

# Antenna Specification

## ***Contents:***

1. Antenna type : FPC ANT
2. Antenna Model: F155UFL
3. Antenna gain : WIFI 2.4G ANT: 3.2dBi(Max)  
WIFI 5G ANT: 4.9dBi(Max)

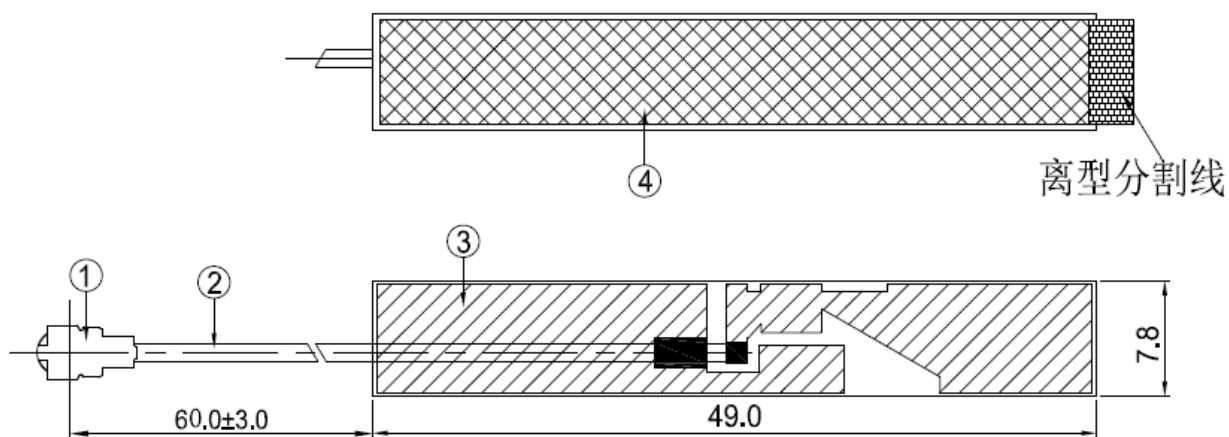
Tester : Tang Guohao

Approval : Chen Guoqiang

Date : 2022 / 10 / 10

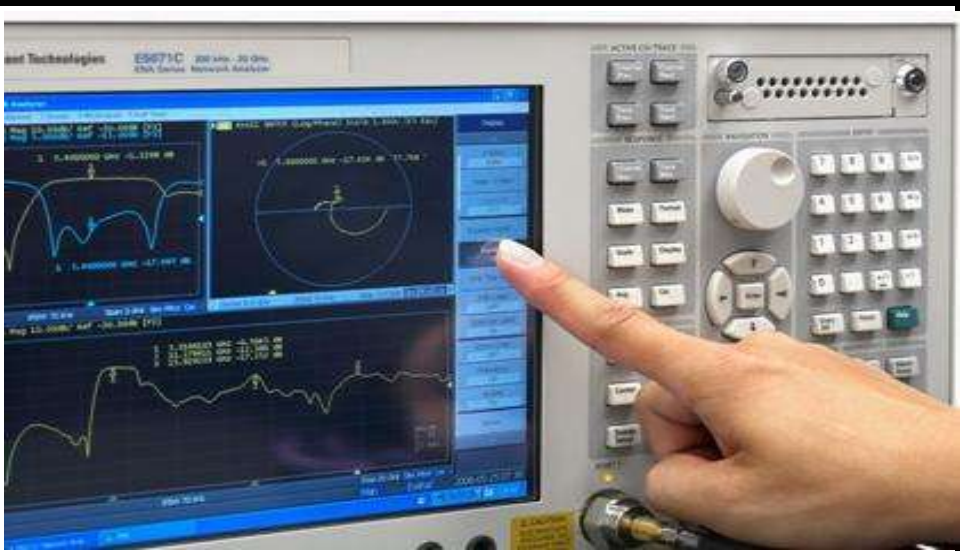
# 1. Antenna Profile

## WiFi Antenna

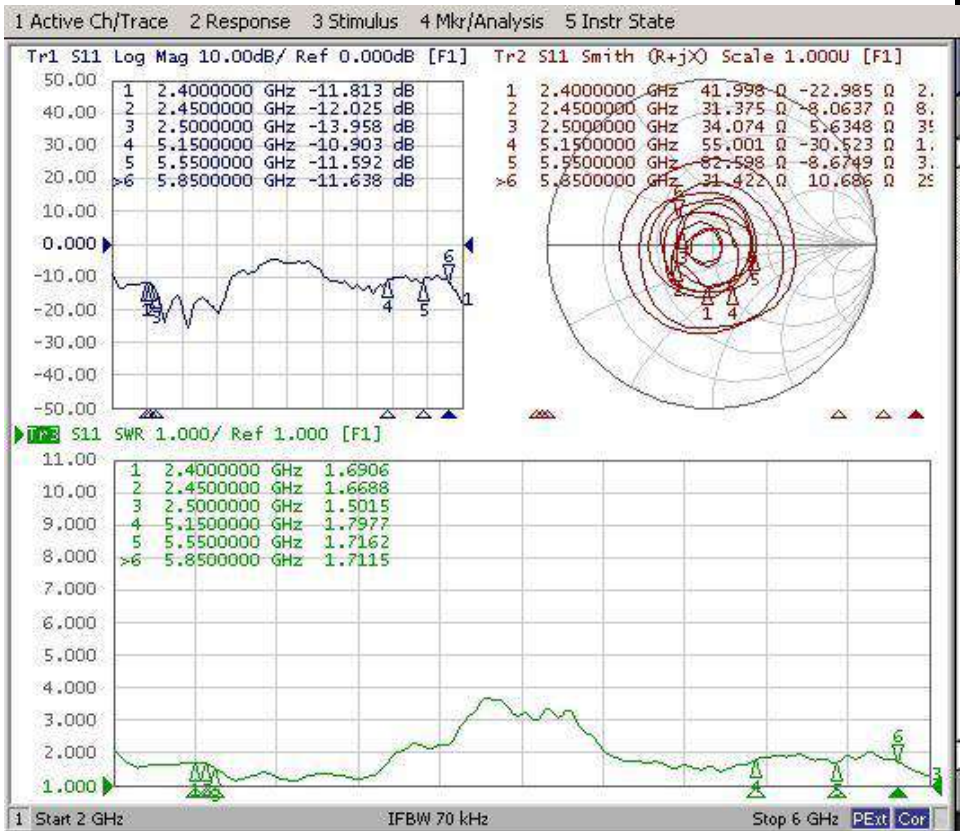


# 2. Antenna Performance Test

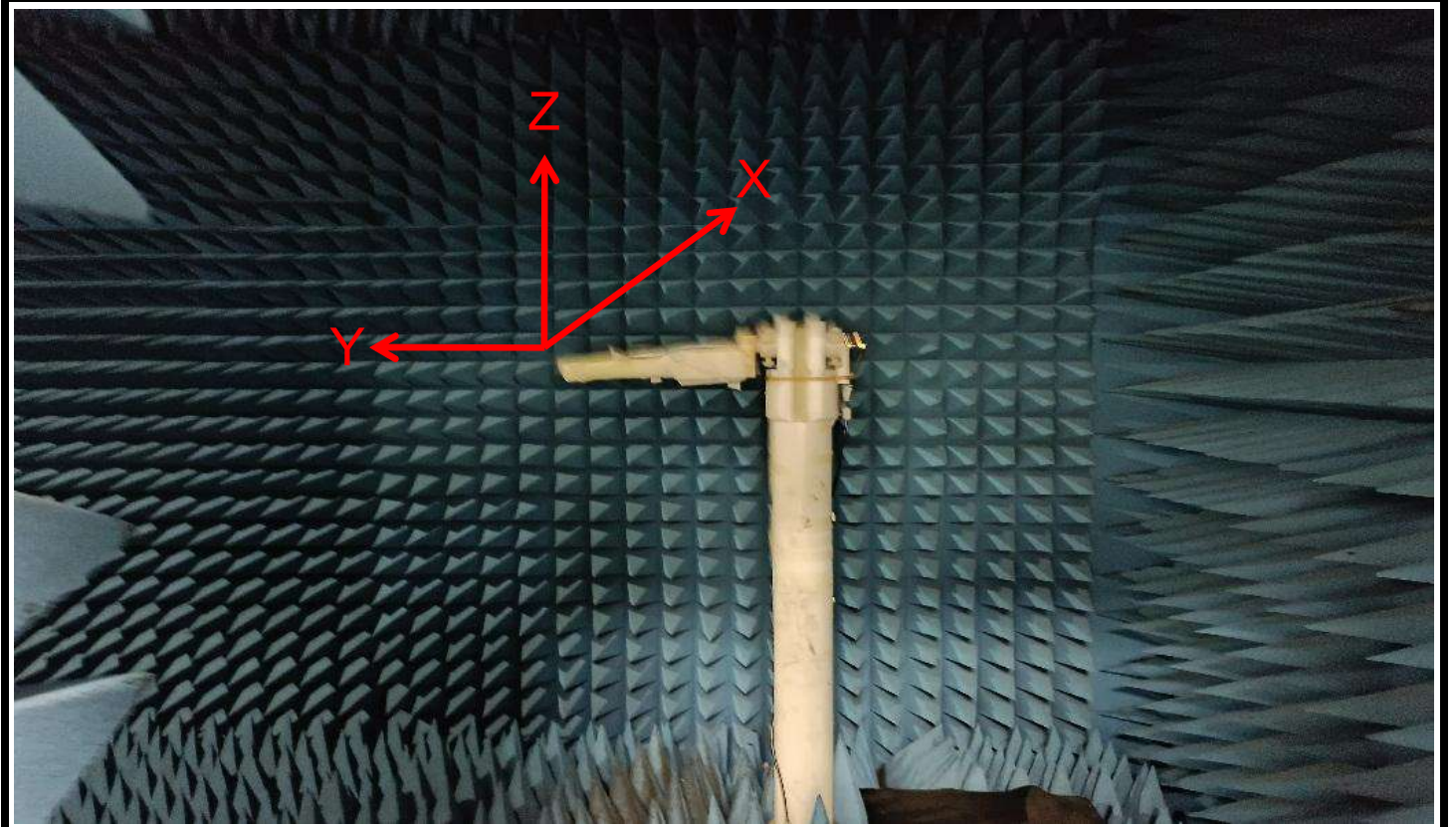
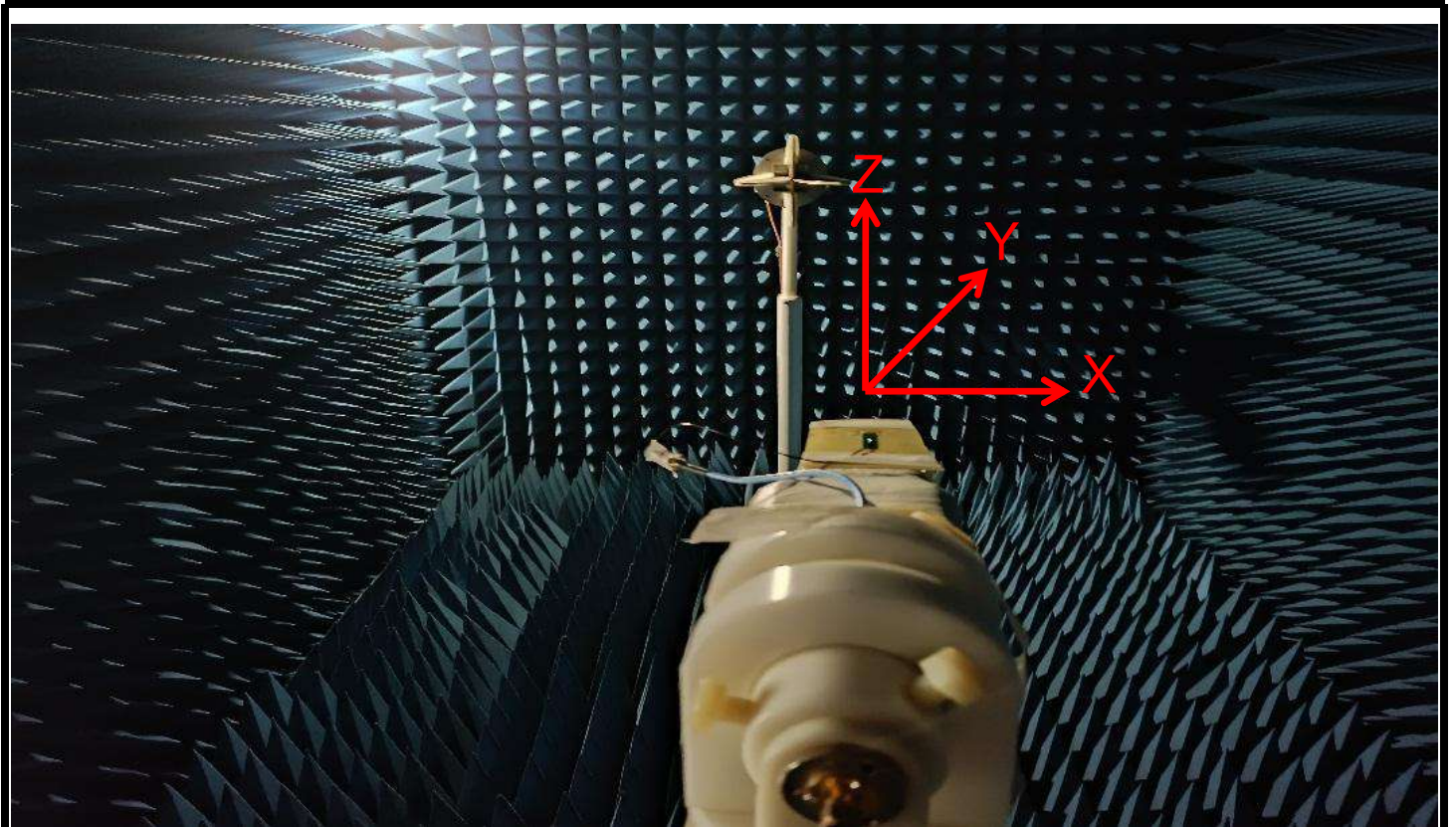
Agilent  
E5071B



S  
Parameter  
Test //  
WiFi  
Antenna



### *3. Antenna Passive Test*



Passive Test For WiFi2.4G

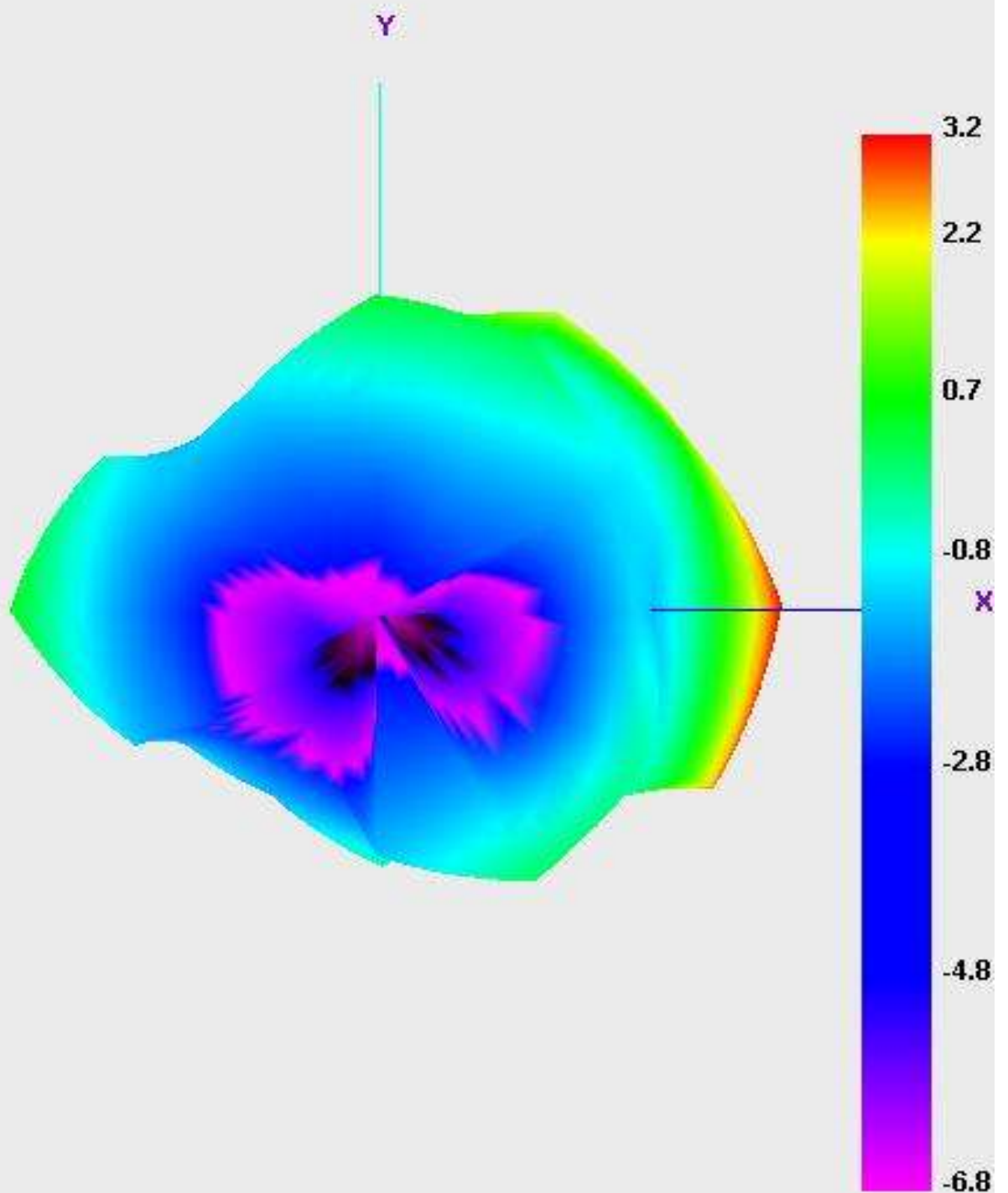
| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 2400          | 52.0        | -2.8         | 3.2           |
| 2410          | 50.7        | -3.0         | 3.1           |
| 2420          | 49.0        | -3.1         | 3.0           |
| 2430          | 46.6        | -3.3         | 2.9           |
| 2440          | 44.7        | -3.5         | 2.7           |
| 2450          | 46.8        | -3.3         | 2.8           |
| 2460          | 47.2        | -3.3         | 2.8           |
| 2470          | 49.3        | -3.1         | 3.0           |
| 2480          | 48.9        | -3.1         | 2.8           |
| 2490          | 49.8        | -3.0         | 2.7           |
| 2500          | 53.0        | -2.8         | 2.9           |

Passive Test For WiFi5.8G

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|
| 5150          | 27.6        | -5.6         | -0.6          |
| 5200          | 39.4        | -4.0         | 0.9           |
| 5250          | 43.5        | -3.6         | 1.7           |
| 5300          | 49.3        | -3.1         | 2.2           |
| 5350          | 53.7        | -2.7         | 2.5           |
| 5400          | 51.8        | -2.9         | 2.3           |
| 5450          | 46.9        | -3.3         | 2.4           |
| 5500          | 45.5        | -3.4         | 2.7           |
| 5550          | 43.0        | -3.7         | 2.7           |
| 5600          | 46.5        | -3.3         | 3.0           |
| 5650          | 68.0        | -1.7         | 4.4           |
| 5700          | 67.8        | -1.7         | 4.7           |
| 5750          | 65.2        | -1.9         | 4.9           |
| 5800          | 55.8        | -2.5         | 4.7           |
| 5850          | 52.7        | -2.8         | 4.7           |

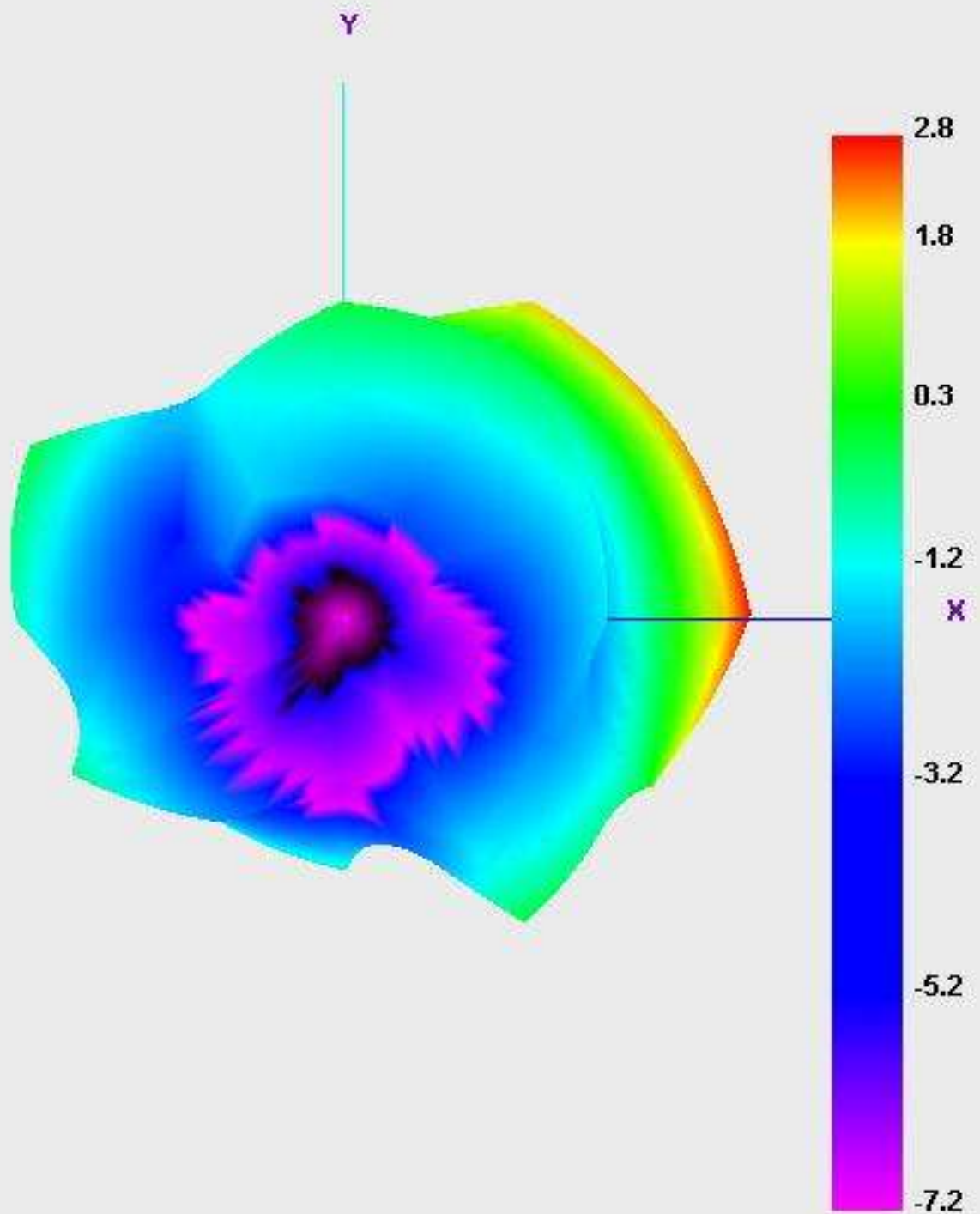
## Radiation Pattern For WiFi2.4G

2400.000MHz



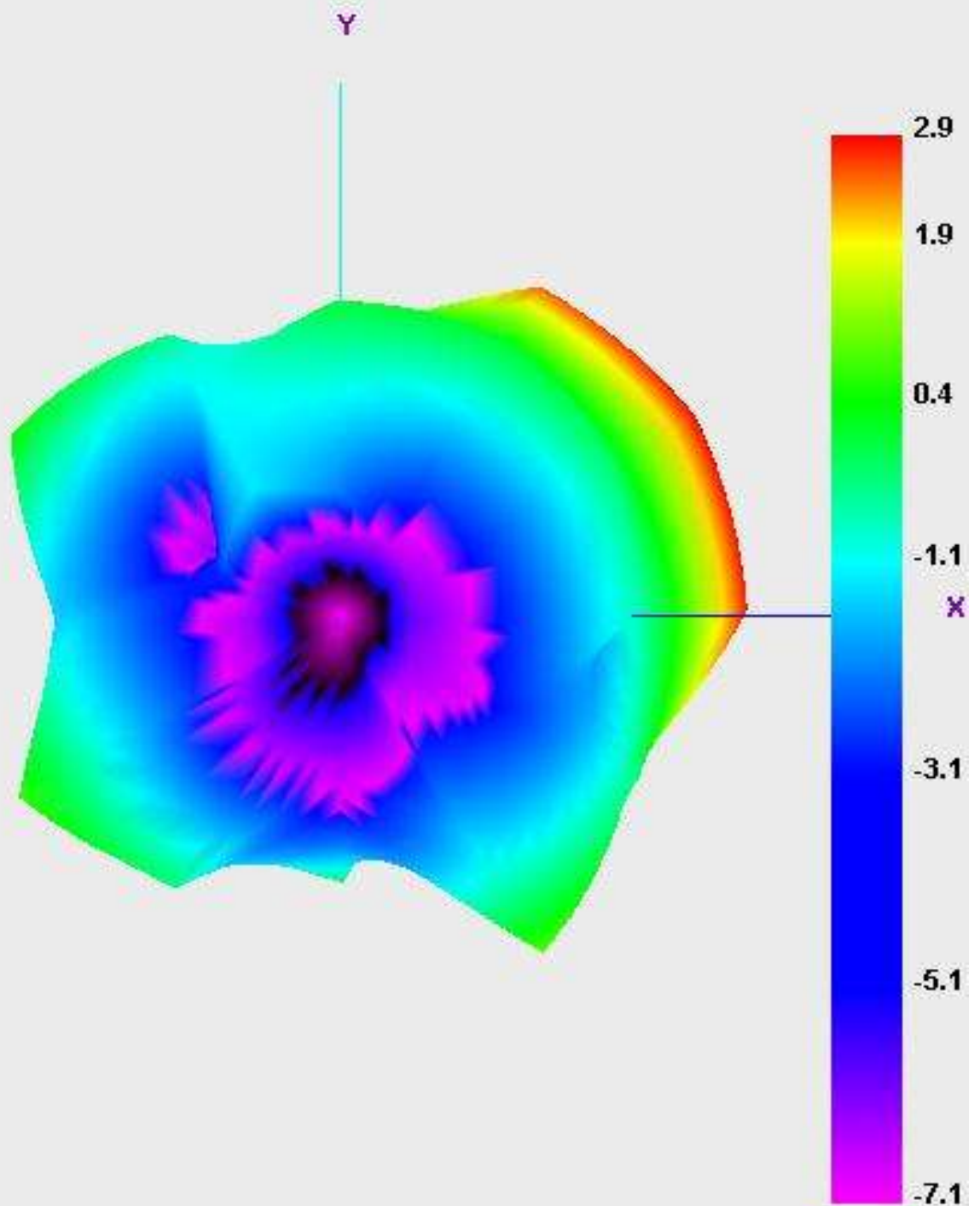
## Radiation Pattern For WiFi2.4G

2450.000MHz



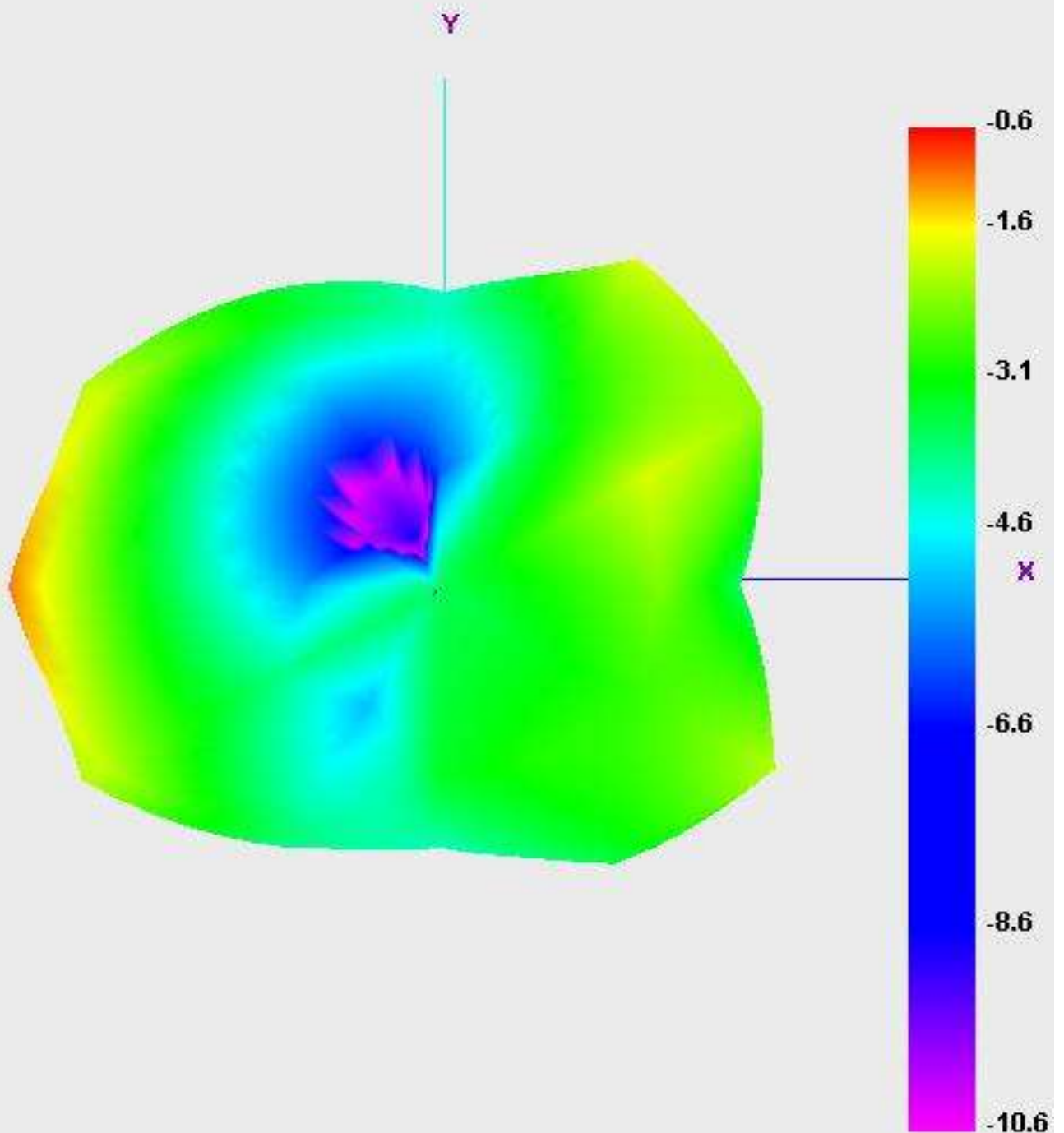
## Radiation Pattern For WiFi2.4G

2500.000MHz



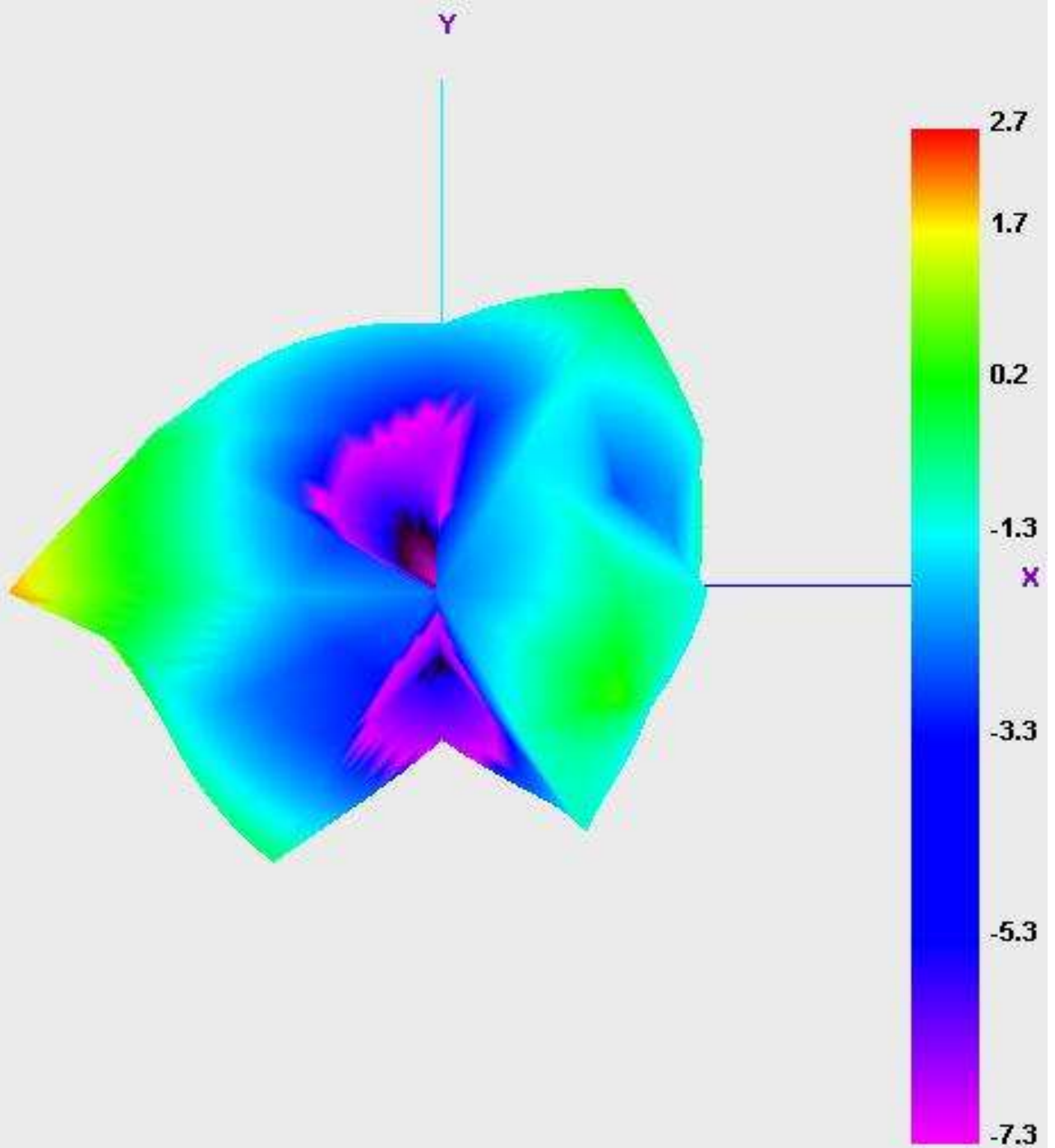
## Radiation Pattern For WiFi5.8G

5150.000MHz



## Radiation Pattern For WiFi5.8G

5550.000MHz



## Radiation Pattern For WiFi5.8G

5850.000MHz

