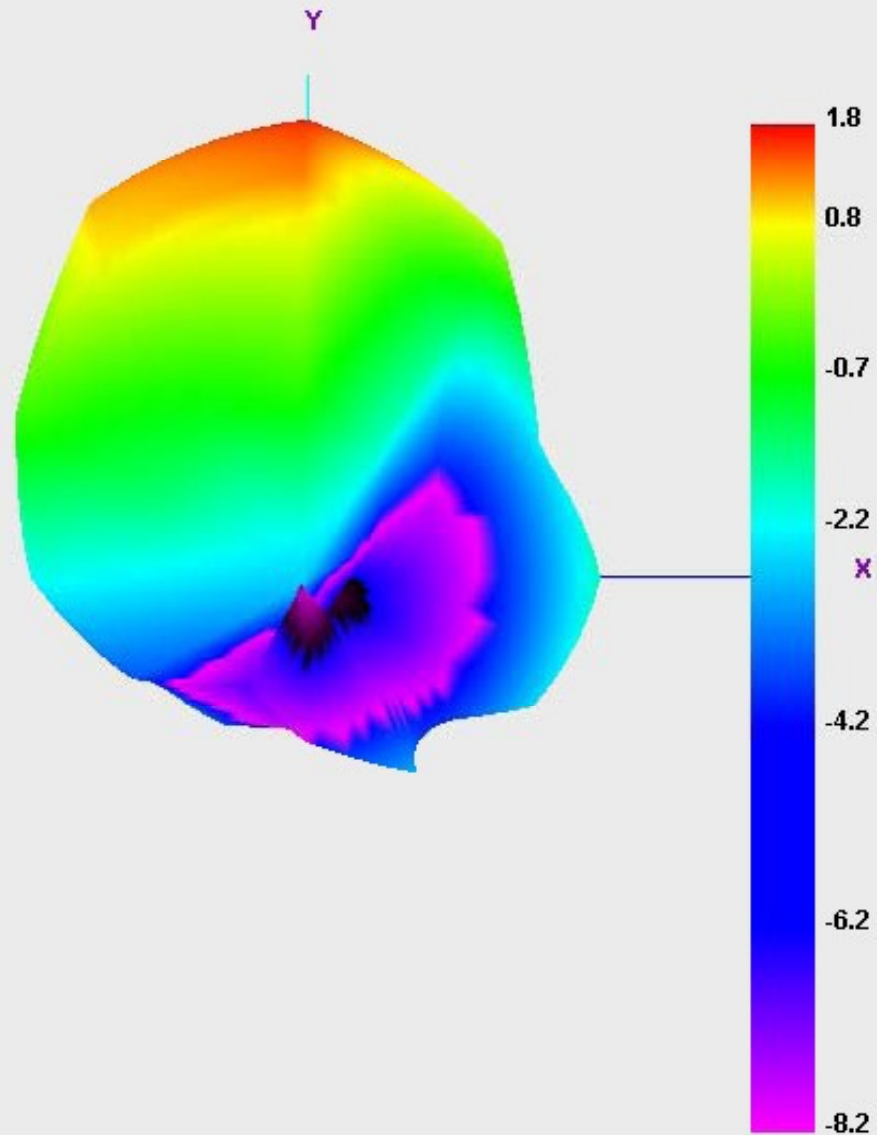
2400.000MHz





Radiation Pattern For WiFi Antenna

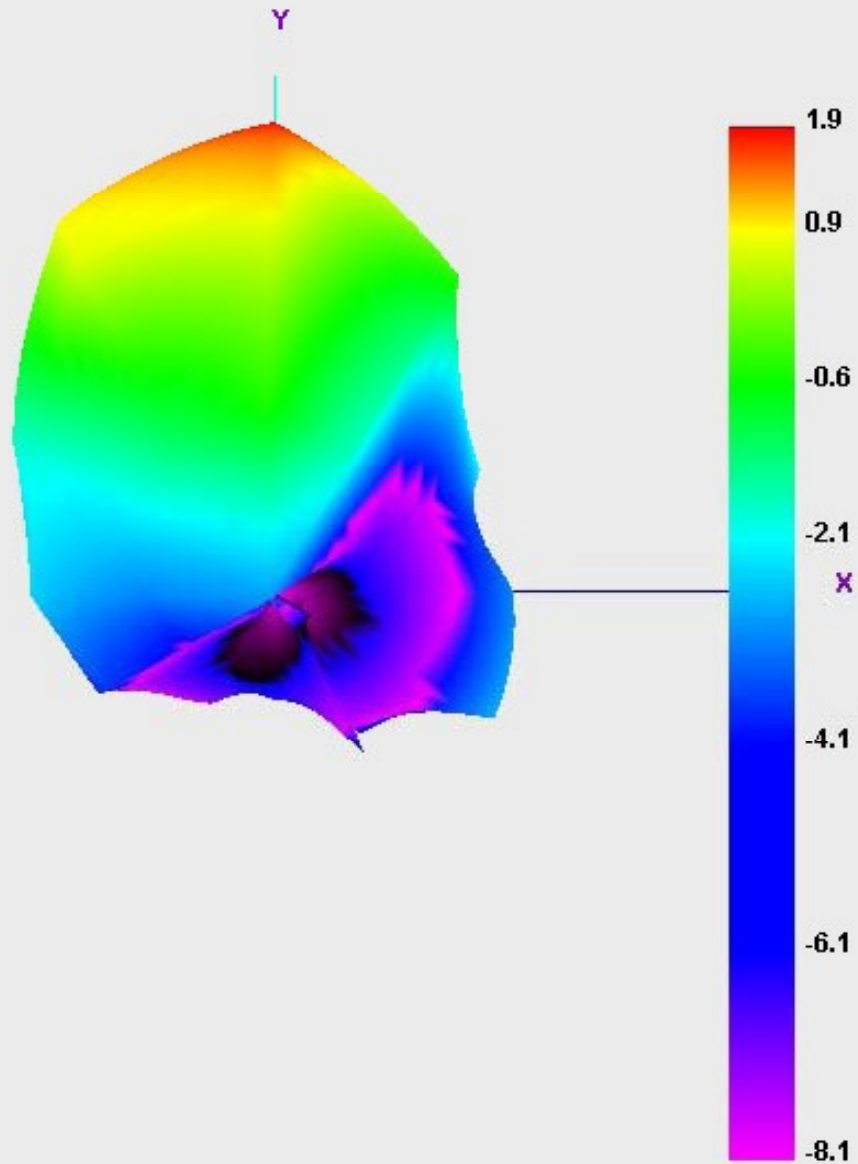
2450.000MHz





Radiation Pattern For WiFi Antenna

2480.000MHz





*WiFi
Antenna*

