

EAP112

Antenna Test Report

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

Accton

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Revised History

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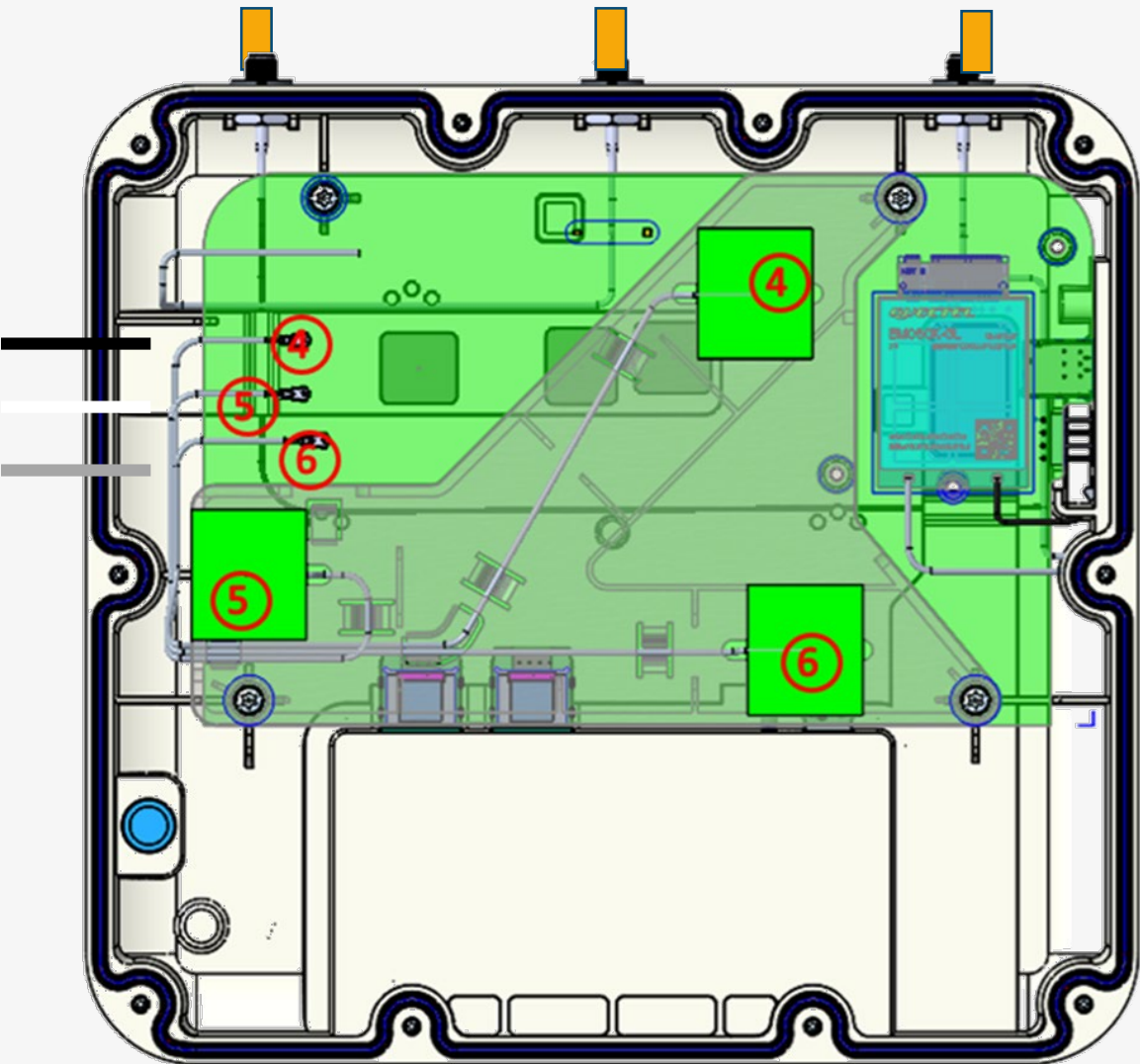


Antenna Summary

| | Measued 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 | | |



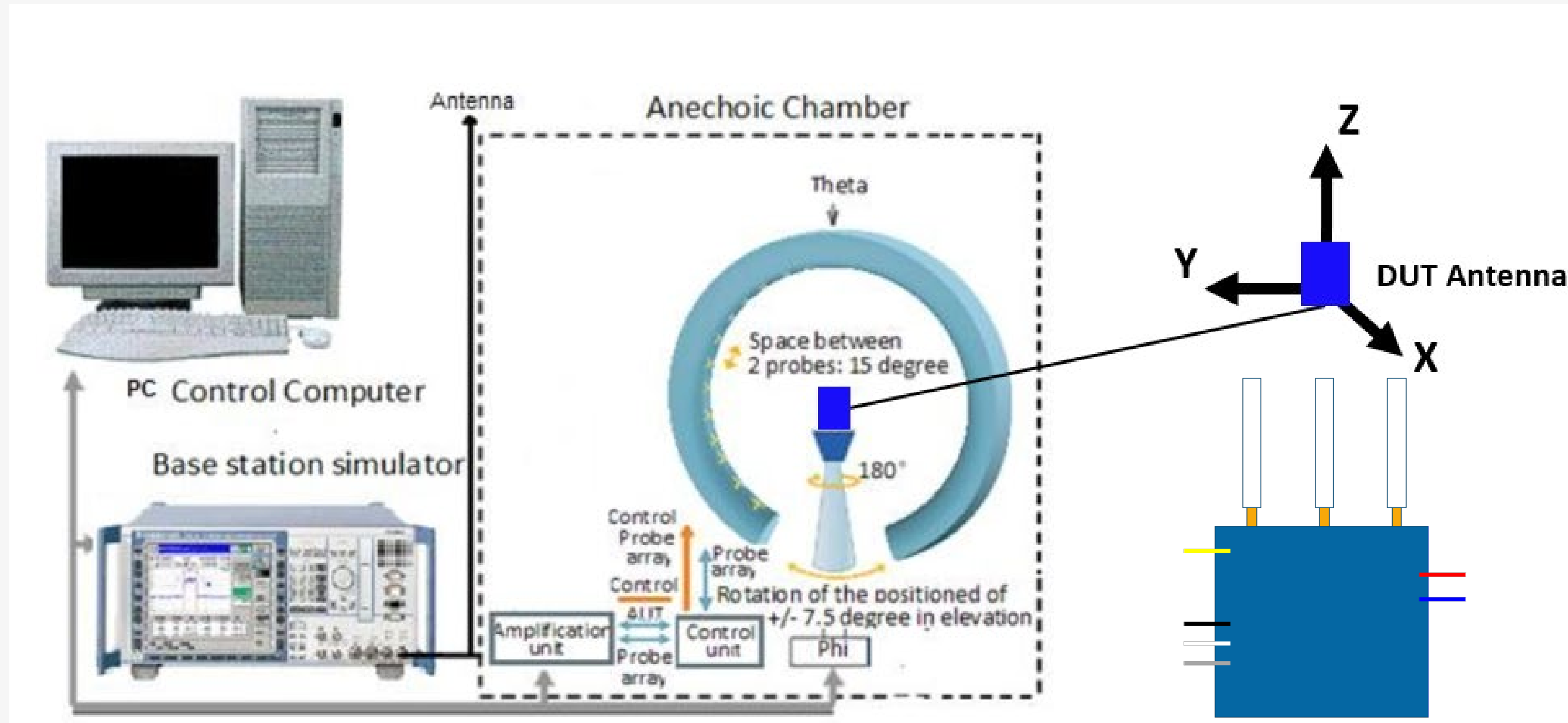
Antenna Placement & Description



| | 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 | |



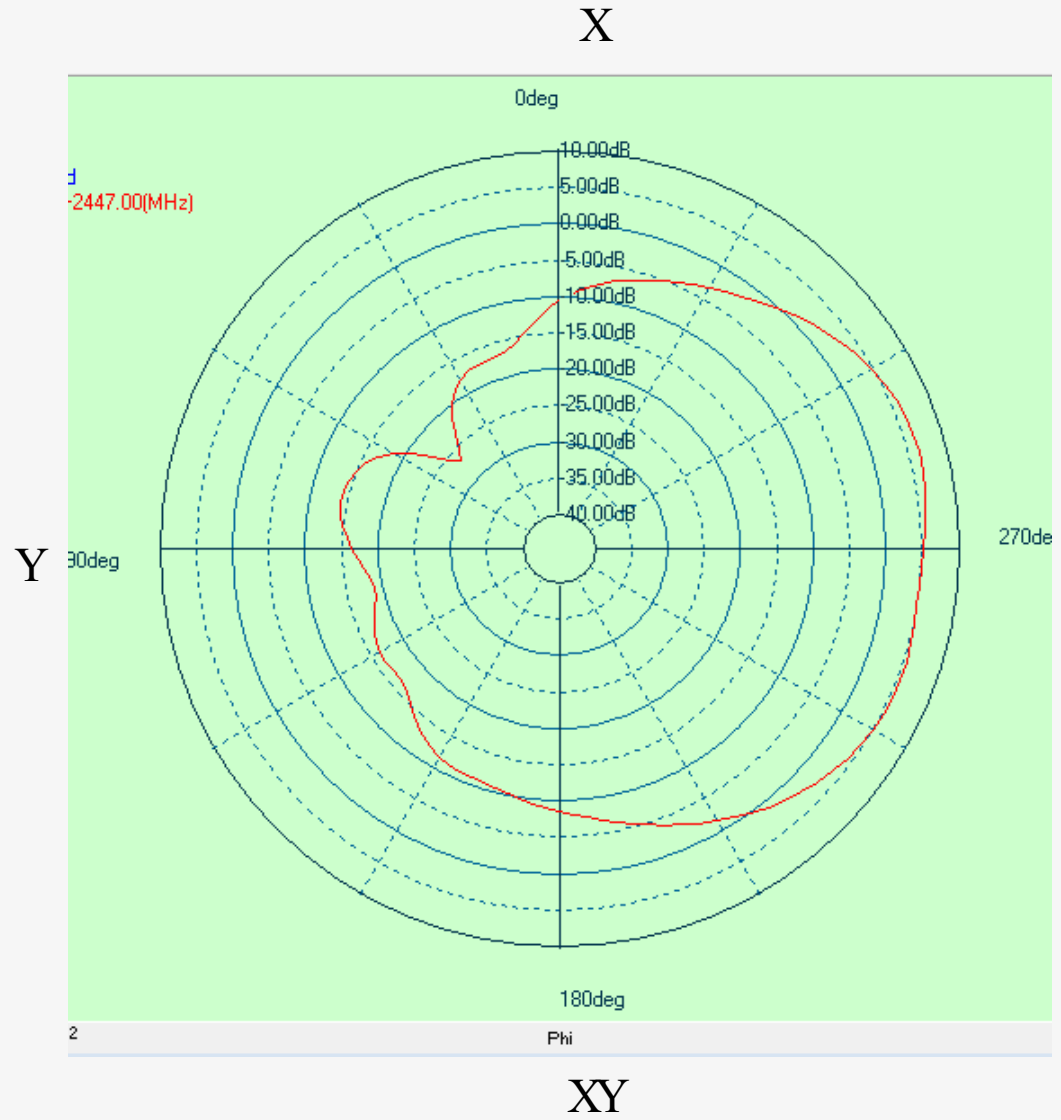
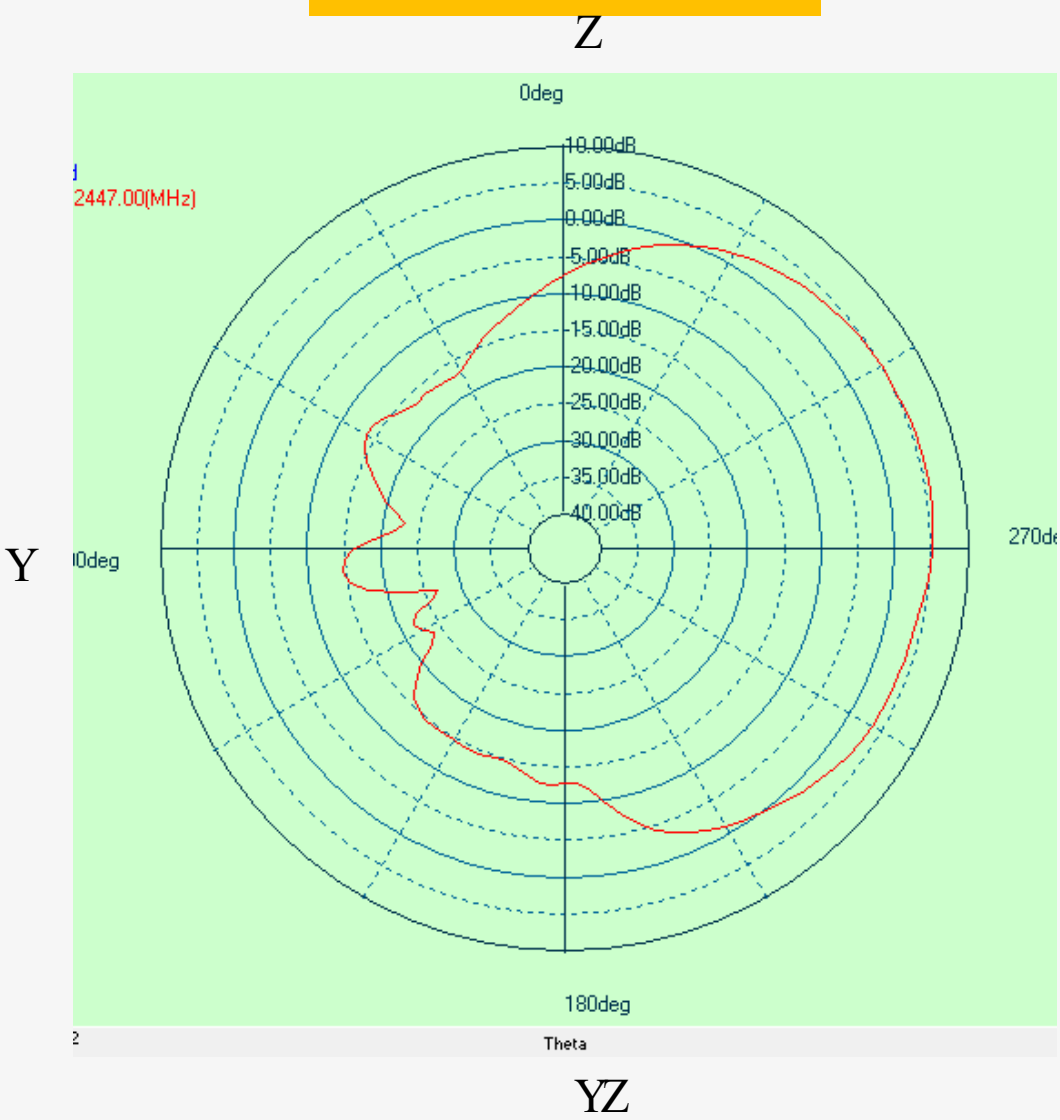
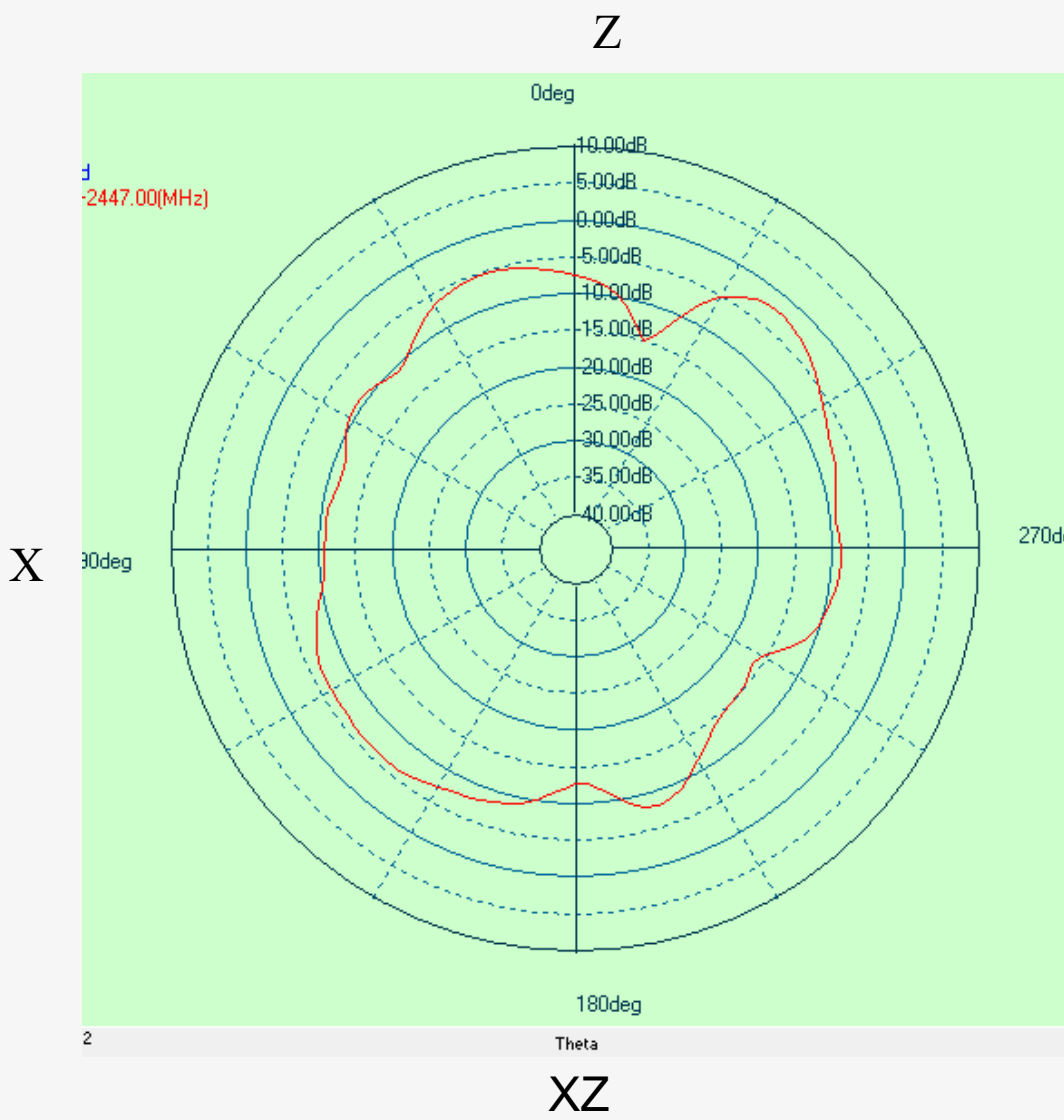
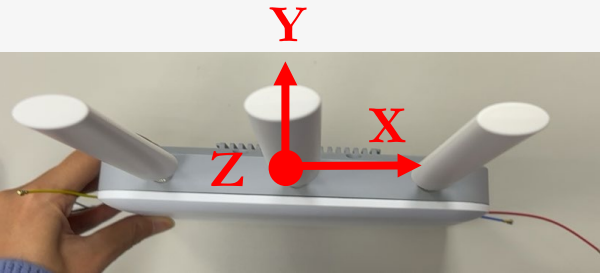
Experimental Setup & Coordinate System



2D Radiation Patterns

WIFI - 4 Black Antenna

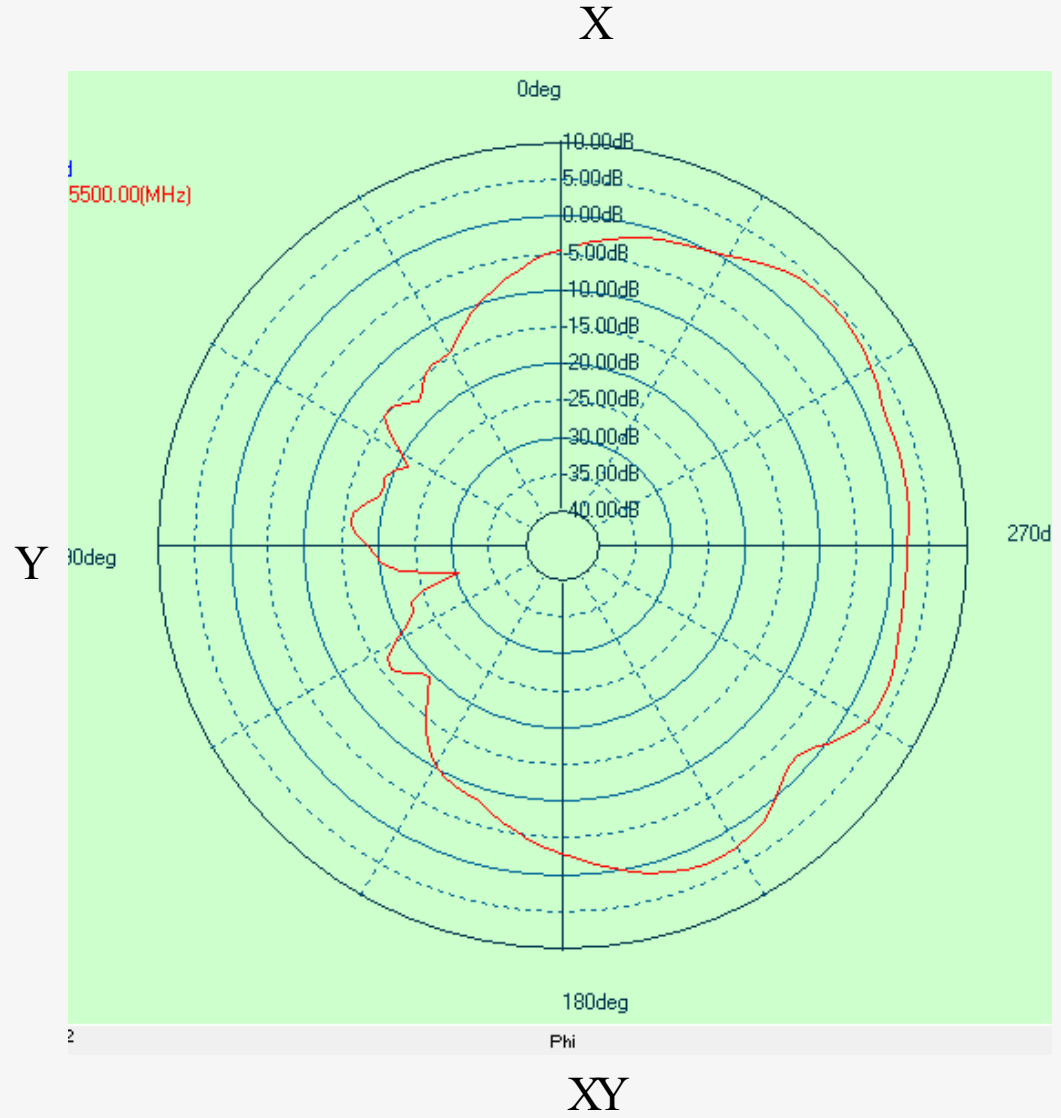
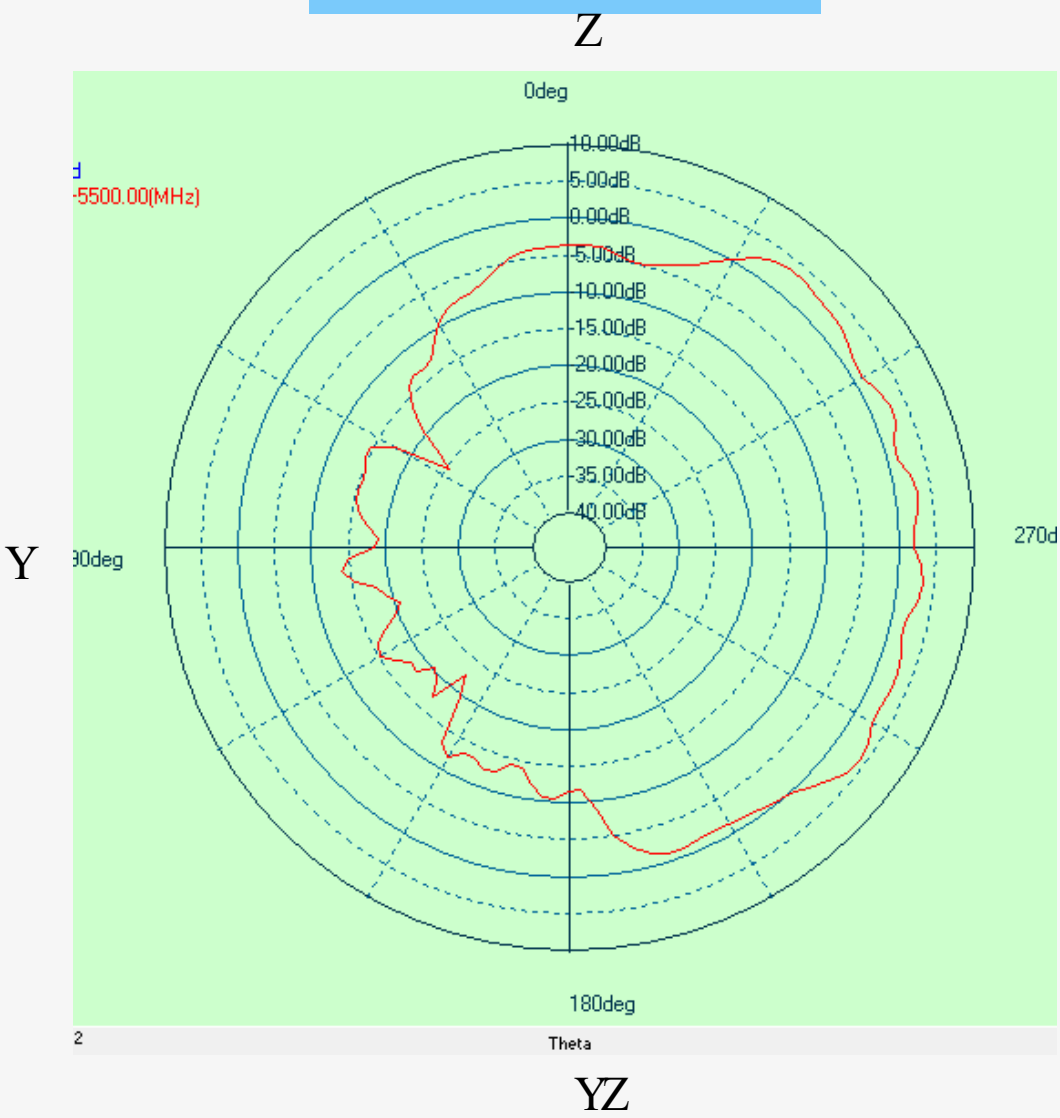
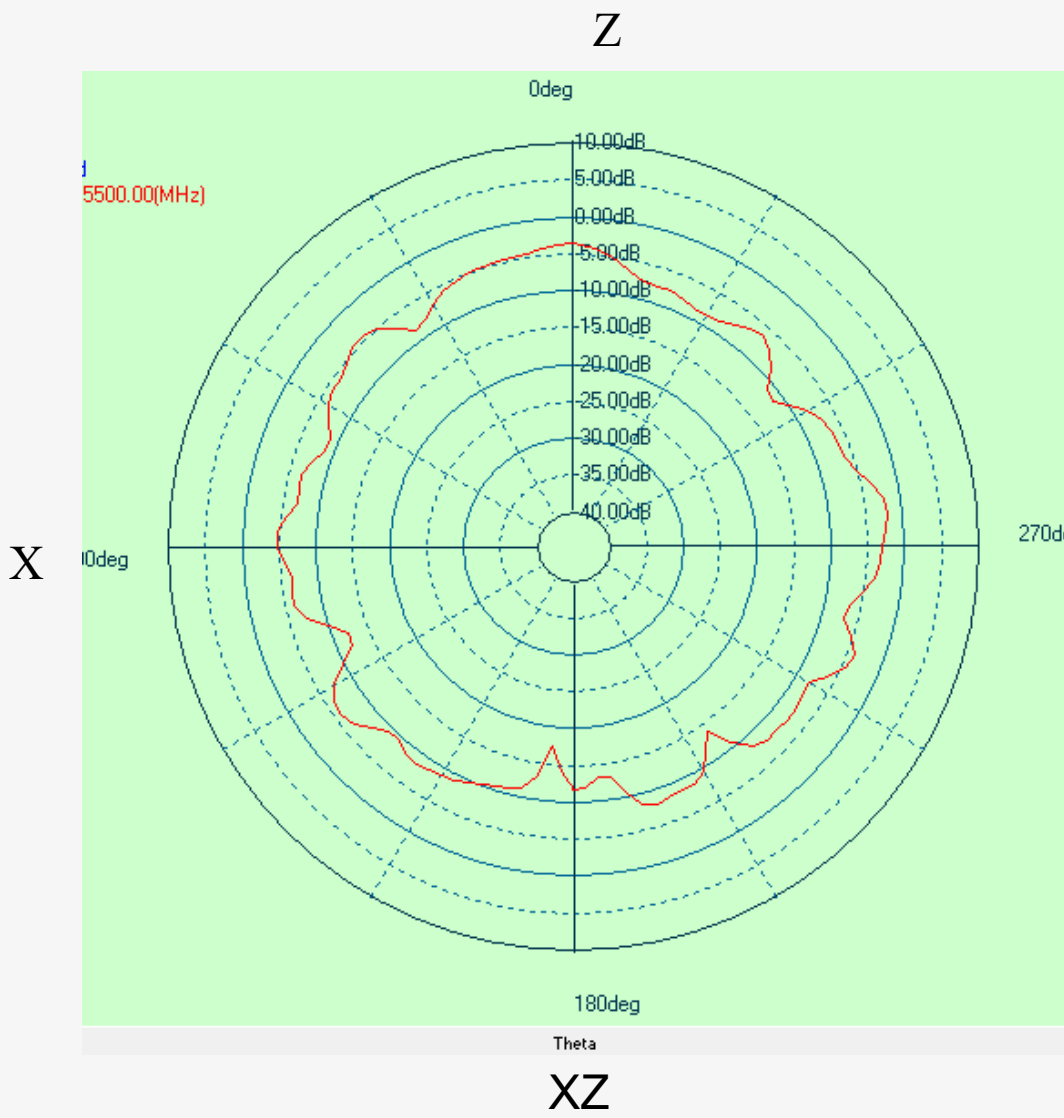
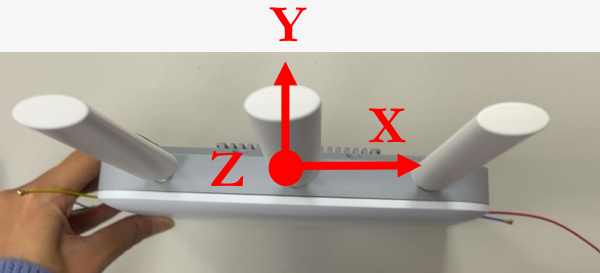
2447 MHz



2D Radiation Patterns

WIFI - 4 Black Antenna

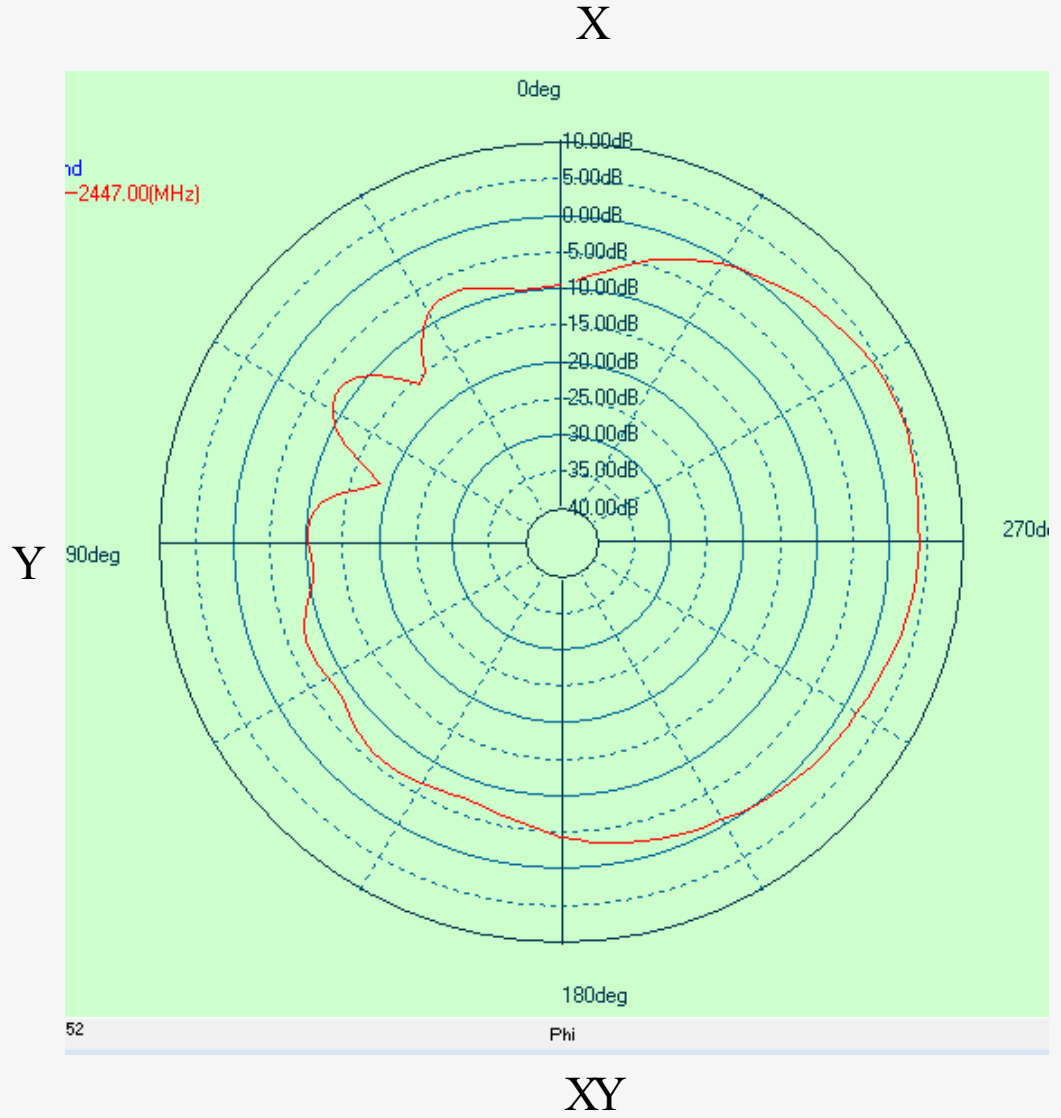
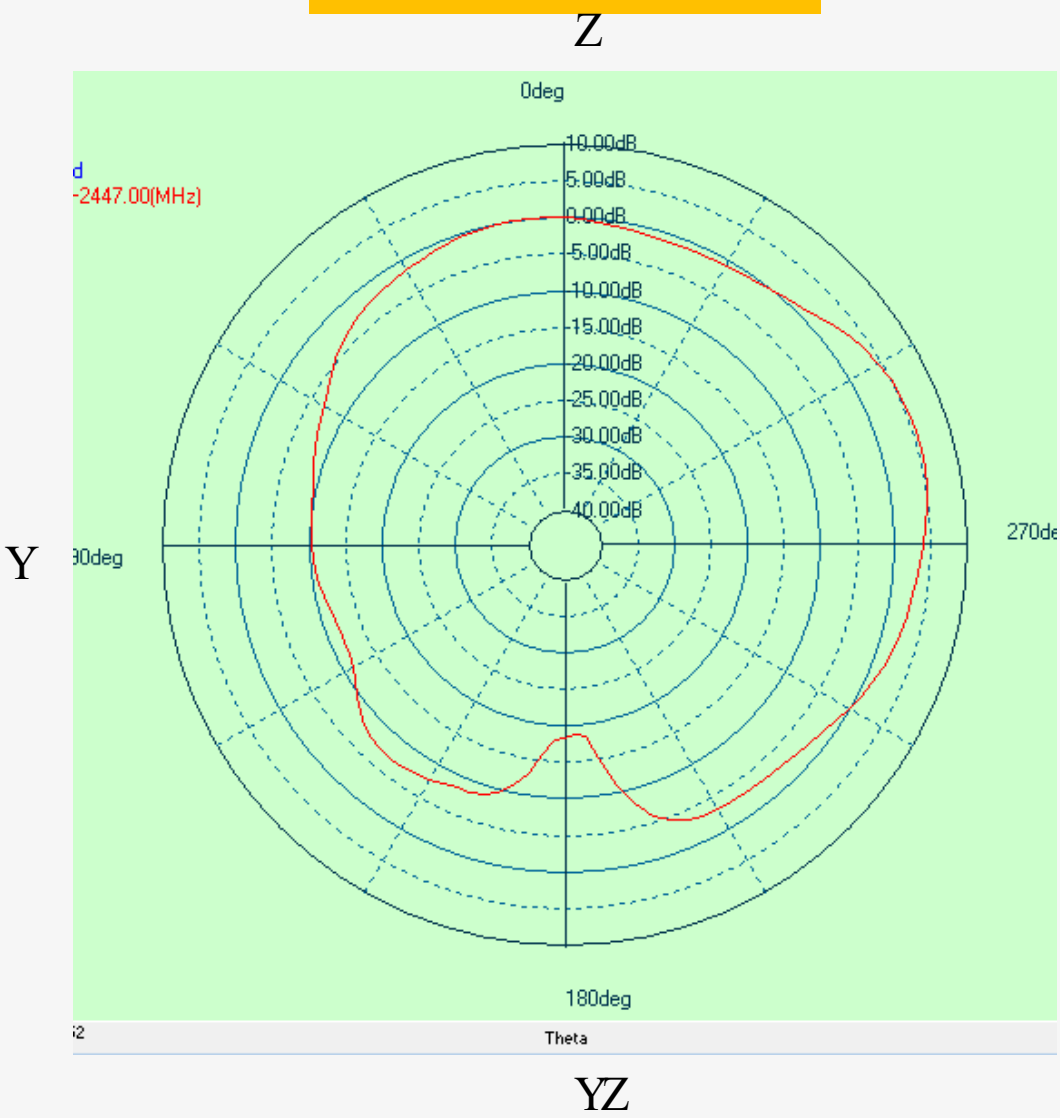
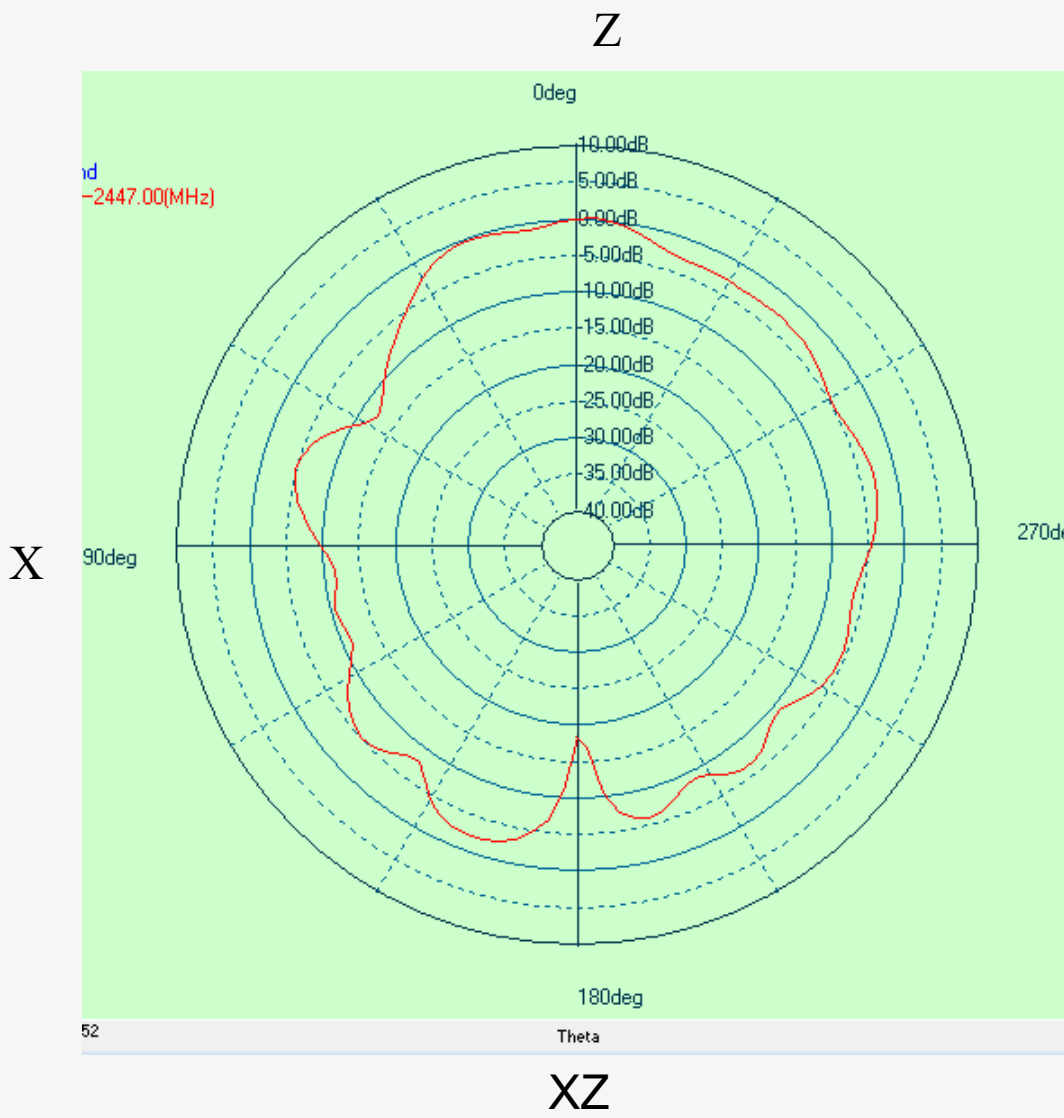
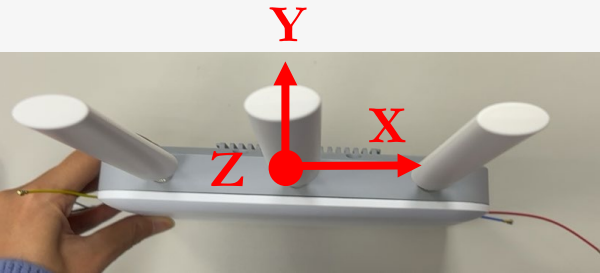
5500 MHz



2D Radiation Patterns

WIFI - 5 White Antenna

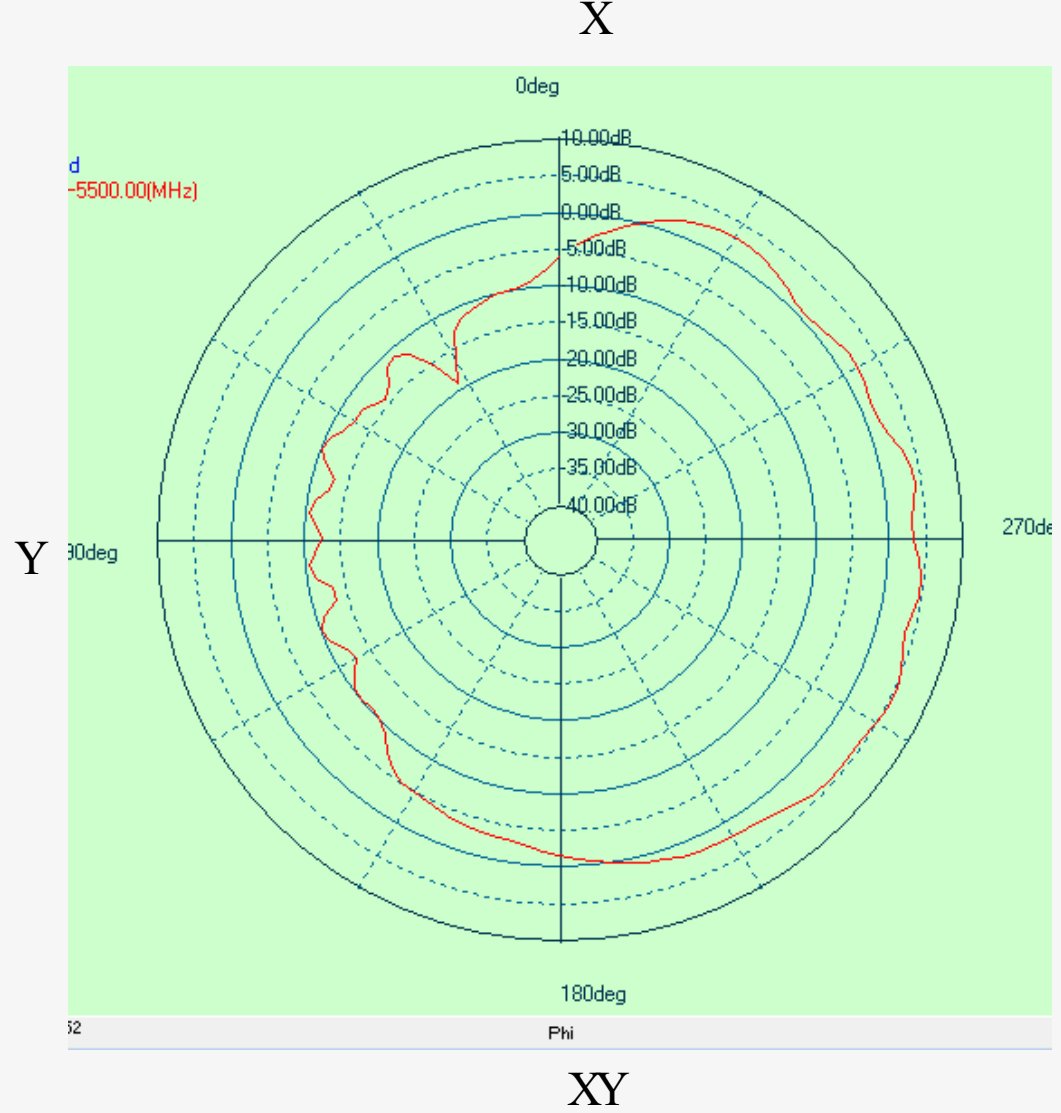
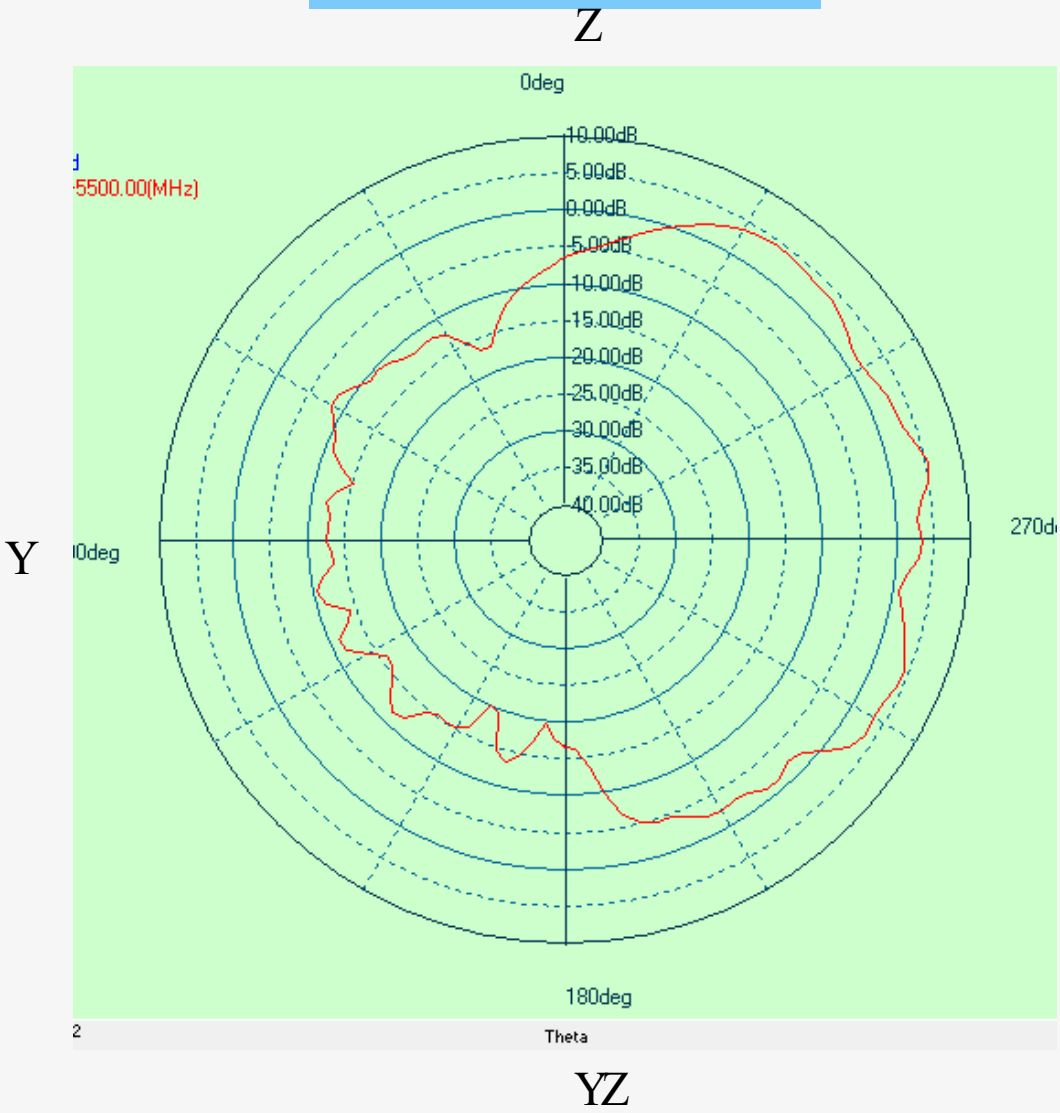
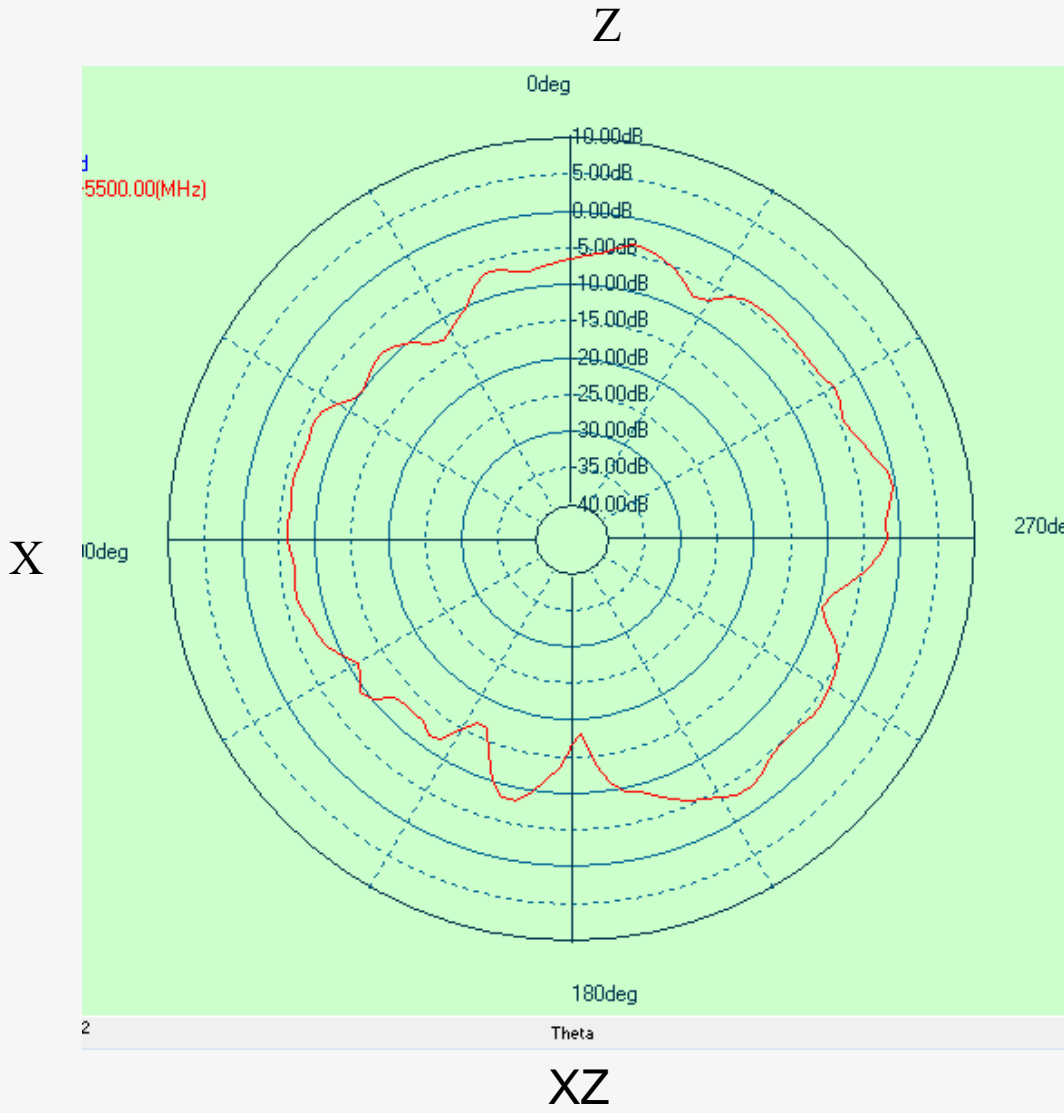
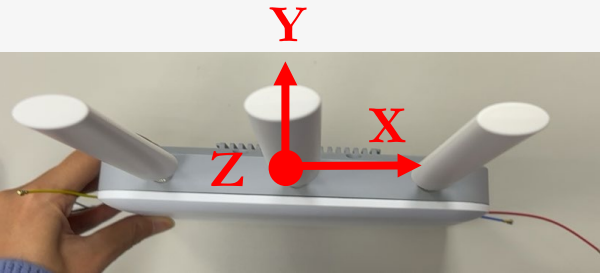
2447 MHz



2D Radiation Patterns

WIFI - 5 White Antenna

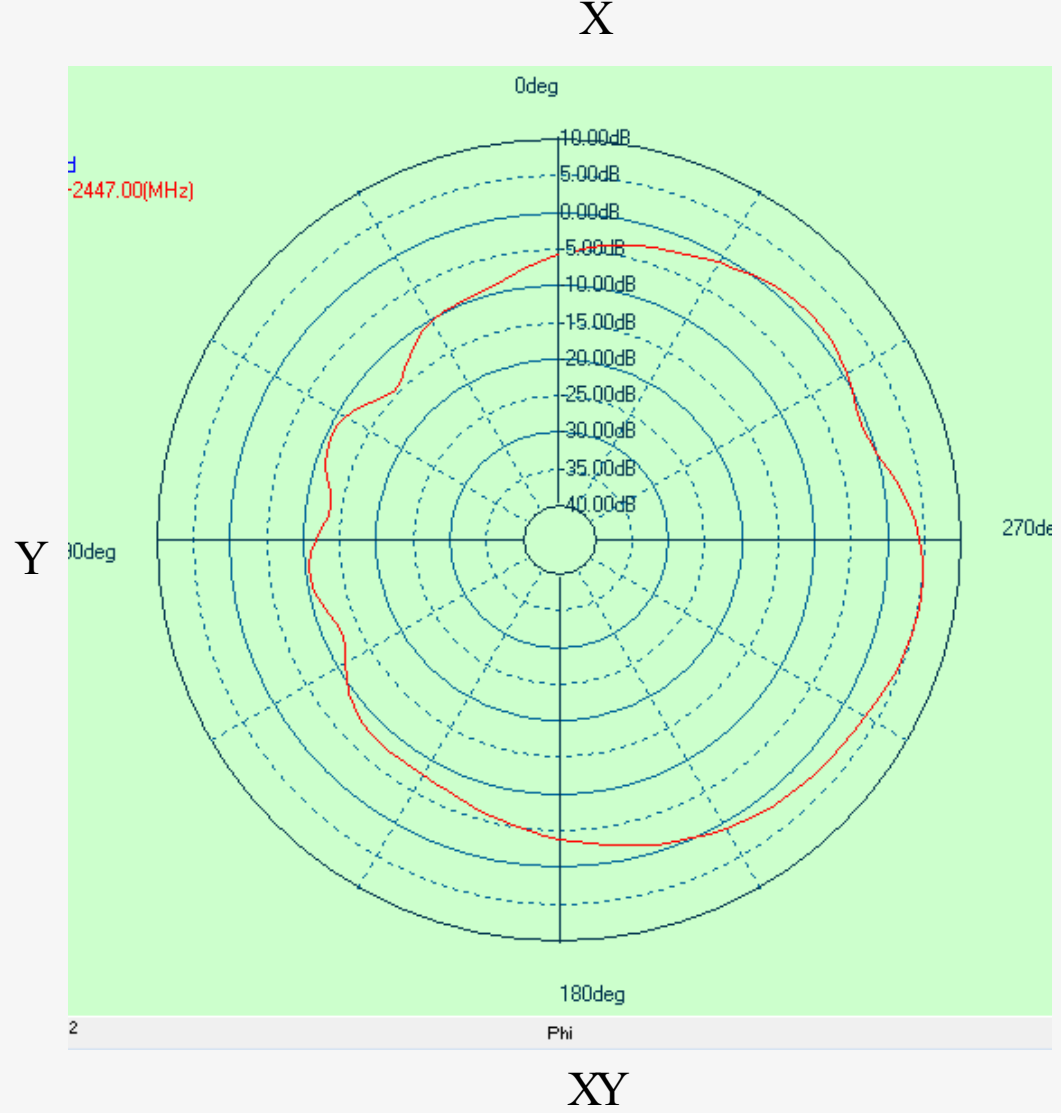
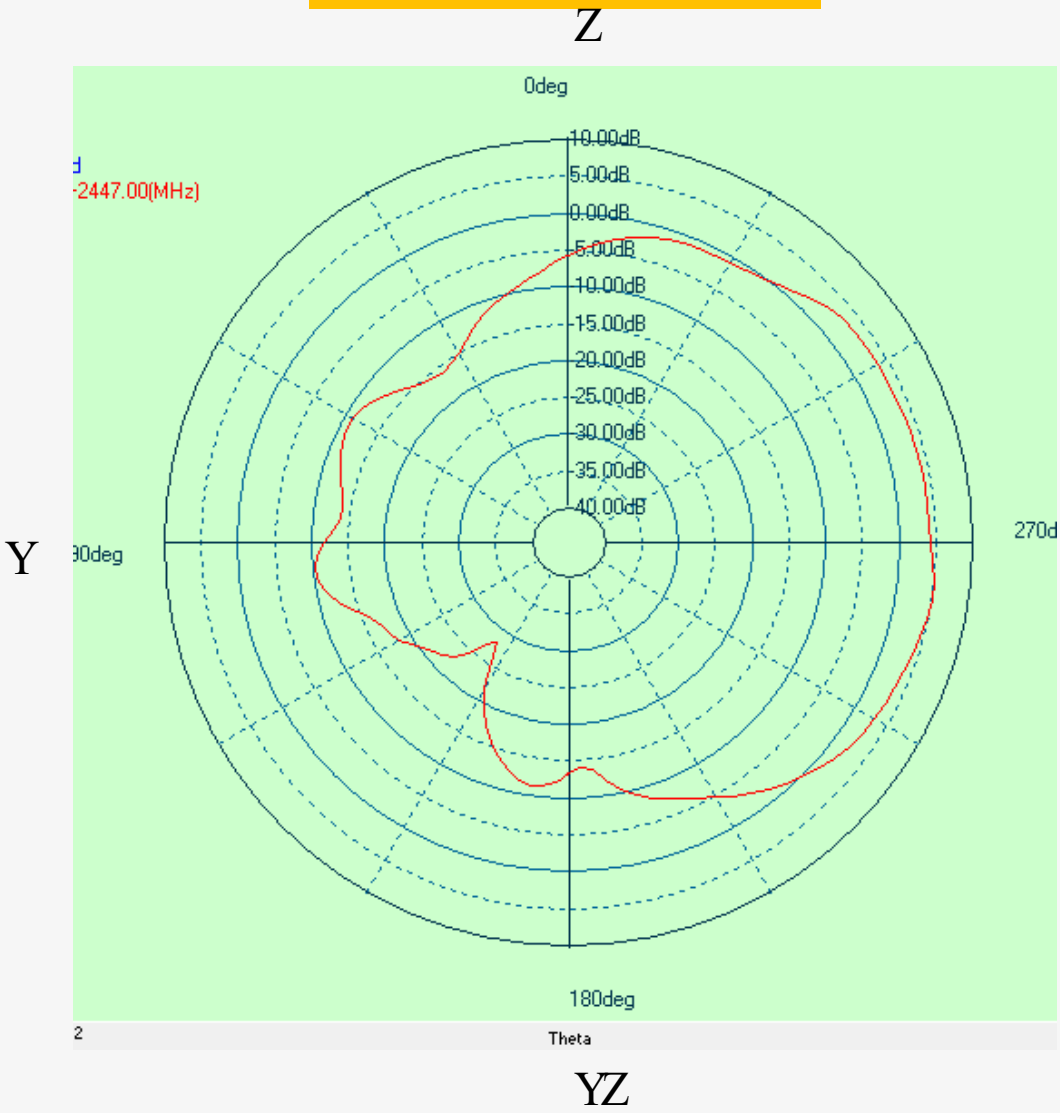
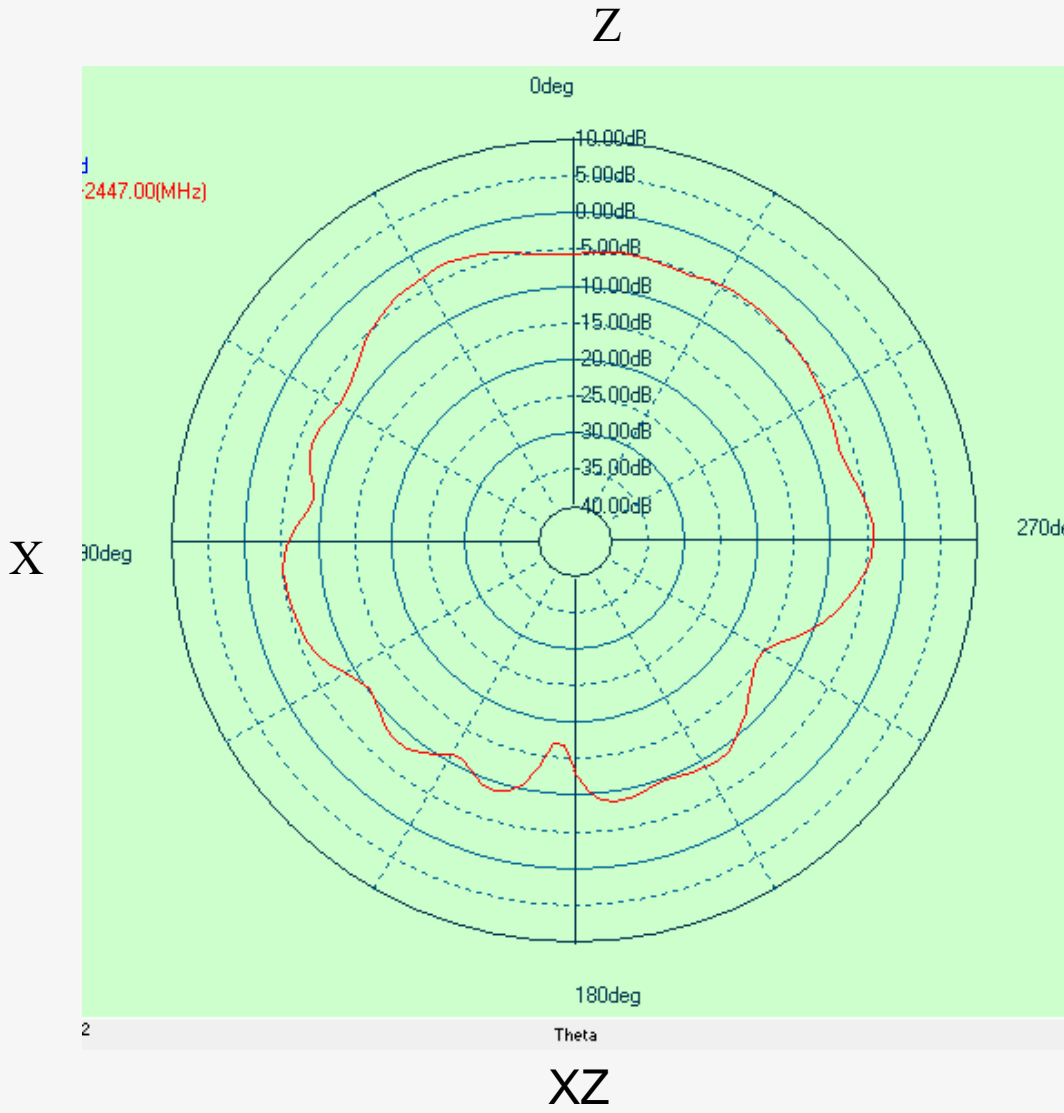
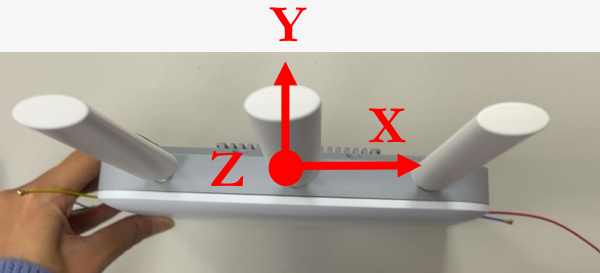
5500 MHz



2D Radiation Patterns

WIFI - 6 Gary Antenna

2447 MHz



2D Radiation Patterns

WIFI - 6 Gary Antenna

5500 MHz

