

# EAP112

# Antenna Test Report

Report by: Kent  
Report date: 2024.05.16  
Report revision: V2



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- Revised History
- Antenna Summary
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# Revised History

REV.	Date	Revised Record	Prepared by
v2	05/16/2024	Antenna report	Kent

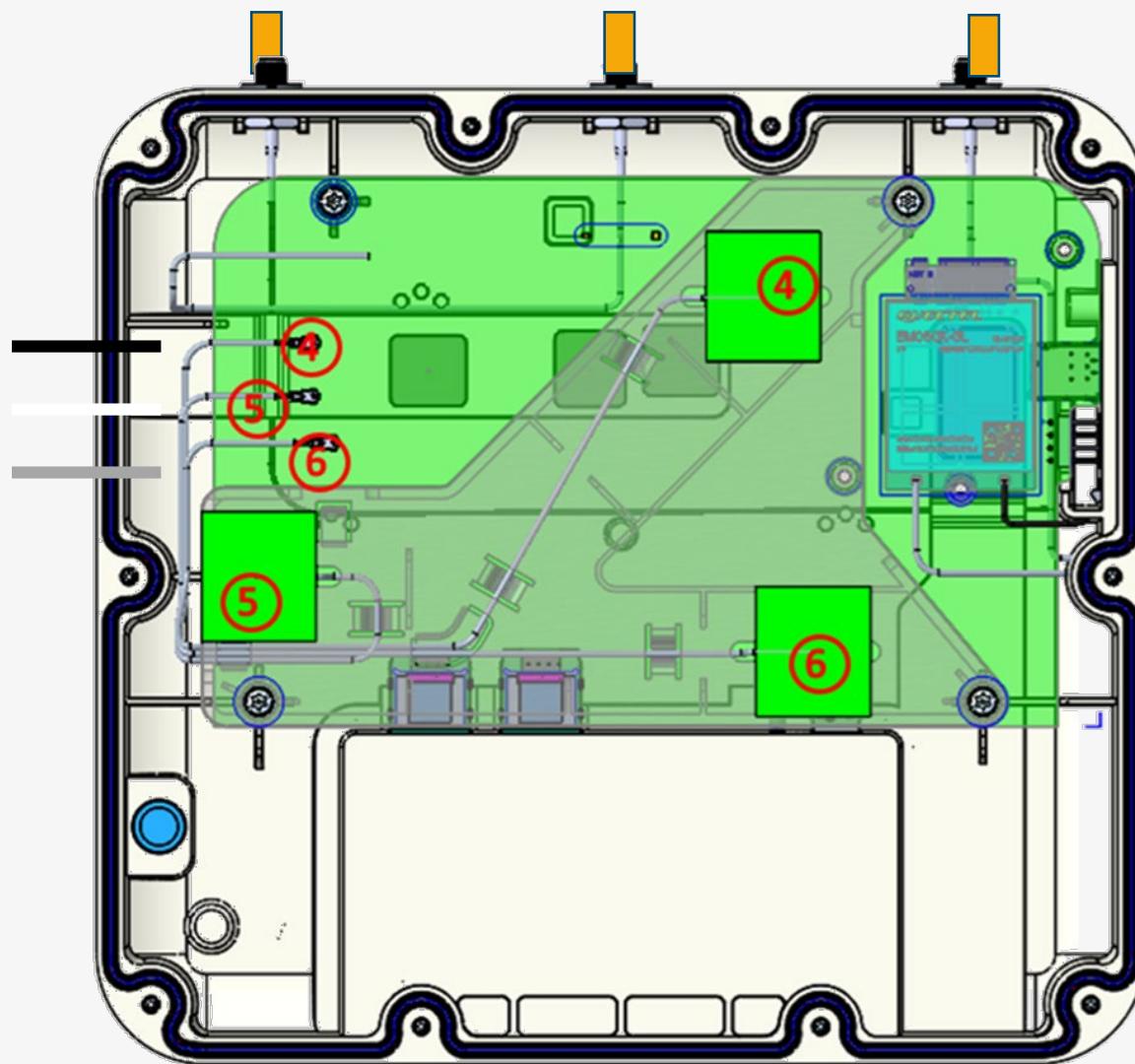


# Antenna Summary

	Measured Result		
Antenna Passband	Dual Band ANT - 1	Dual Band ANT - 2	Dual Band ANT - 3
Frequency Range	2400-2484 / 5150-5925 MHz	2400-2484 / 5150-5925 MHz	2400-2484 / 5150-5925 MHz
Return Loss	<-10	<-10	<-10
Peak Gain ( dBi )	@2.4G :4.90 @5G :5.53	@2.4G :4.81 @5G :5.53	@2.4G :5.21 @5G >5.82
Isolation	WIFI to WIFI at 2.4G < -21dB , 5G < -28dB		



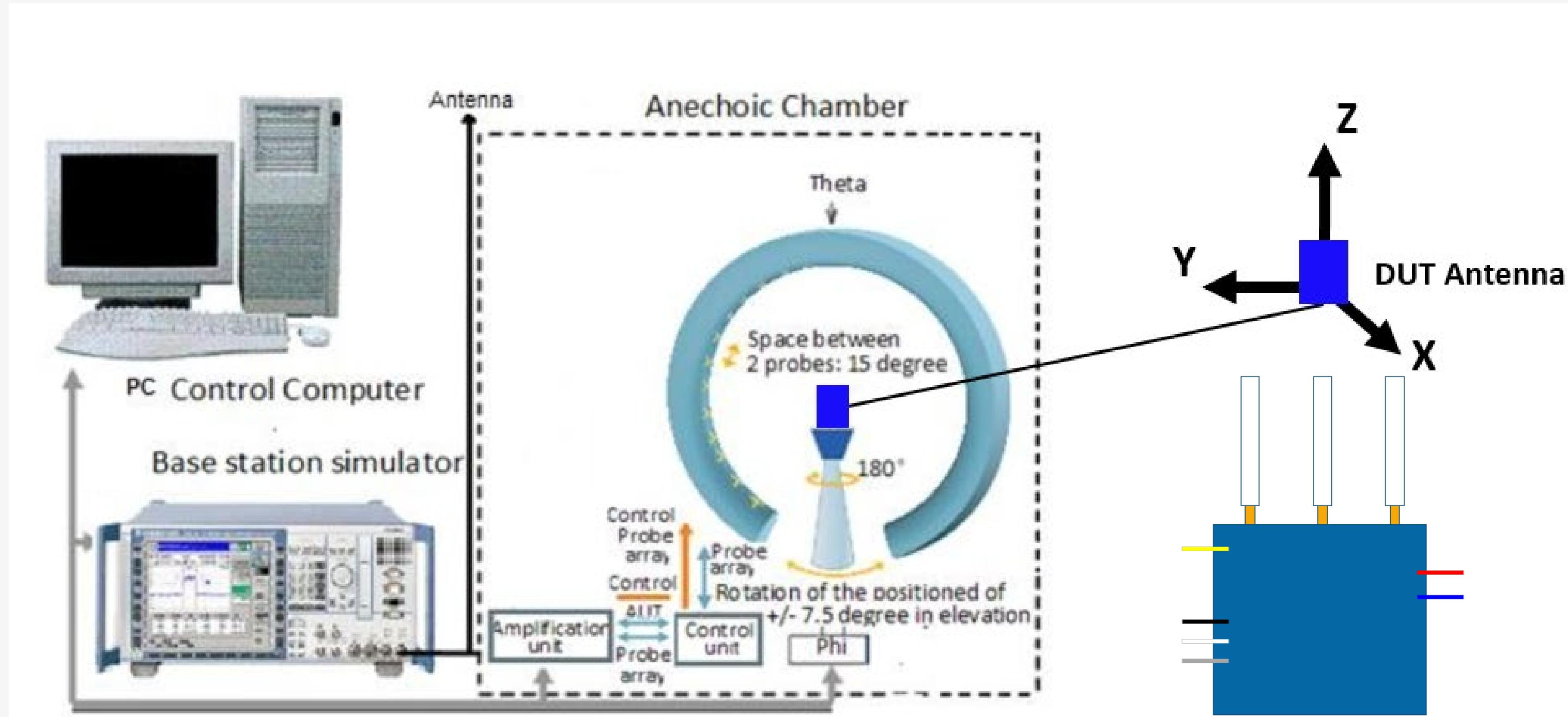
# Antenna Placement & Description



Antenna Description					
Item	Antenna Type	Material	Type	Dimension (mm)	Model
4	WiFi Dual Band 1	PCB+Plastic	Dipole	26x23x0.6mm	KG716-001
5	WiFi Dual Band 2			26x23x0.6mm	
6	WiFi Dual Band 3			26x23x0.6mm	



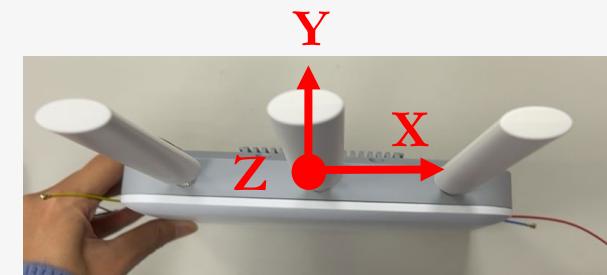
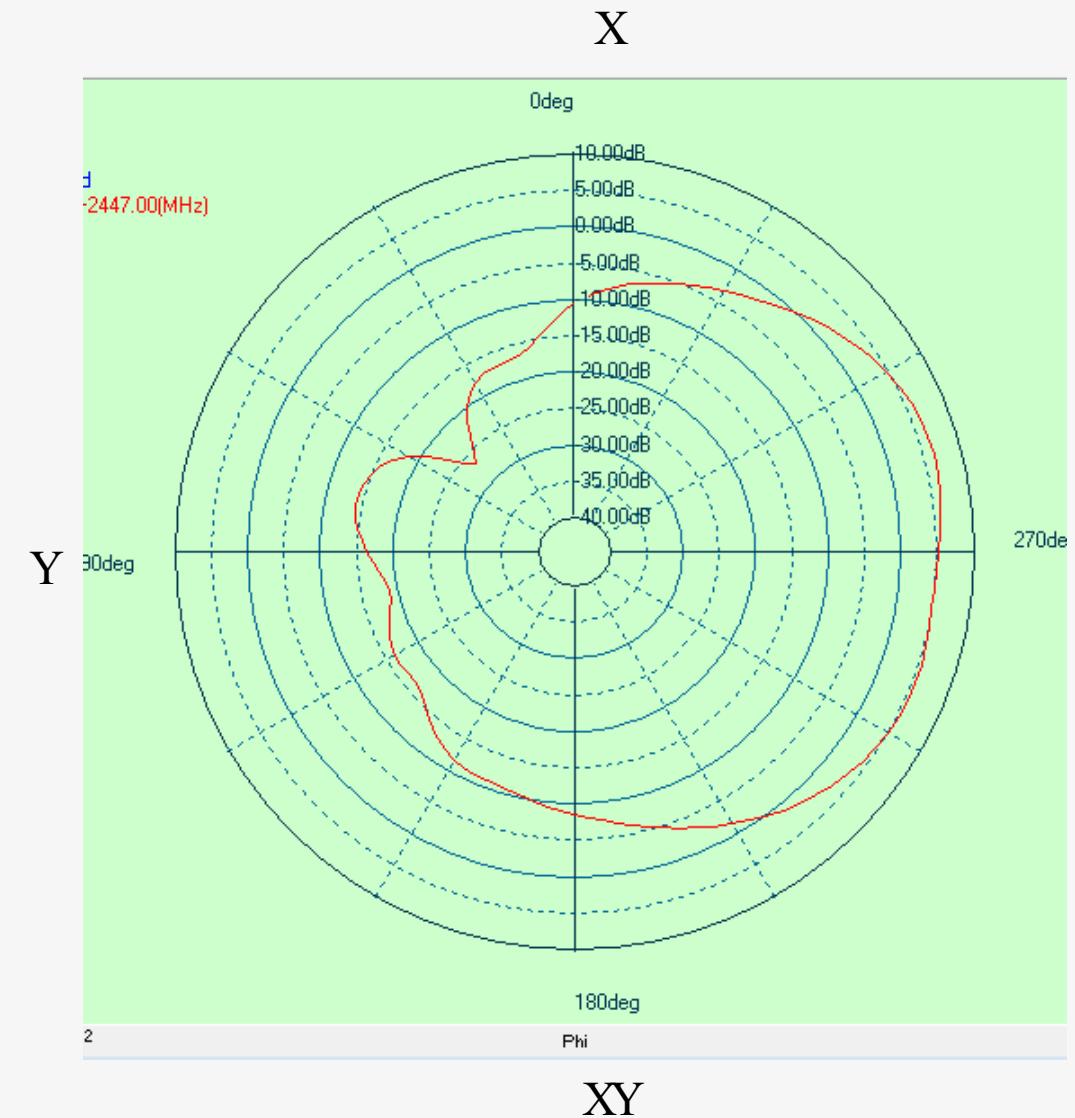
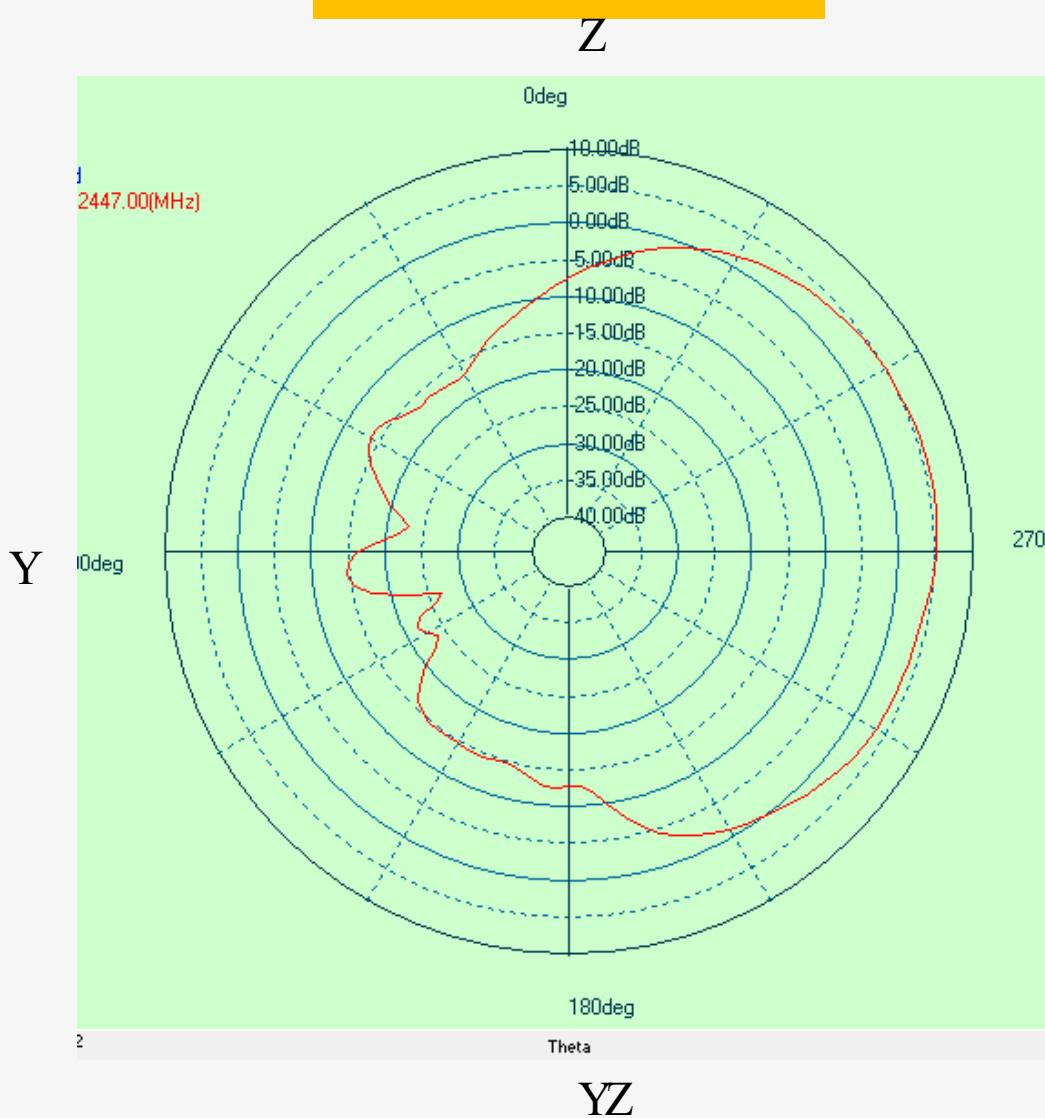
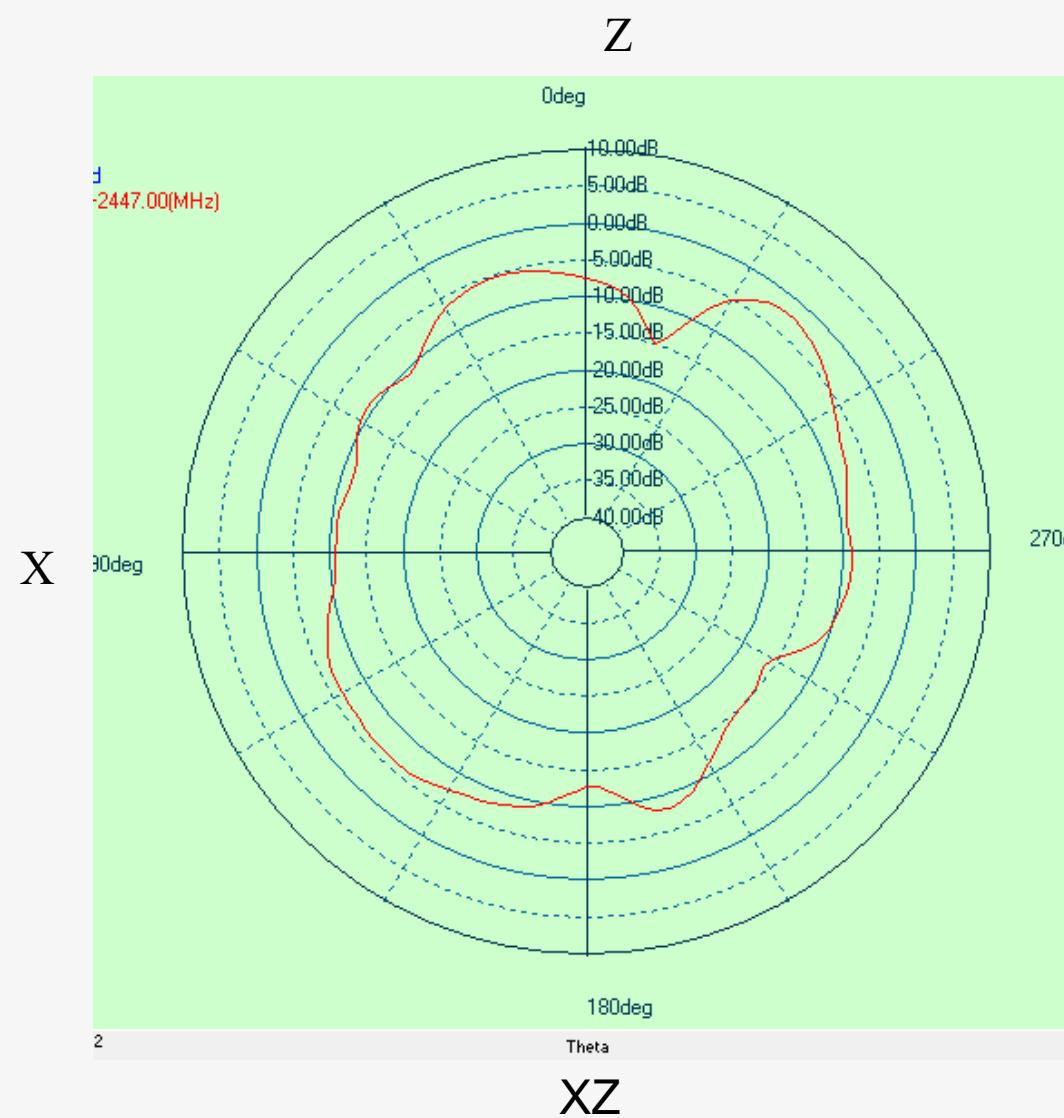
# Experimental Setup & Coordinate System



# 2D Radiation Patterns

WIFI - 4 Black Antenna

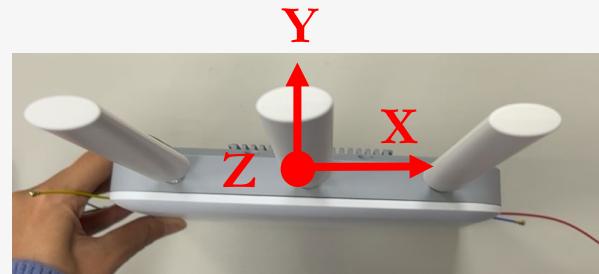
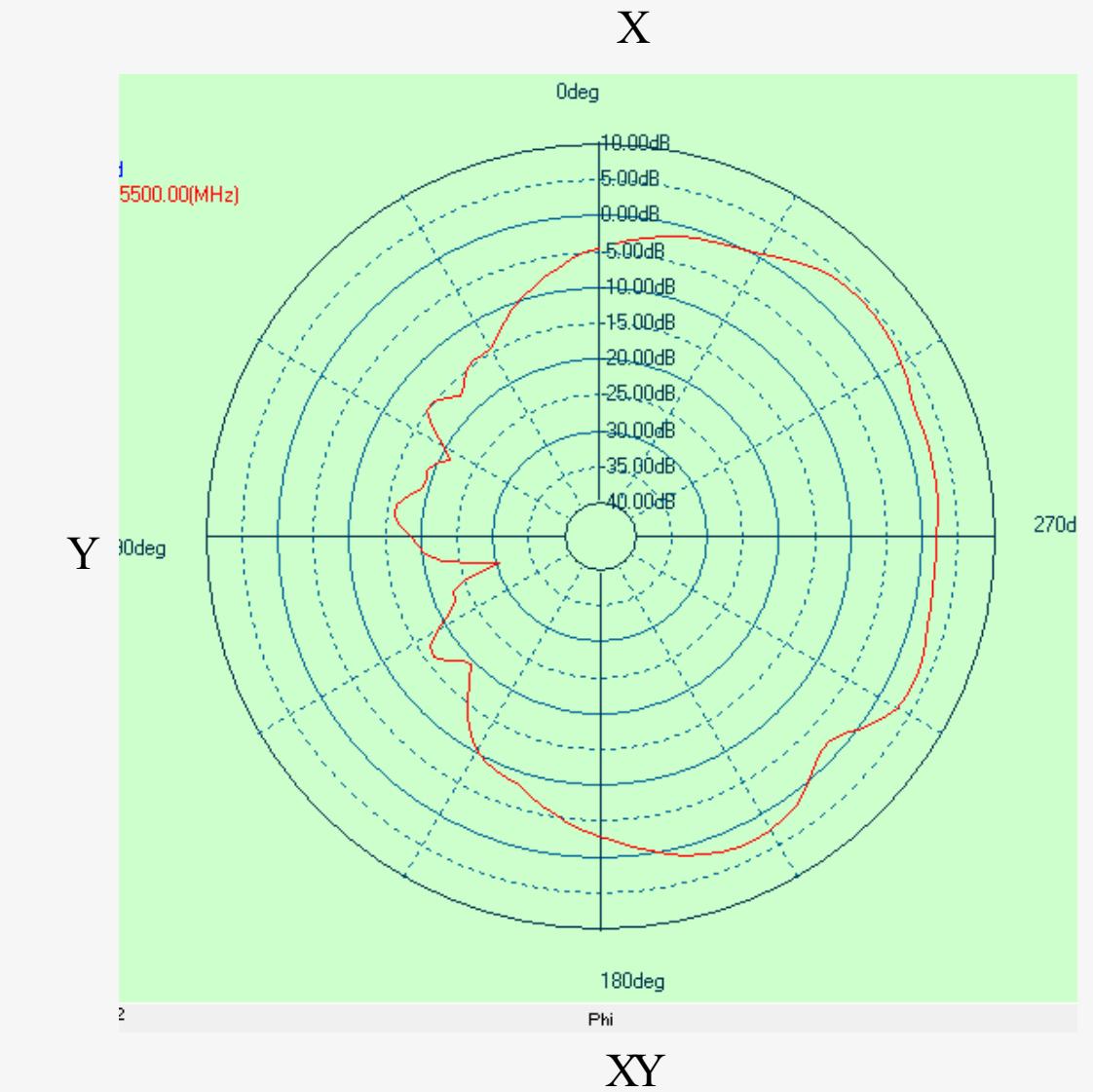
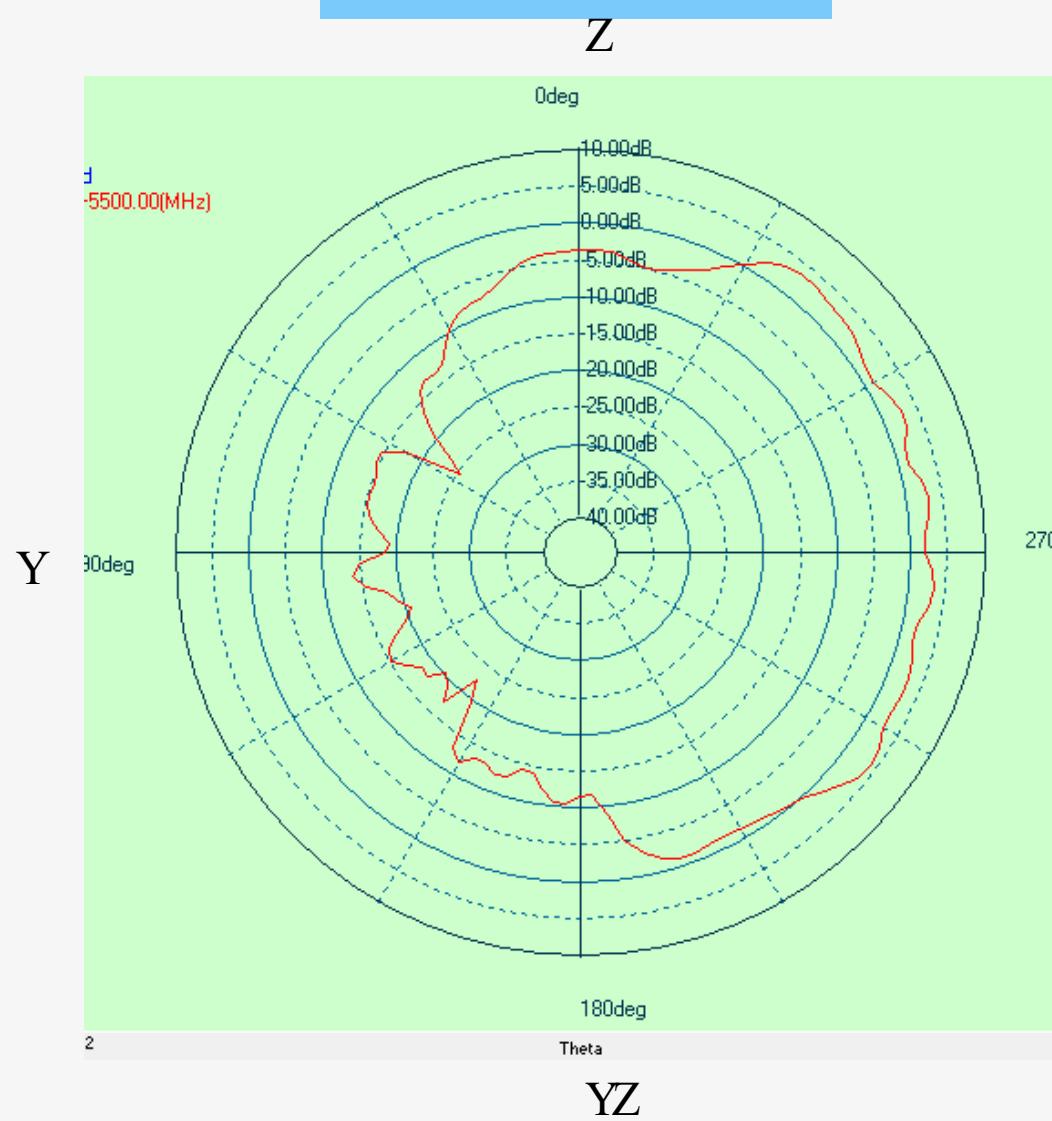
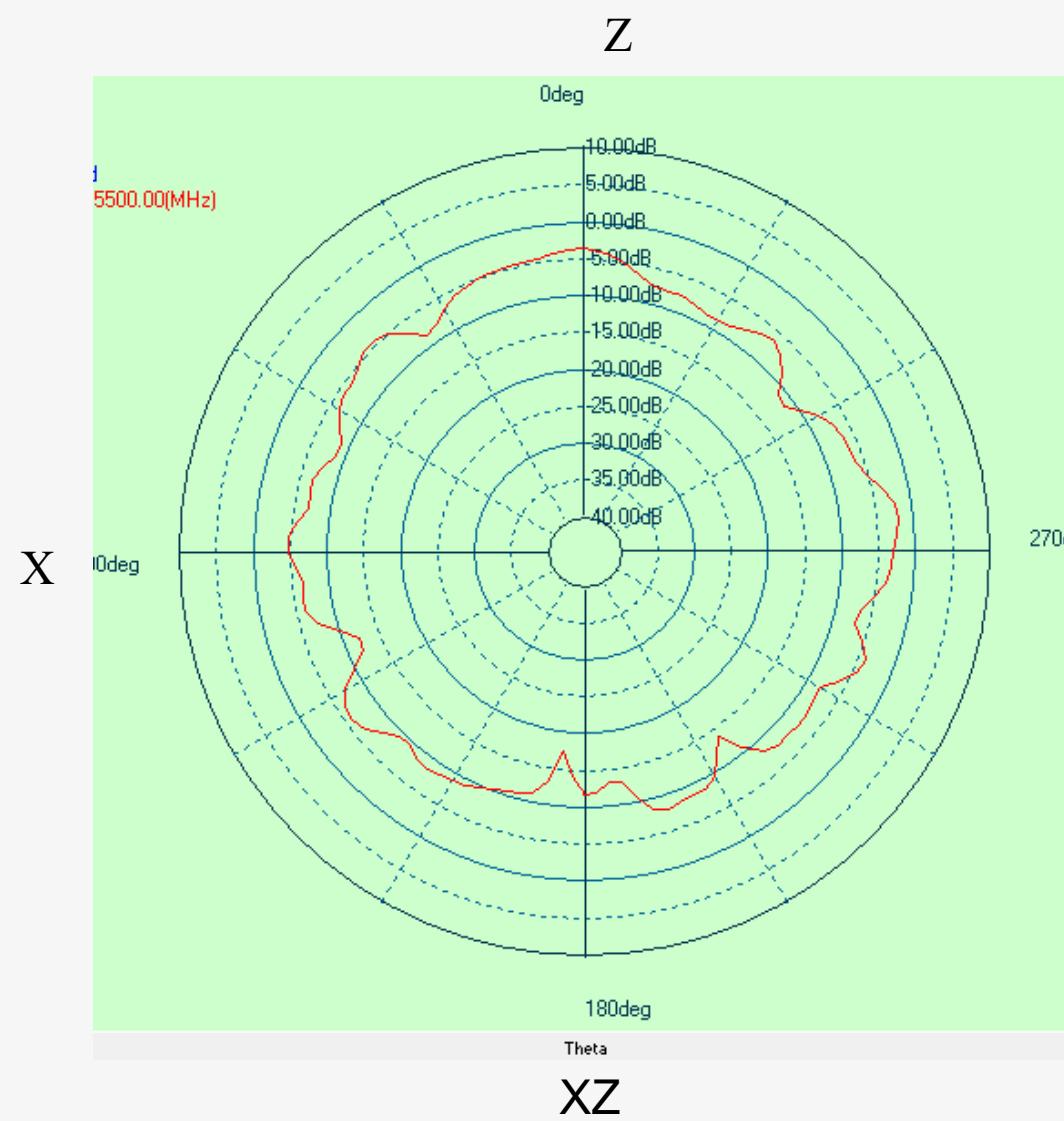
2447 MHz



# 2D Radiation Patterns

WIFI - 4 Black Antenna

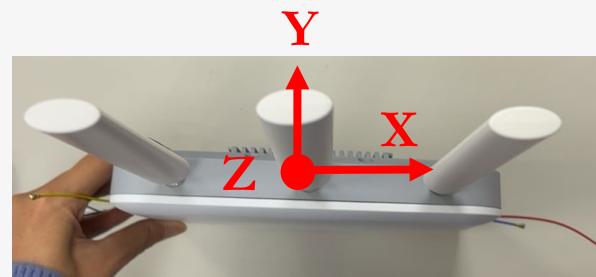
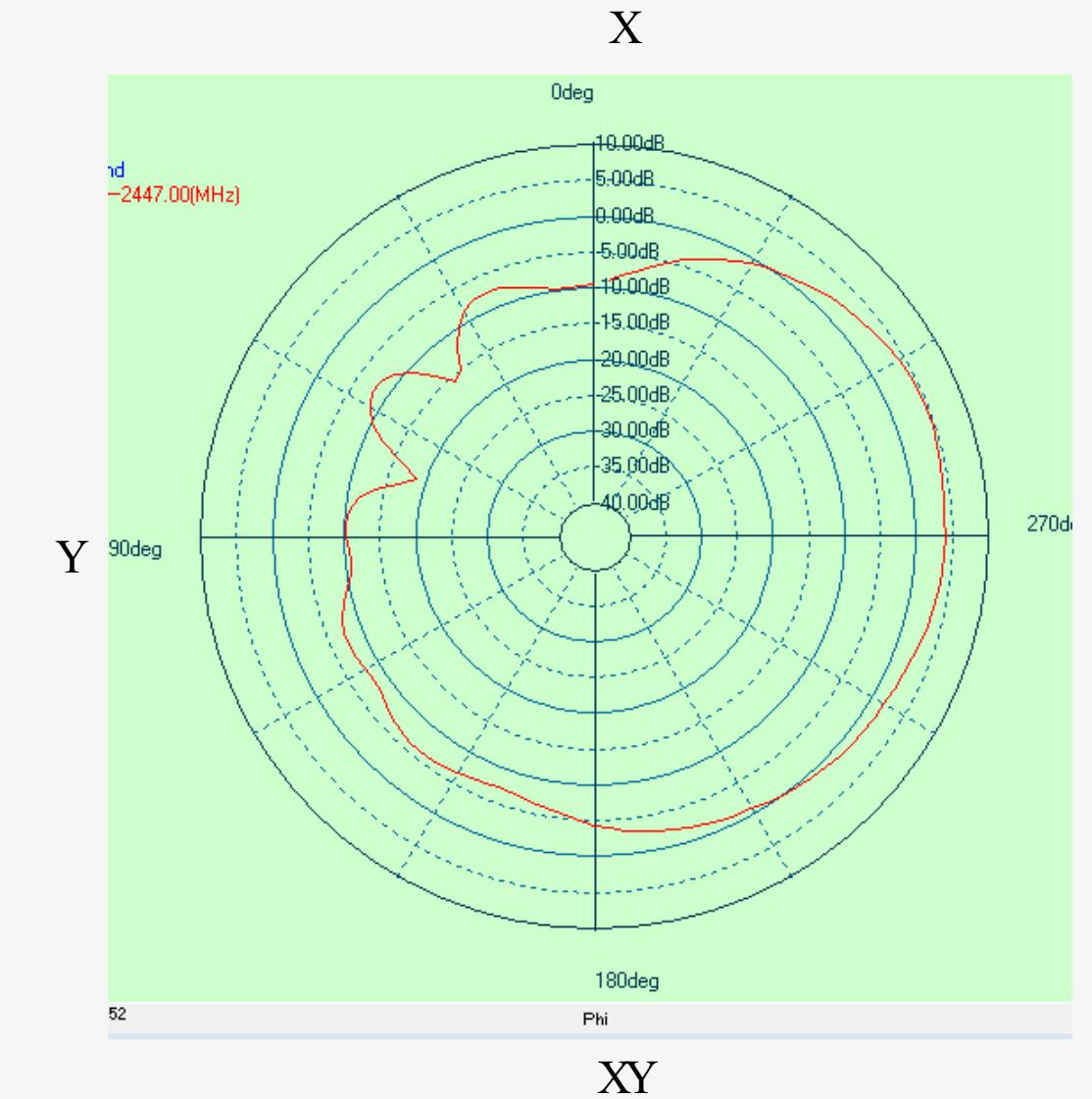
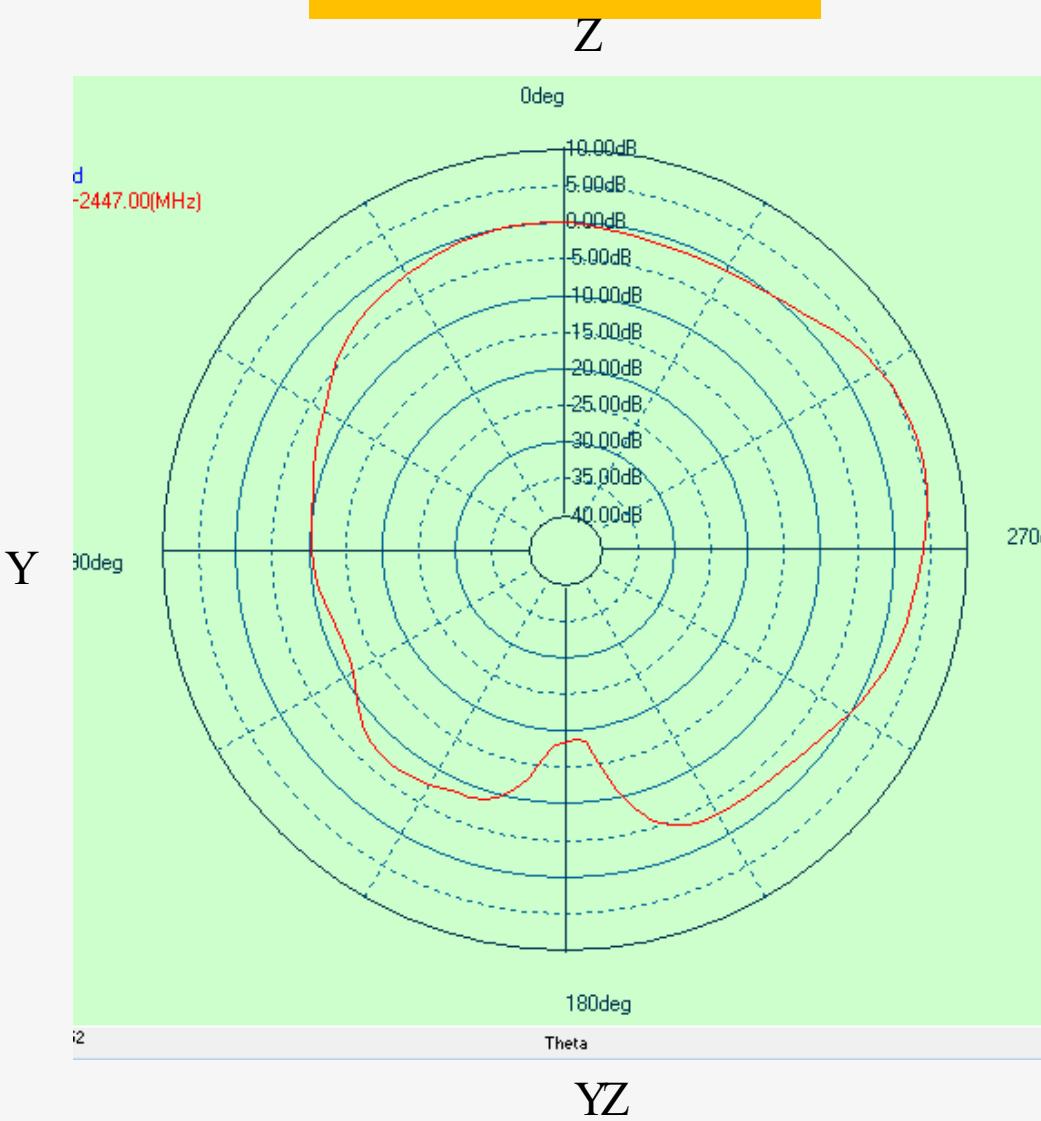
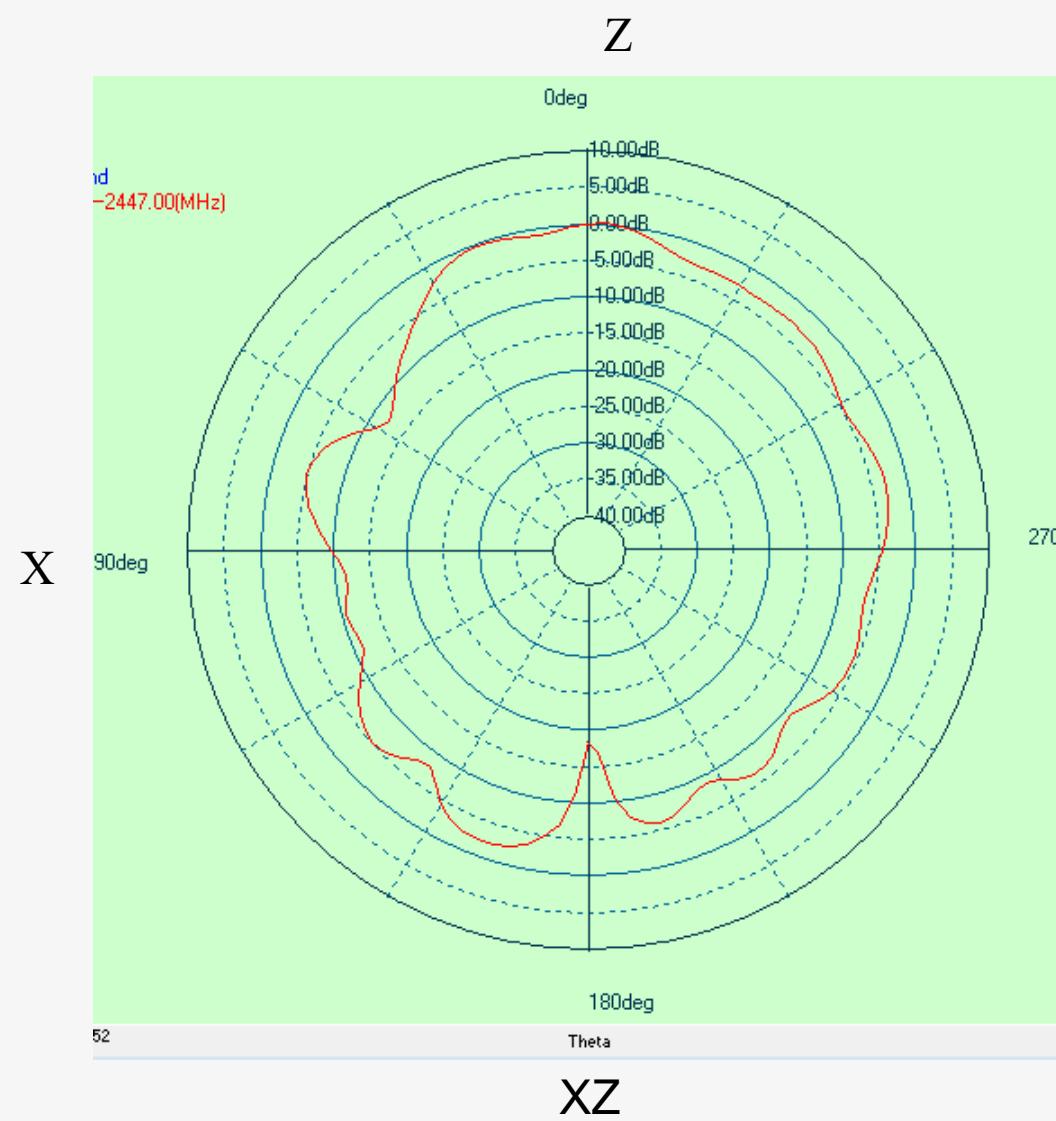
5500 MHz



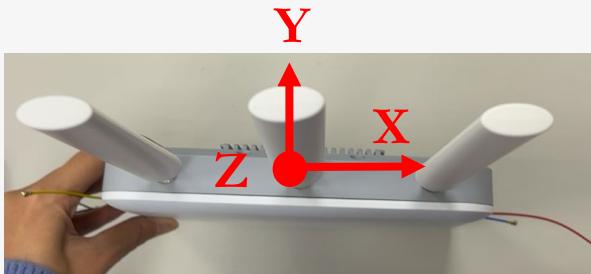
# 2D Radiation Patterns

WIFI - 5 White Antenna

2447 MHz

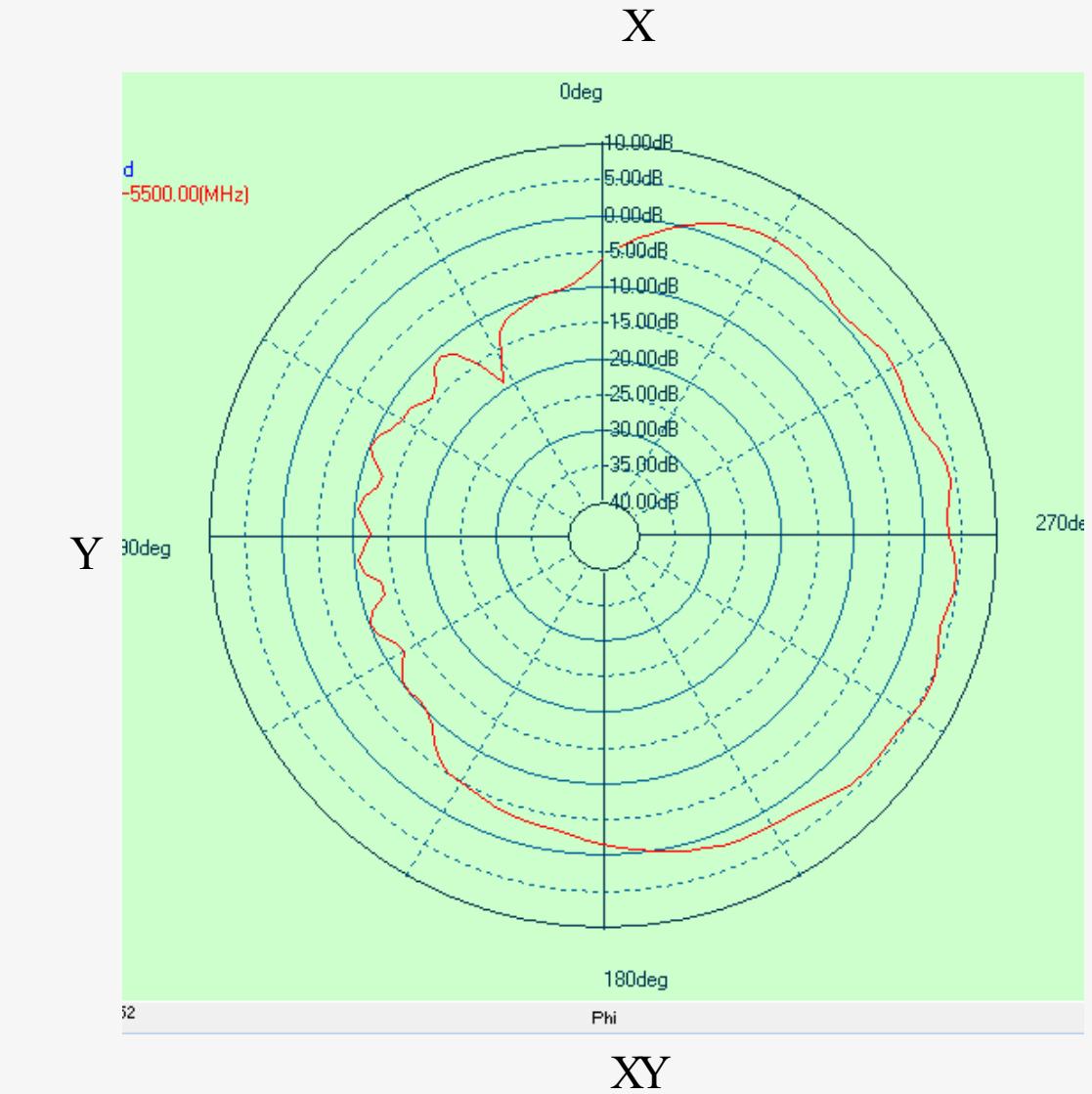
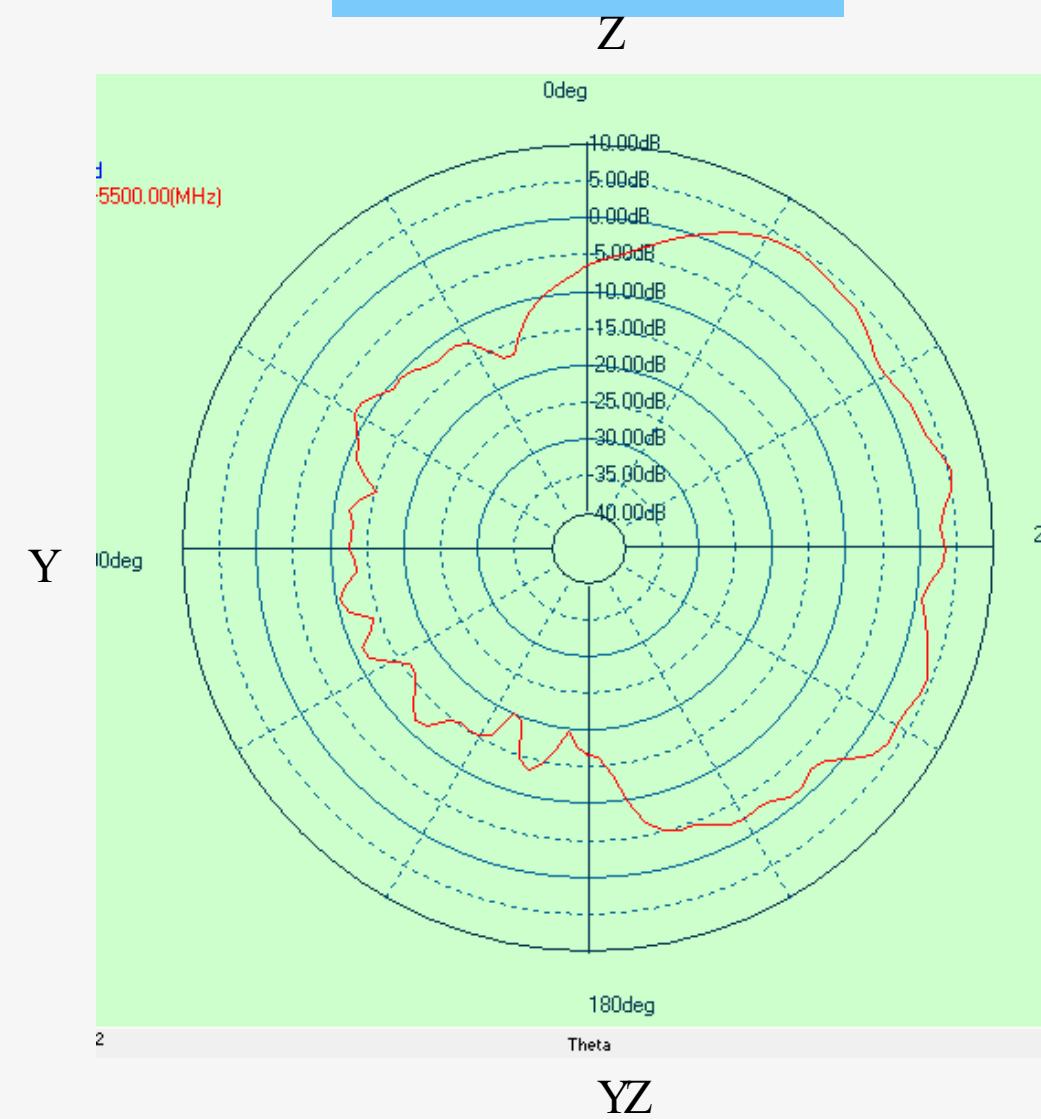
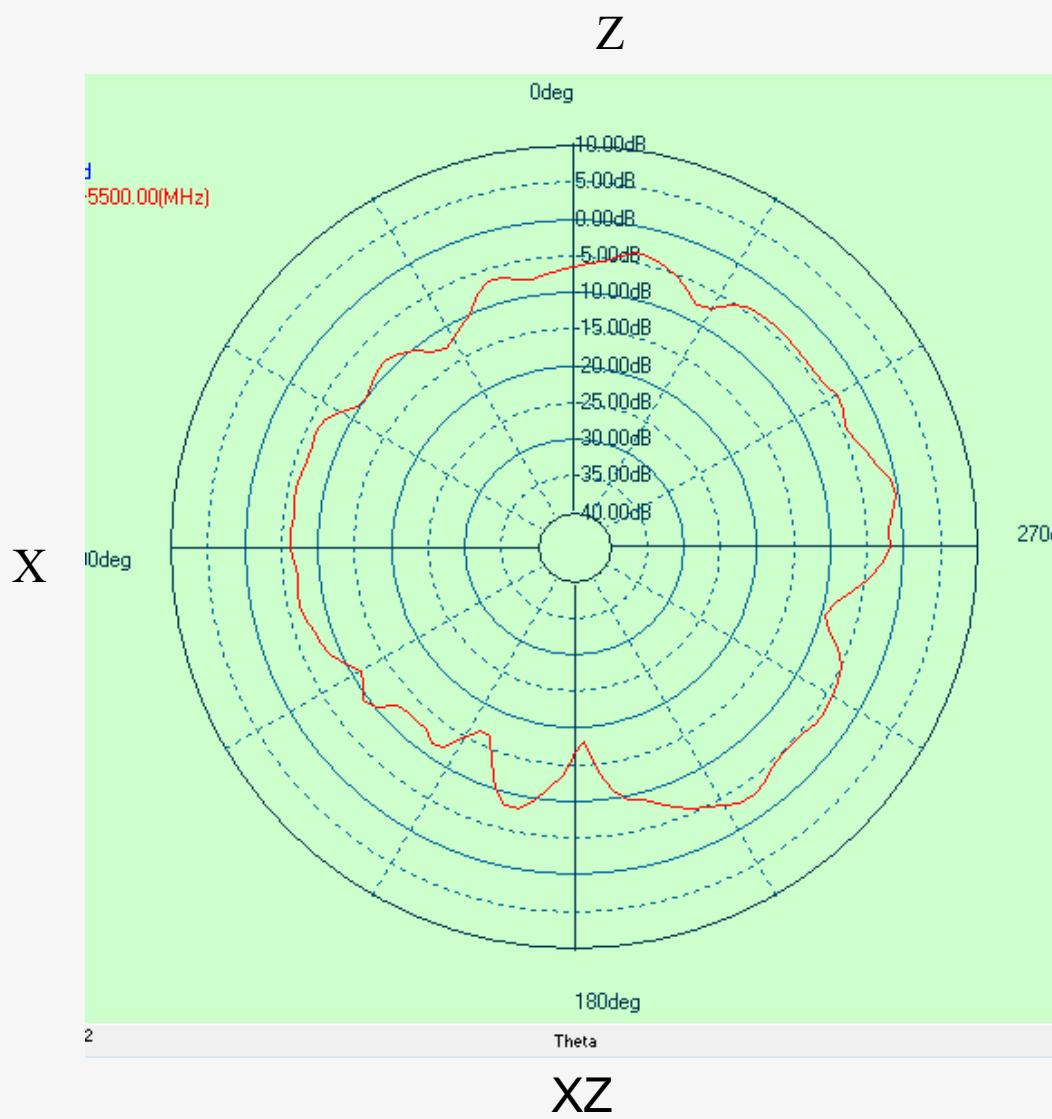


# 2D Radiation Patterns



# **WIFI - 5 White Antenna**

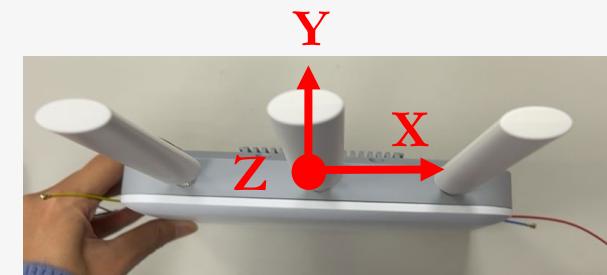
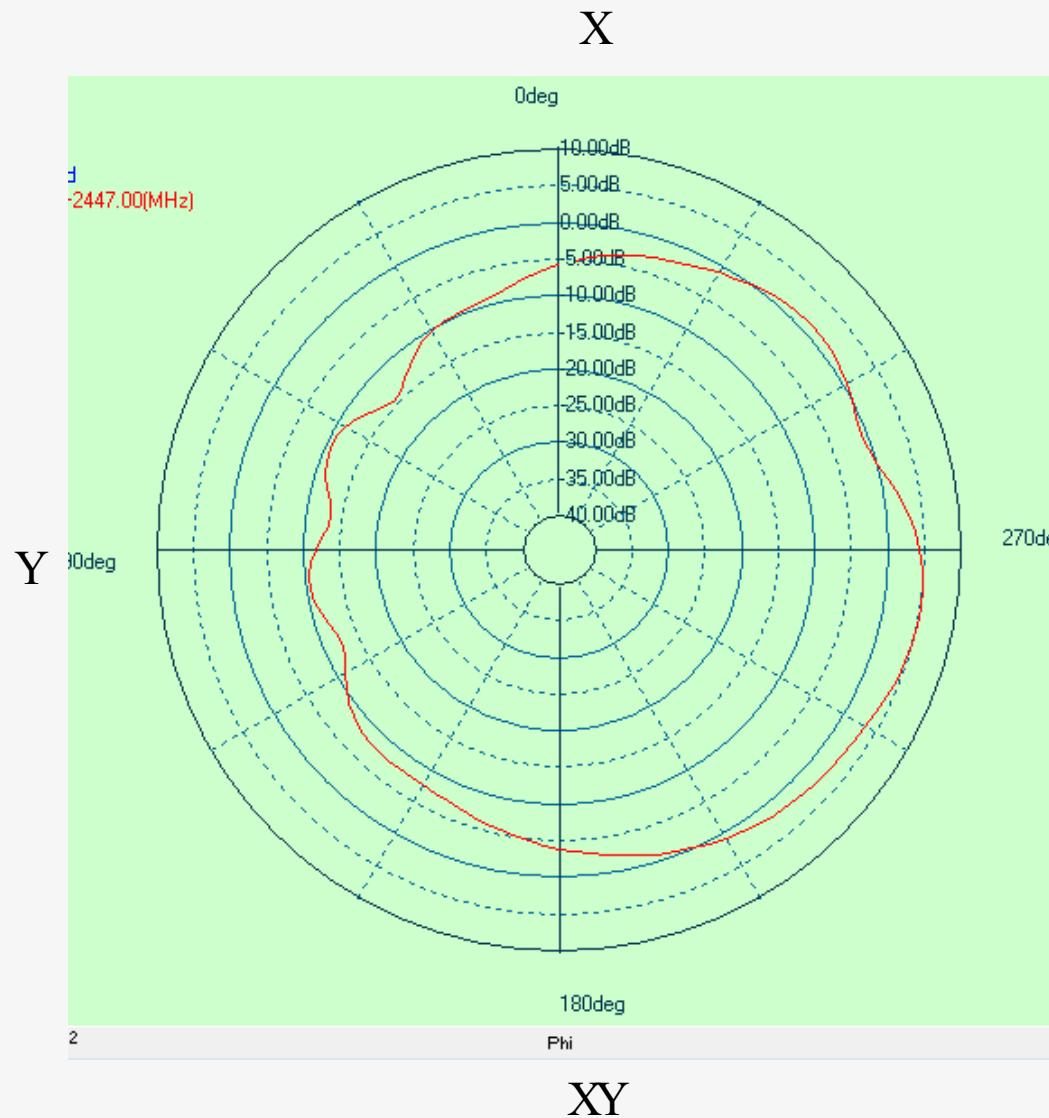
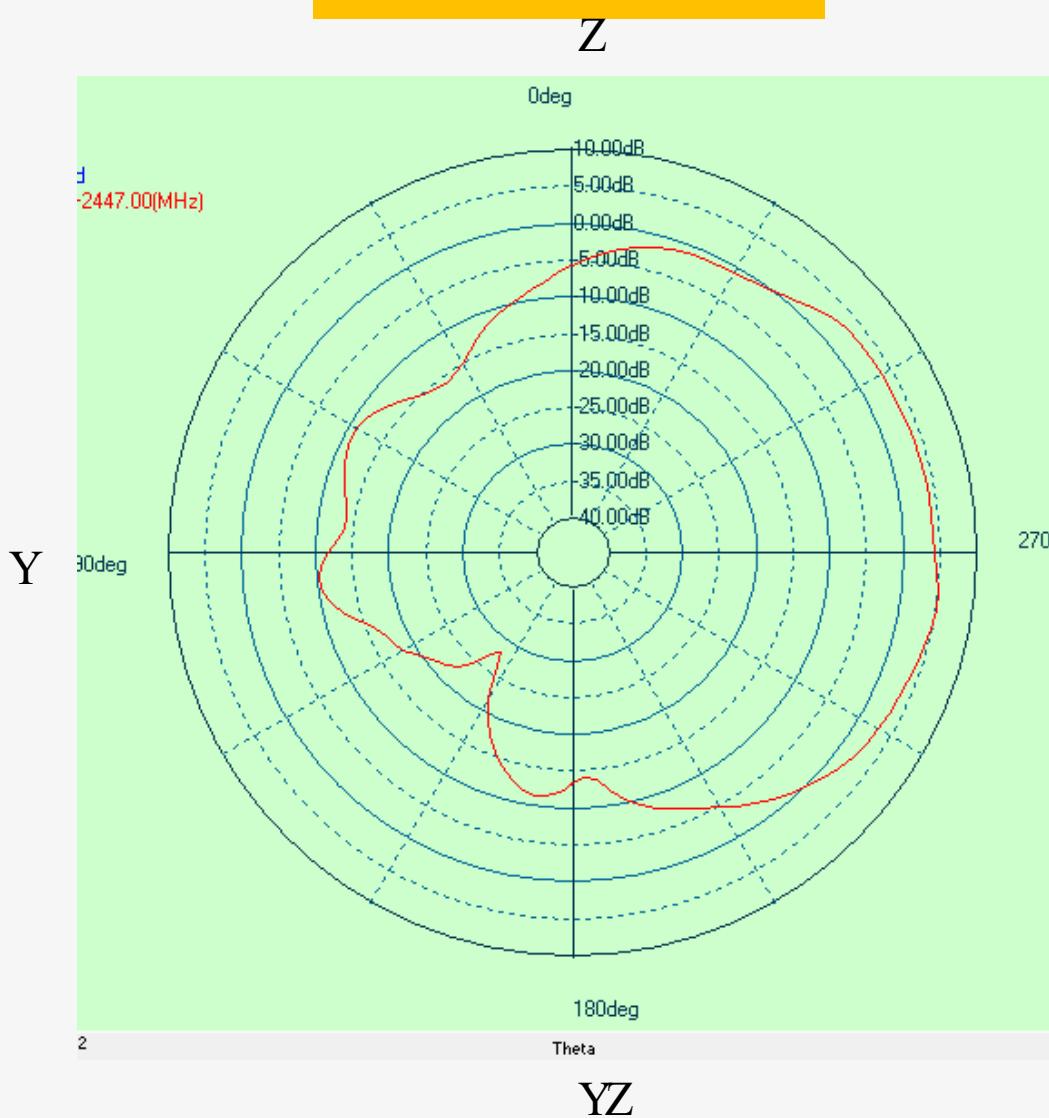
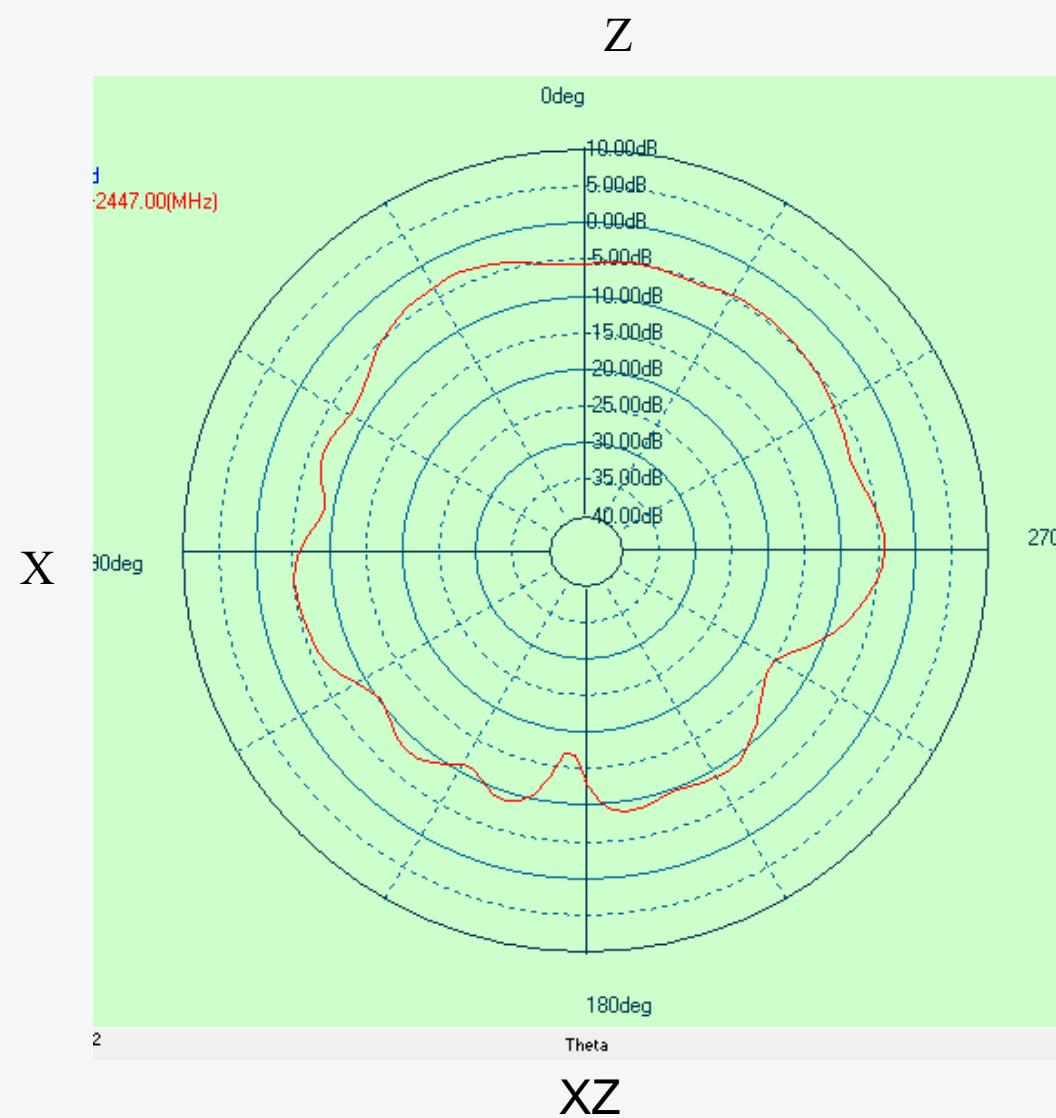
**5500 MHz**



# 2D Radiation Patterns

WIFI - 6 Gary Antenna

2447 MHz



# 2D Radiation Patterns

WIFI - 6 Gary Antenna

5500 MHz

