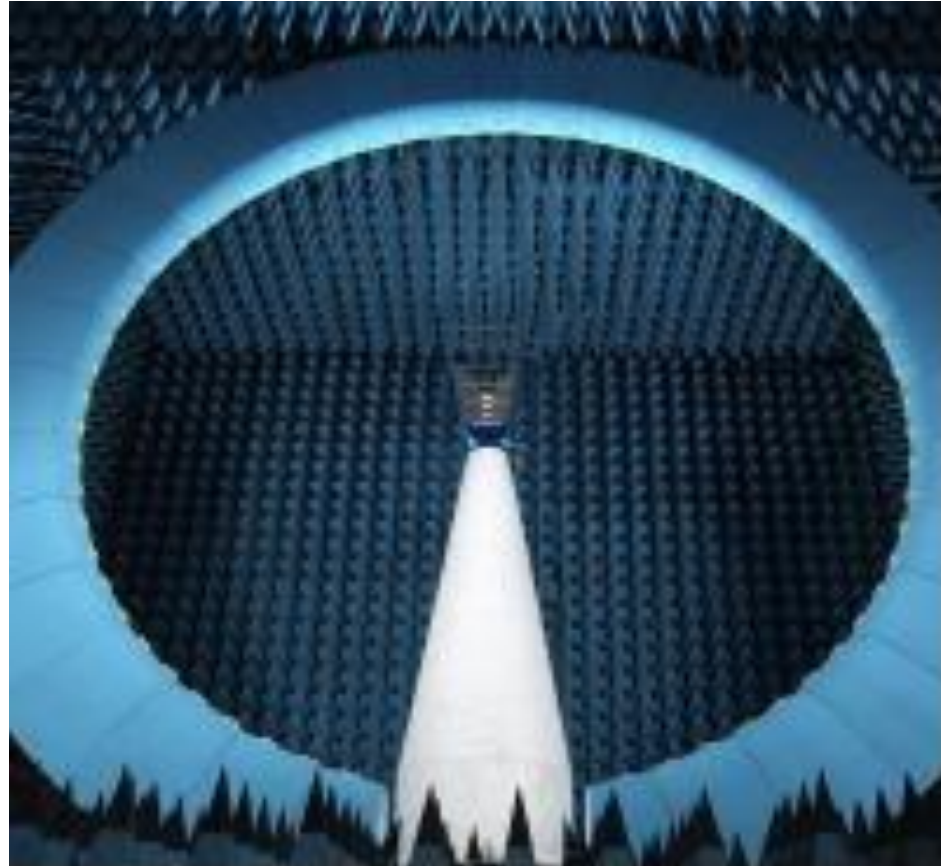


# **Pages reference for short time confidential**

Referenced File: Pulse\_Paraket\_Antenna passive TestReport\_20230412-V4.0(MP)-1.pdf

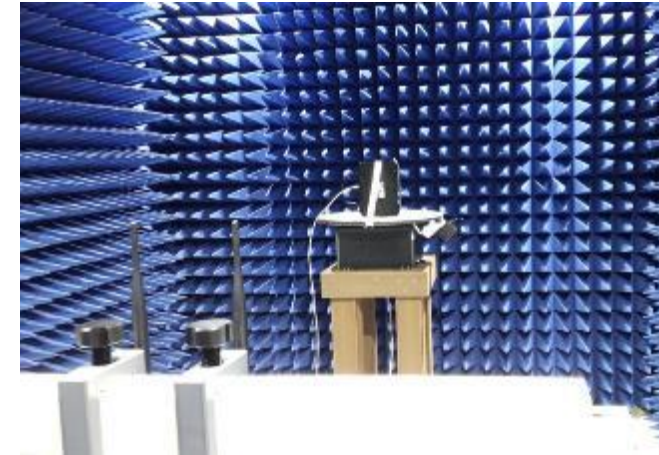
Passive /Active antenna testing



Satimo SG\_24 Chamber  
Dimension: 6m\*6m\*7.5m



Thought put testing

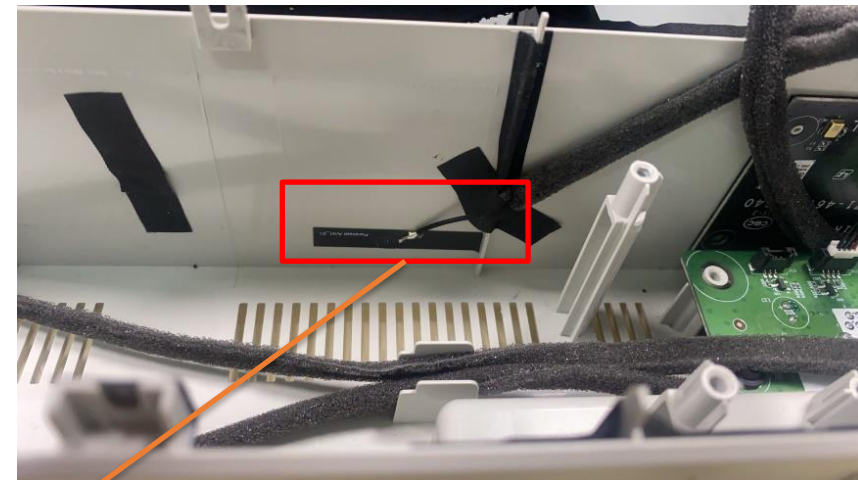
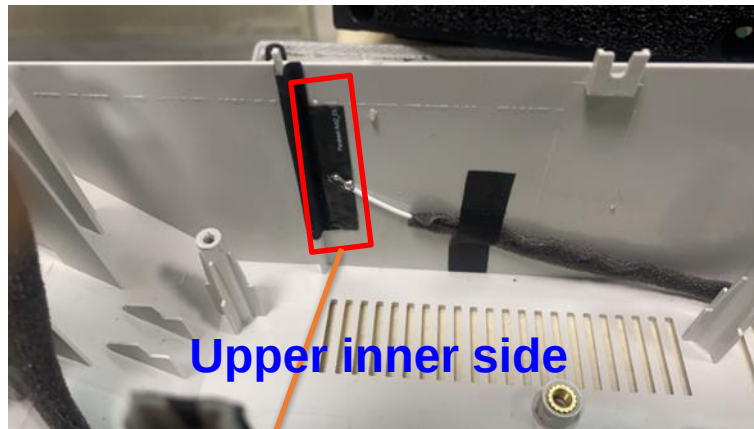


Antenna tuning and matching



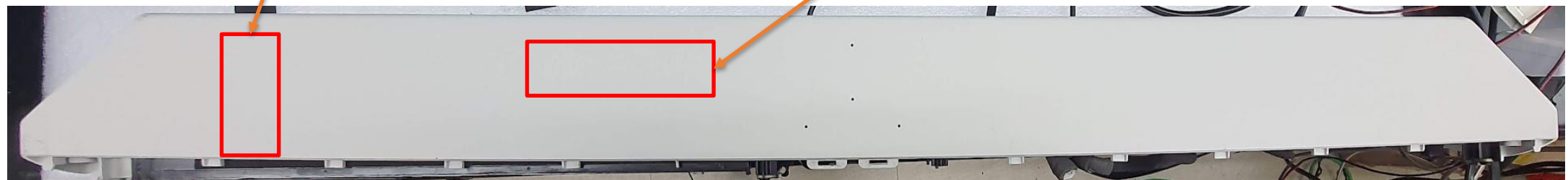
Keysight E5071C ENA 9 kHz 至 8.5 GHz

# Page 12: Antenna's location

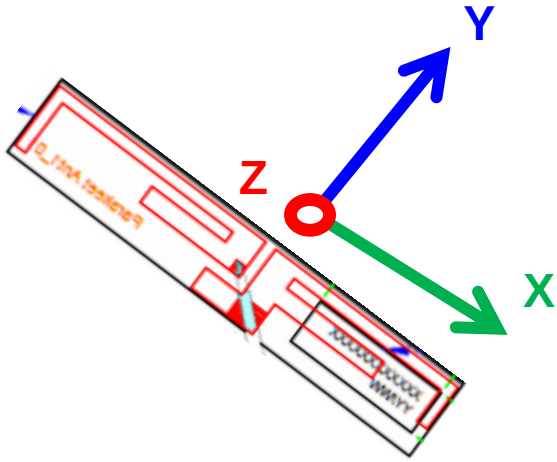


ANT 2 Cable : 670mm

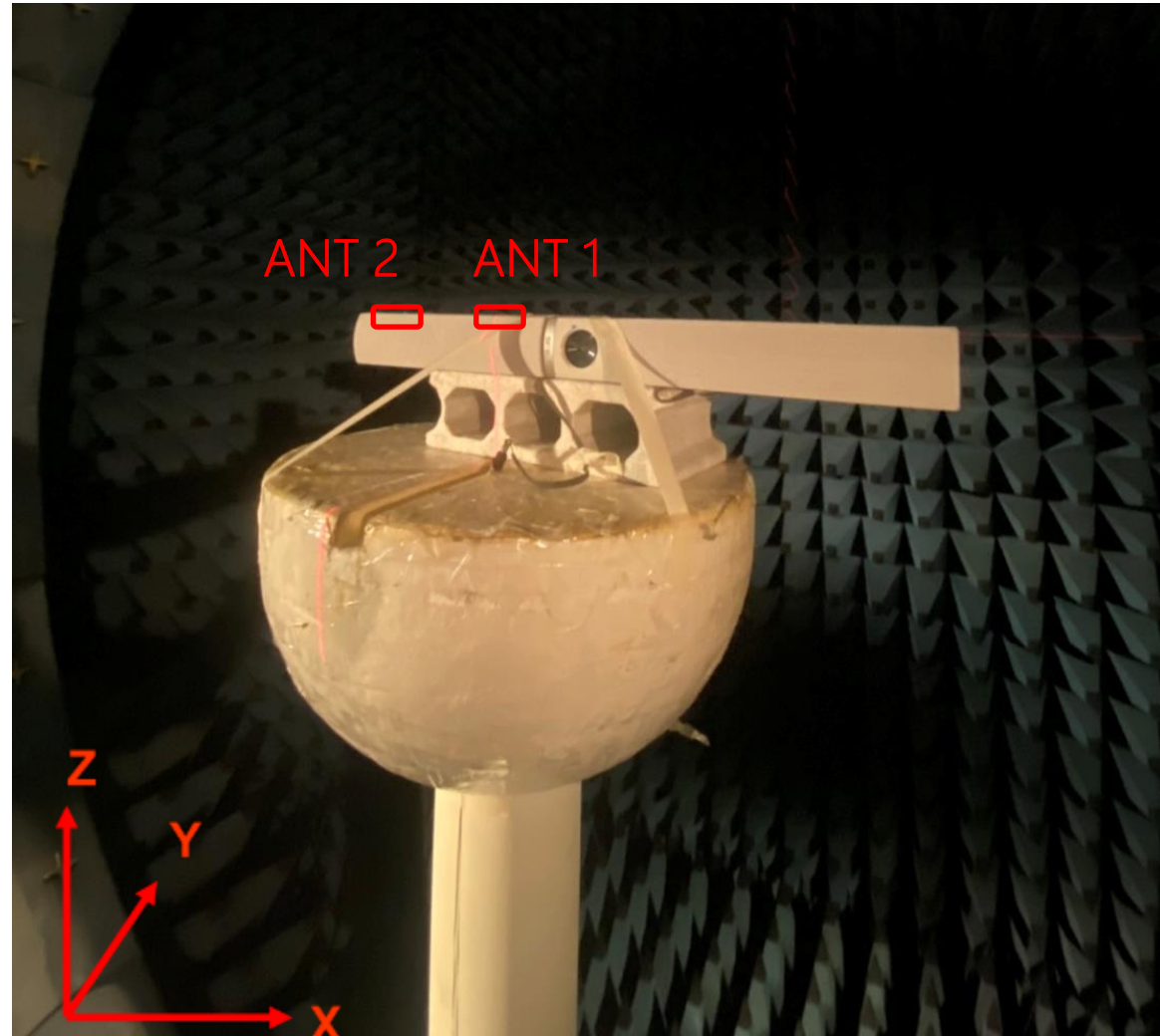
ANT 1 Cable : 450mm



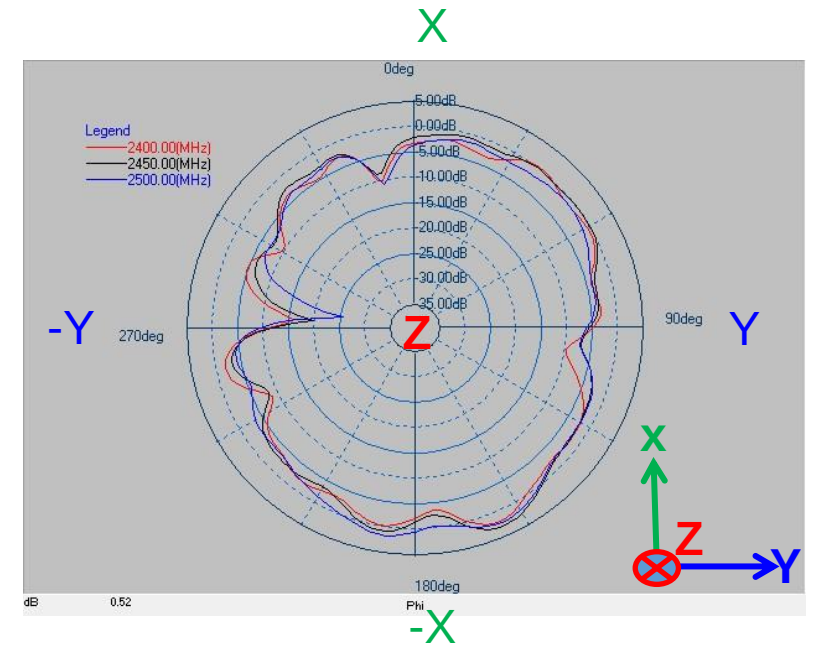
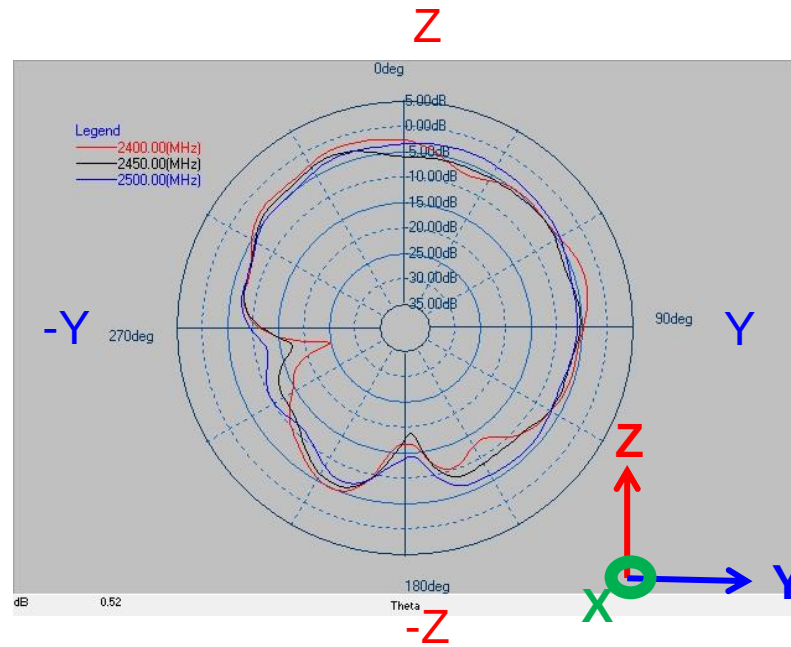
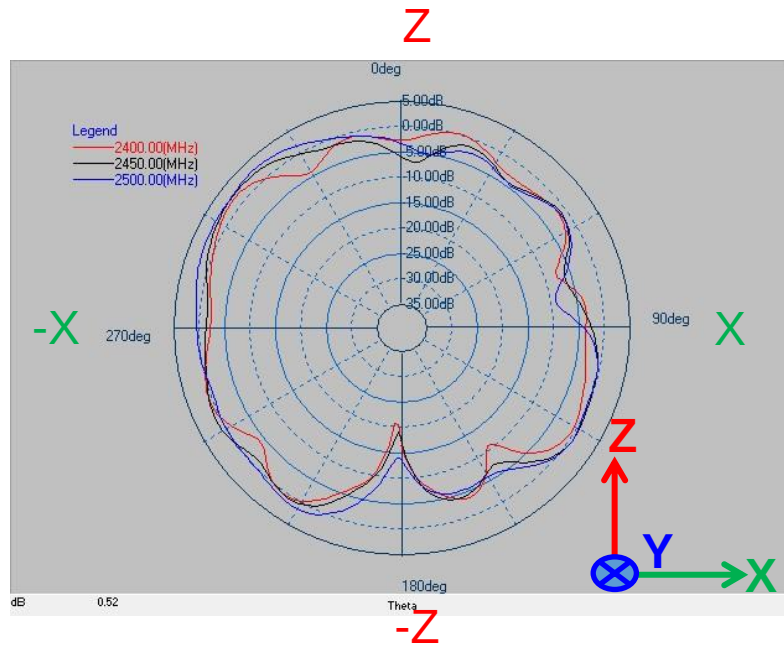
Top View



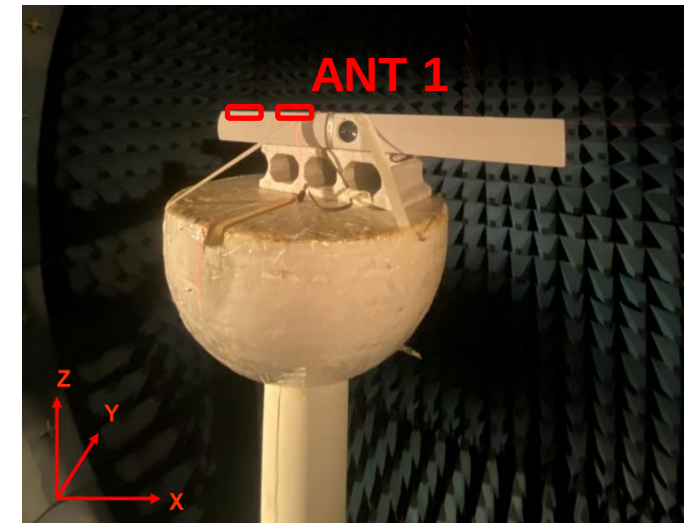
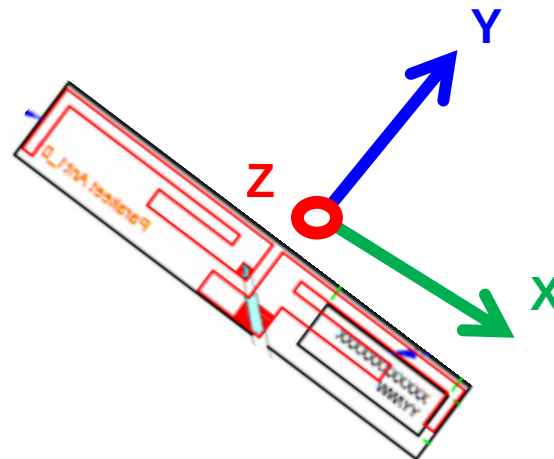
PS: ANT1 center and ANT2 center is not the same. That is , The measurement points are at the center of the respective antennas.



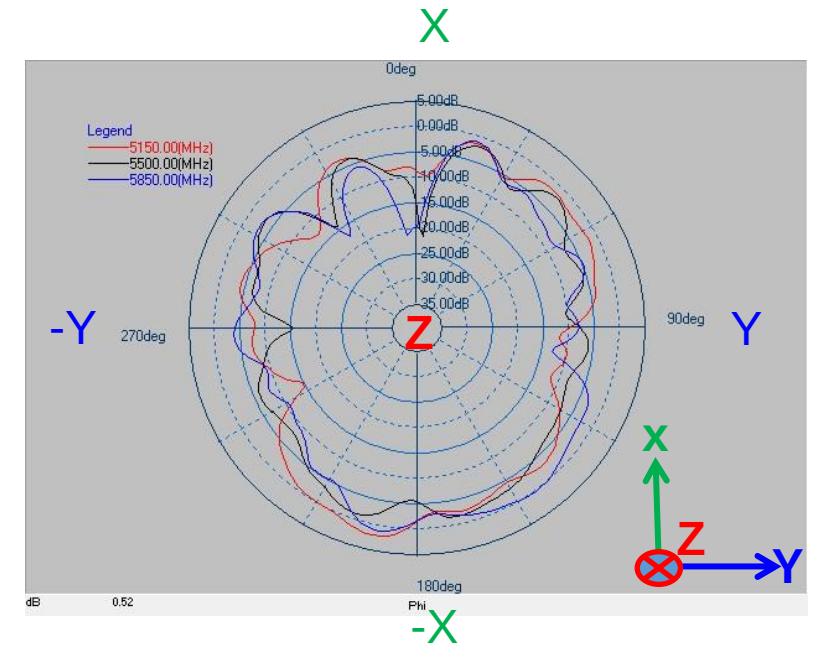
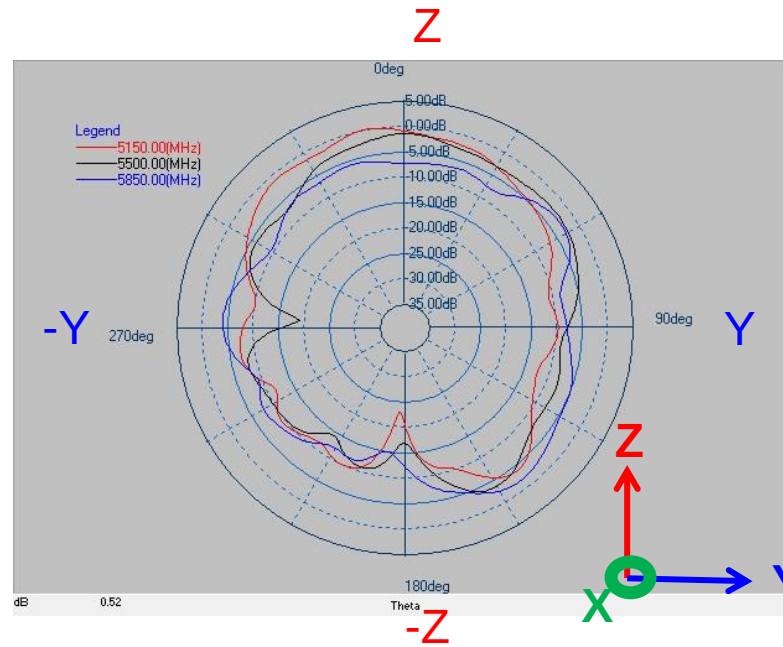
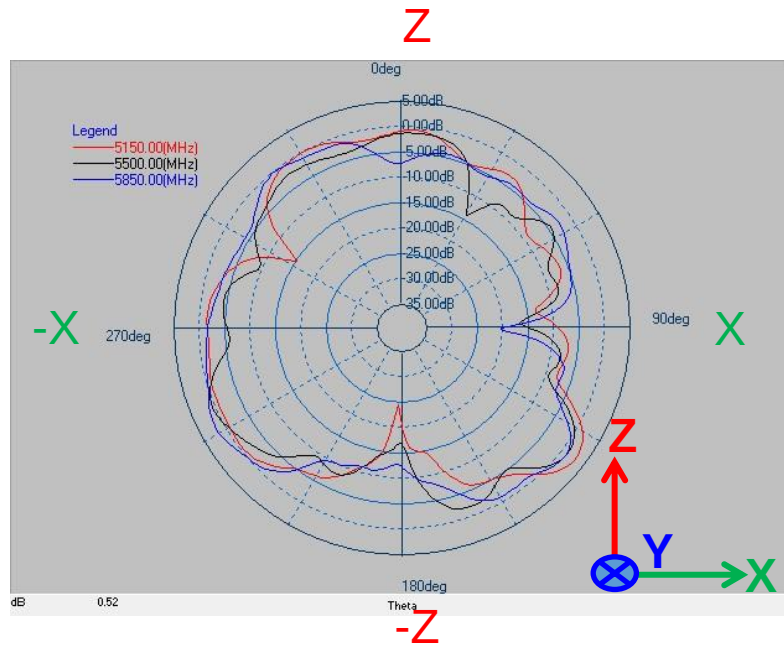
# Page 18: 2D Gain Pattern: ANT 1 @2G



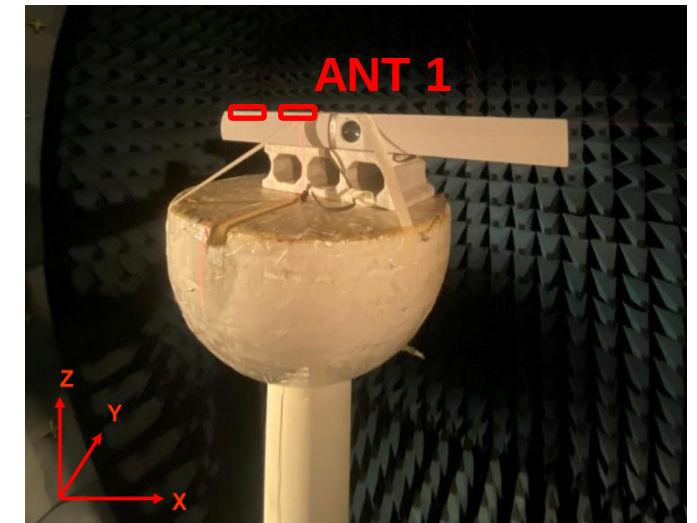
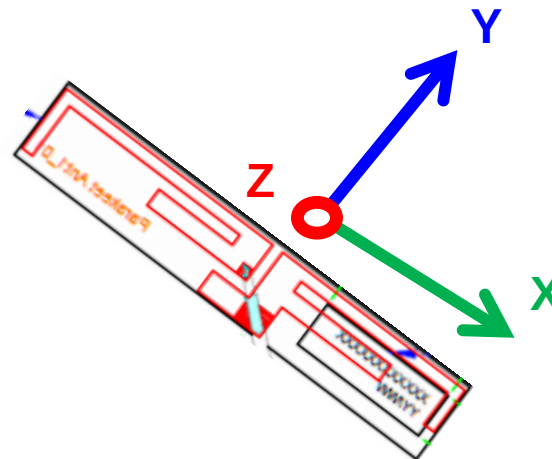
| ANT1 (2.4Ghz band) |               |           |
|--------------------|---------------|-----------|
| Frequency(Mhz)     | Efficiency(%) | Peak Gain |
| 2400               | 58.91         | 4.09      |
| 2450               | 63.05         | 4.54      |
| 2500               | 60.21         | 4.41      |



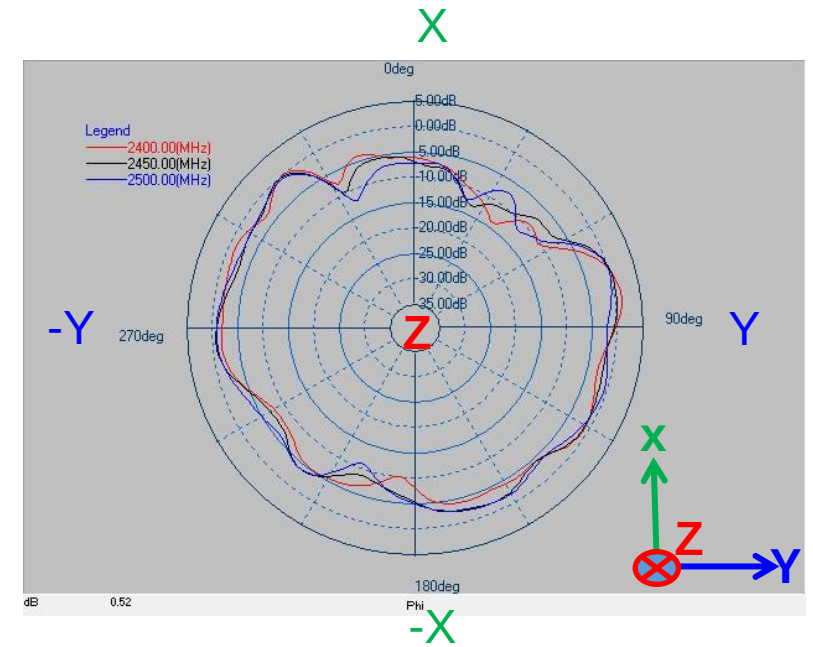
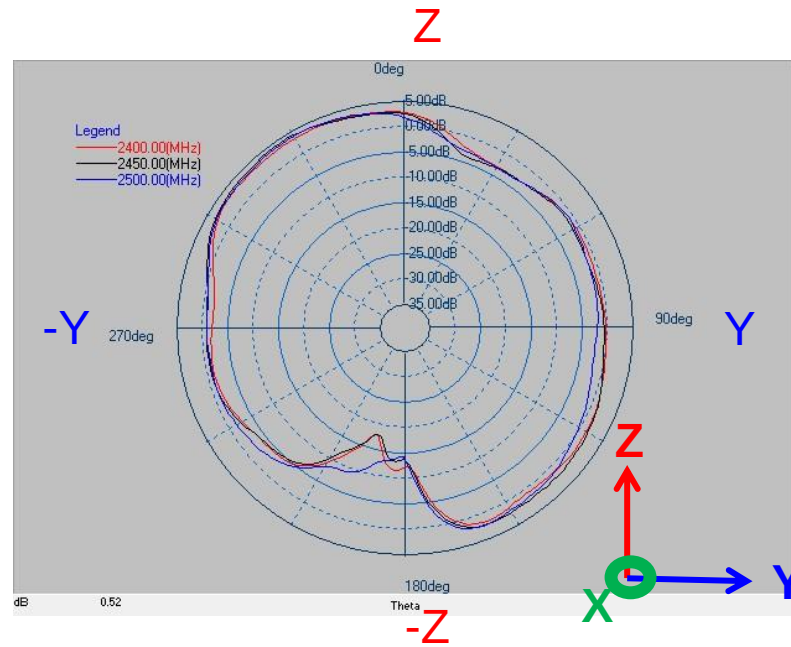
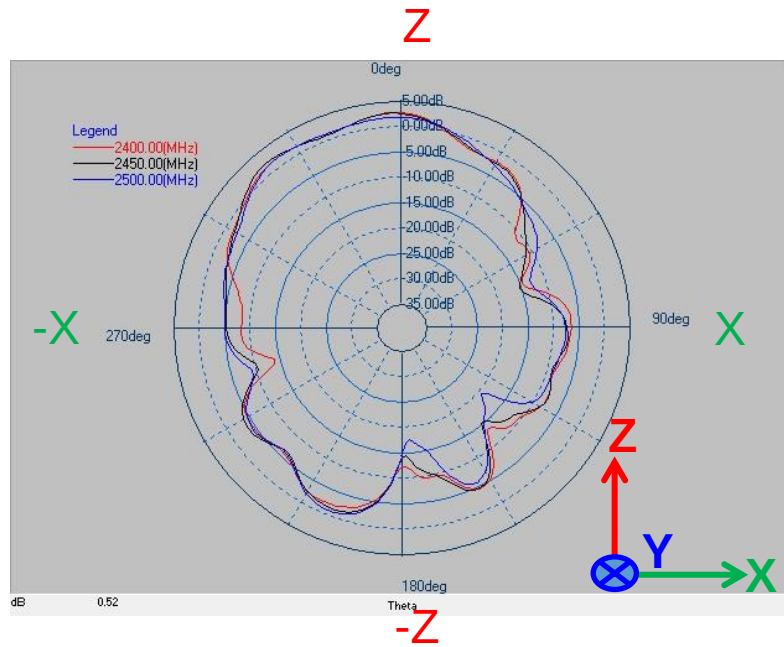
# Page 19: 2D Gain Pattern: ANT 1 @5G



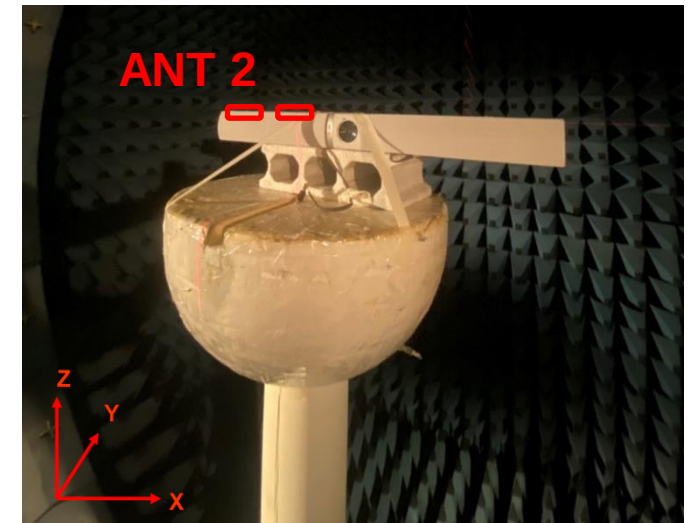
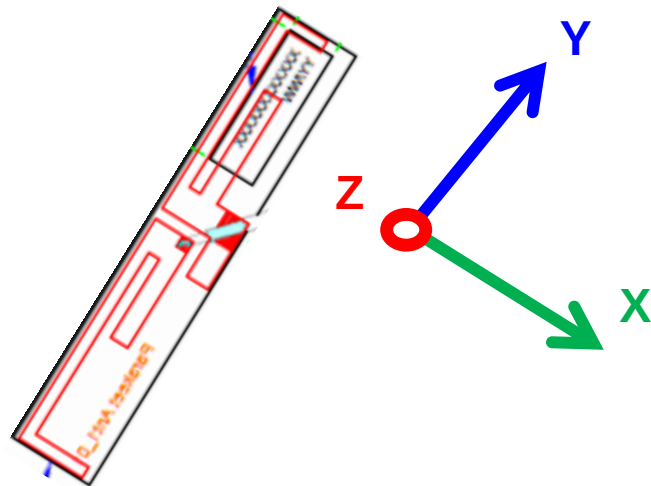
| ANT1 (5Ghz band) |               |           |
|------------------|---------------|-----------|
| Frequency(Mhz)   | Efficiency(%) | Peak Gain |
| 5150             | 53.07         | 2.70      |
| 5500             | 50.39         | 3.50      |
| 5850             | 51.01         | 2.96      |



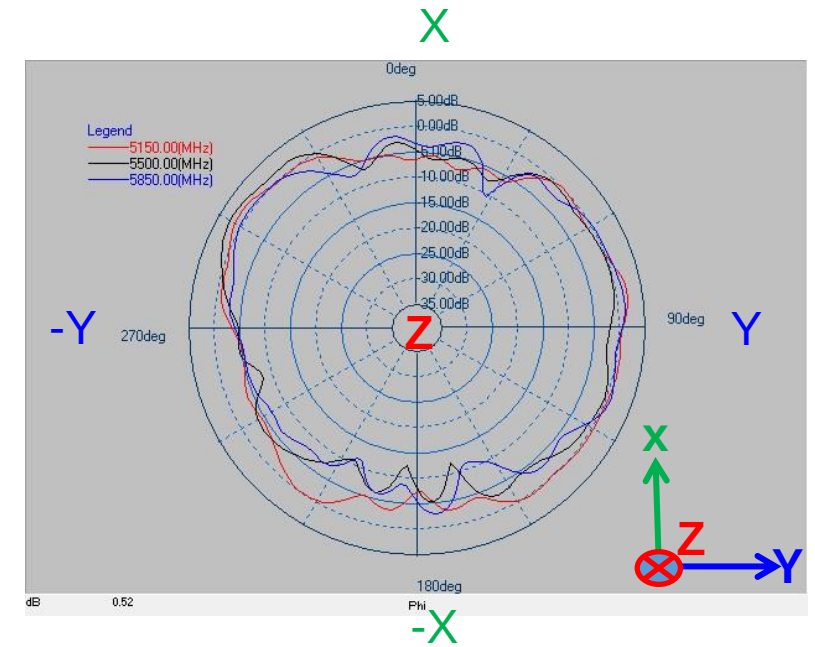
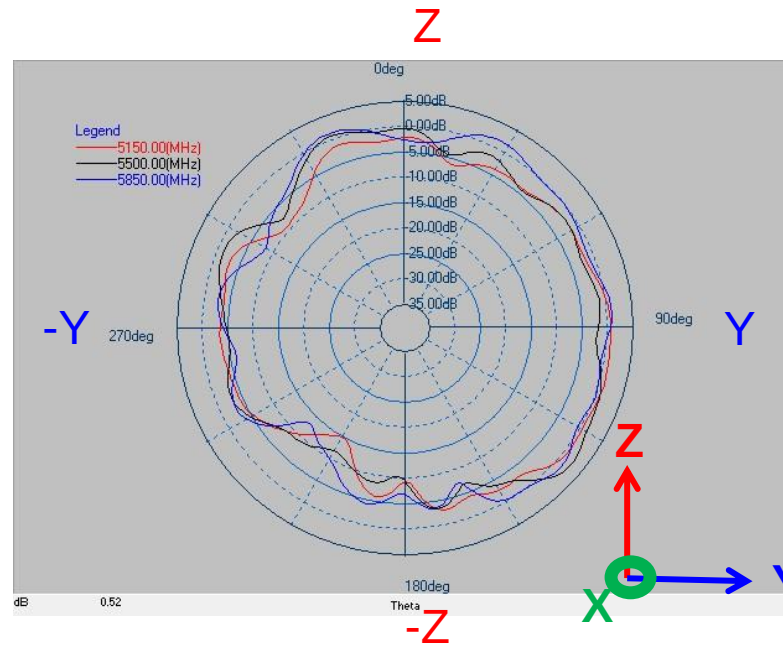
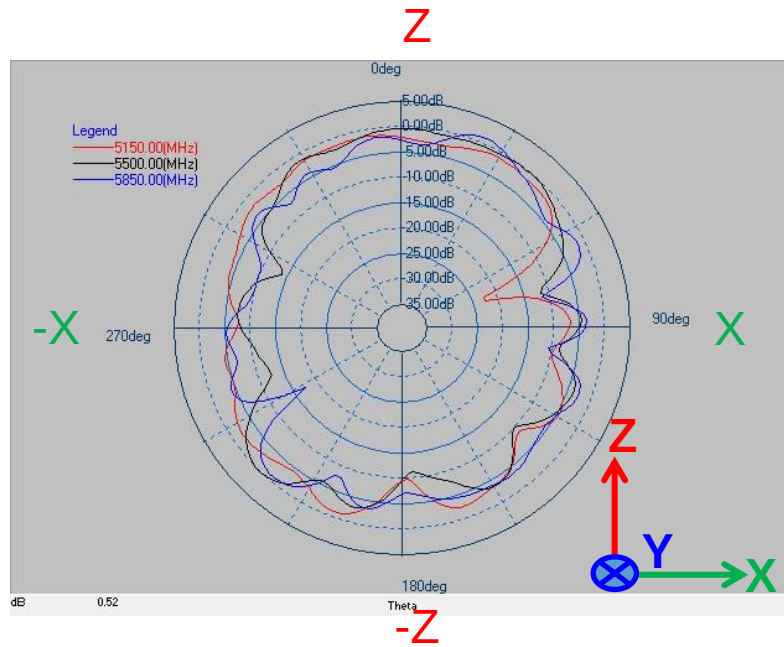
# Page 20: 2D Gain Pattern: ANT 2 @2G



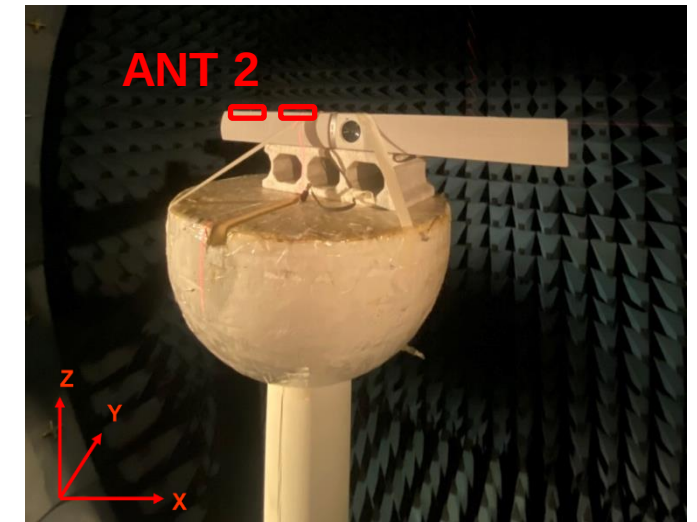
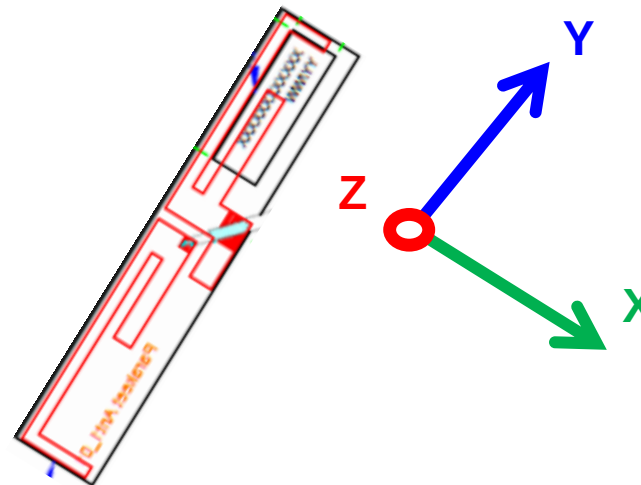
| ANT2 (2.4Ghz band) |               |           |
|--------------------|---------------|-----------|
| Frequency(Mhz)     | Efficiency(%) | Peak Gain |
| 2400               | 49.88         | 2.33      |
| 2450               | 52.91         | 3.02      |
| 2500               | 53.33         | 2.66      |



# Page 21: 2D Gain Pattern: ANT 2 @5G

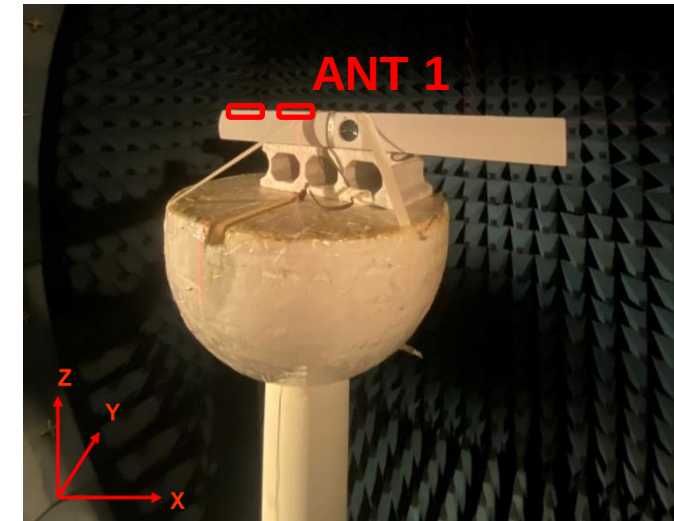
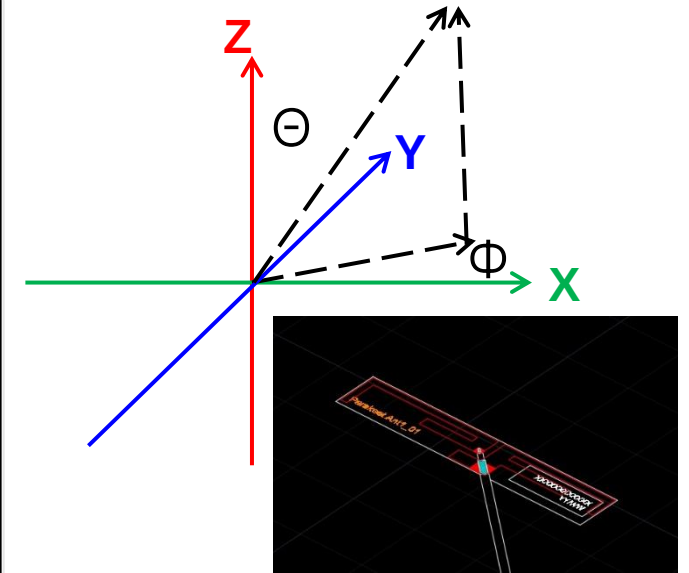
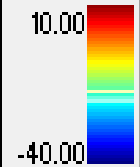
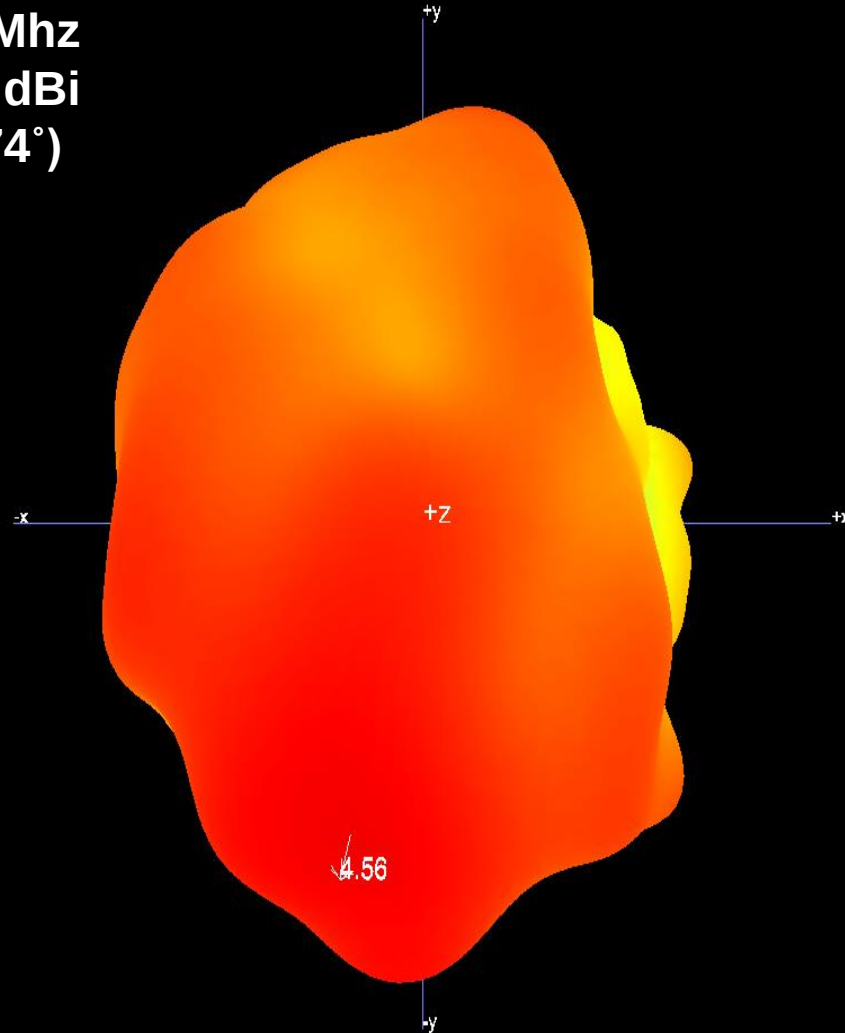


| ANT2 (5Ghz band) |               |           |
|------------------|---------------|-----------|
| Frequency(Mhz)   | Efficiency(%) | Peak Gain |
| 5150             | 40.01         | 3.14      |
| 5500             | 33.93         | 3.25      |
| 5850             | 37.98         | 4.12      |



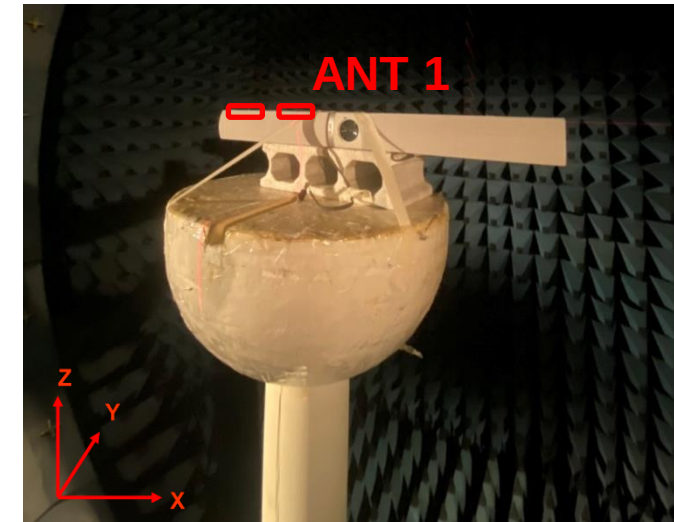
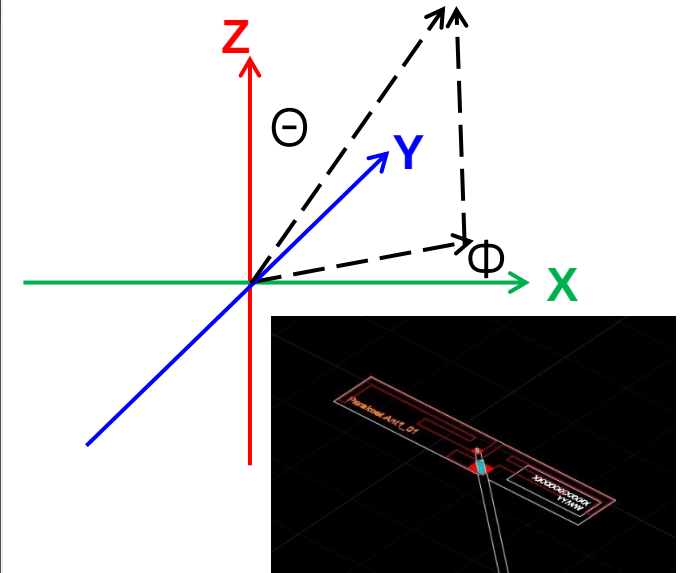
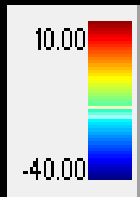
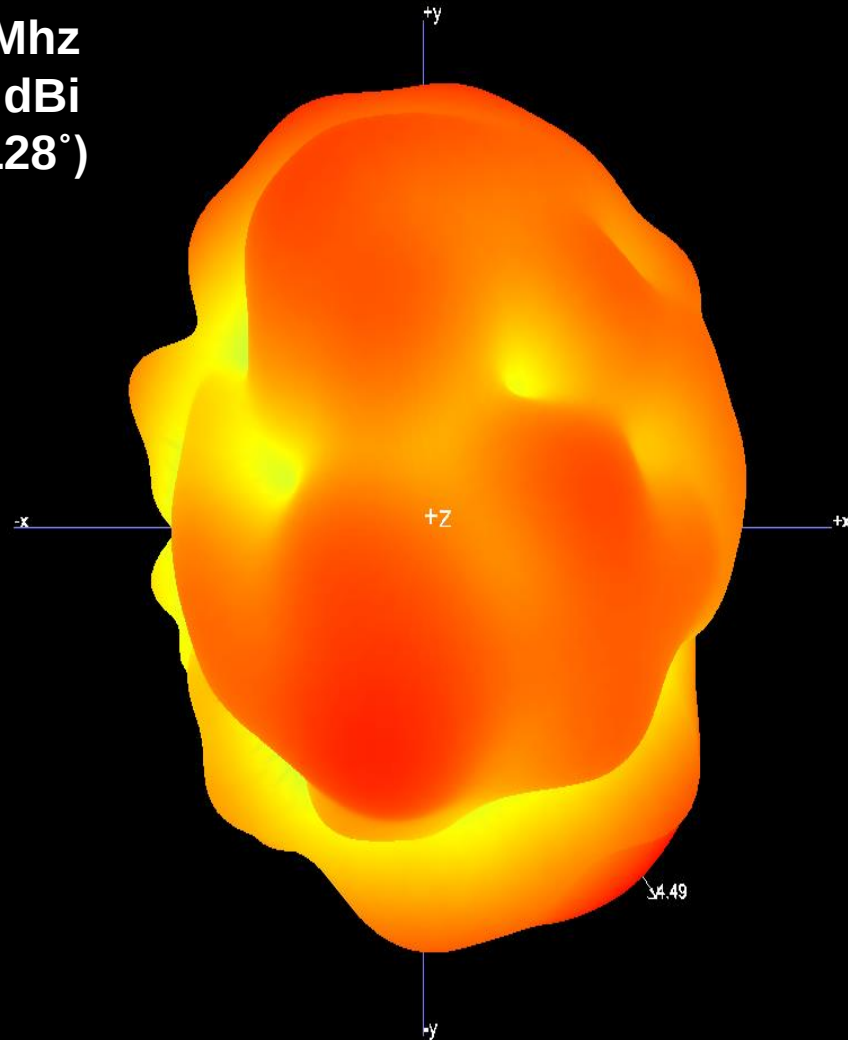
# 3D Gain Pattern \_@ANT 1\_2440MHz

Frequency: 2440Mhz  
Peak Gain : 4.56 dBi  
@ ( $\theta = 330^\circ$ ,  $\phi = 74^\circ$ )



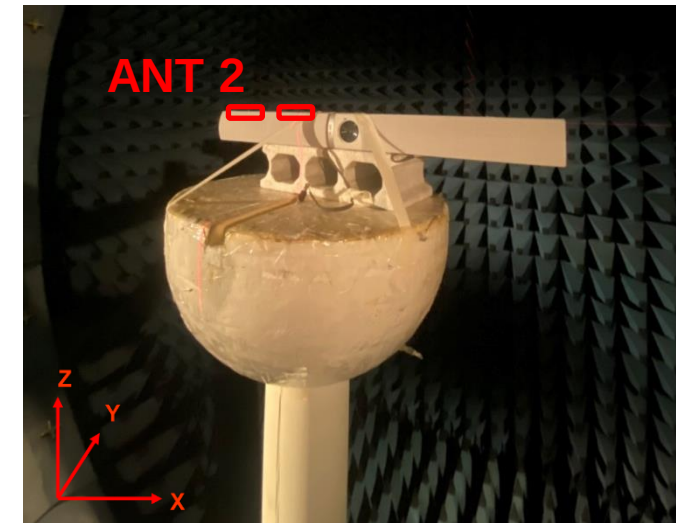
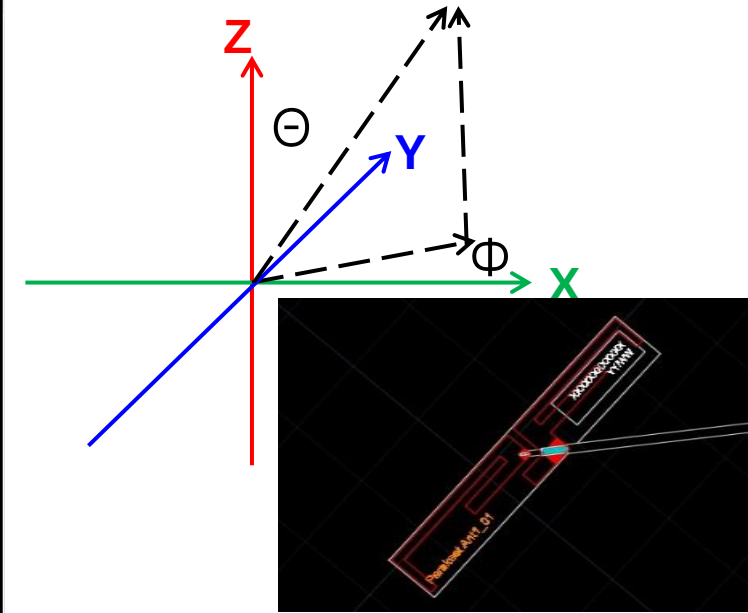
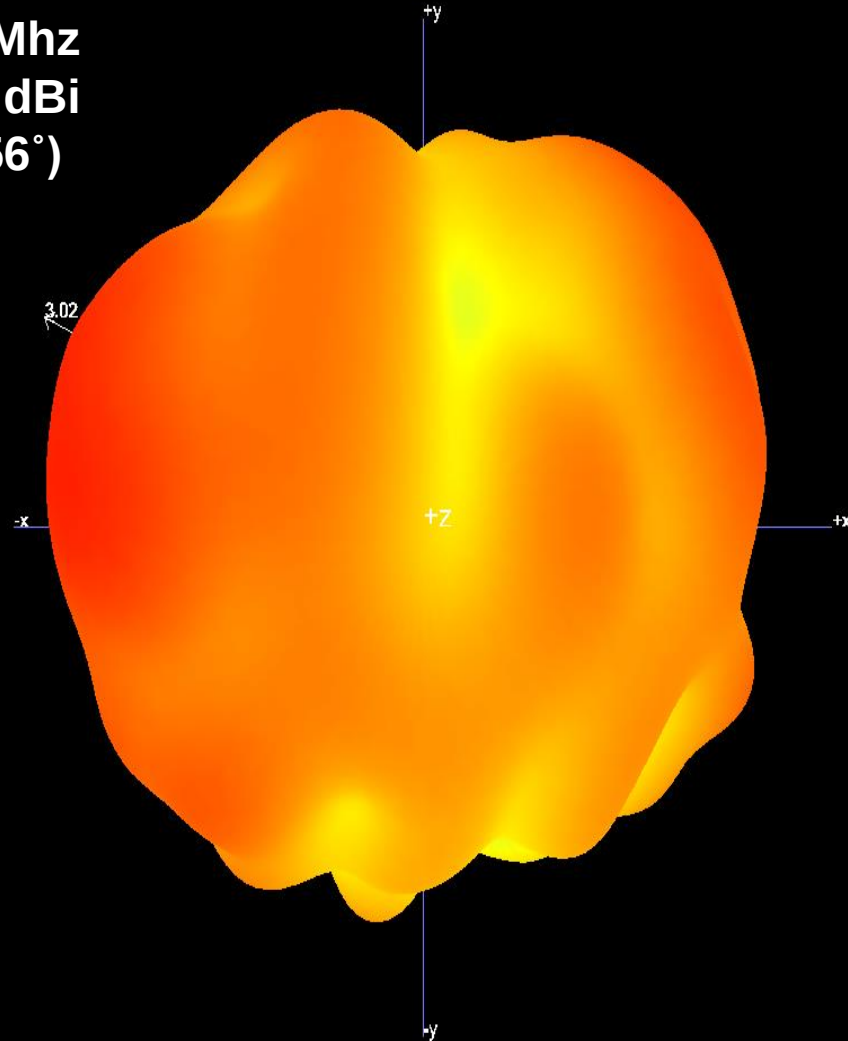
# 3D Gain Pattern \_@ANT 1\_5650MHz

Frequency: 5650Mhz  
Peak Gain : 4.49 dBi  
@ ( $\theta = 260^\circ$ ,  $\phi = 128^\circ$ )



# 3D Gain Pattern \_@ANT 2\_2450MHz

Frequency: 2450Mhz  
Peak Gain : 3.02 dBi  
@ ( $\theta = 88^\circ$ ,  $\phi = 156^\circ$ )



# 3D Gain Pattern \_@ANT 2\_5750MHz

Frequency: 5750Mhz  
Peak Gain : 4.13 dBi  
@ ( $\theta = 140^\circ$ ,  $\phi = 26^\circ$ )

