

Shenzhen Yolanda Technology Co., Ltd.

SPECIFICATIONS FOR APPROVAL

Customer Name: HUNAN ETOE Technology Co., Ltd

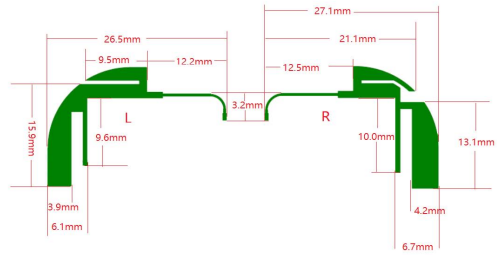
Product Name: PCB Ant

Product Model: A1332-A

Part Number: A1332-AL, A1332-AR

Issued Date: 2022-9-15

The basic parameters:

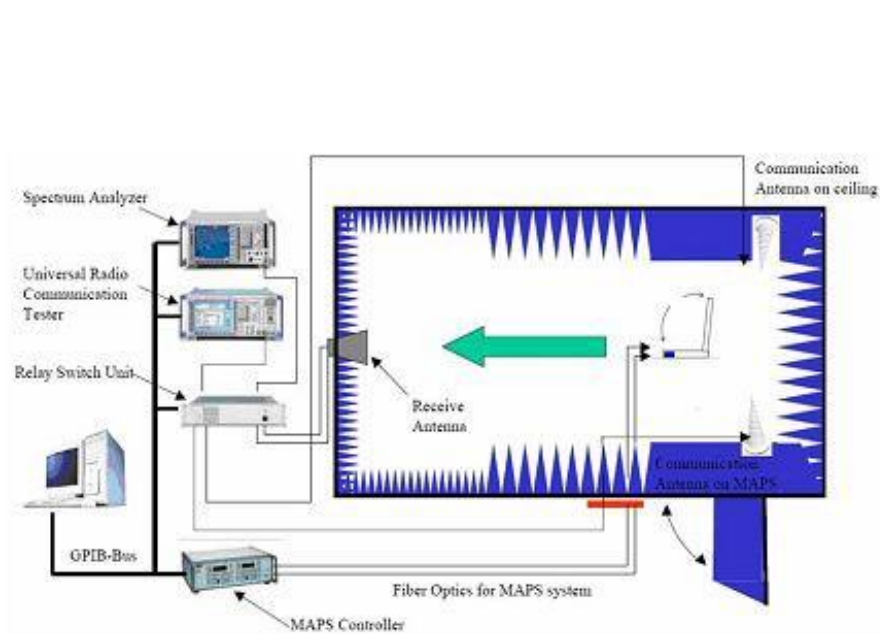
A. Electrical Characteristics	
Frequency	2400 MHz ~2500 MHz 5150 MHz ~ 5850 MHz
VSWR	< 2
Efficiency	>40%
Impedance	50 Ohm
Polarization	Linear
Gain	2.4G:2.1dbi(Max) Left; 2.1dbi(Max) Right 5G:3.0dbi(Max) Left; 3.0dbi(Max) Right
B. Material & Mechanical Characteristics	
Material of Radiator	
C. Environmental	
Operation Temperature	-10 °C ~ + 50 °C
Storage Temperature	- 30 °C ~ + 85 °C

Test Equipment & Conditions

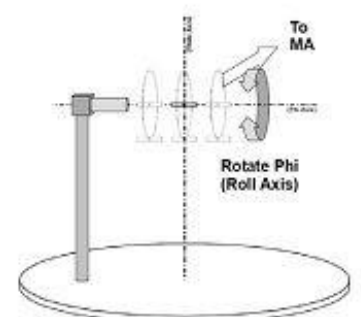
1. Network Analyzers :

Agilent 8753D 5071B

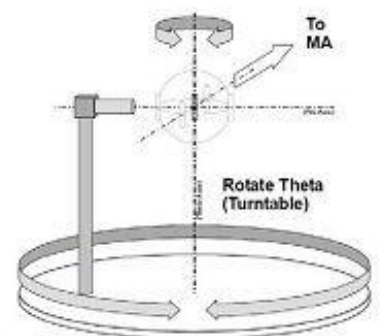
2. 3D Chamber Test System



(Testing by 3D anechoic chamber)

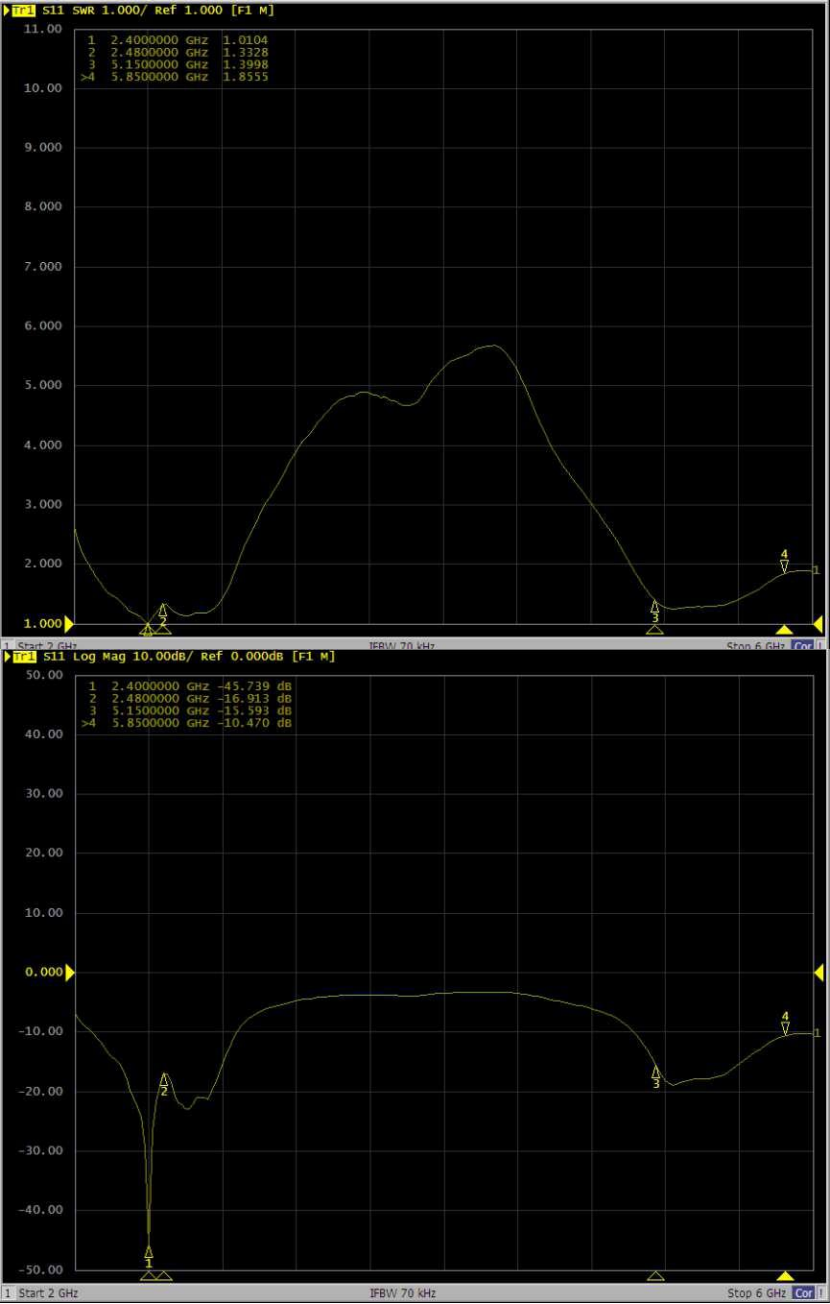


Phi axis test



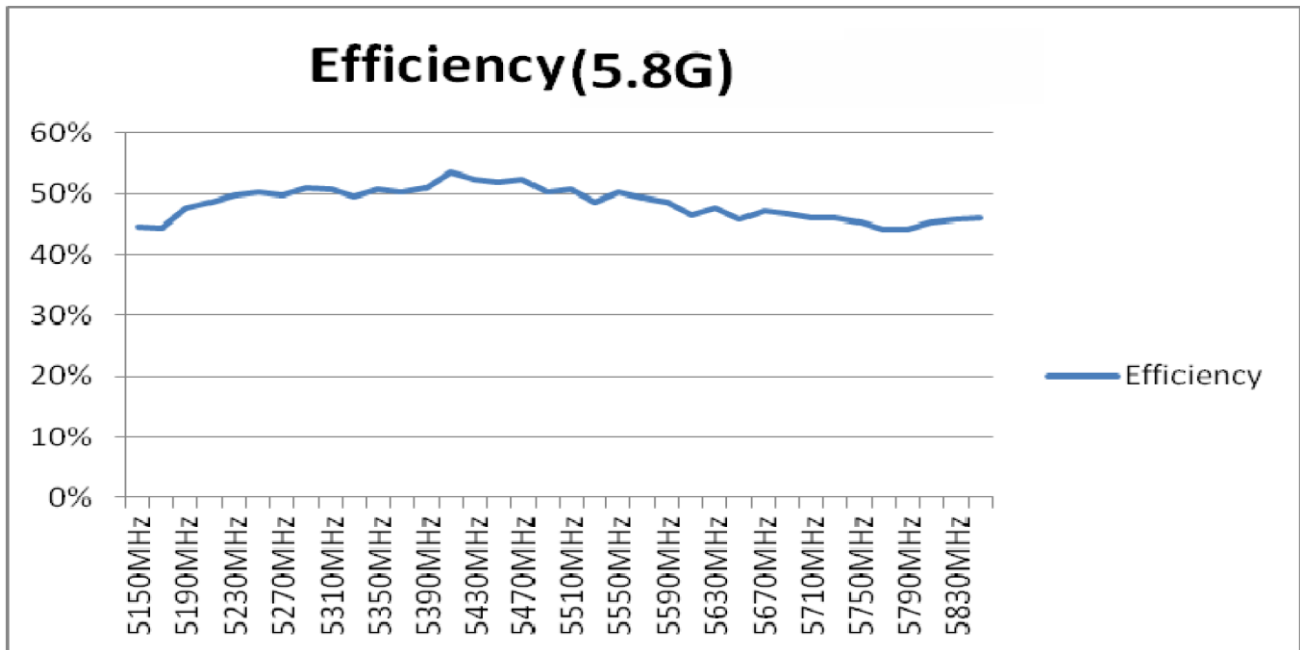
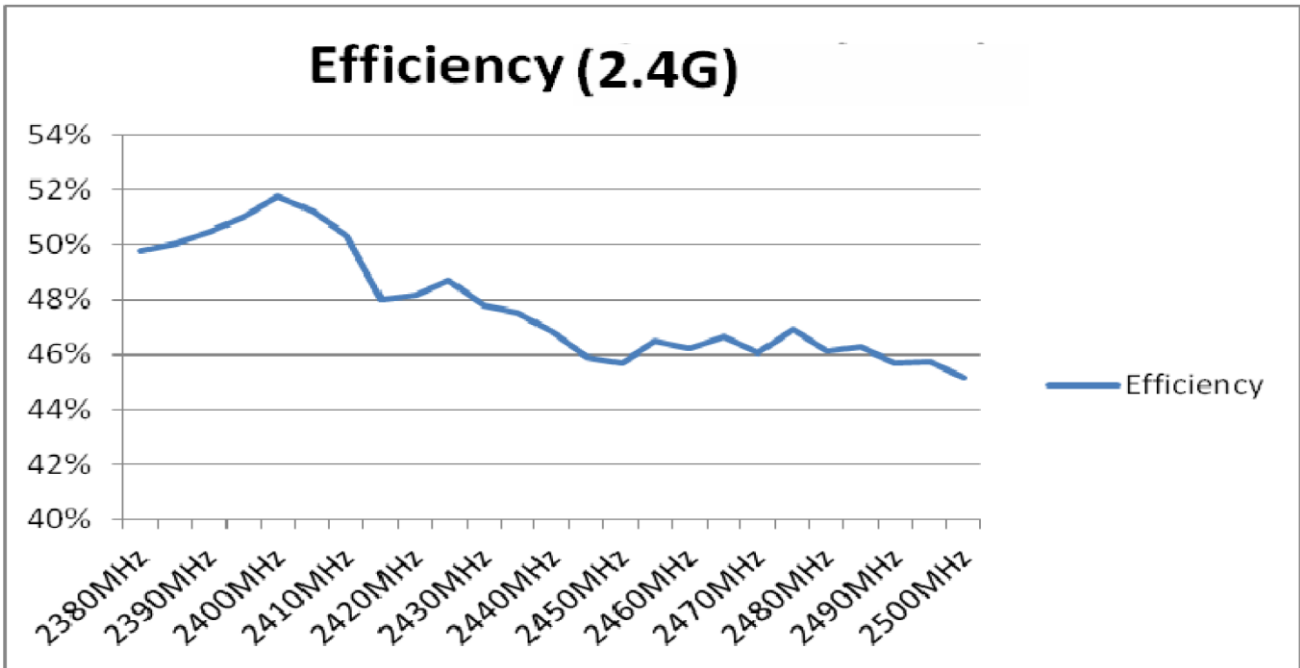
Theta axis test

3.Left Antenna Impedance: S11 (parameter)

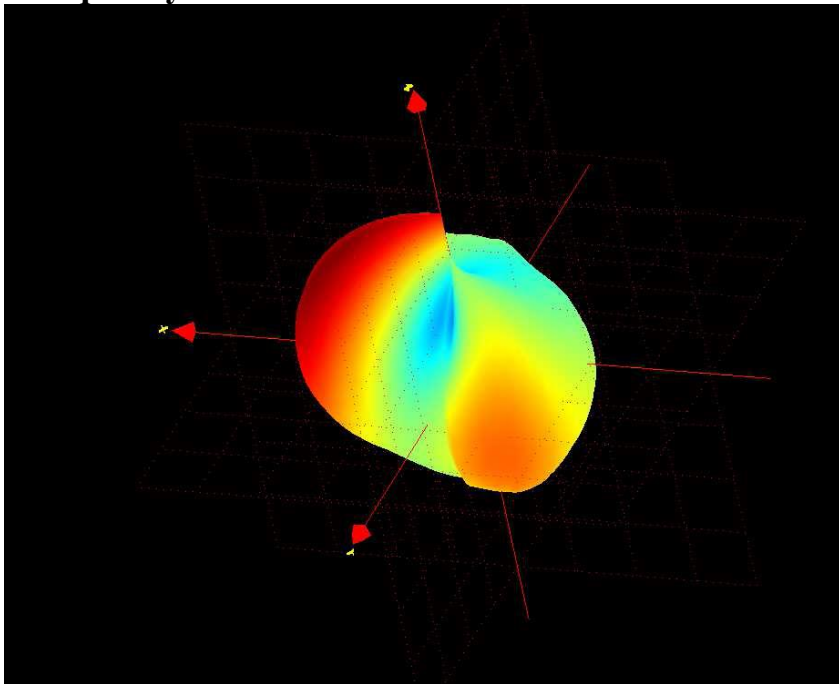


Antenna type	WIFI (2.4G&5.8G)				
Frequency(MHz)	2400	2480	5150	5550	5850
VSWR	1.01	1.33	1.39	1.53	1.85

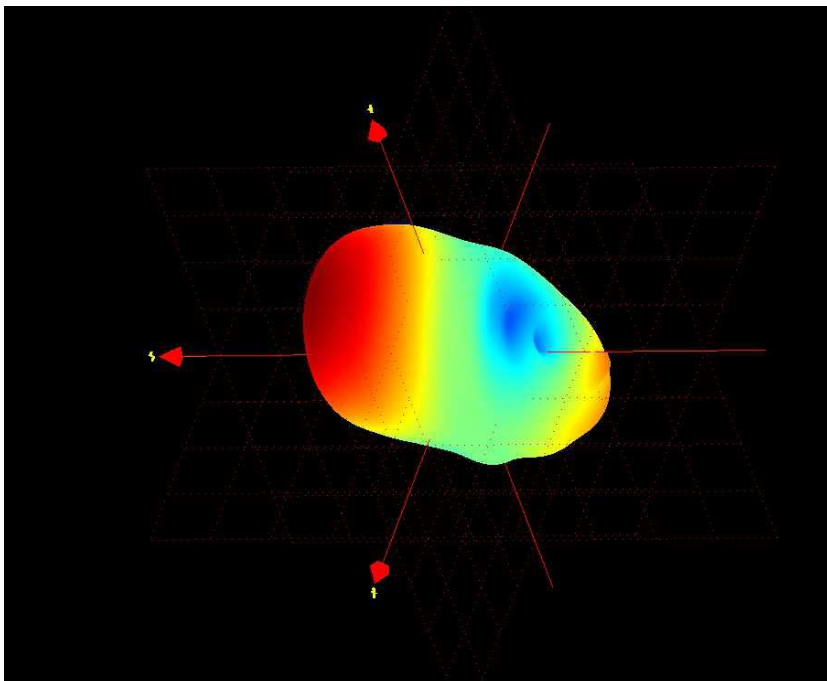
4. Left Total Efficiency-2.4G:



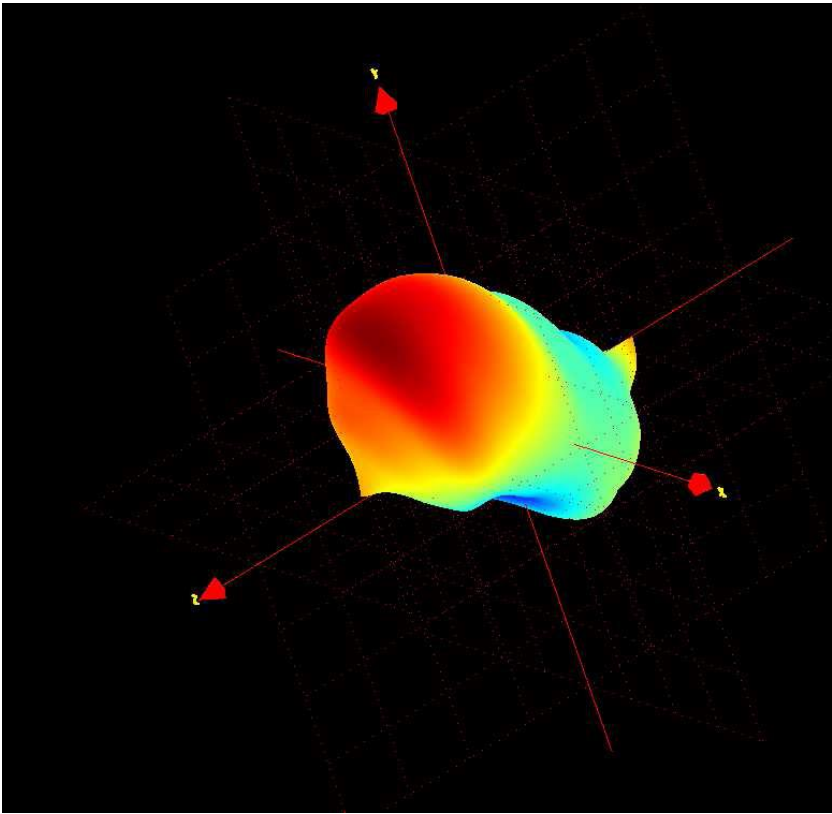
6. Left 3D Radiation characteristics of antenna
Frequency of 2400MHz



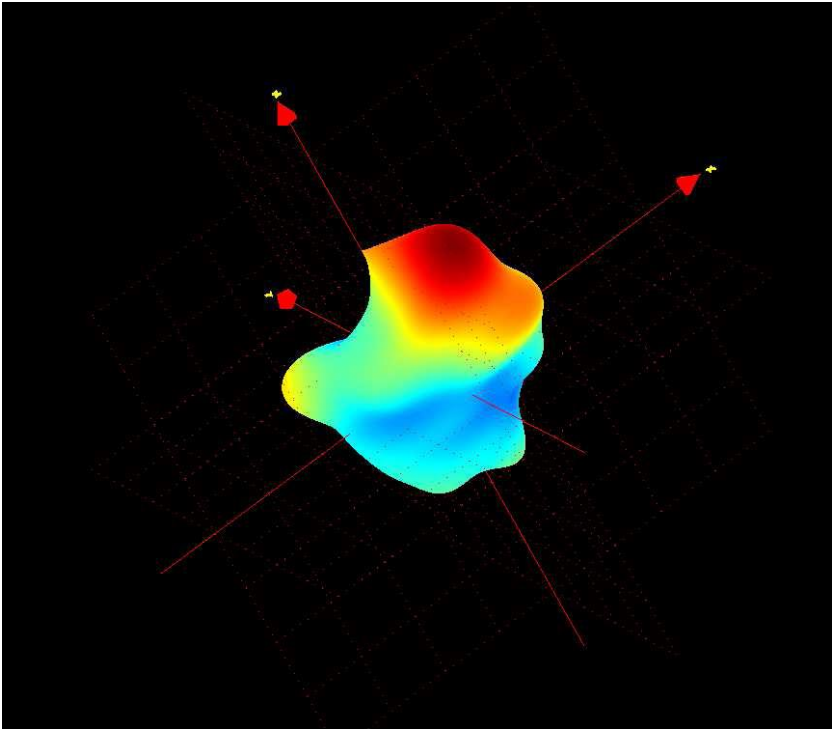
Frequency of 2440MHz



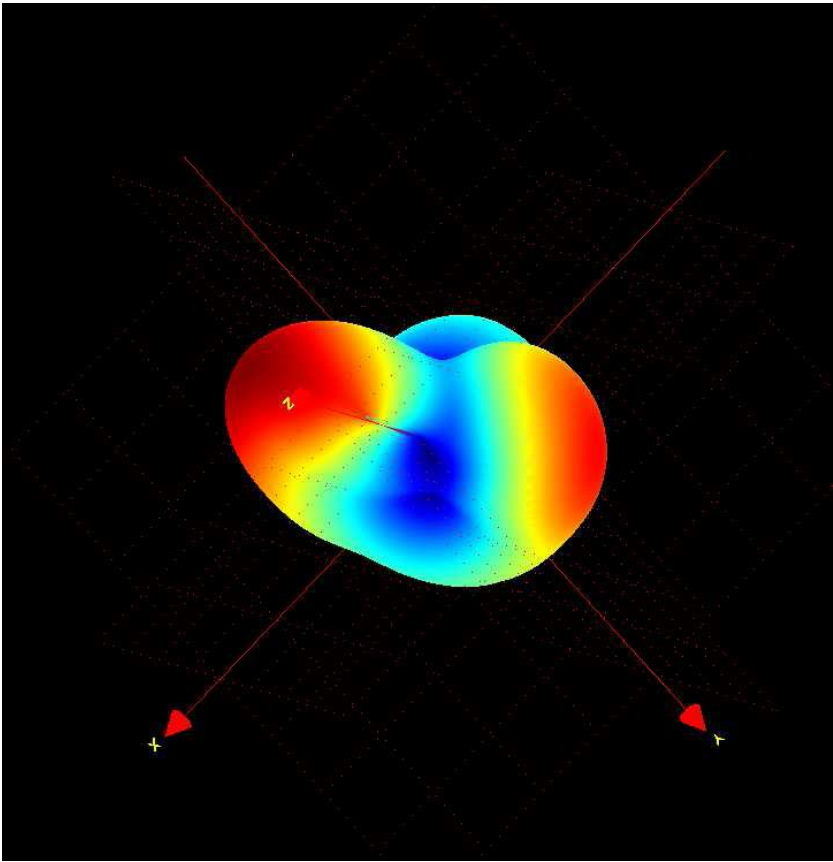
Frequency of 2480MHz



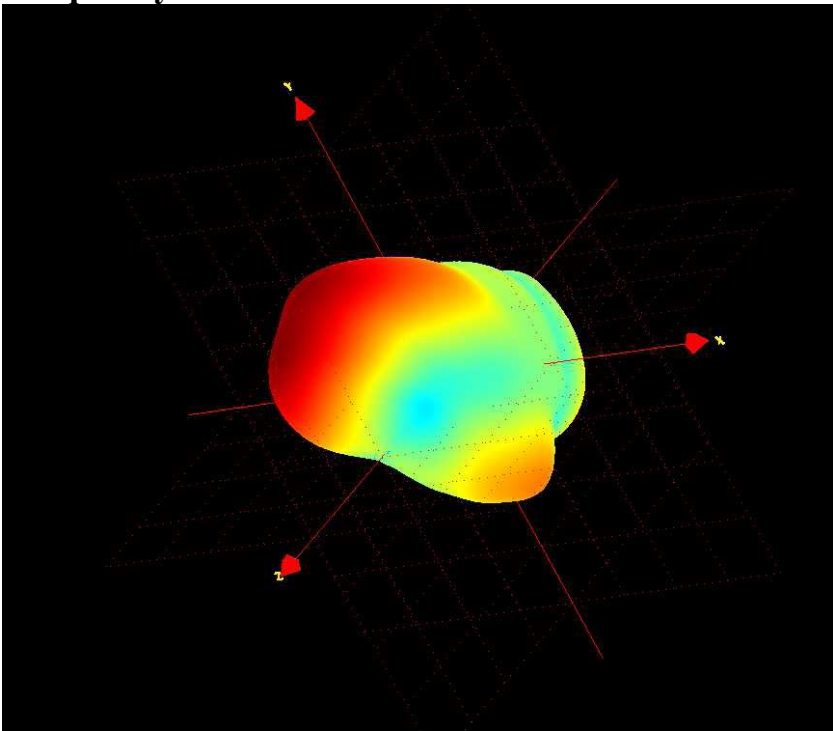
Frequency of 5150MHz



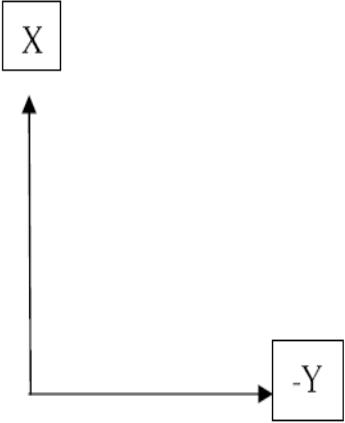
Frequency of 5550MHz



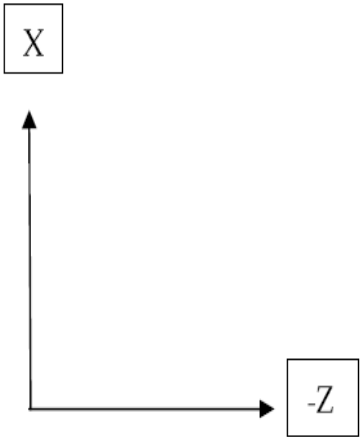
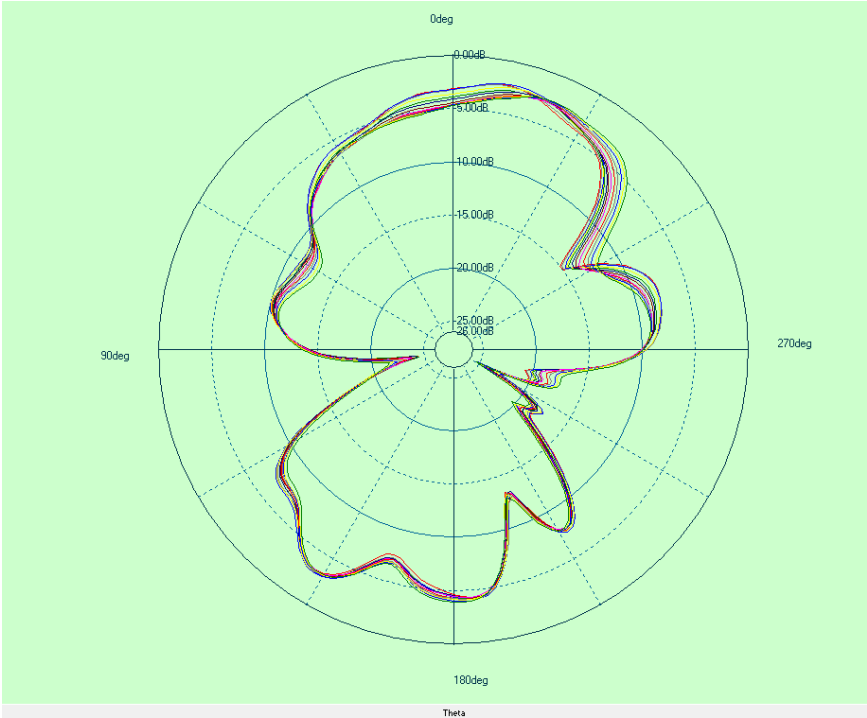
Frequency of 5850MHz



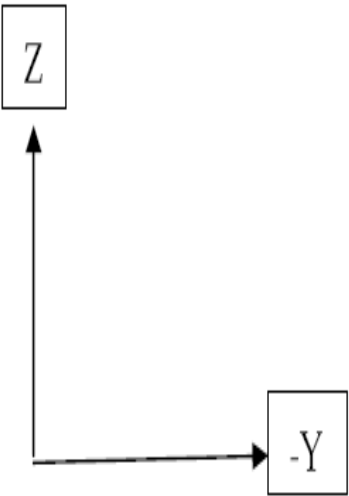
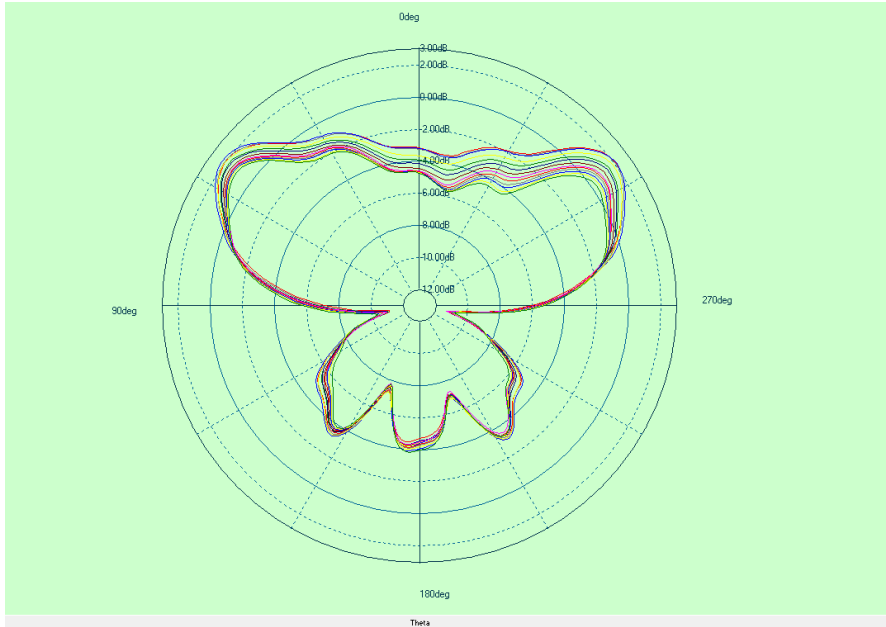
7. Left 2D Radiation characteristics of antenna
WIFI/2.4G



Horizontal Plane

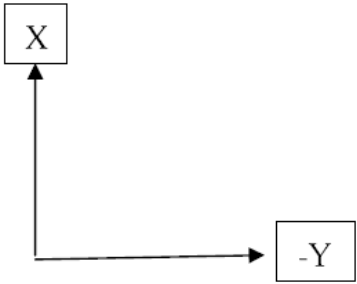
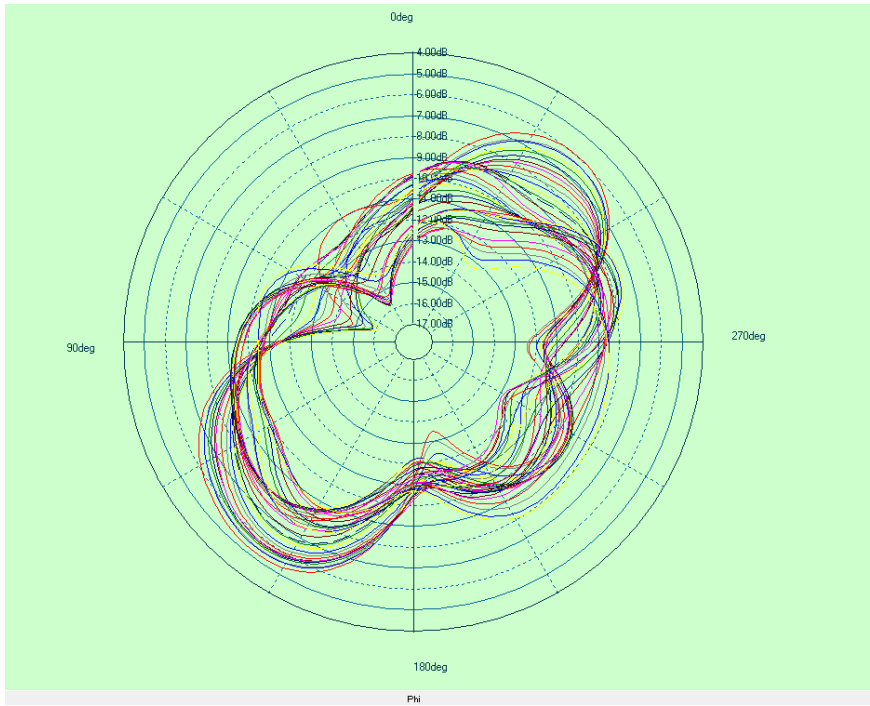


Vertical Plane 1

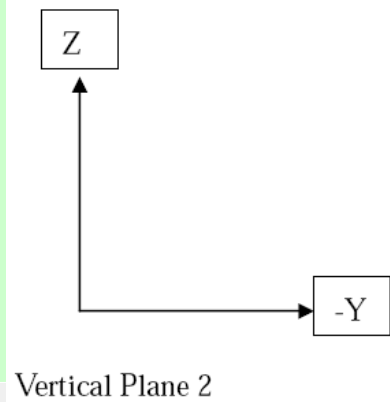
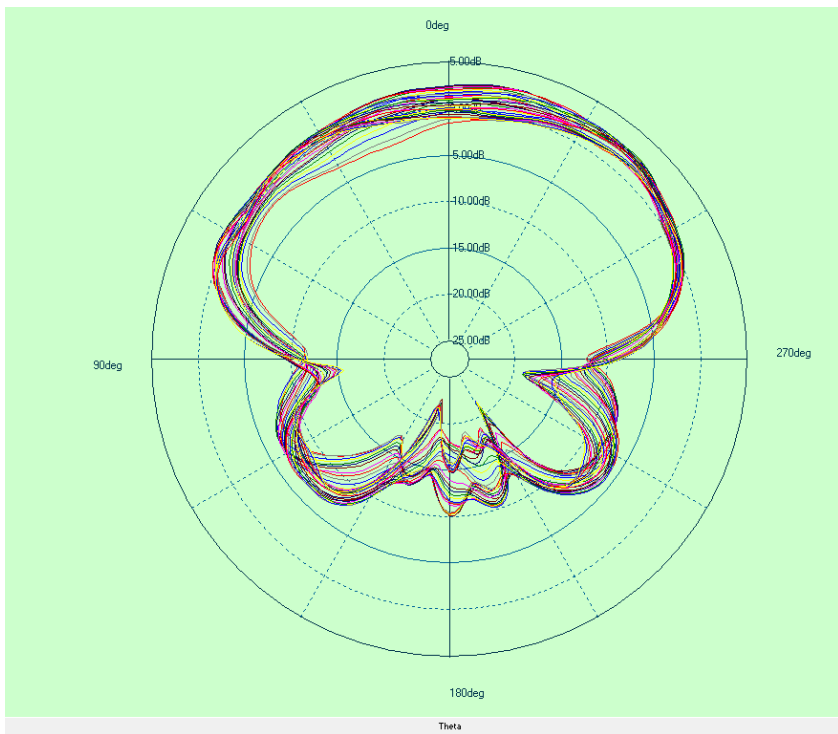
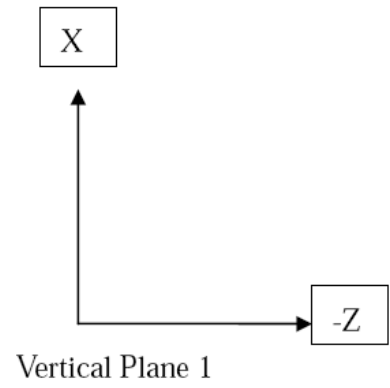
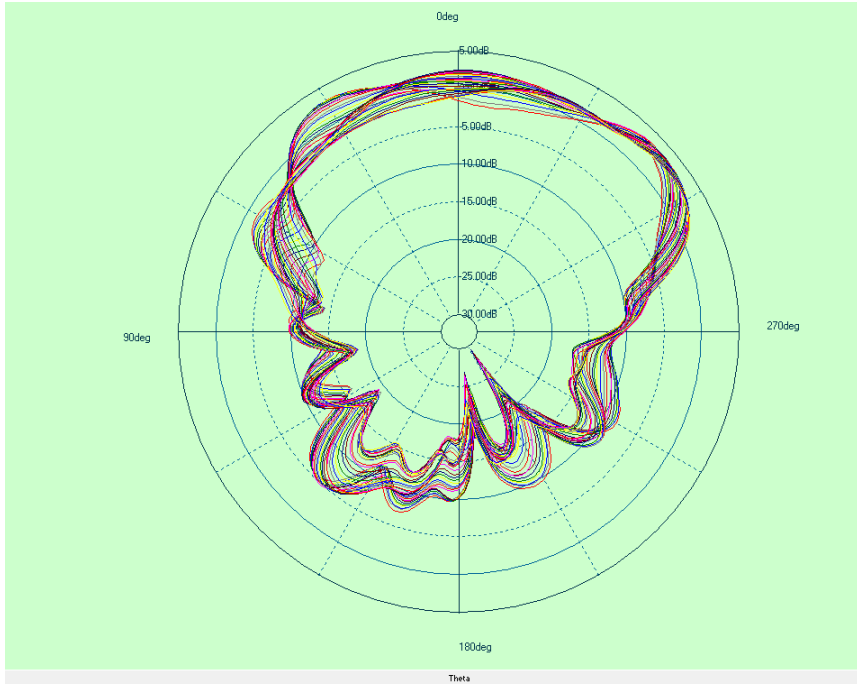


Vertical Plane 2

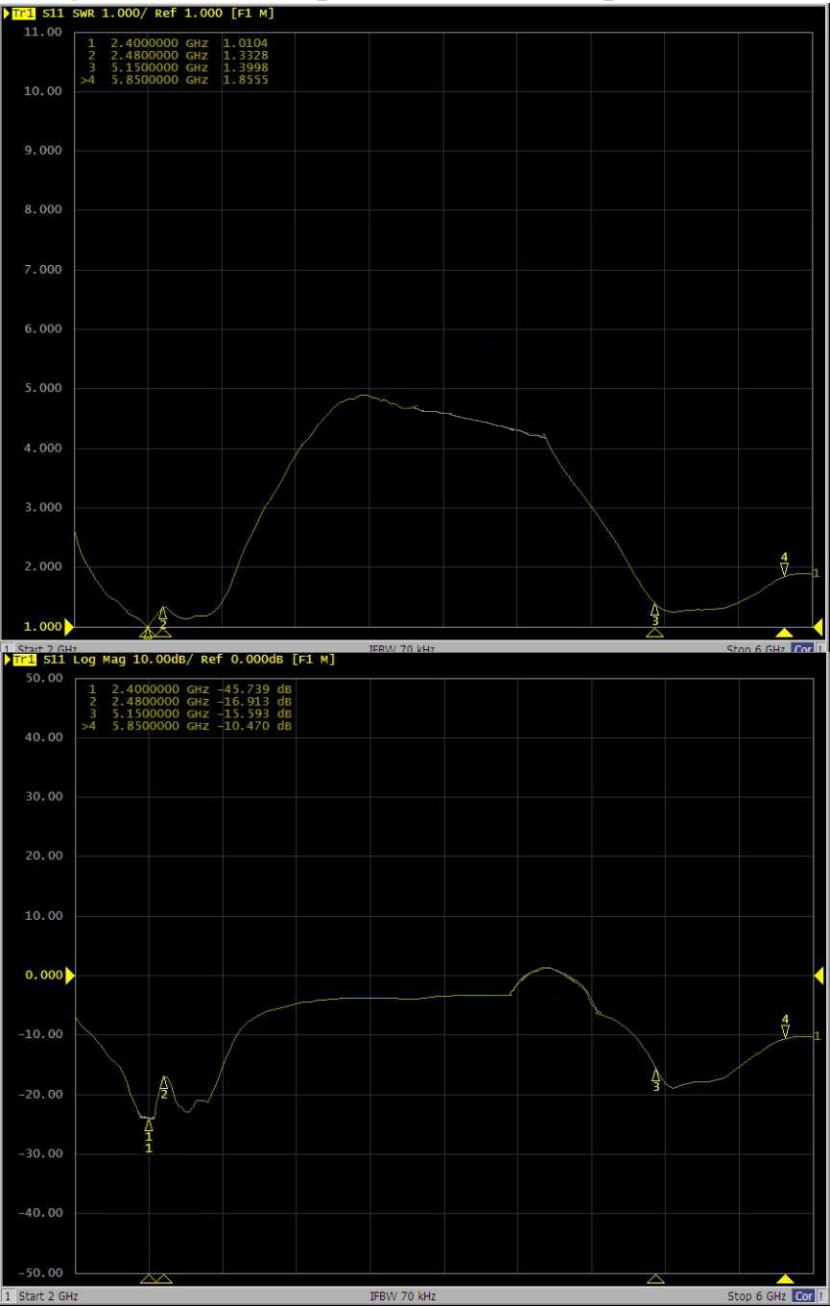
WIFI/5G



Horizontal Plane

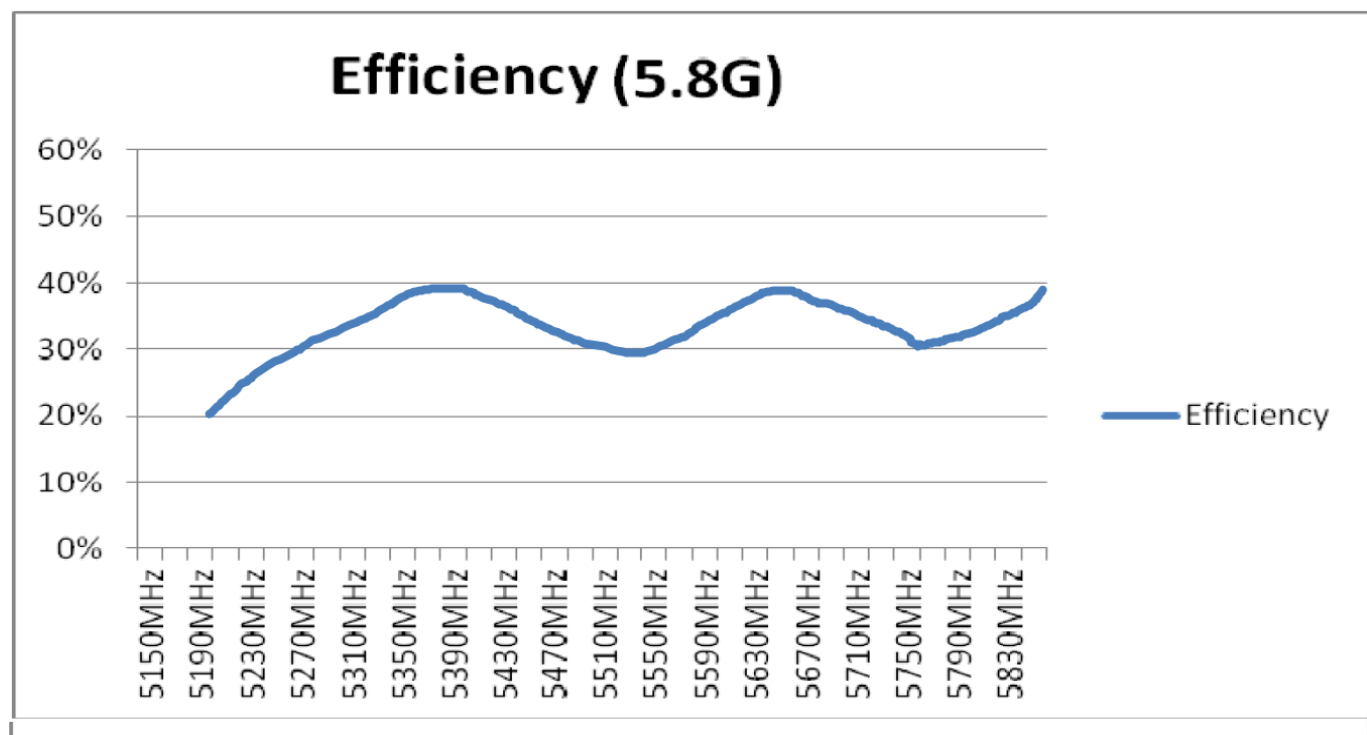
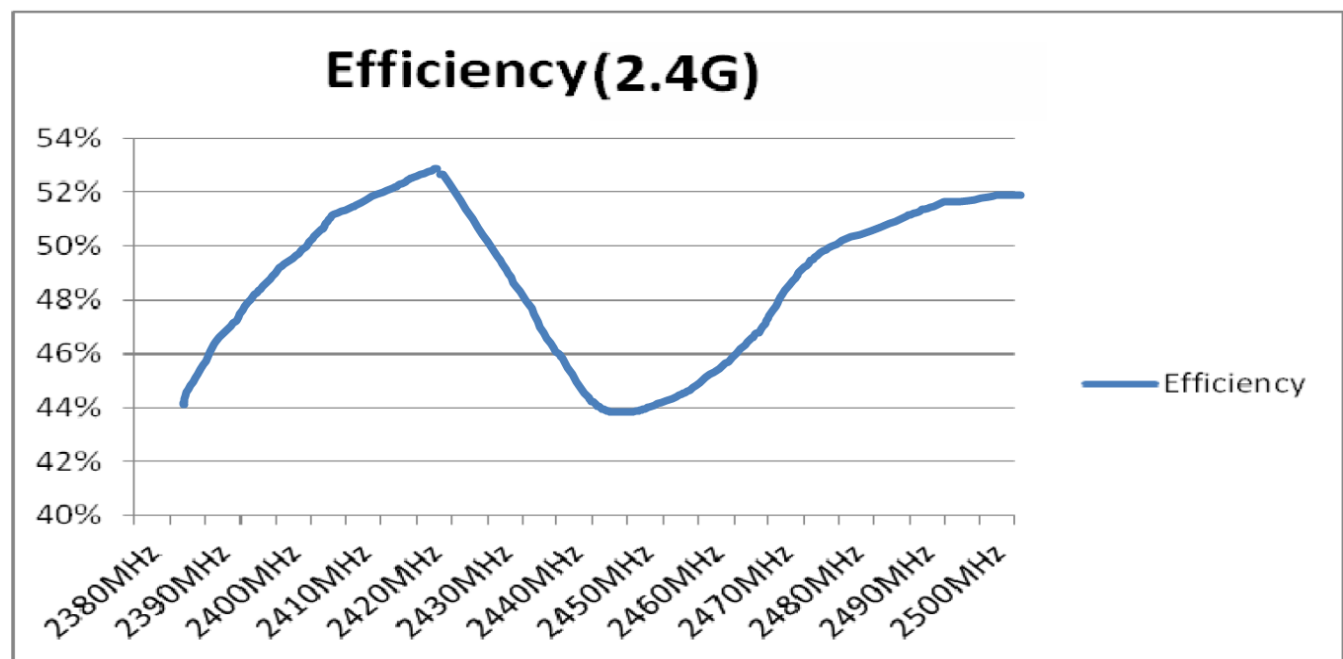


8.Right Antenna Impedance: S11 (parameter)

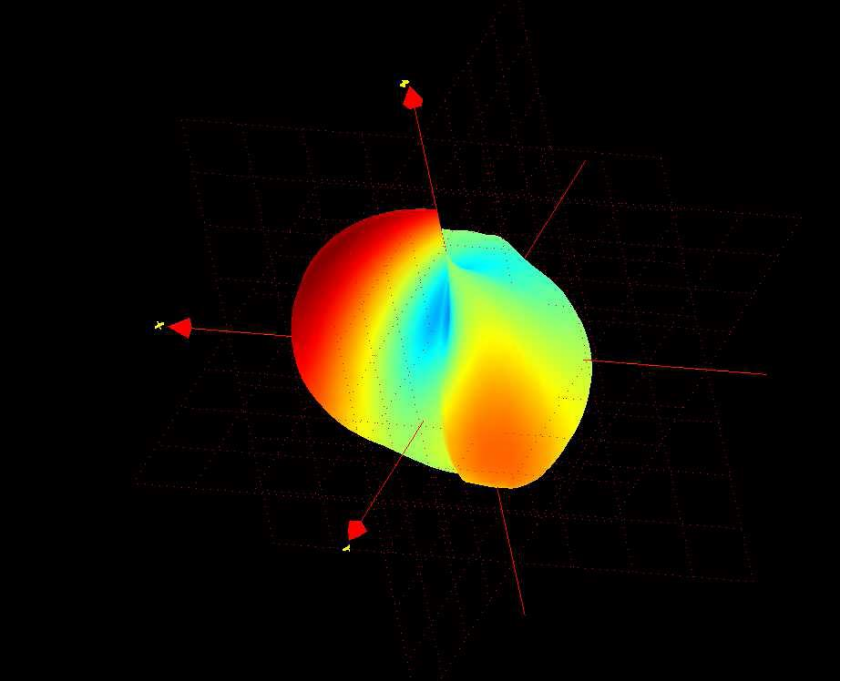


Antenna type	WIFI (2.4G&5.8G)				
Frequency(MHz)	2400	2480	5150	5550	5850
VSWR	1.02	1.38	1.35	1.58	1.55

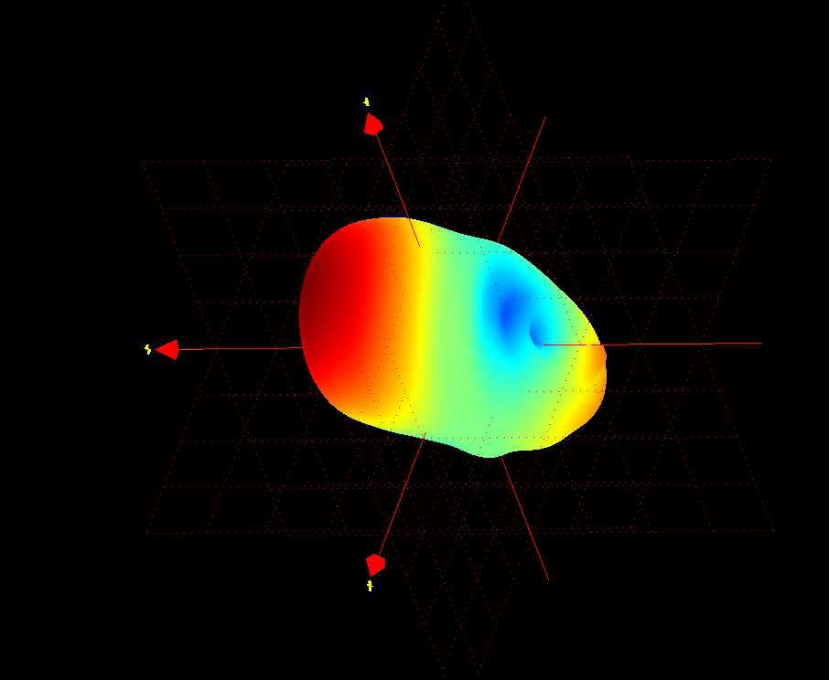
9. Right Total Efficiency-2.4G:



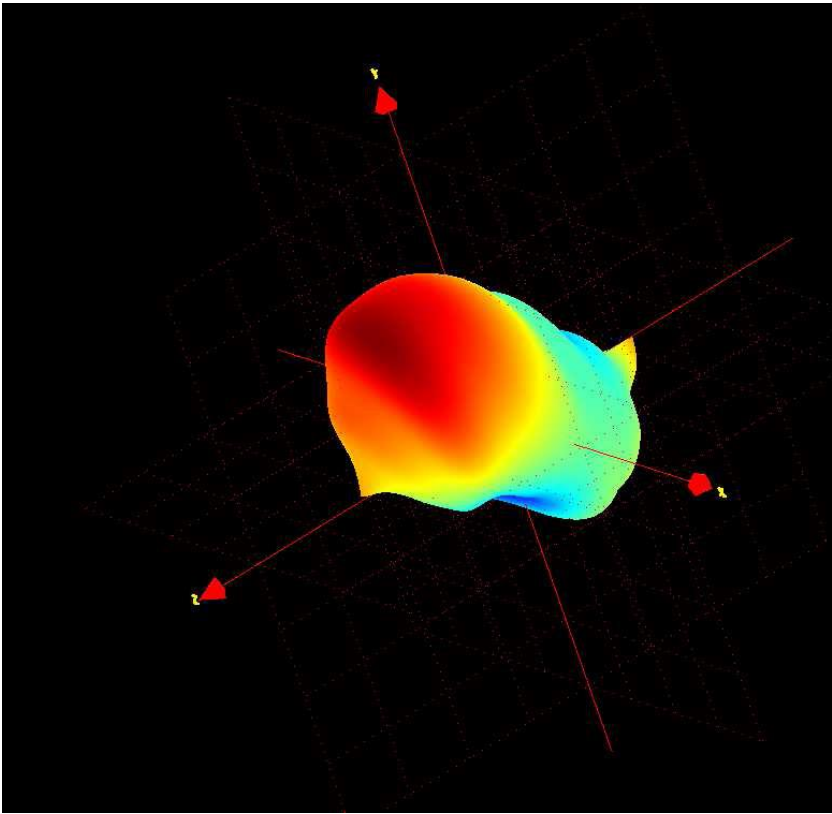
11. Right 3D Radiation characteristics of antenna
Frequency of 2400MHz



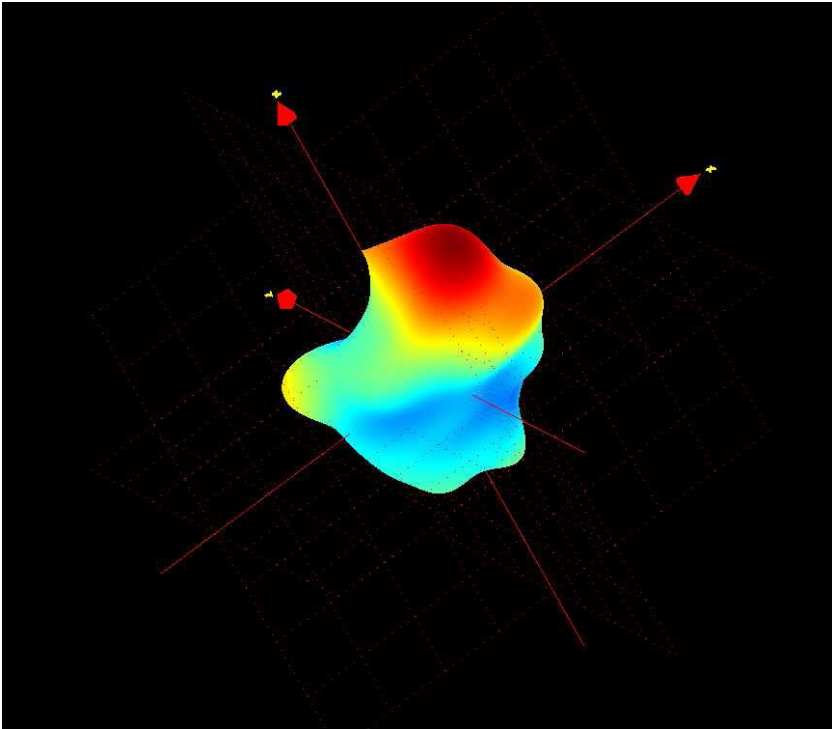
Frequency of 2440MHz



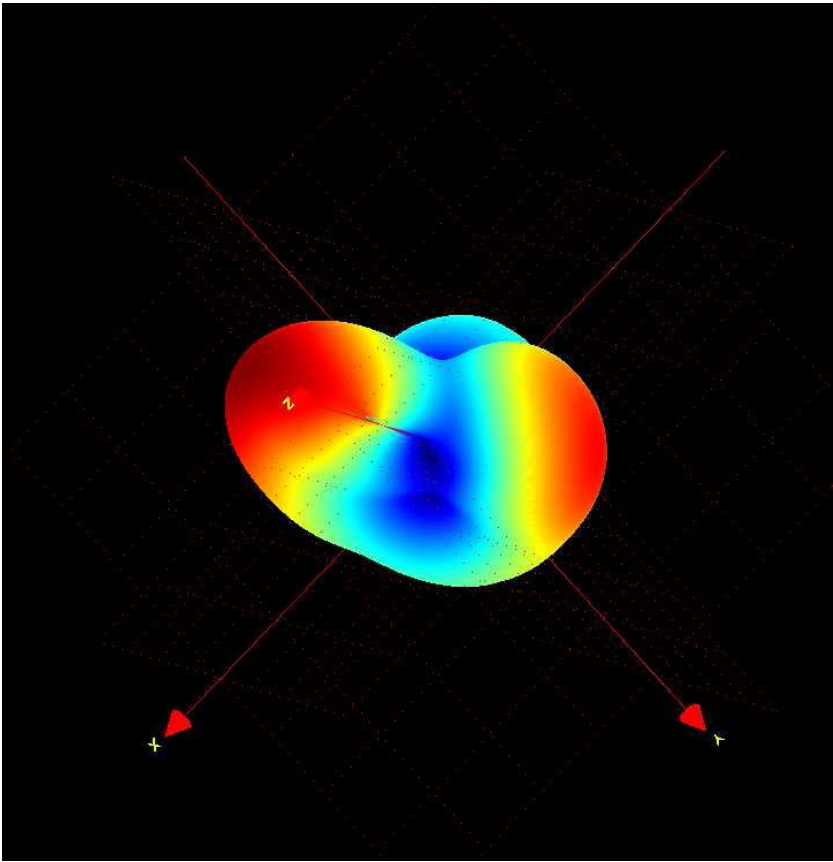
Frequency of 2480MHz



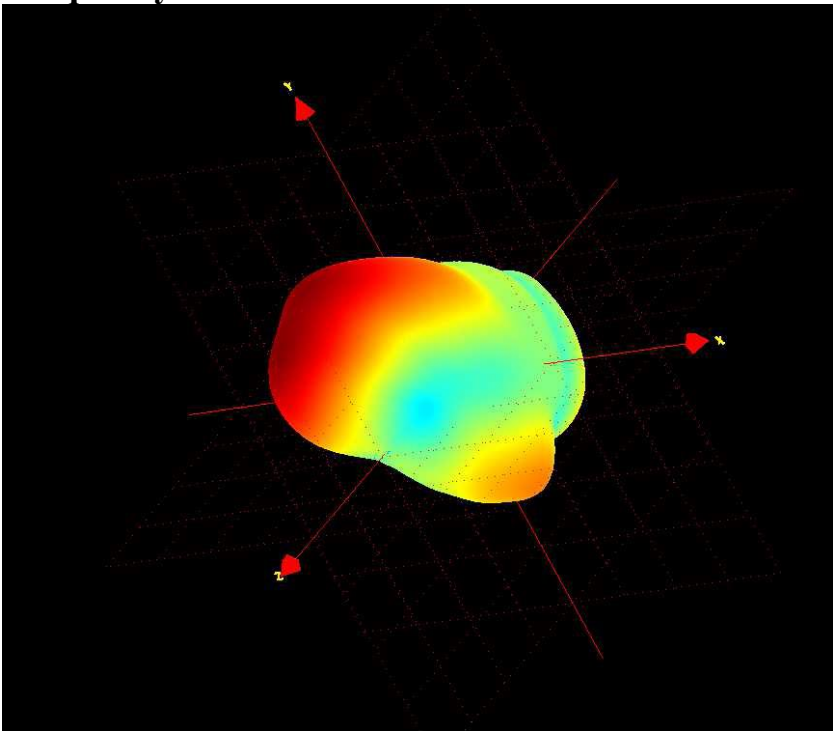
Frequency of 5150MHz



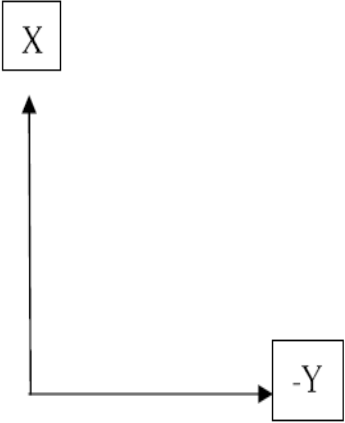
Frequency of 5550MHz



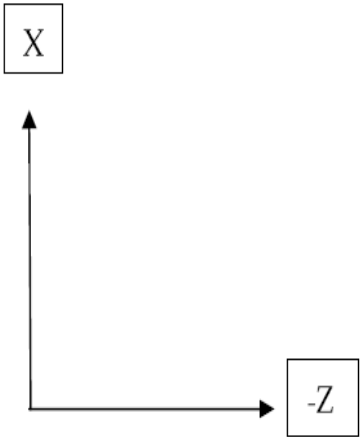
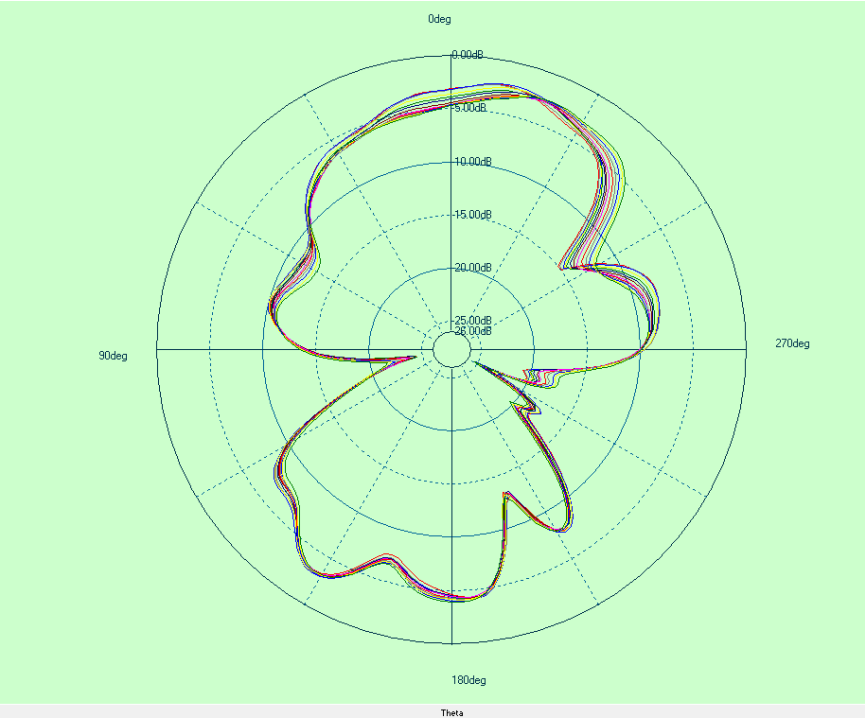
Frequency of 5850MHz



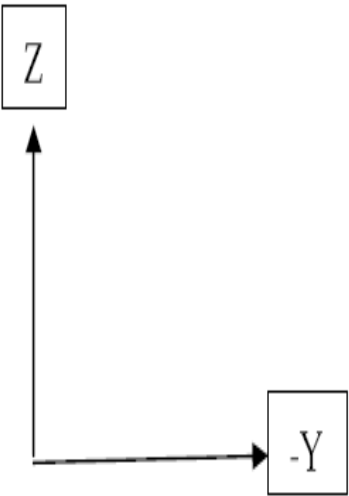
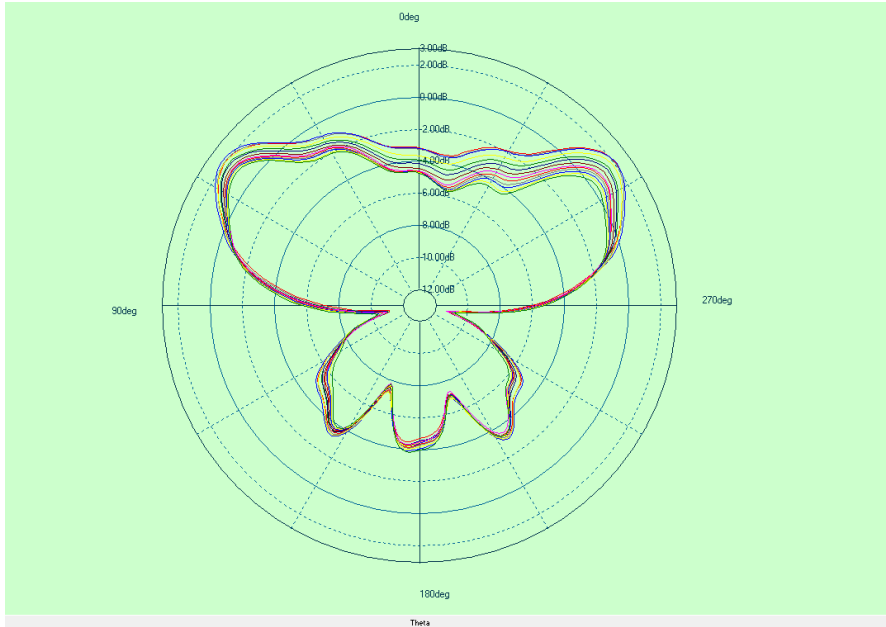
12. Right 2D Radiation characteristics of antenna
WIFI/2.4G



Horizontal Plane

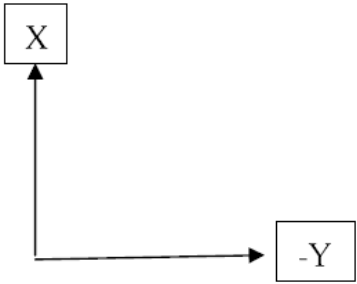
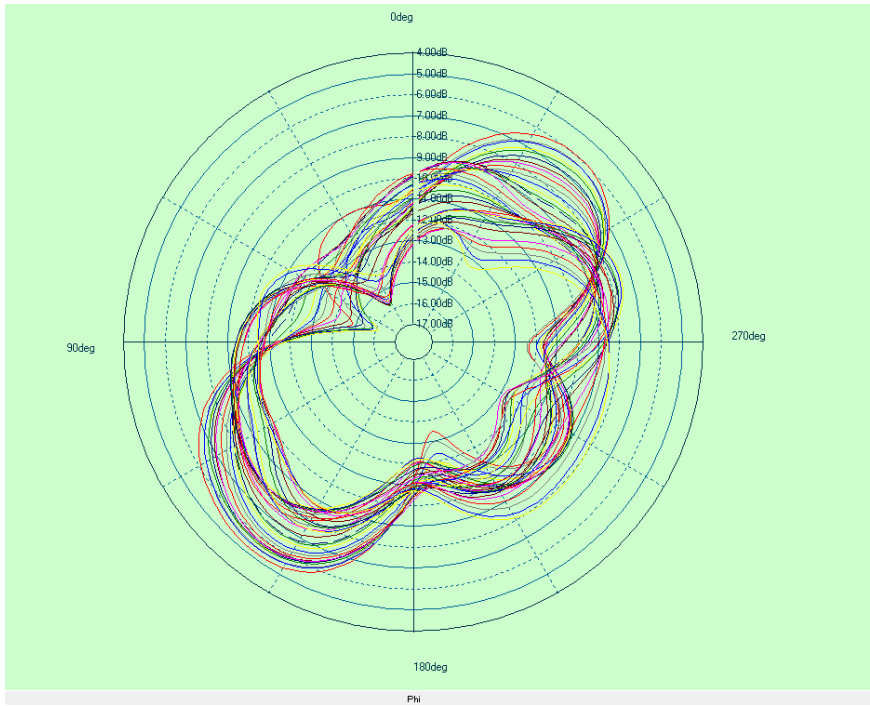


Vertical Plane 1

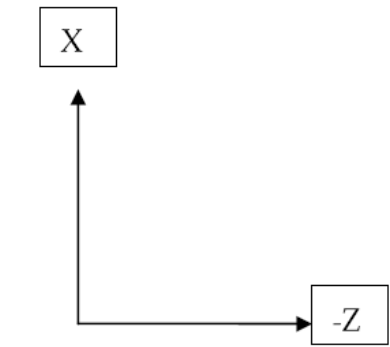
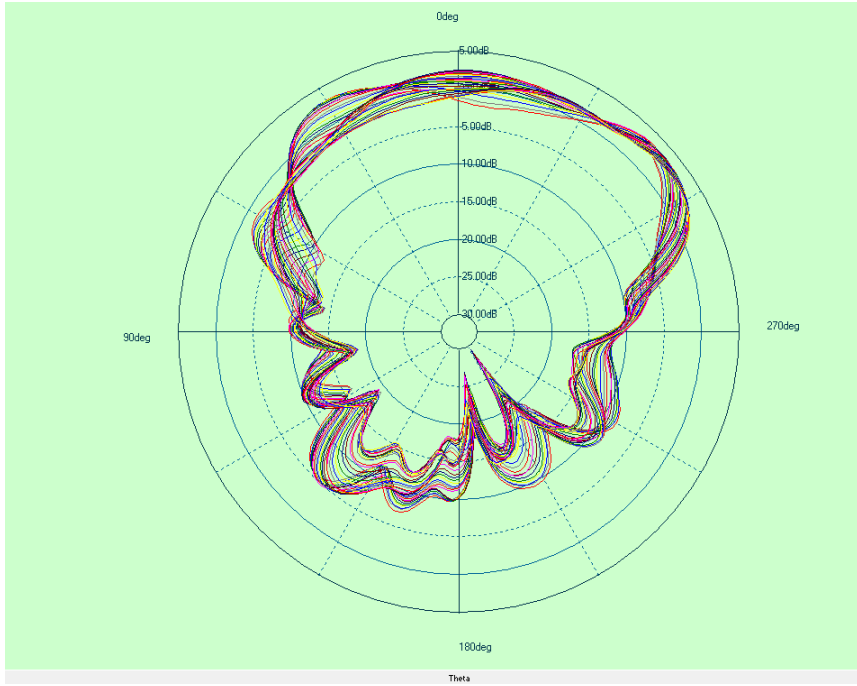


Vertical Plane 2

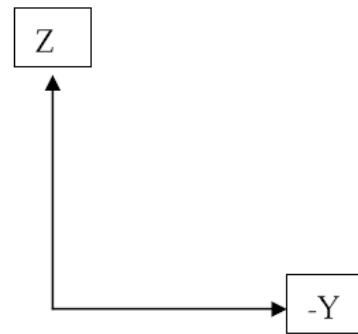
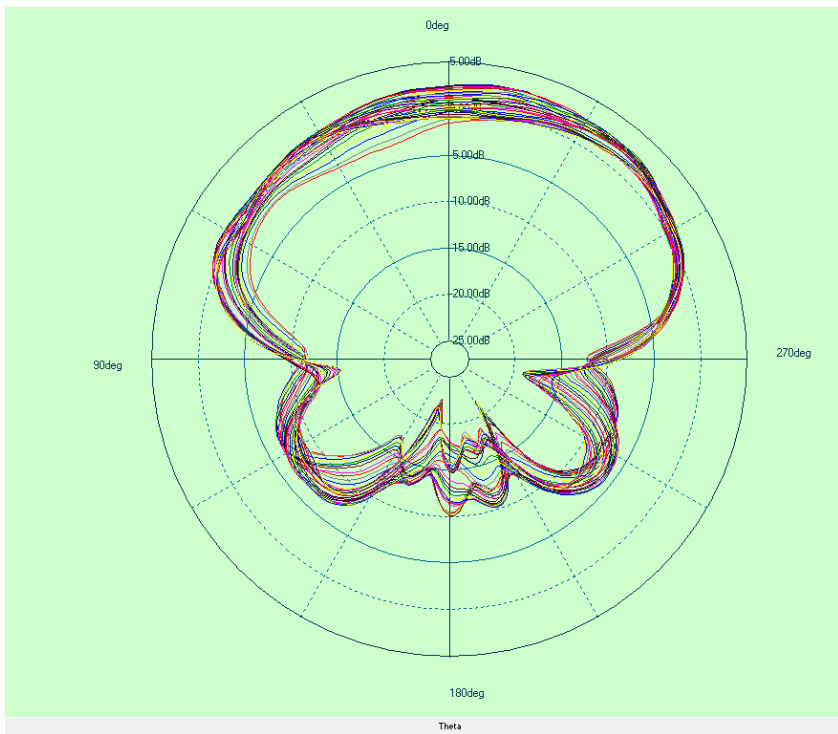
WIFI/5G



Horizontal Plane



Vertical Plane 1



Vertical Plane 2

Actual Antenna Photo

