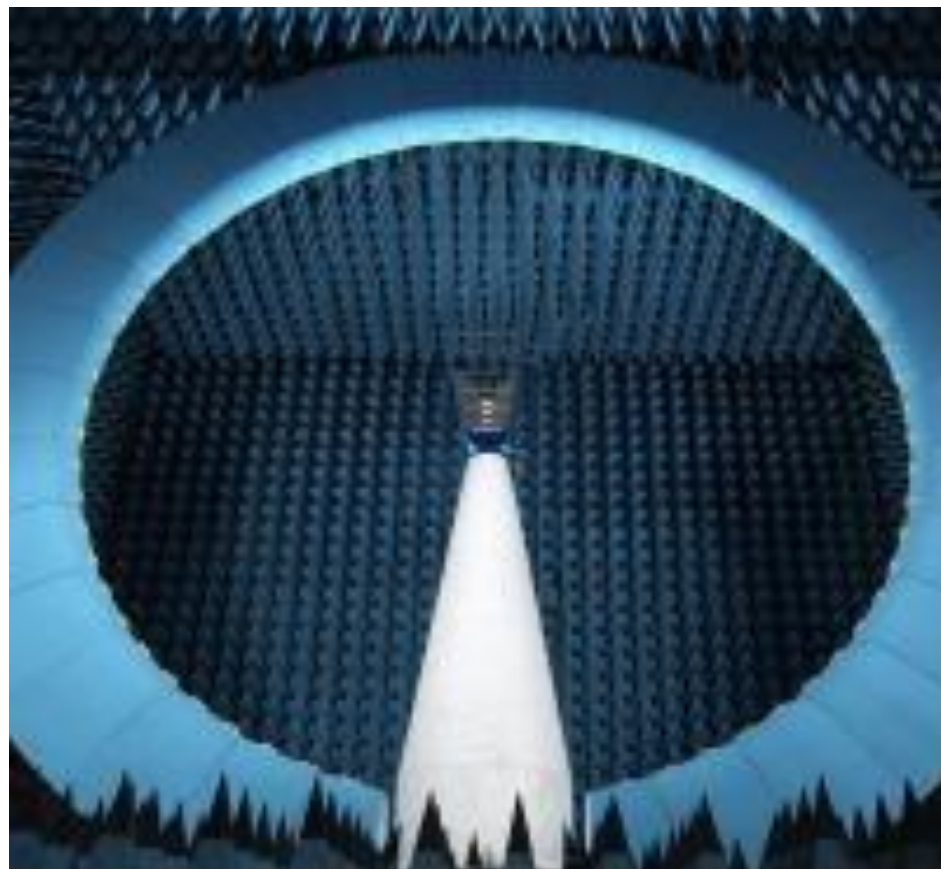


# **Pages reference for short time confidential**

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

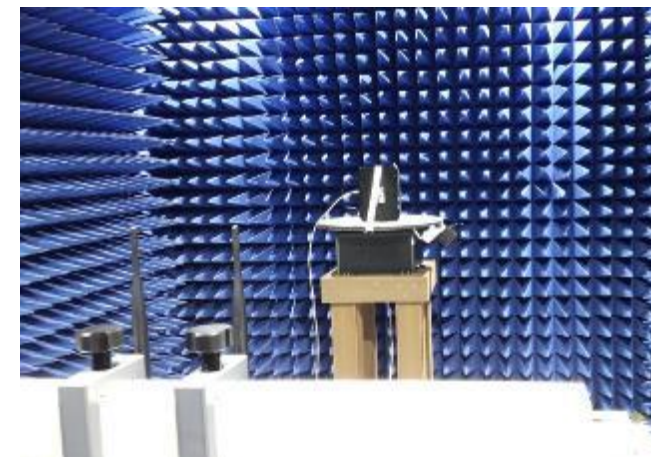
Passive /Active antenna testing



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



Thought put testing

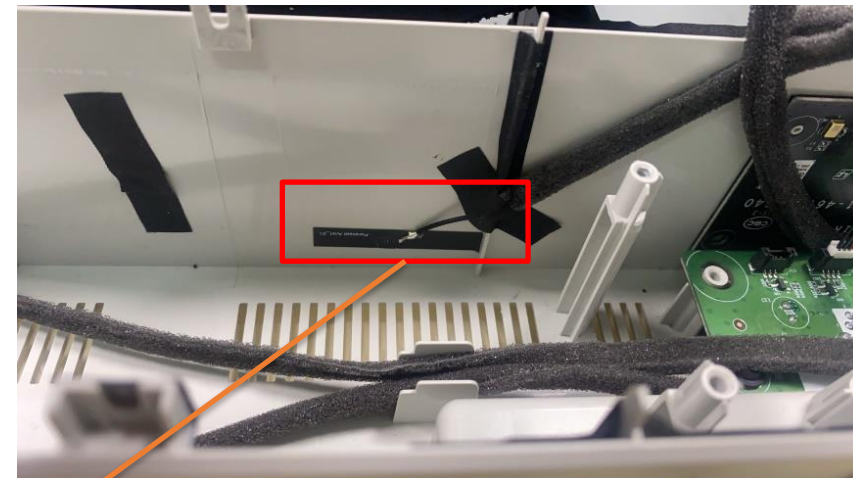
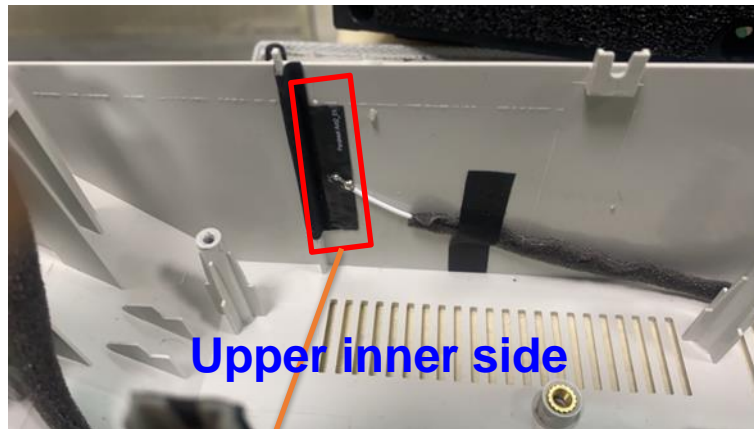


Antenna tuning and matching



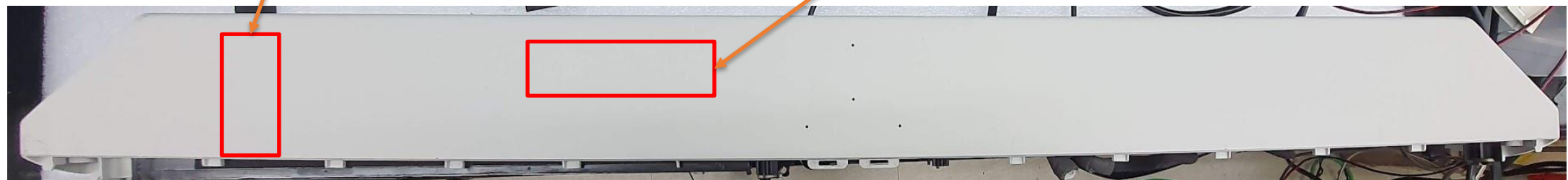
Keysight E5071C ENA 9 kHz 至 8.5 GHz

# Page 12: Antenna's location

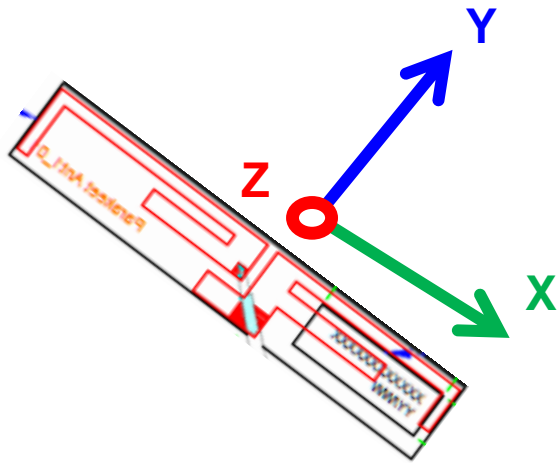


ANT 2 Cable : 670mm

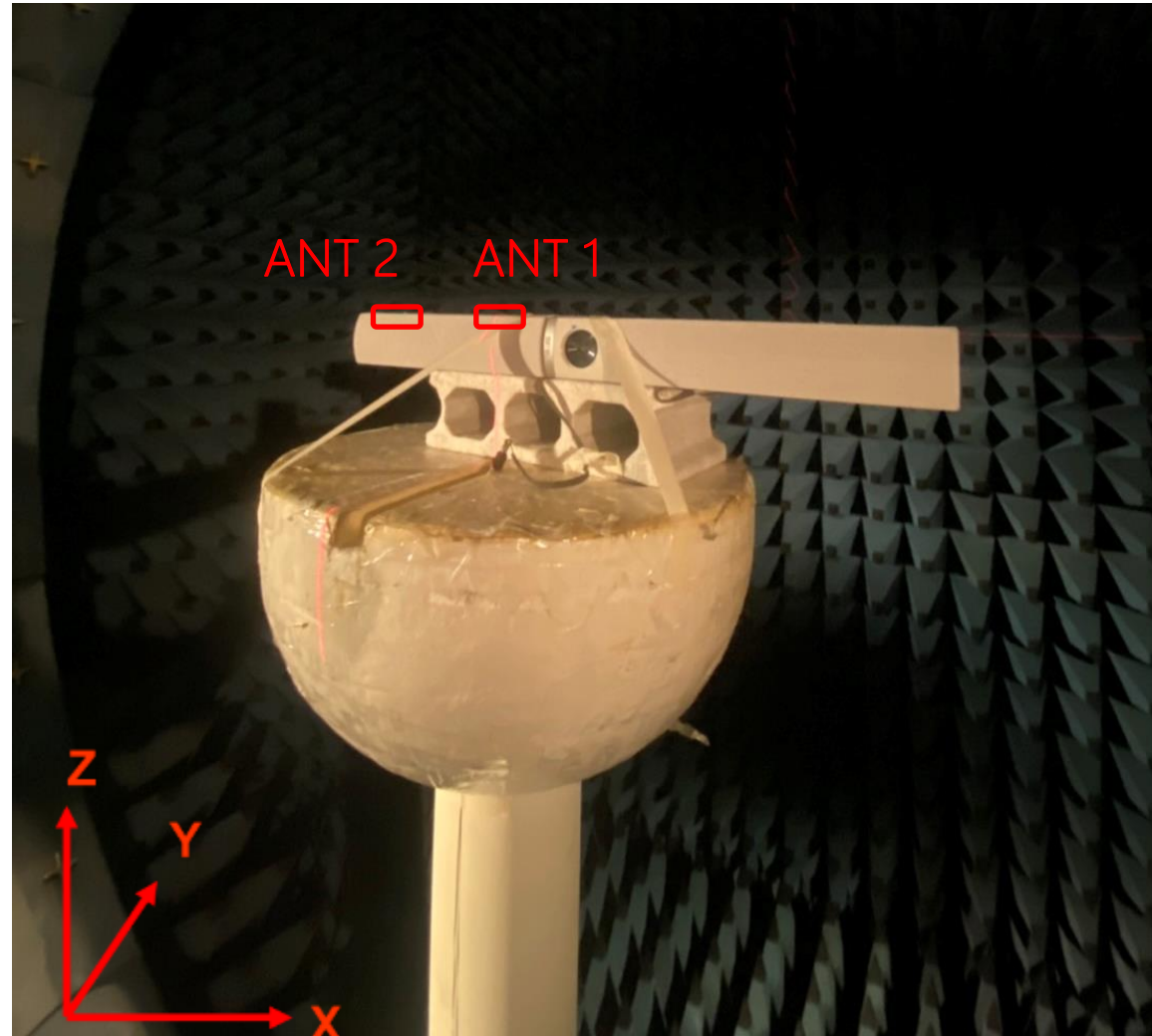
ANT 1 Cable : 450mm



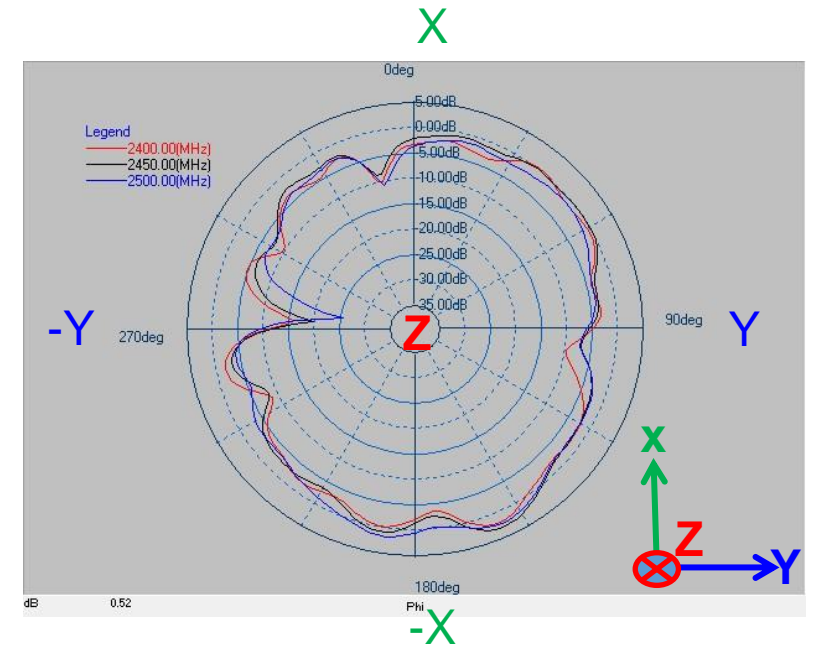
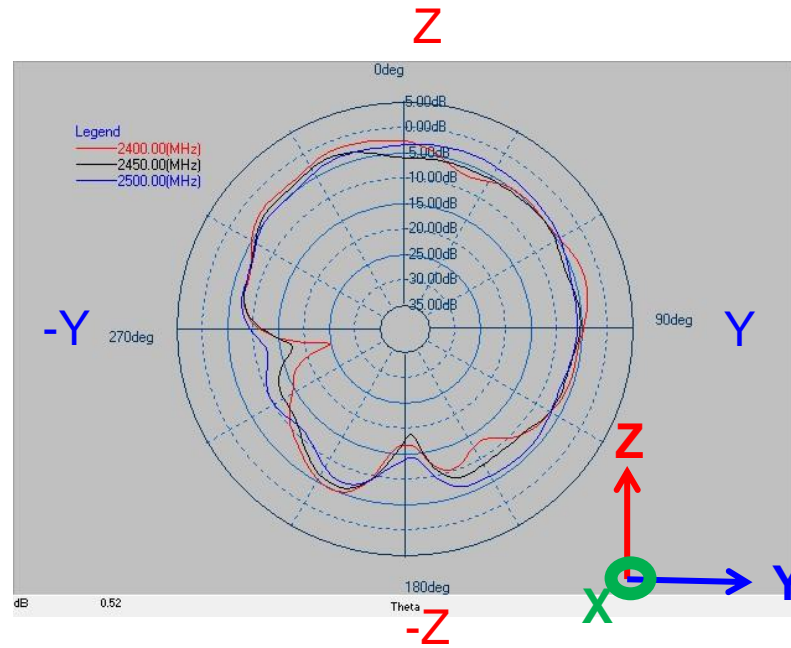
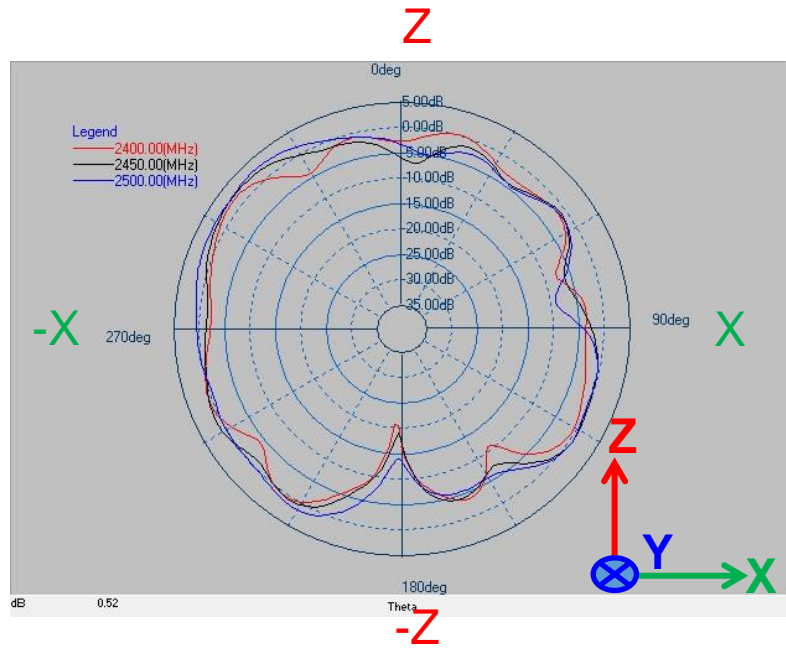
Top View



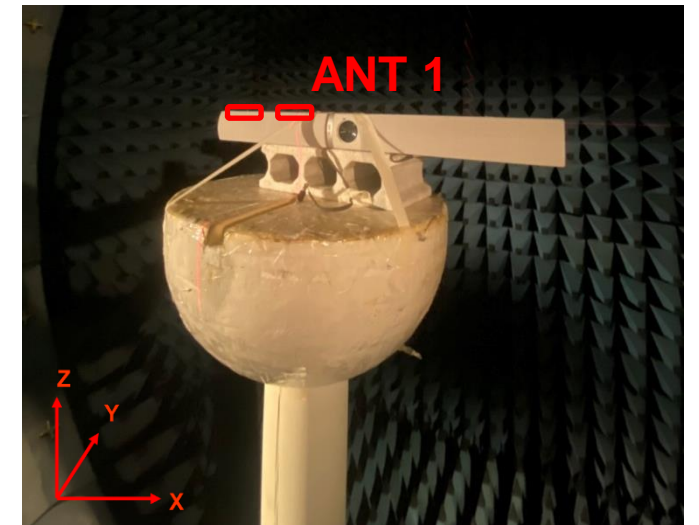
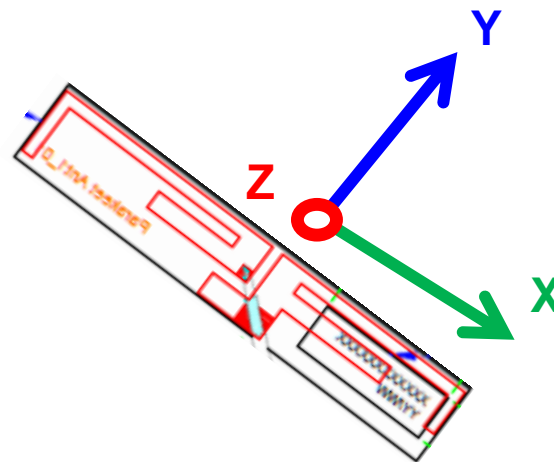
PS: ANT1 center and ANT2 center is not the same. That is , The measurement points are at the center of the respective antennas.



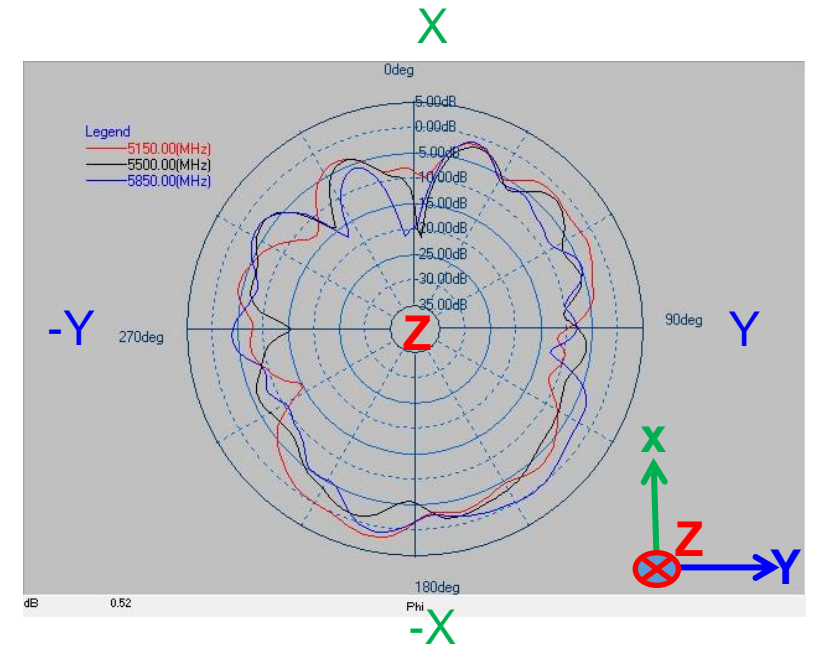
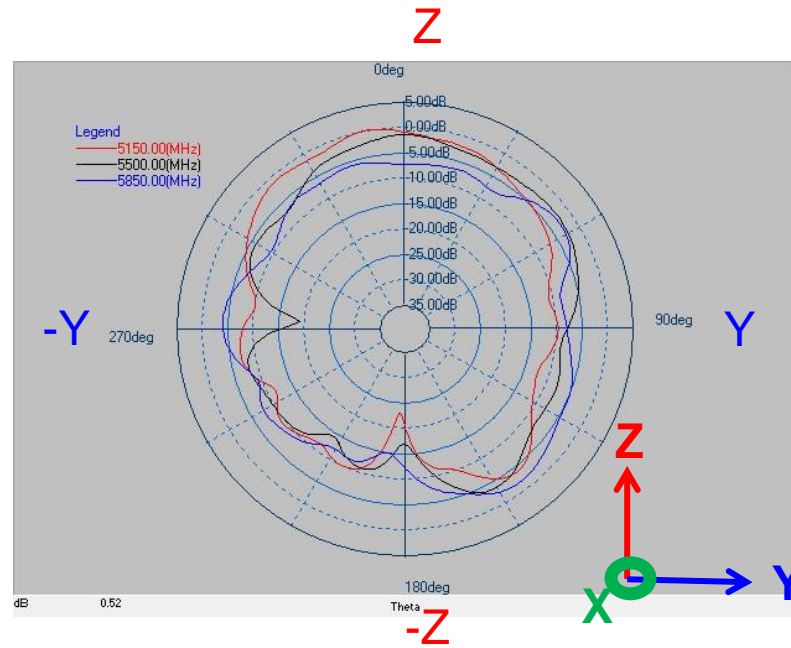
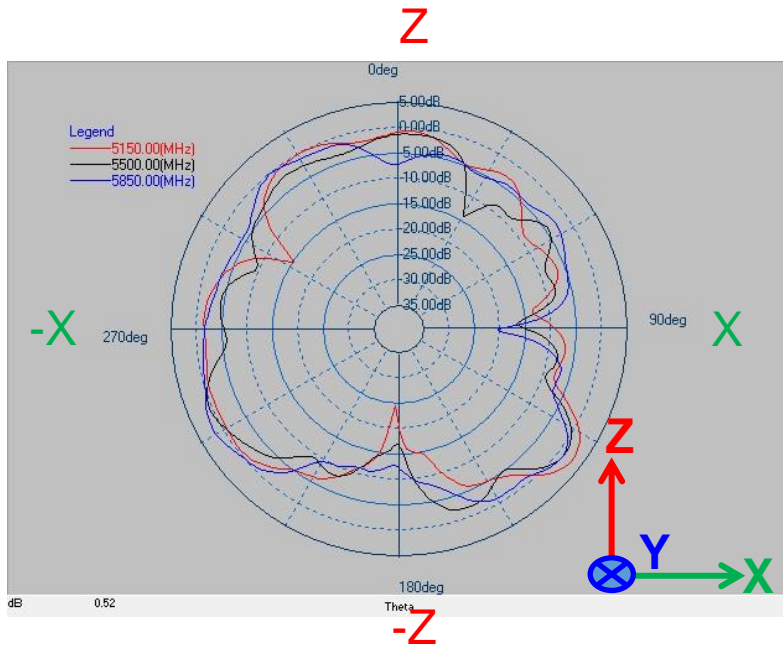
# Page 18: 2D Gain Pattern: ANT 1 @2G



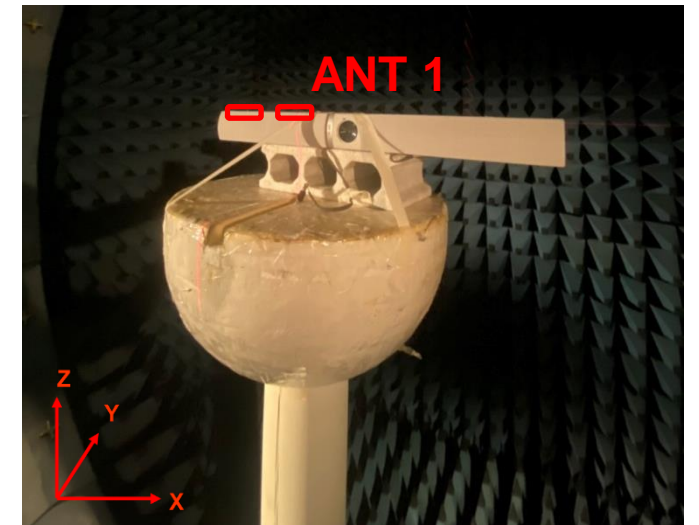
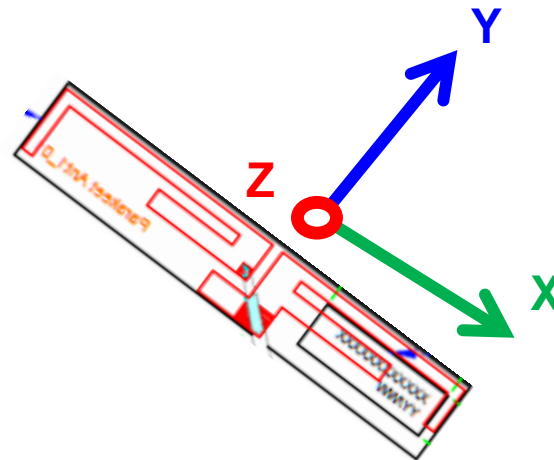
ANT1 (2.4Ghz band)		
Frequency(Mhz)	Efficiency(%)	Peak Gain
2400	58.91	4.09
2450	63.05	4.54
2500	60.21	4.41



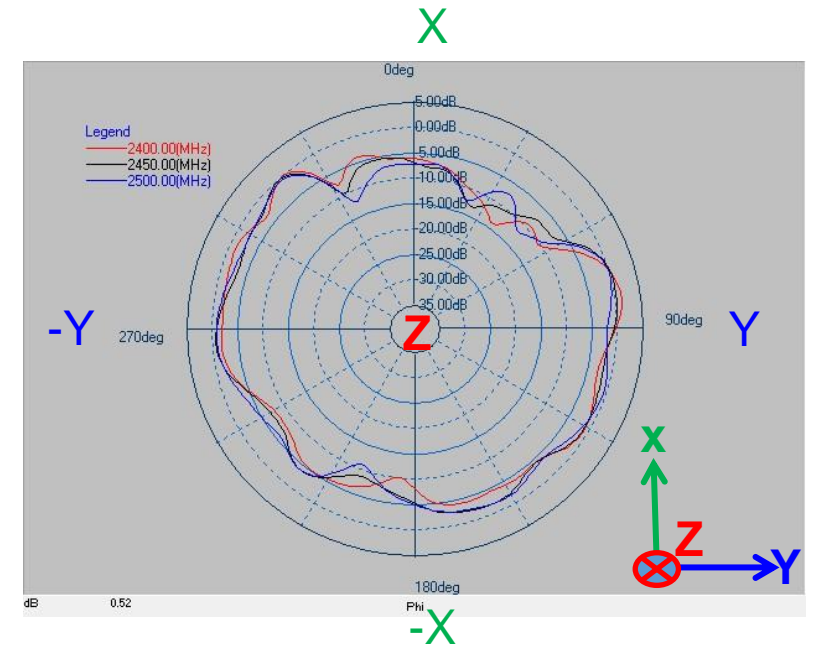
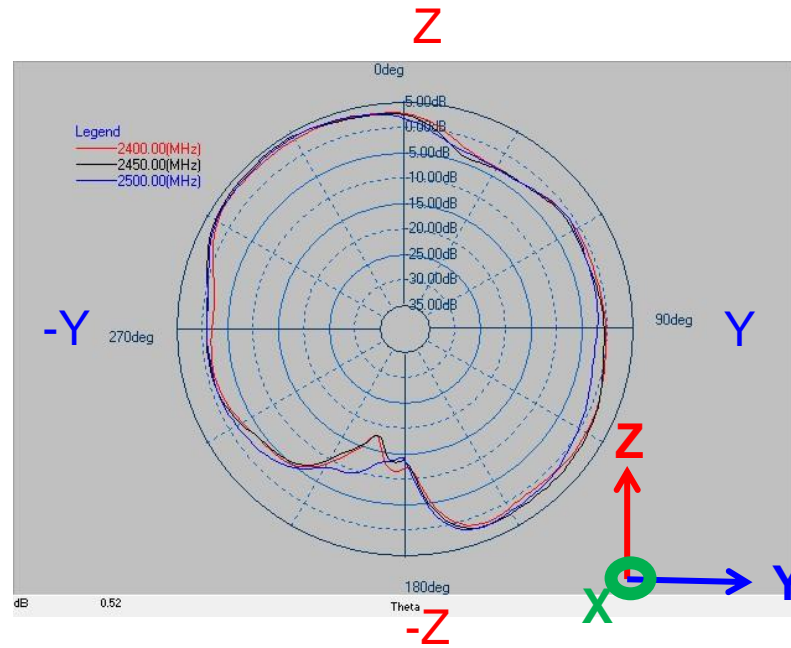
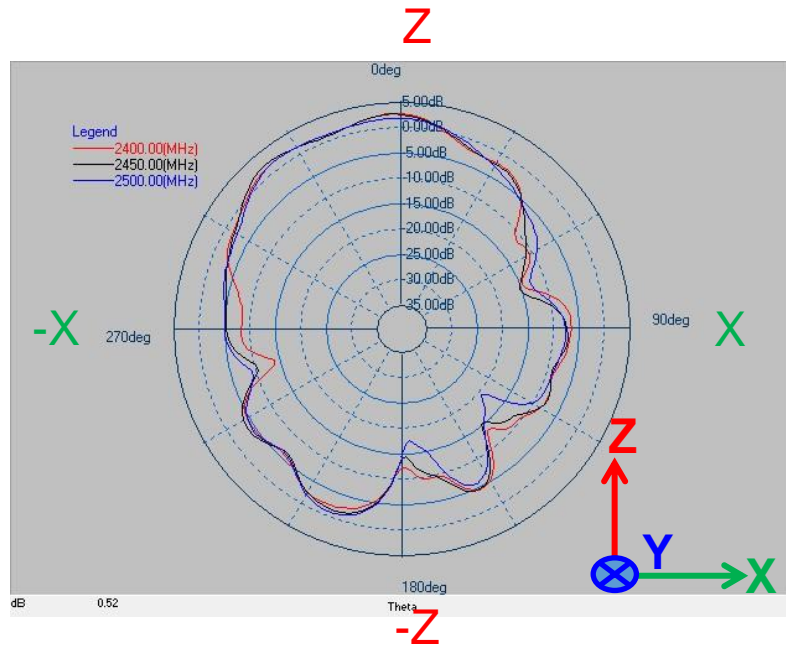
# Page 19: 2D Gain Pattern: ANT 1 @5G



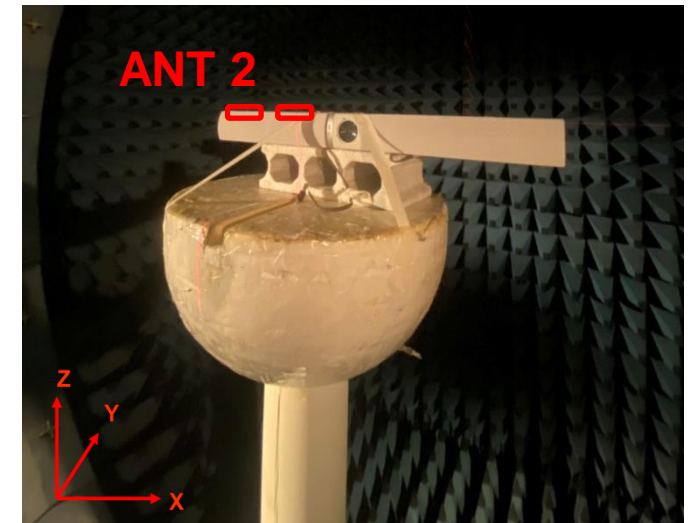
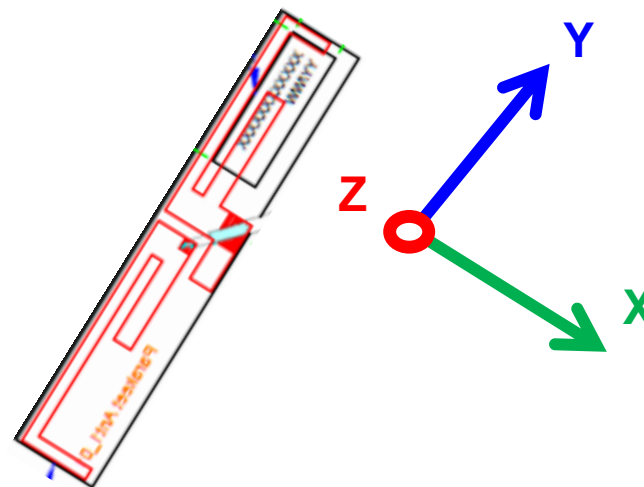
ANT1 (5Ghz band)		
Frequency(Mhz)	Efficiency(%)	Peak Gain
5150	53.07	2.70
5500	50.39	3.50
5850	51.01	2.96



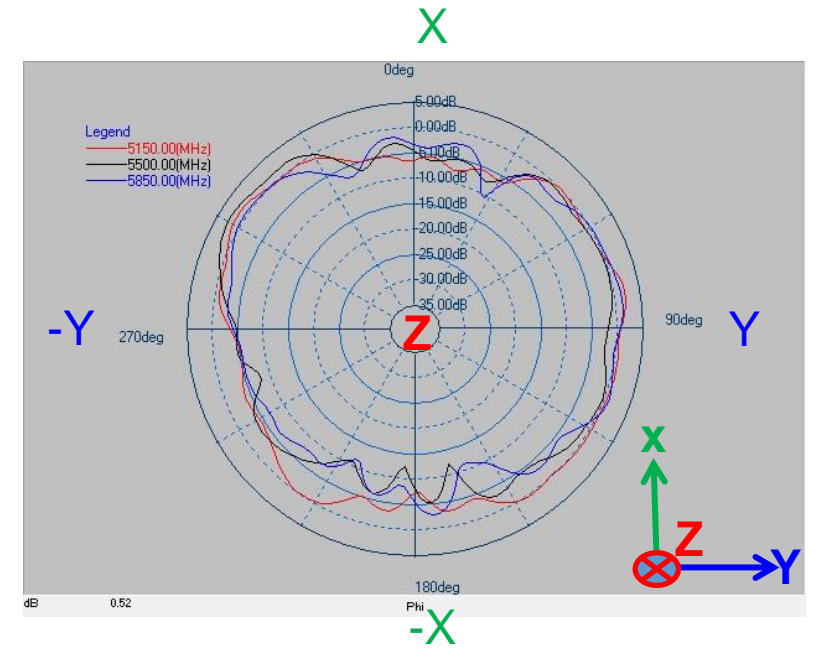
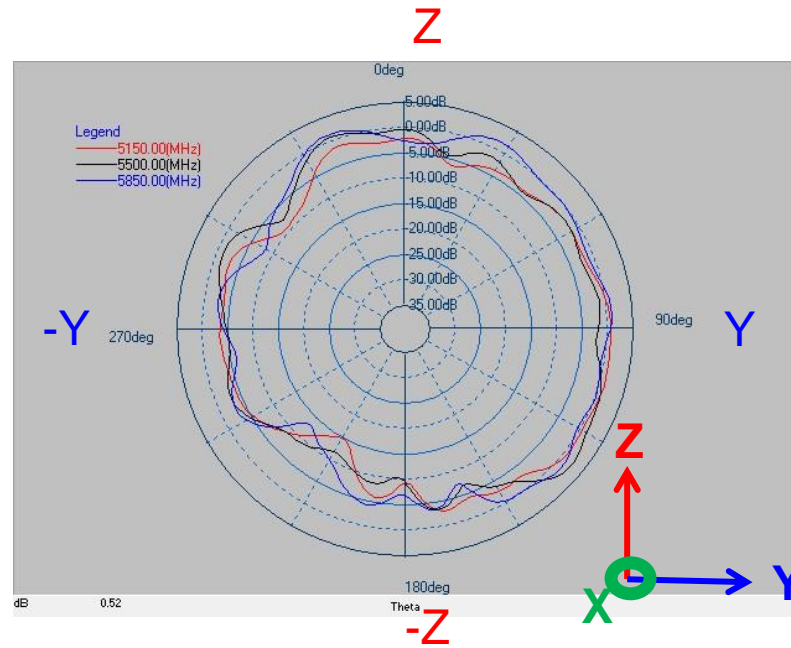
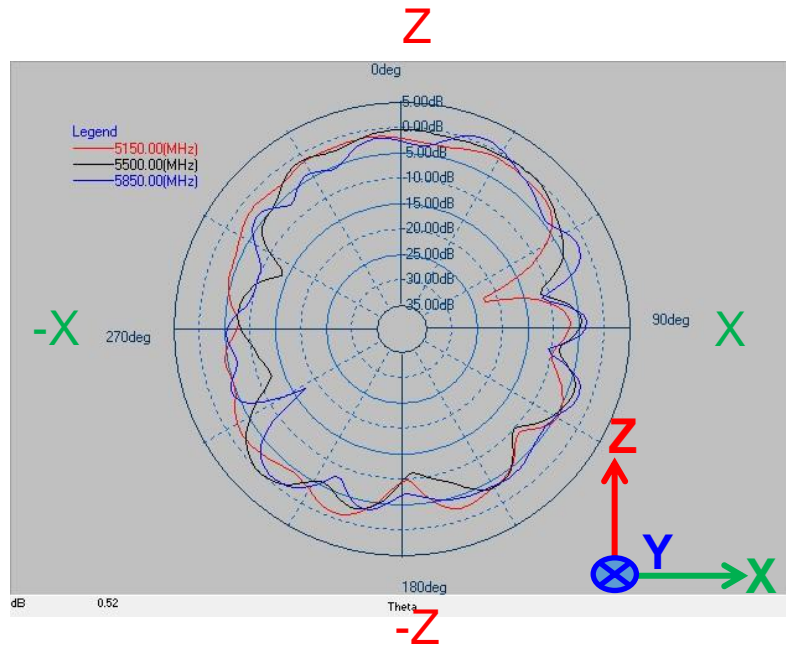
# Page 20: 2D Gain Pattern: ANT 2 @2G



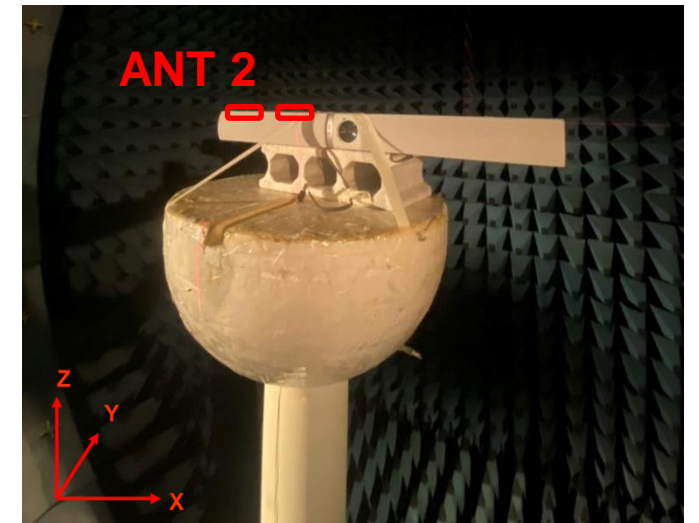
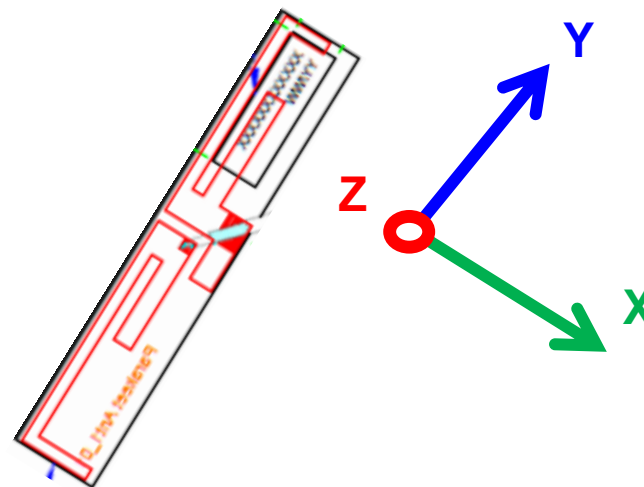
ANT2 (2.4Ghz band)		
Frequency(Mhz)	Efficiency(%)	Peak Gain
2400	49.88	2.33
2450	52.91	3.02
2500	53.33	2.66



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



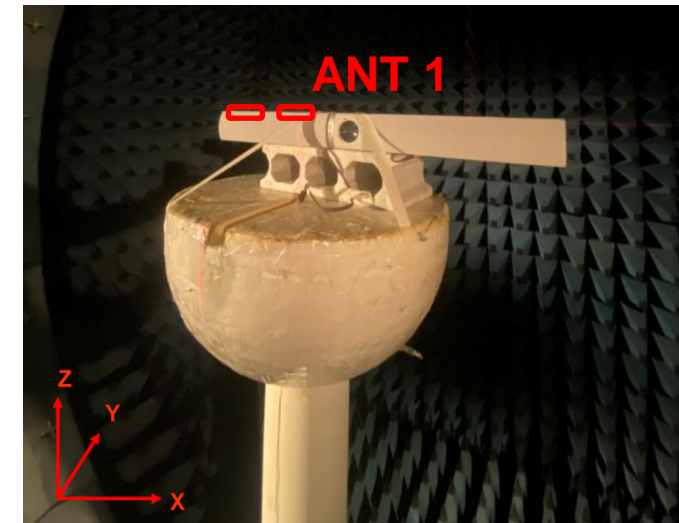
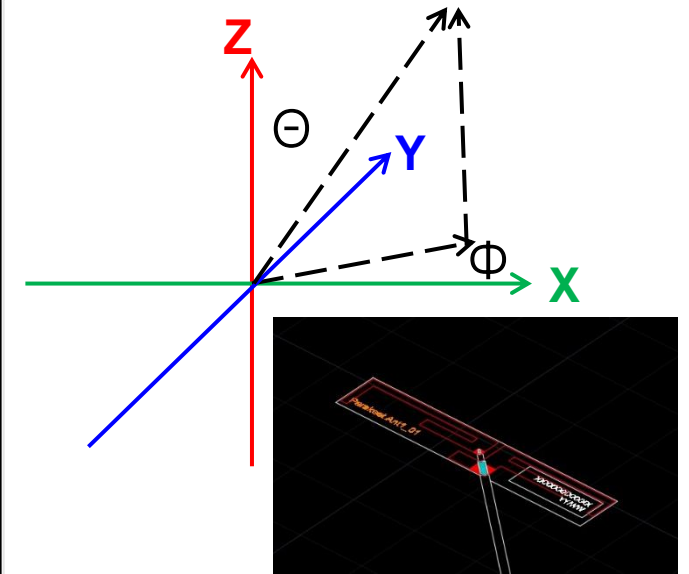
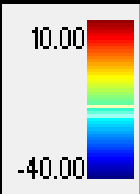
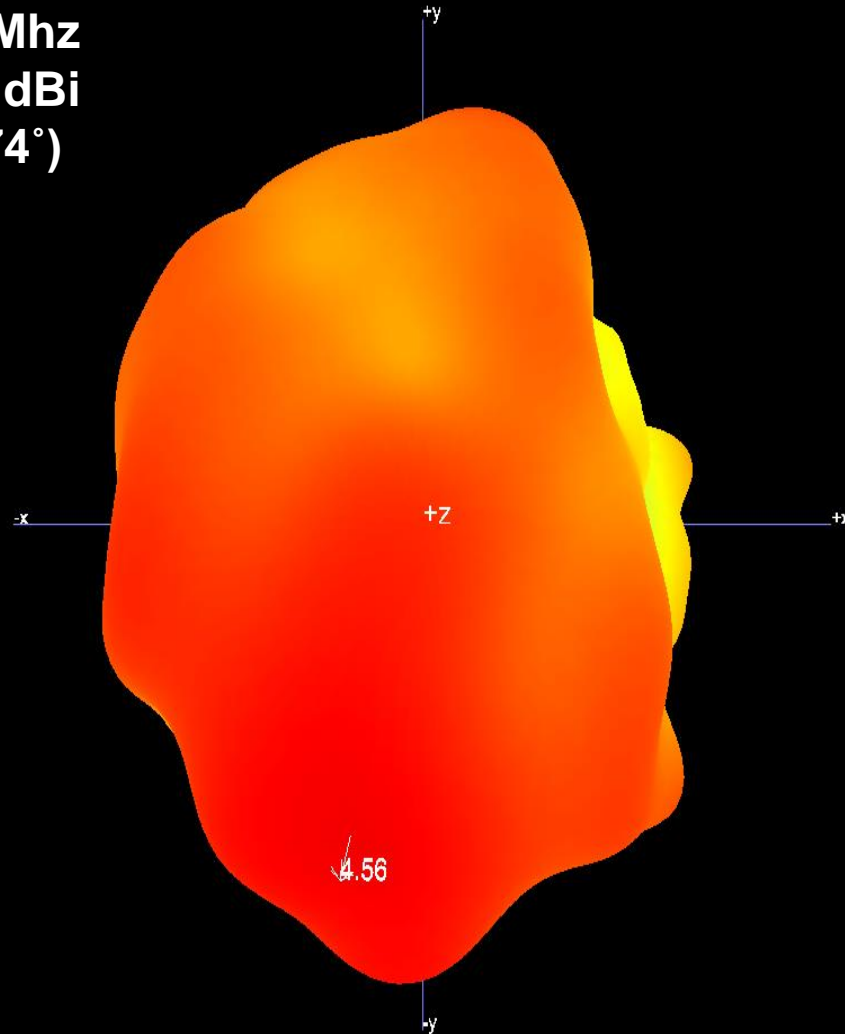
ANT2 (5Ghz band)		
Frequency(Mhz)	Efficiency(%)	Peak Gain
5150	40.01	3.14
5500	33.93	3.25
5850	37.98	4.12





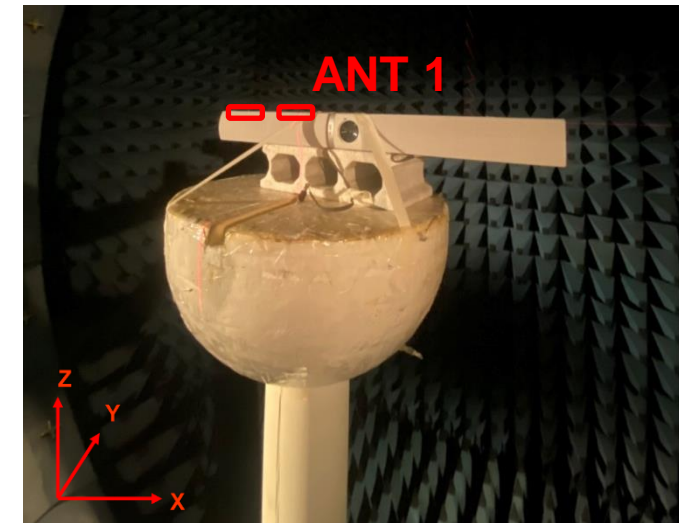
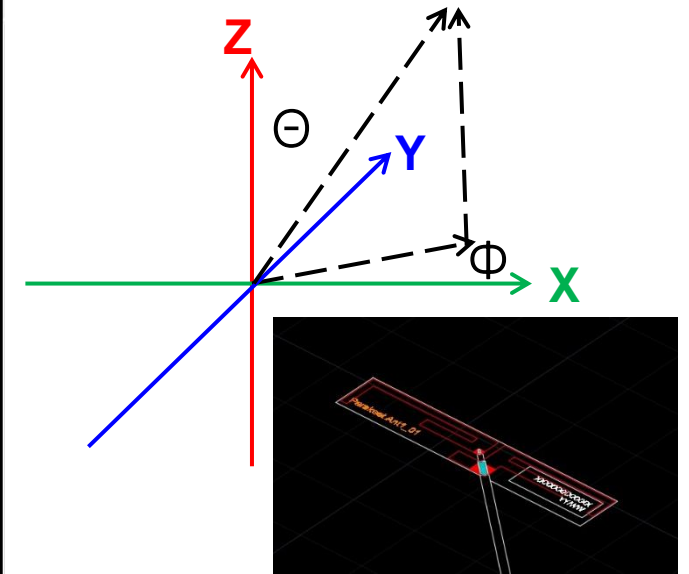
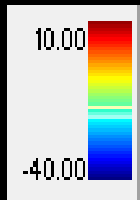
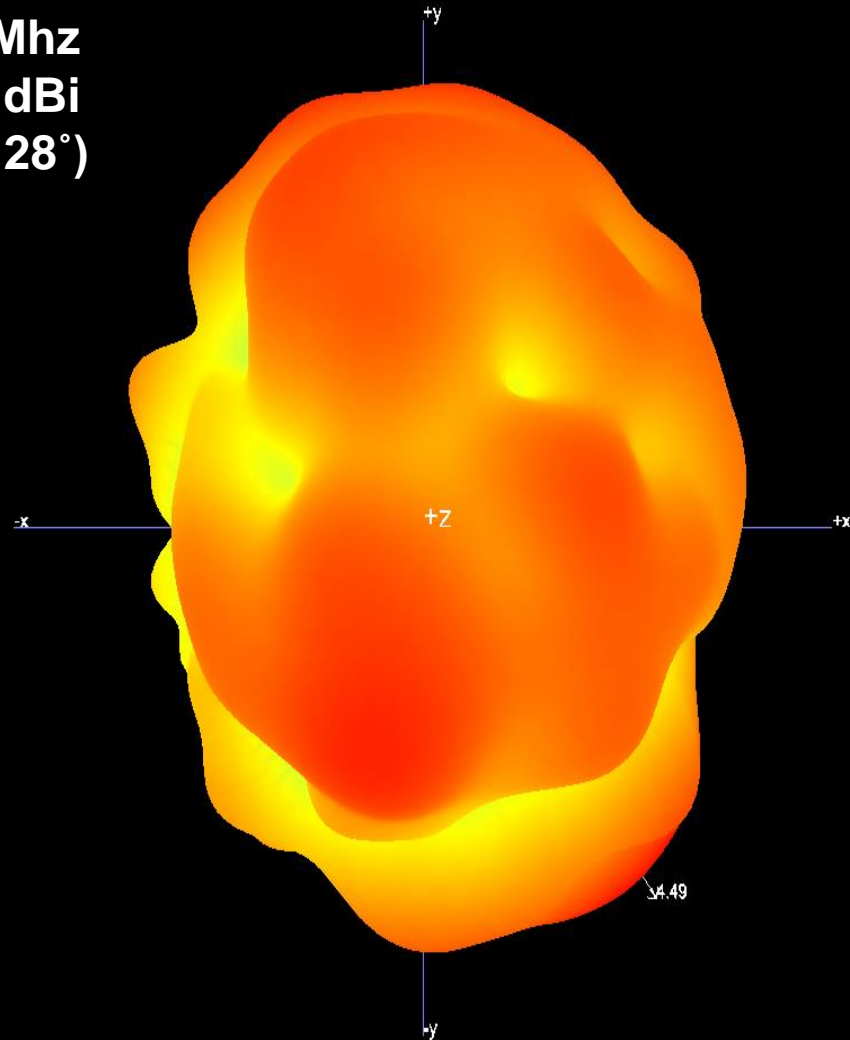
# 3D Gain Pattern @ANT 1\_2440MHz

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



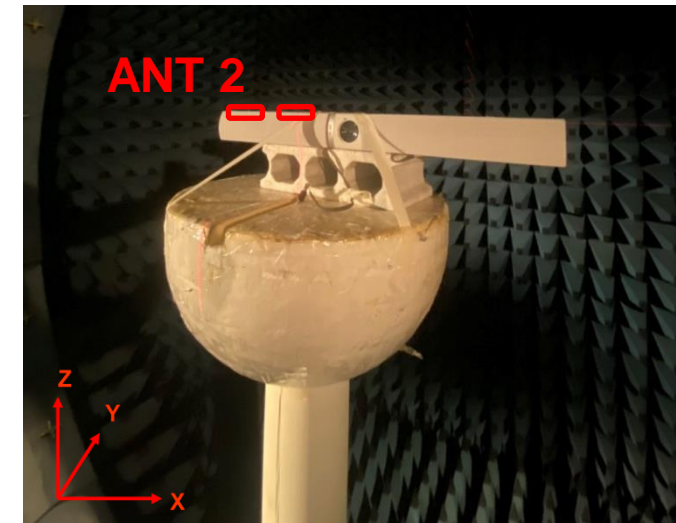
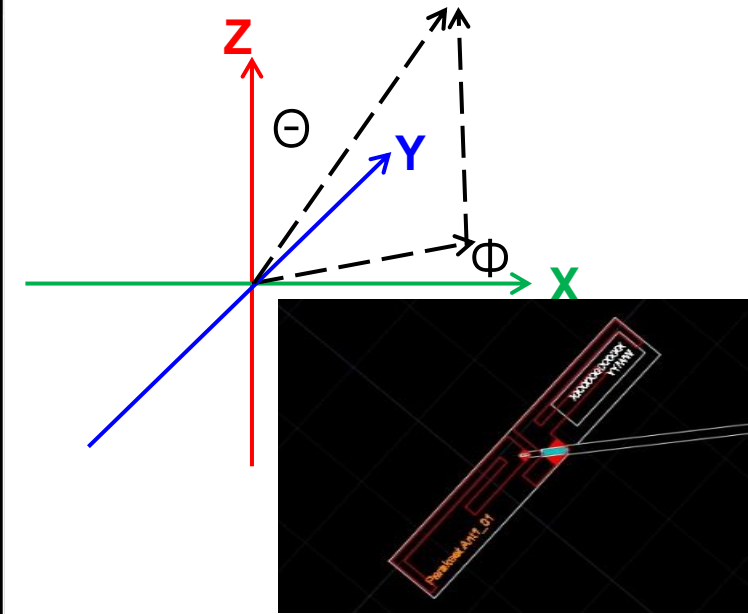
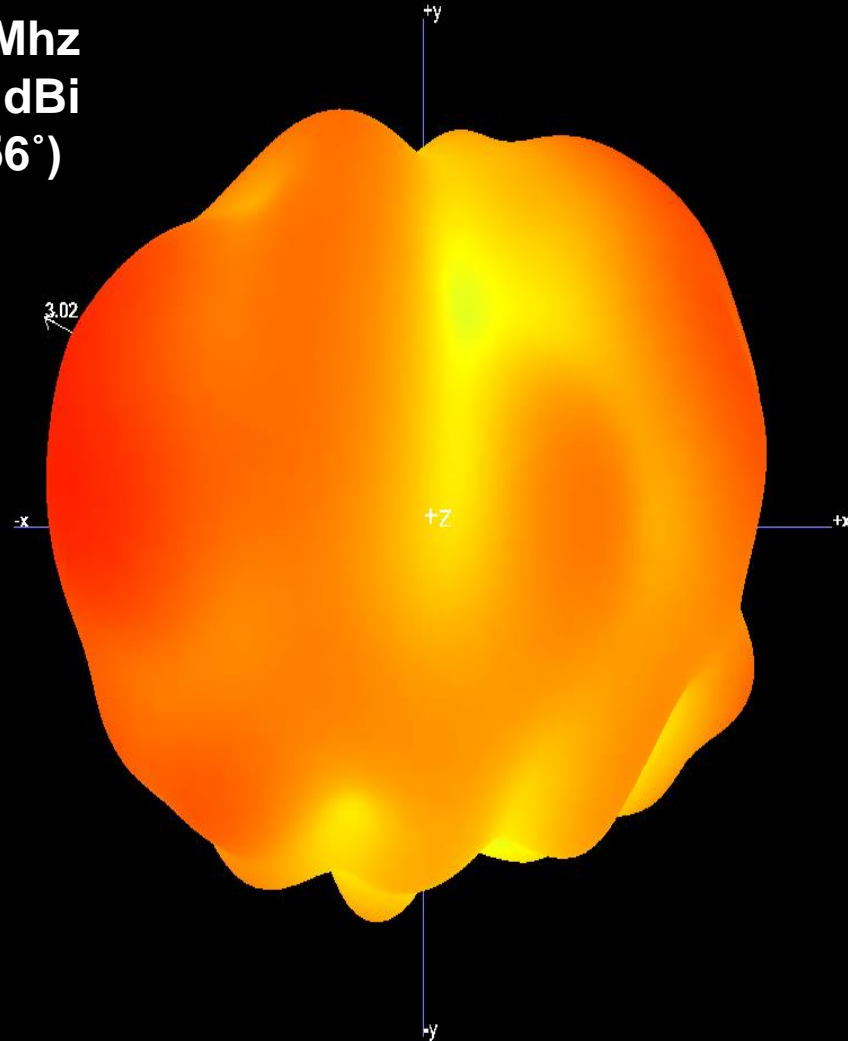
# 3D Gain Pattern @ANT 1\_5650MHz

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  
@ ( $\theta = 140^\circ$ ,  $\phi = 26^\circ$ )

