



ADVANCED WIRELESS & ANTENNA INC

We are your reliable partner
In the world of communication technology

PX6

Antenna Passive Report



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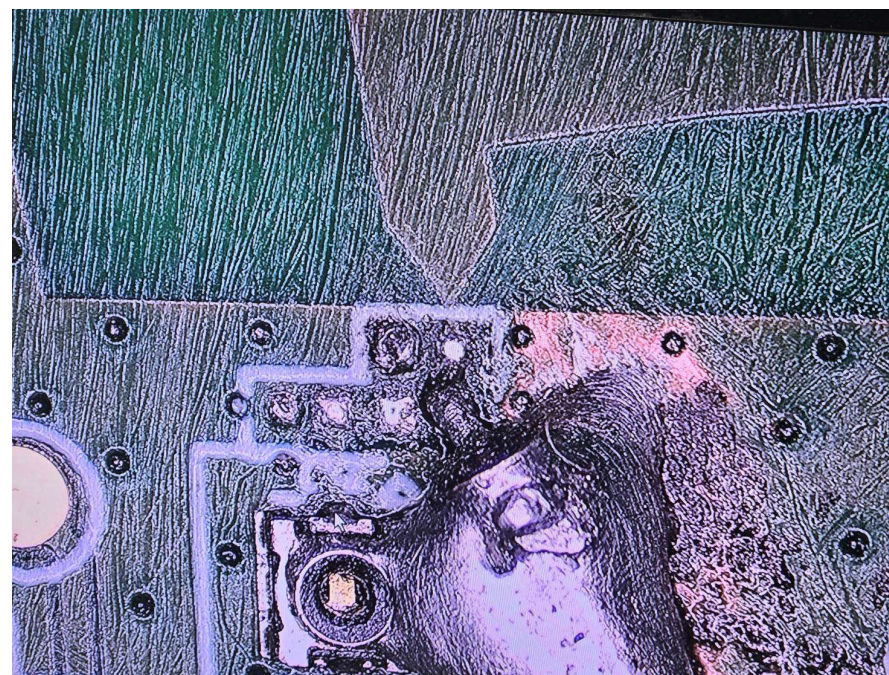
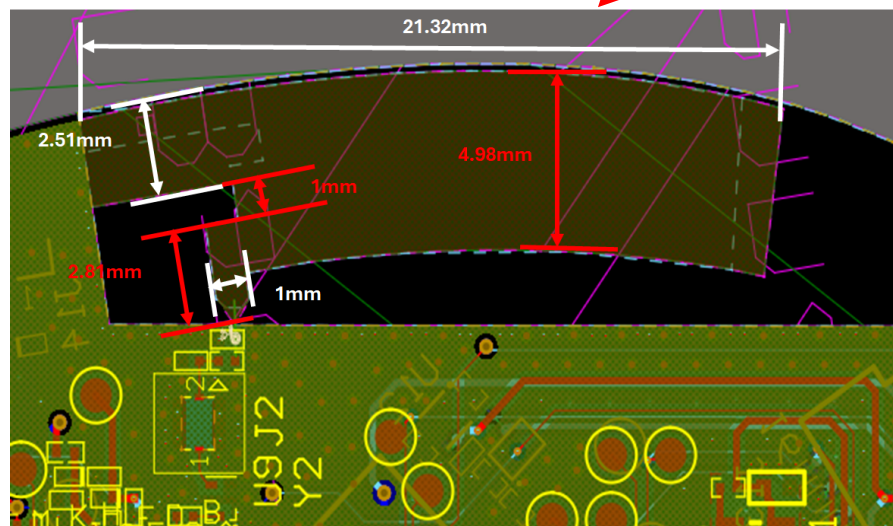


Outline

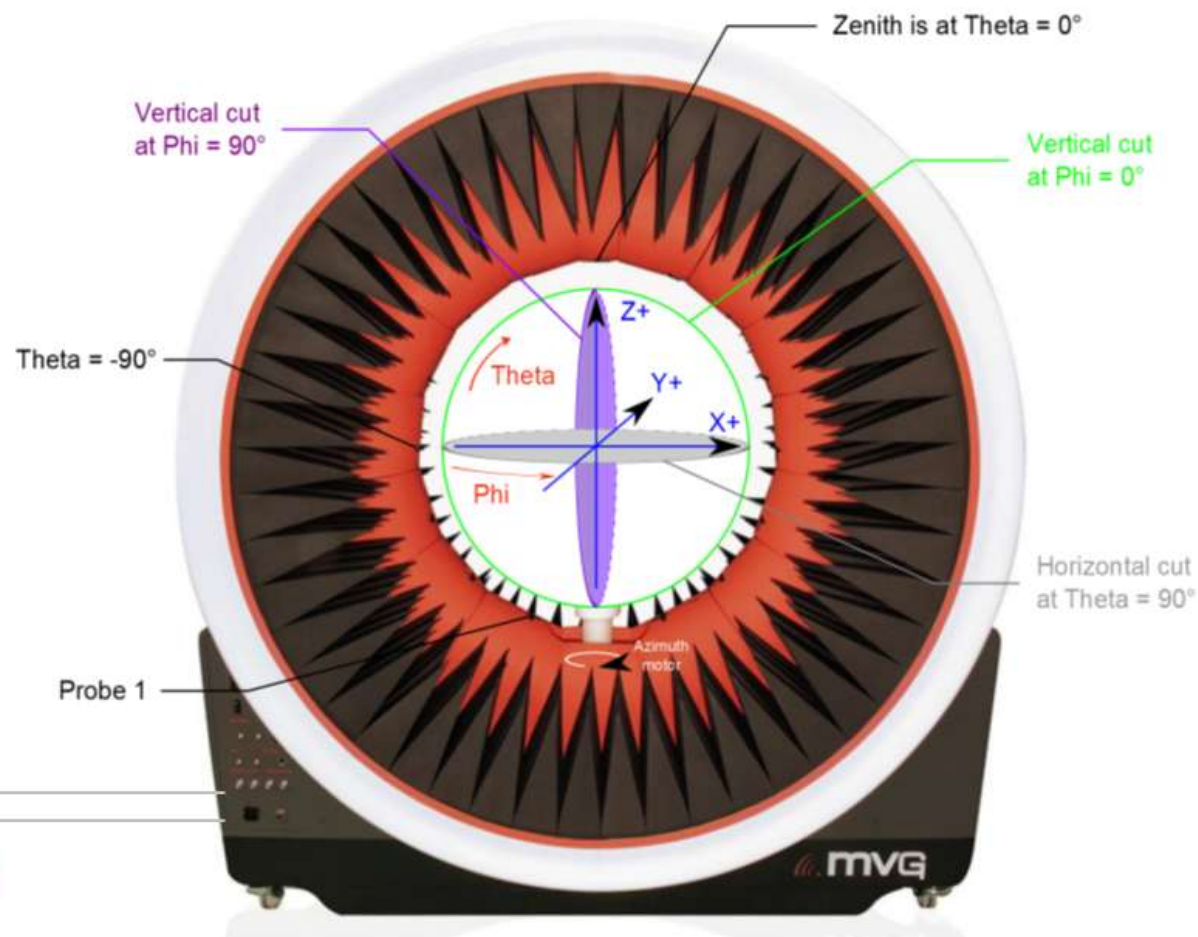
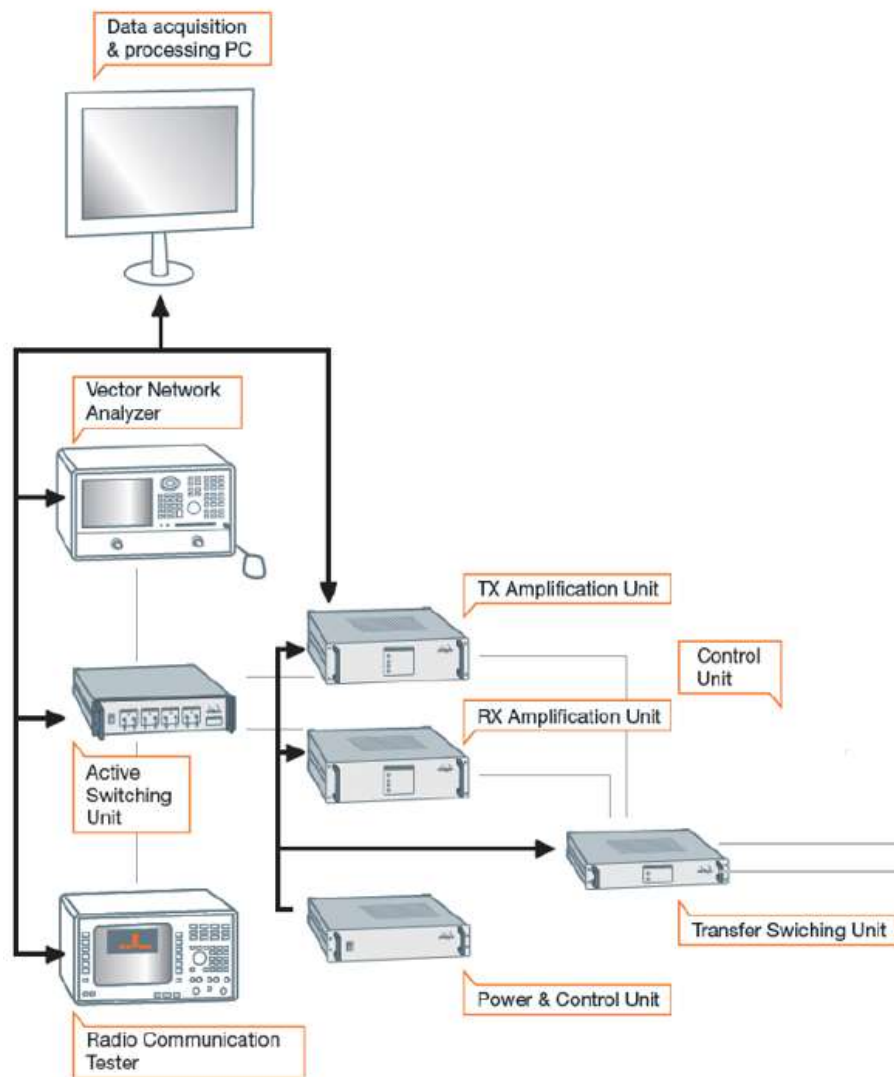
- Antenna Placement
- Return Loss
- Gain Table
- Radiation Pattern
- Summary

Antenna Placement

Antenna

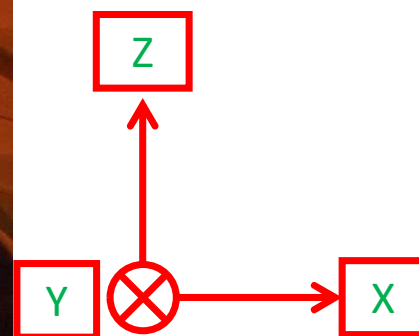
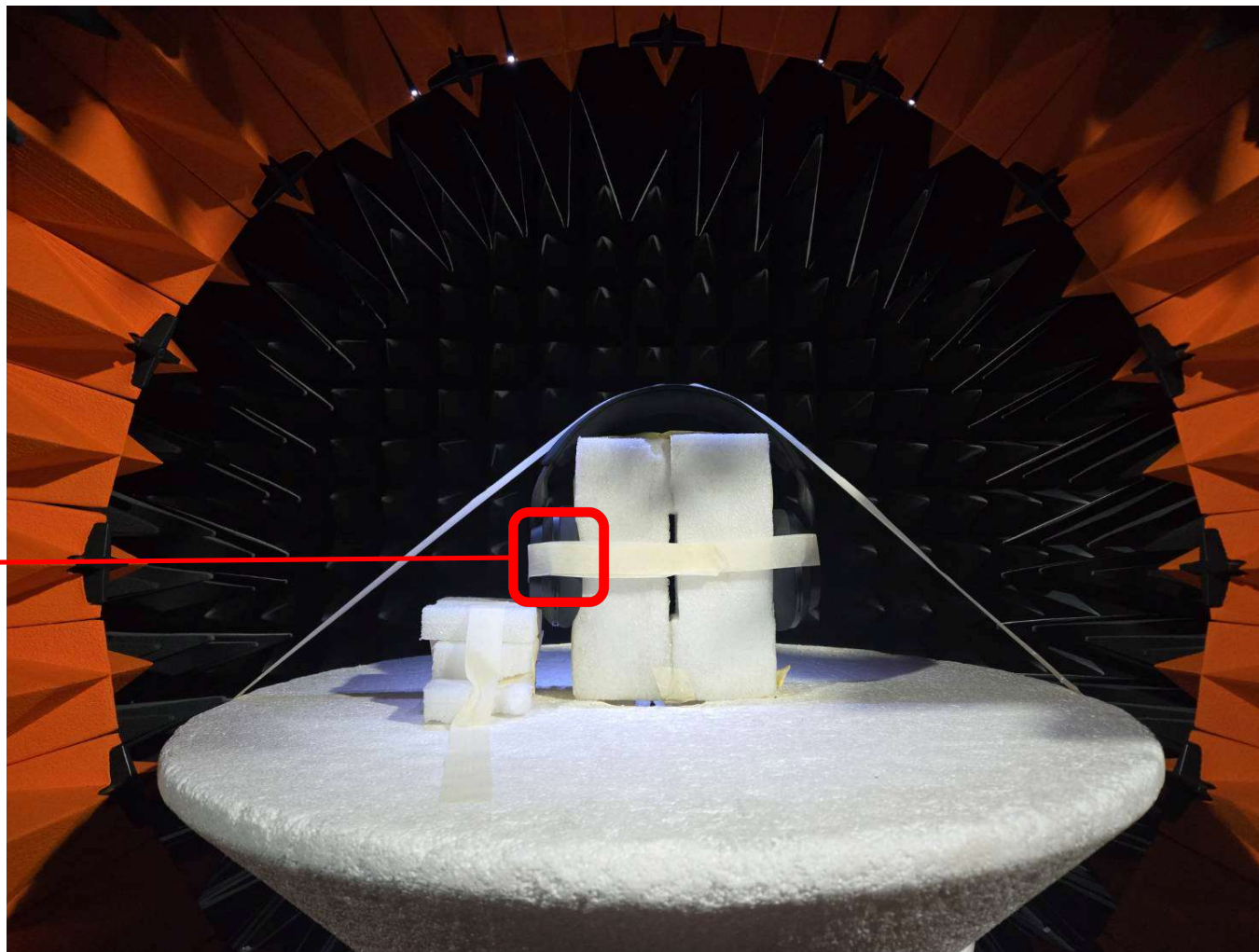


Antenna Test System



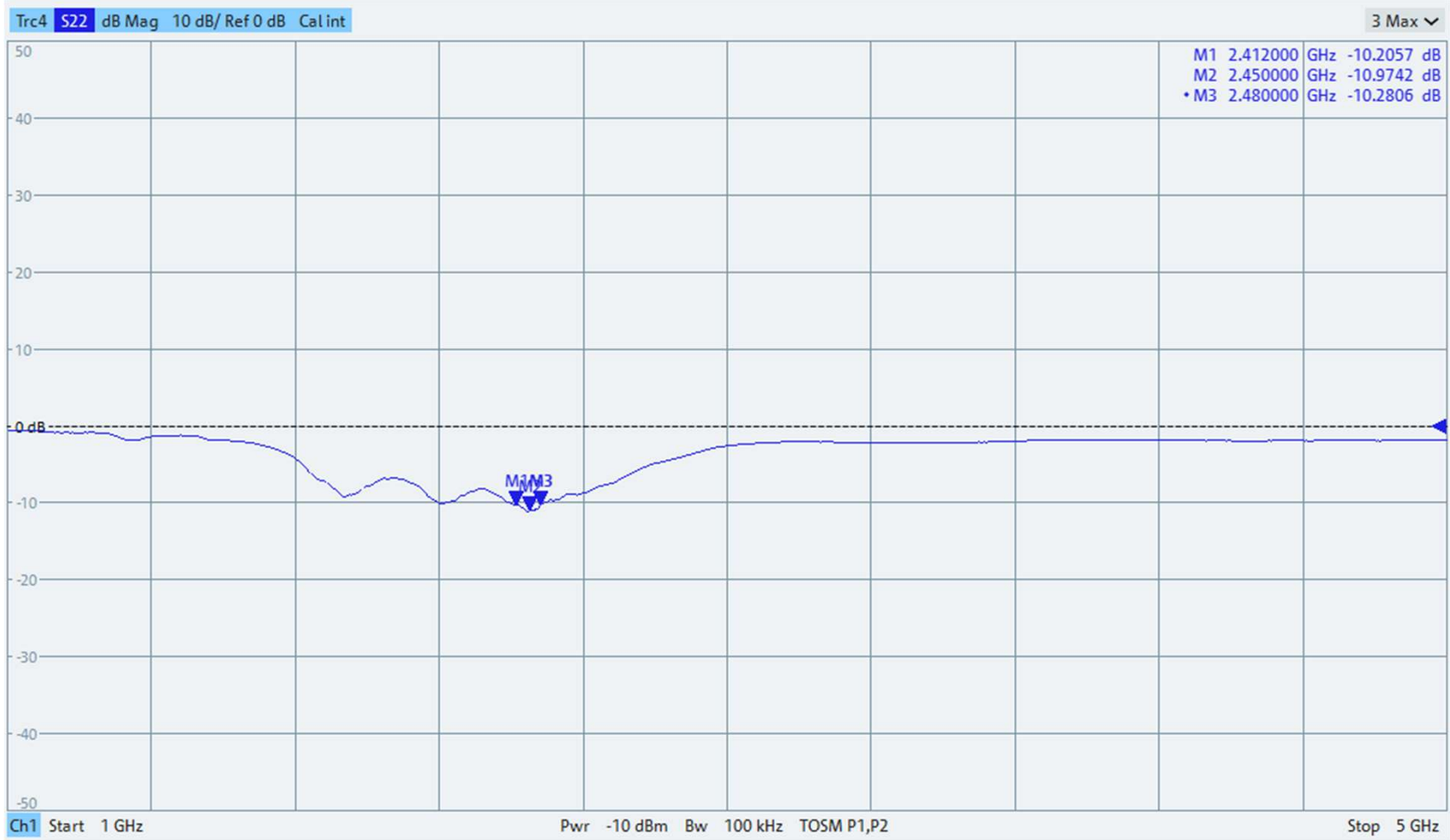
Test Step up

Antenna



S-Parameter

Antenna

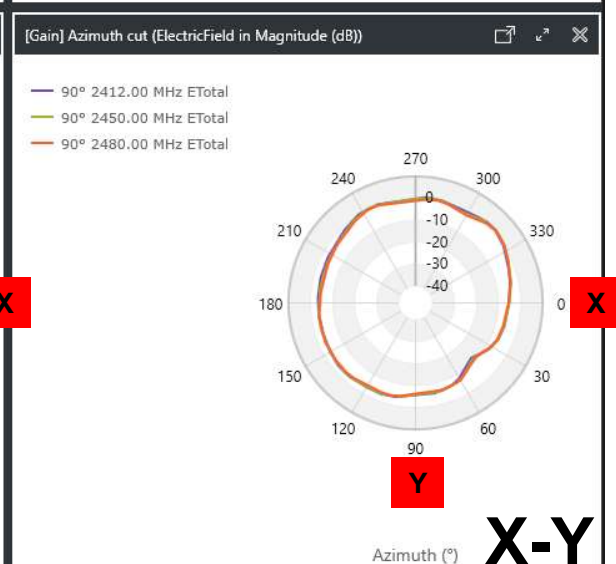
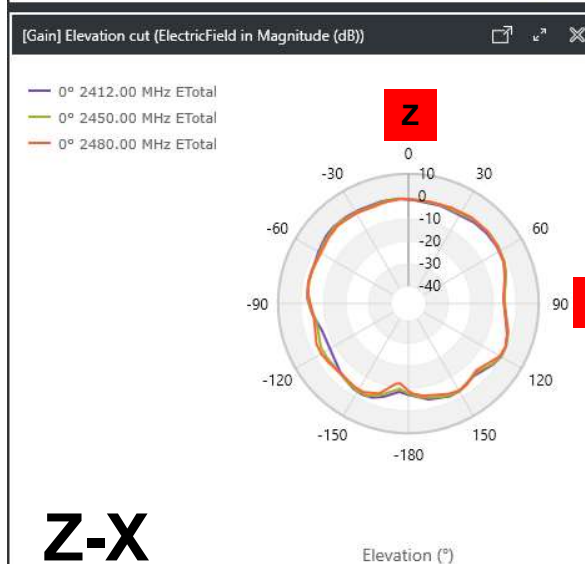
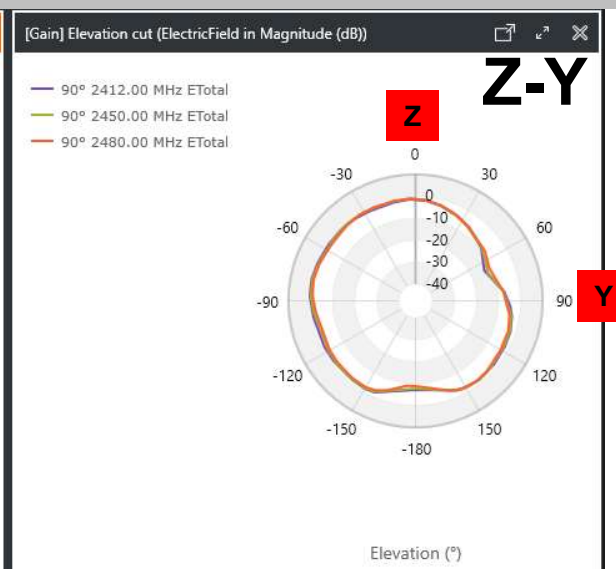
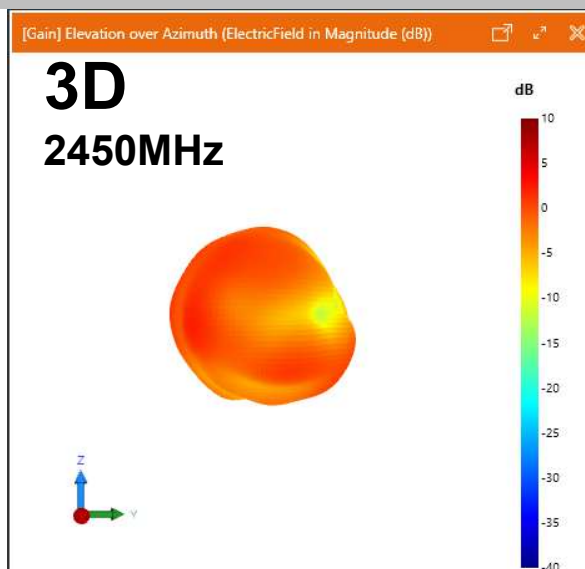


Gain Table

Gain & Efficiency Table			
Frequency (MHz)	2412	2450	2480
Peak Gain (dBi)	1.59	1.66	1.39
Efficiency (%)	59	58	55

2D & 3D Radiation Pattern

Antenna
2412MHz-2480MHz



Summary

Gain : $1\text{dBi} < 2.4\text{GHz} < 2\text{dBi}$

Efficiency : $50\% < 2.4\text{GHz} < 60\%$

S-Parameter : Return Loss $< -10\text{dB}$

Thanks You !!



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