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RCI3916 (DVT2) Antenna Test Report

New Technology & Research

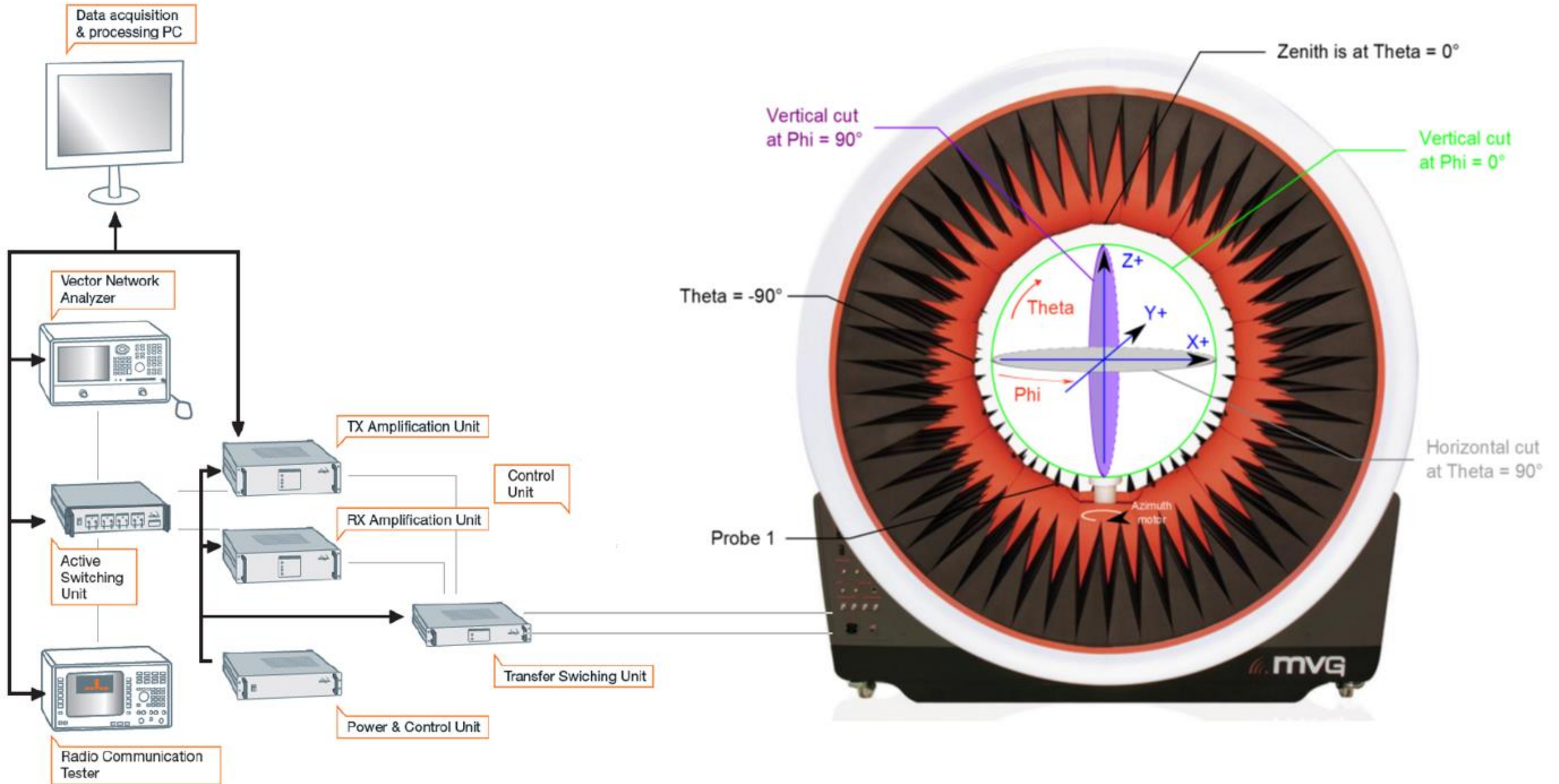
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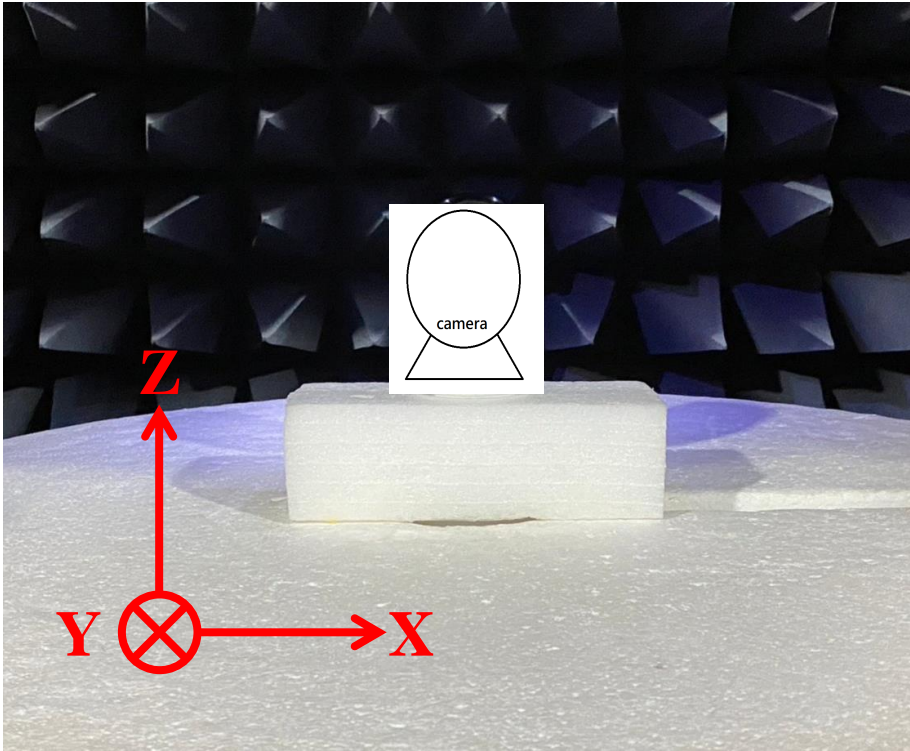
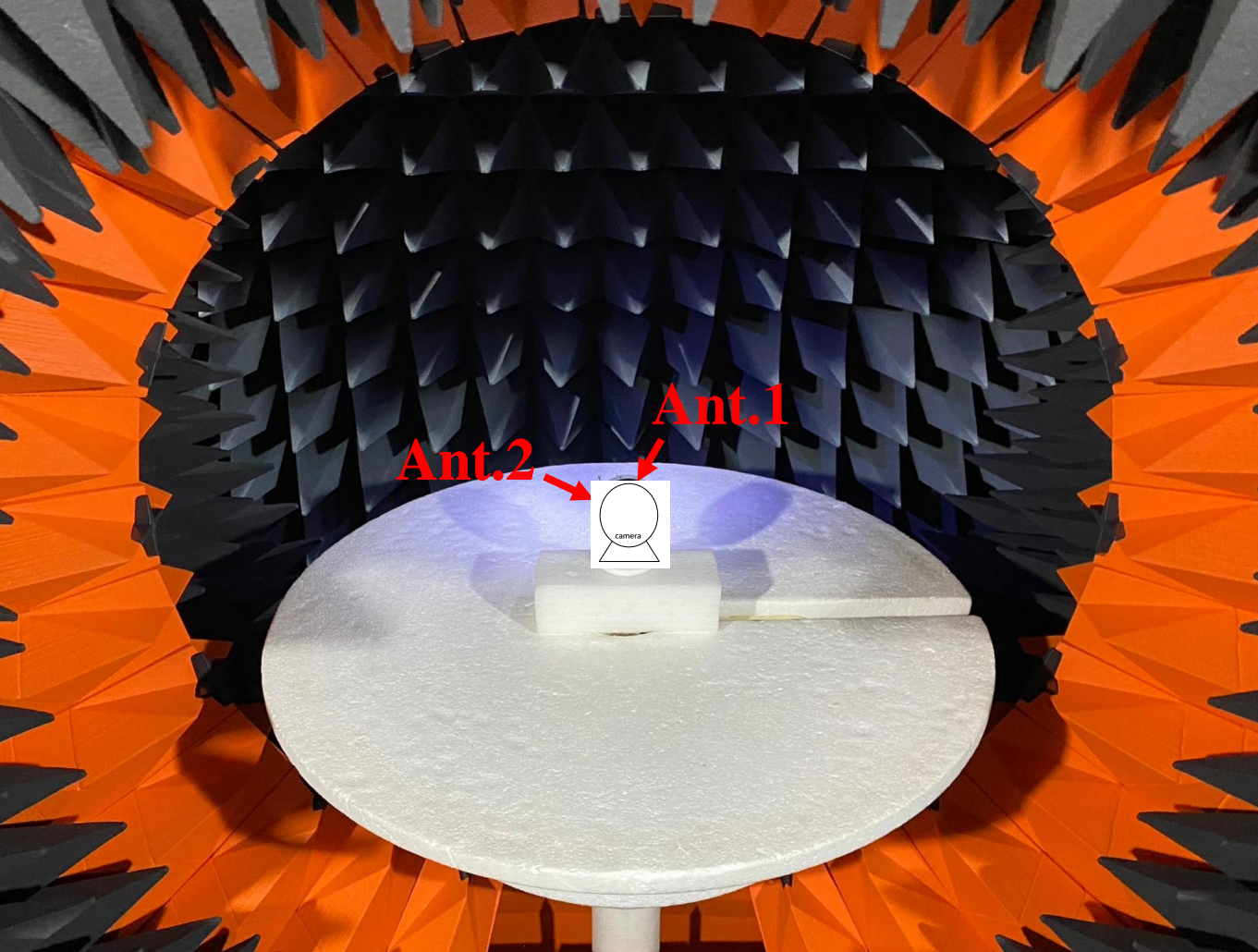
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Antenna Test System



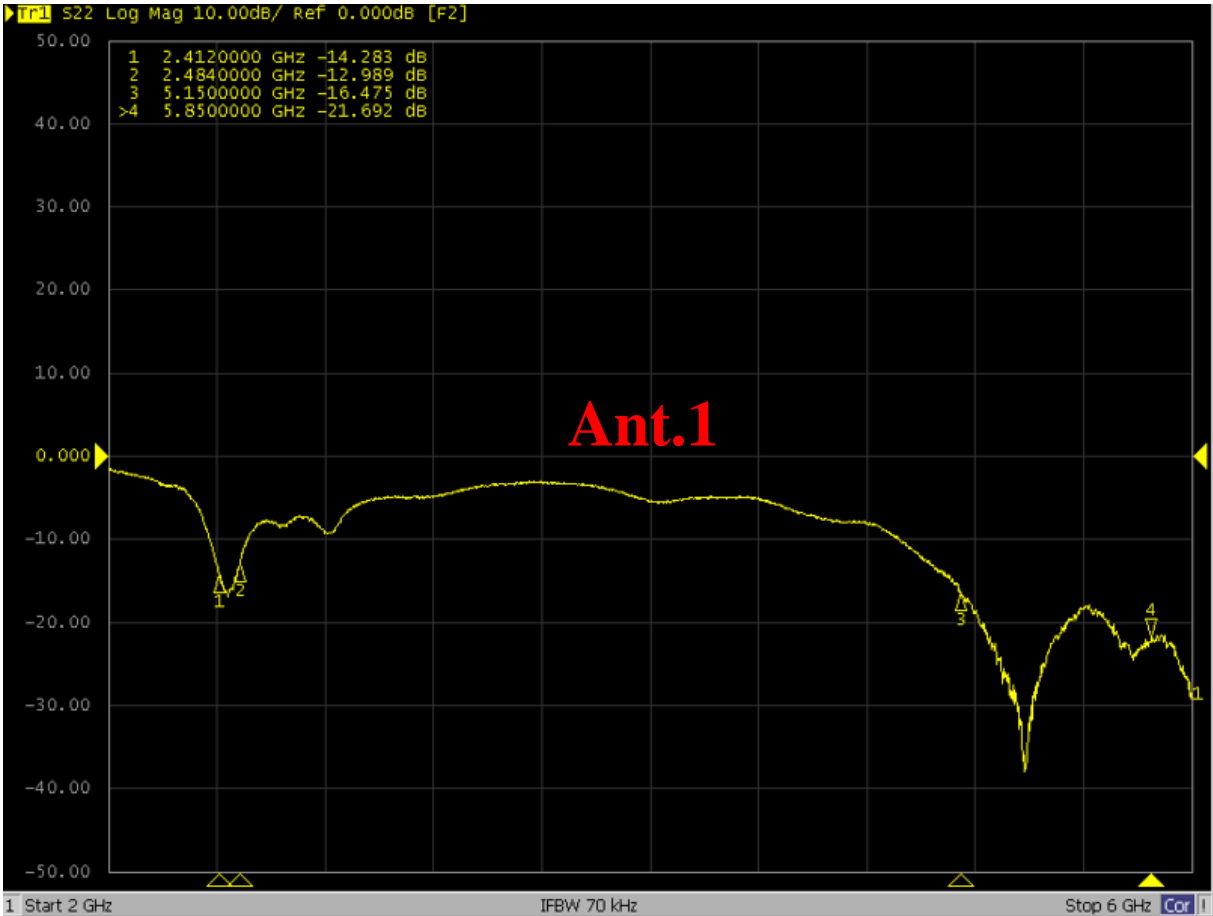
Antenna Under Test



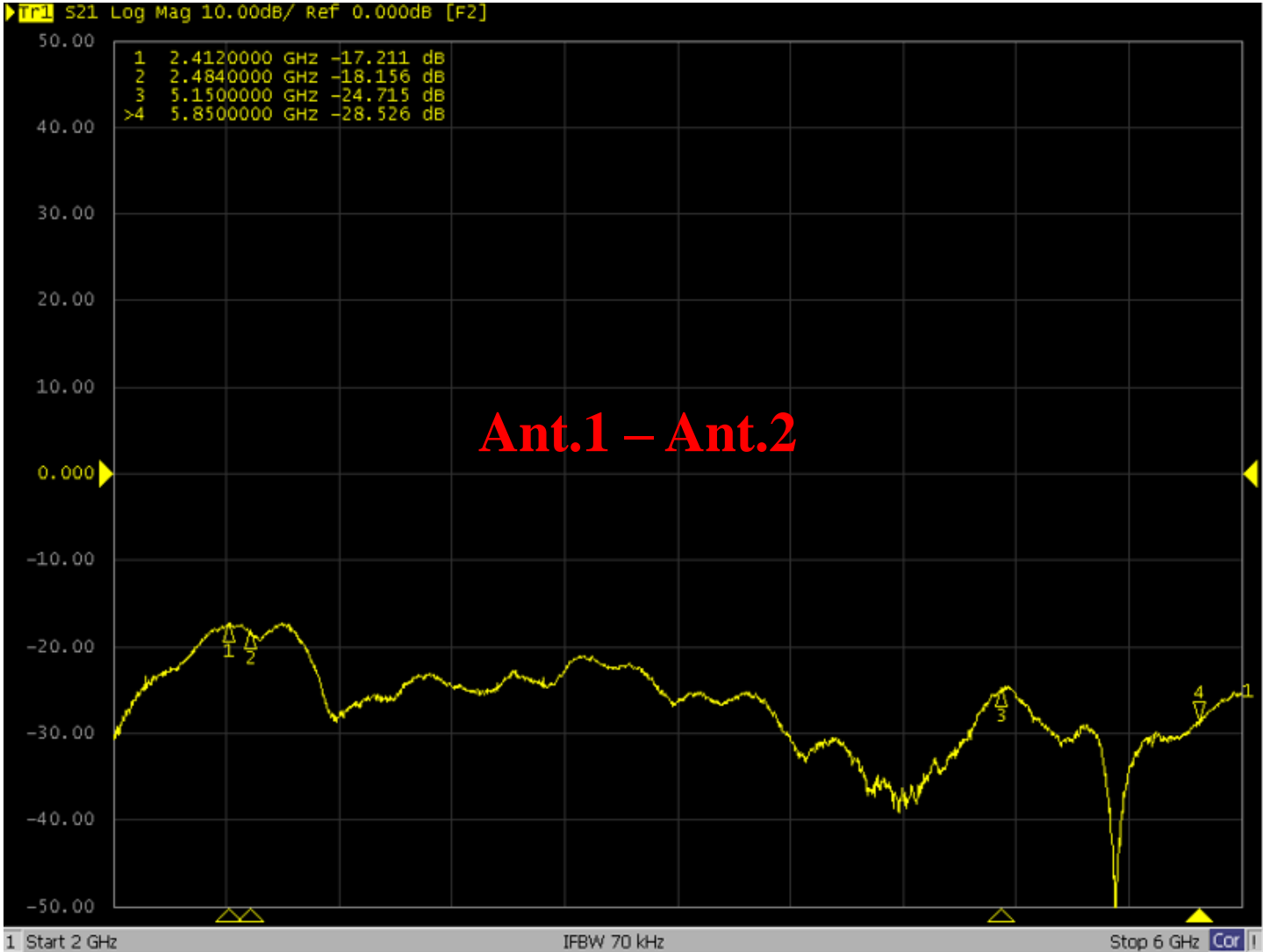
Antenna Placement

- Ant.Dimension:
 - Ant.1: 25.6x16.8x0.6mm³ 1.13L/L
 - Ant.2: 25.6x16.8x0.6mm³ 1.13L/L

S-parameter



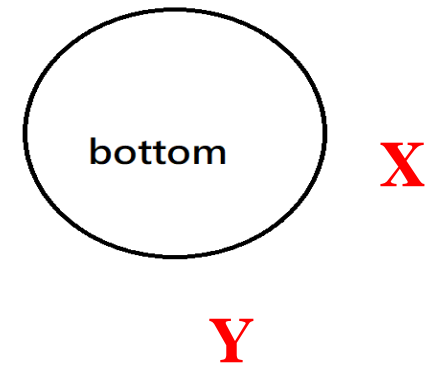
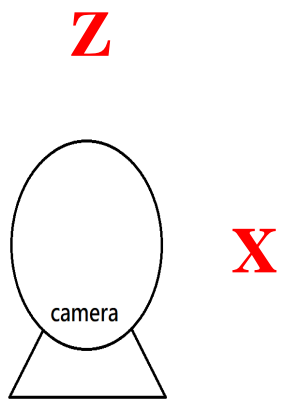
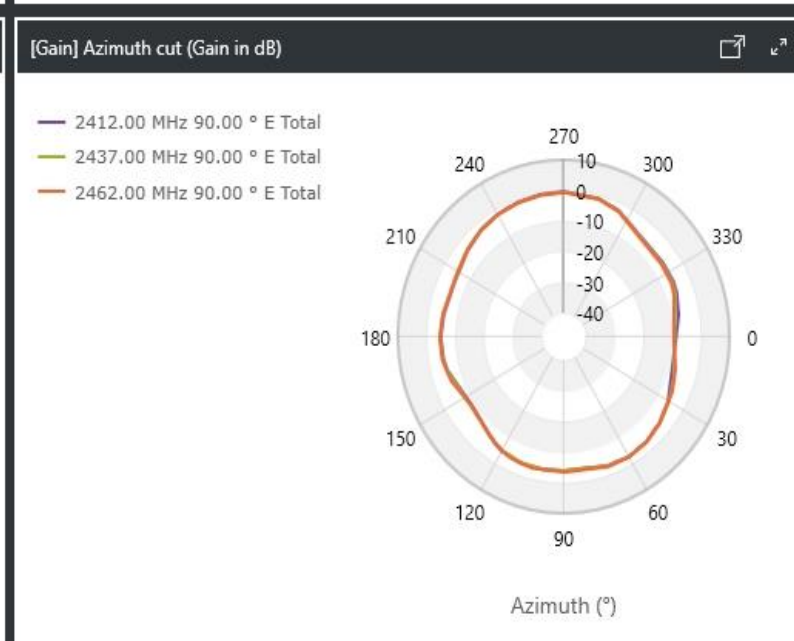
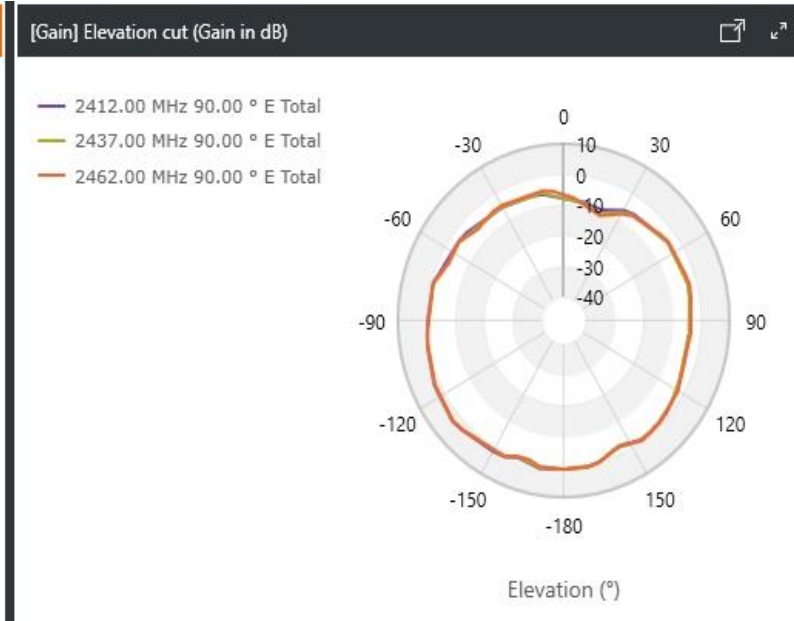
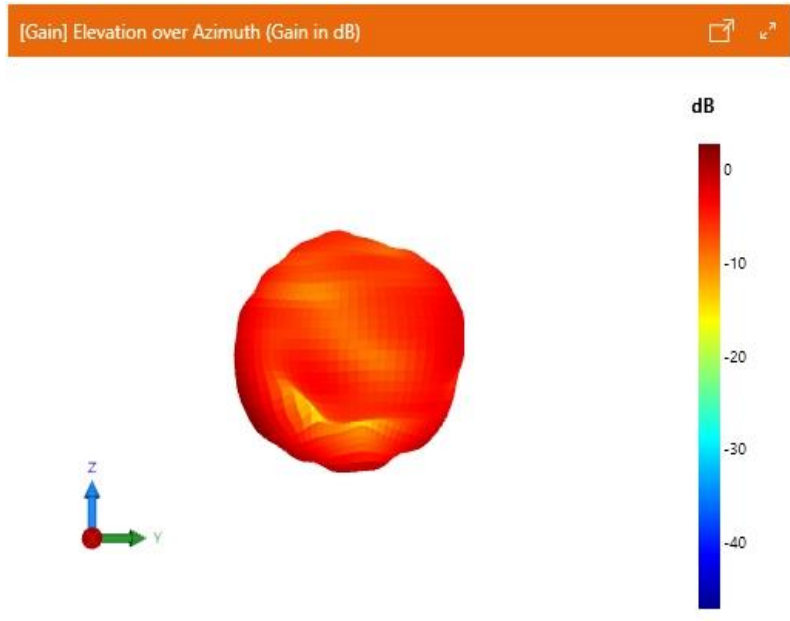
Isolation



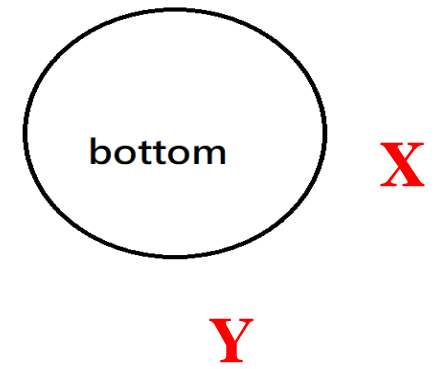
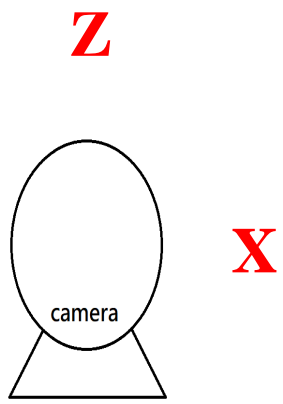
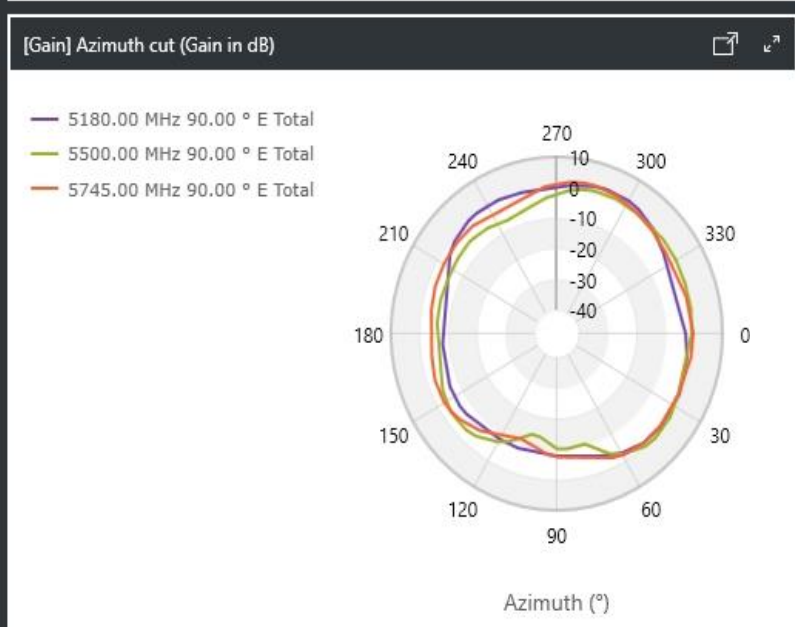
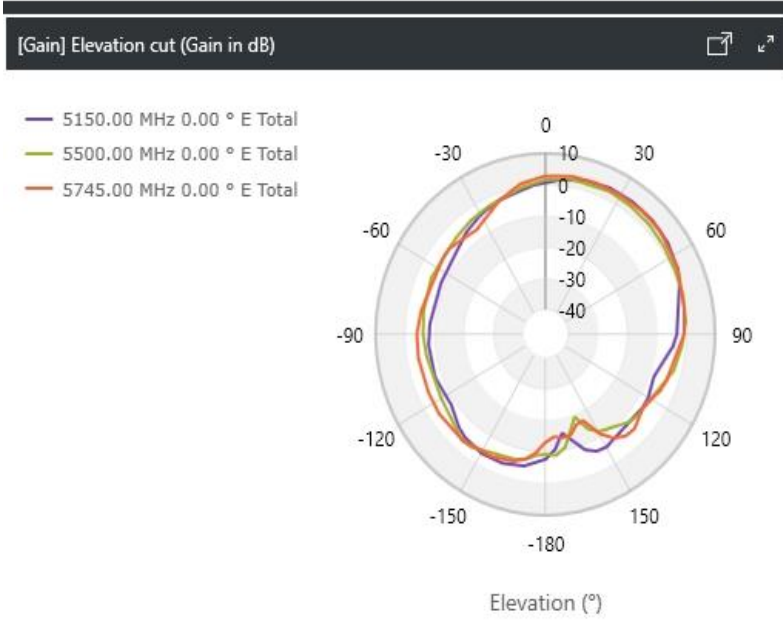
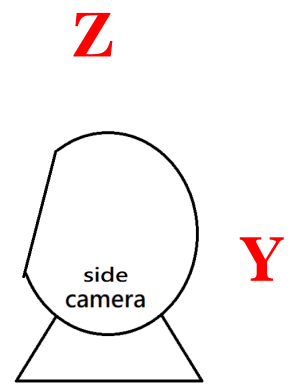
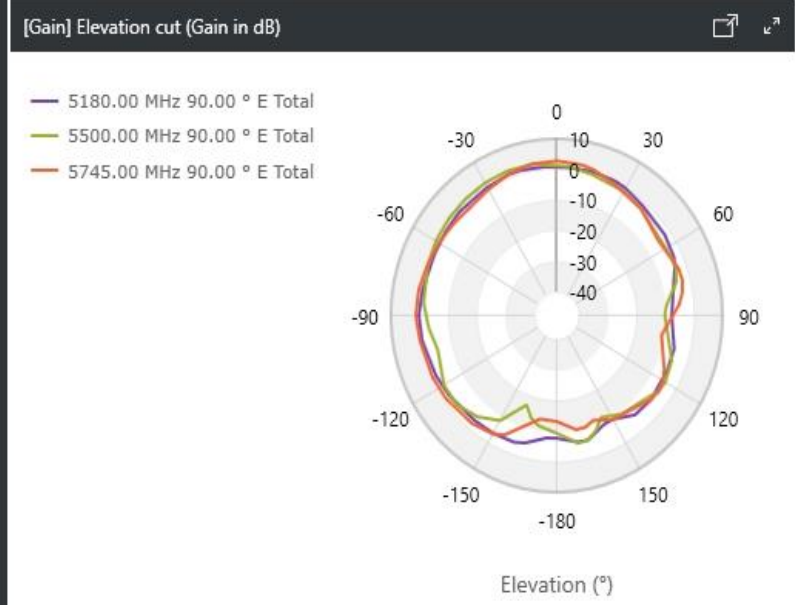
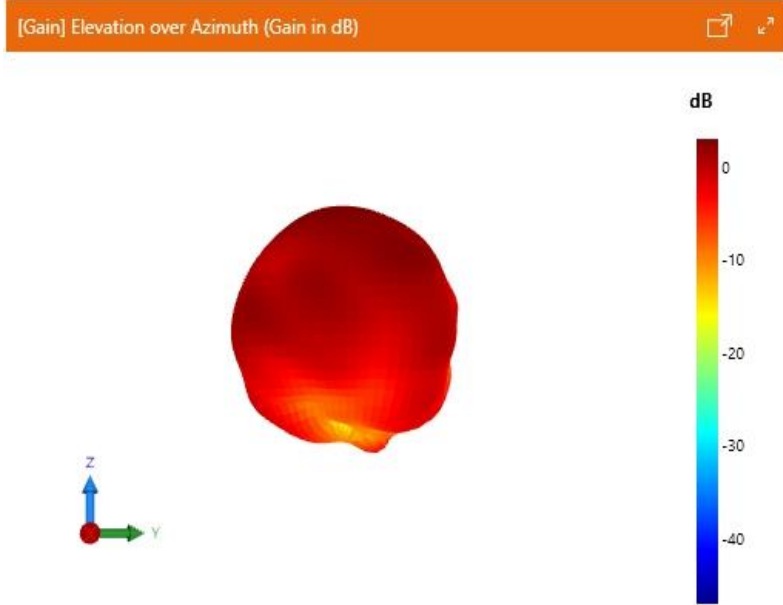
Gain Table

Freq. (MHz)	Ant.1			Ant.2		
	Average gain (dB)	Efficiency (%)	Peak gain (dBi)	Average gain (dB)	Efficiency (%)	Peak gain (dBi)
2412	-2.98	50	3.09	-2.83	52	3.71
2437	-2.95	51	2.92	-2.9	51	3.79
2462	-3	50	3.06	-2.91	51	3.8
5180	-1.86	65	4.28	-1.5	71	5.91
5500	-2.25	60	3.14	-1.48	71	5.16
5745	-1.86	65	3.71	-1.59	69	5.47

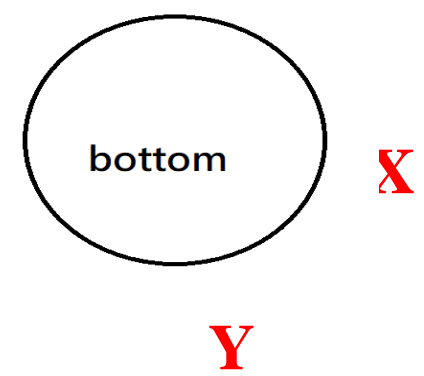
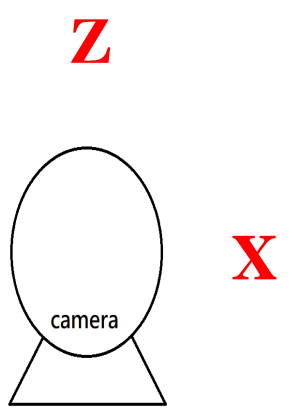
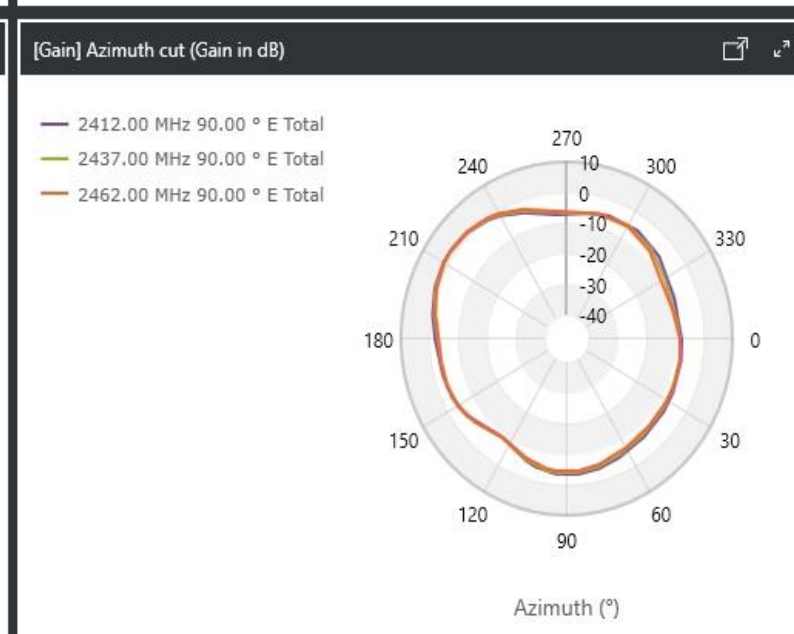
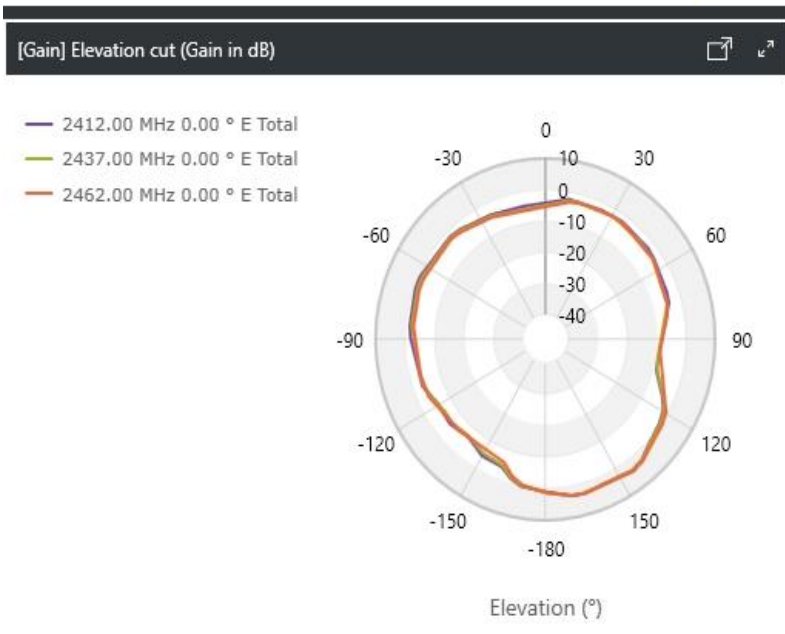
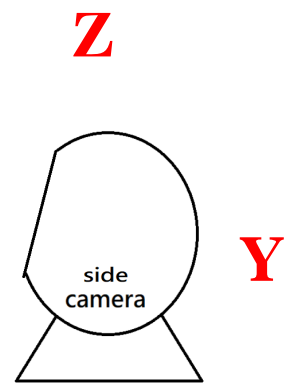
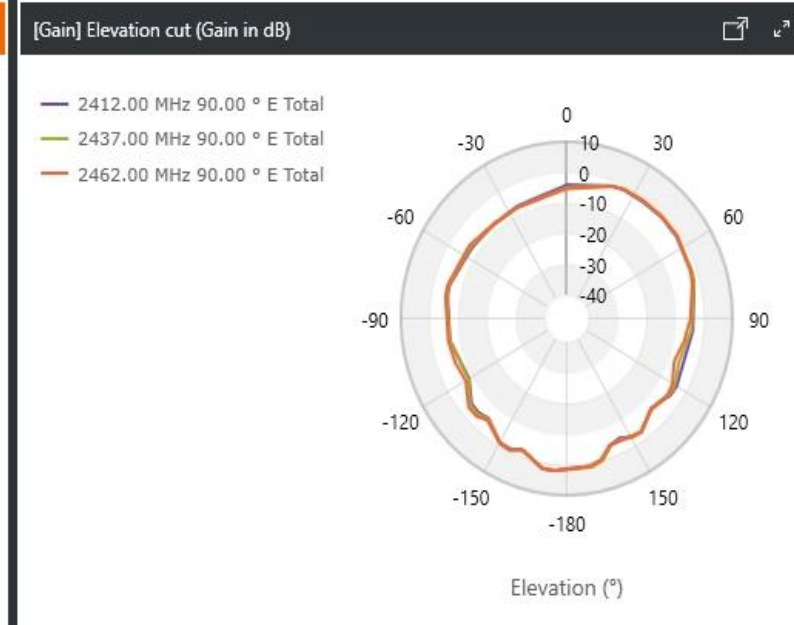
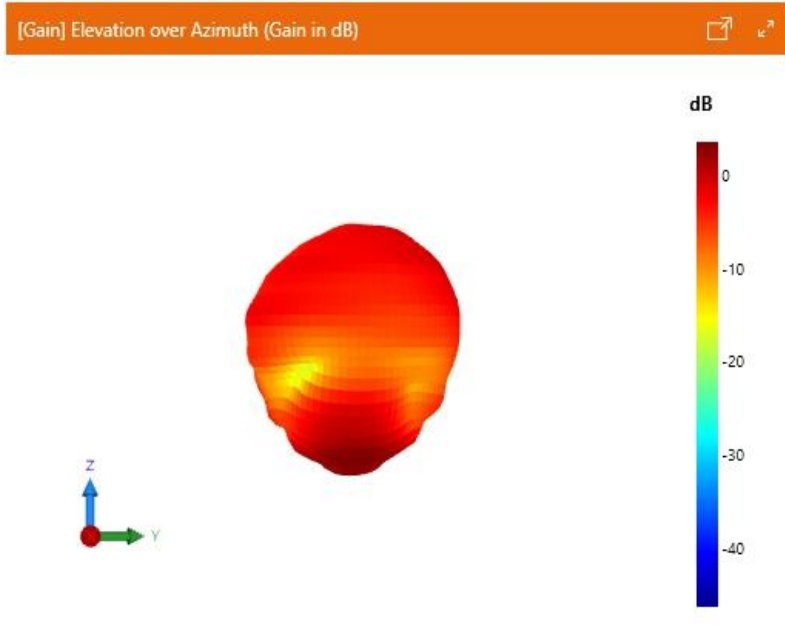
Gain Pattern – Ant.1_2.4G



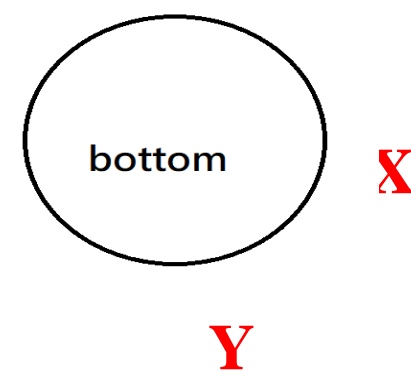
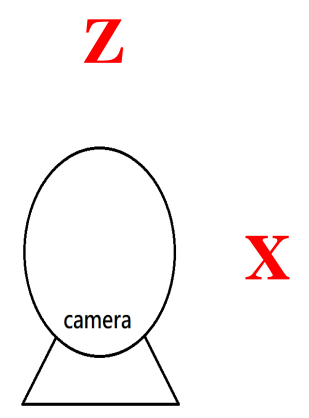
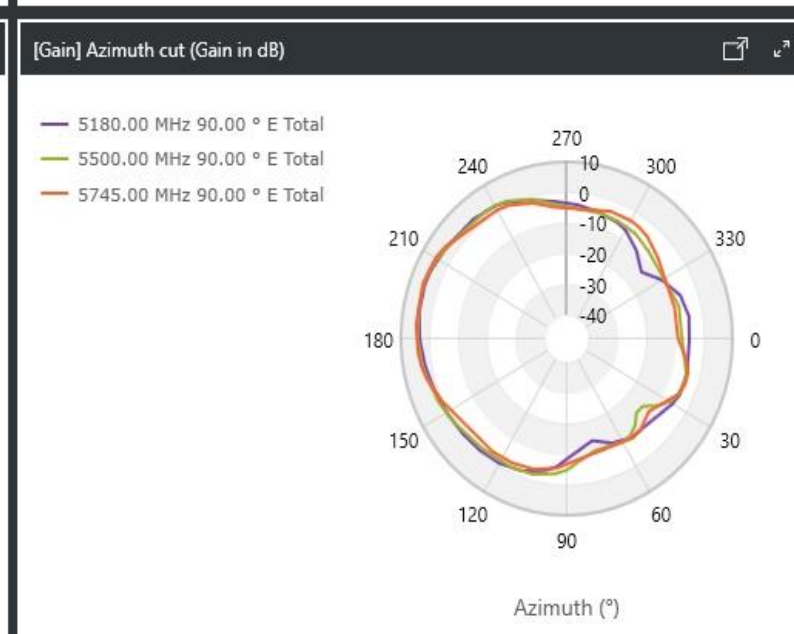
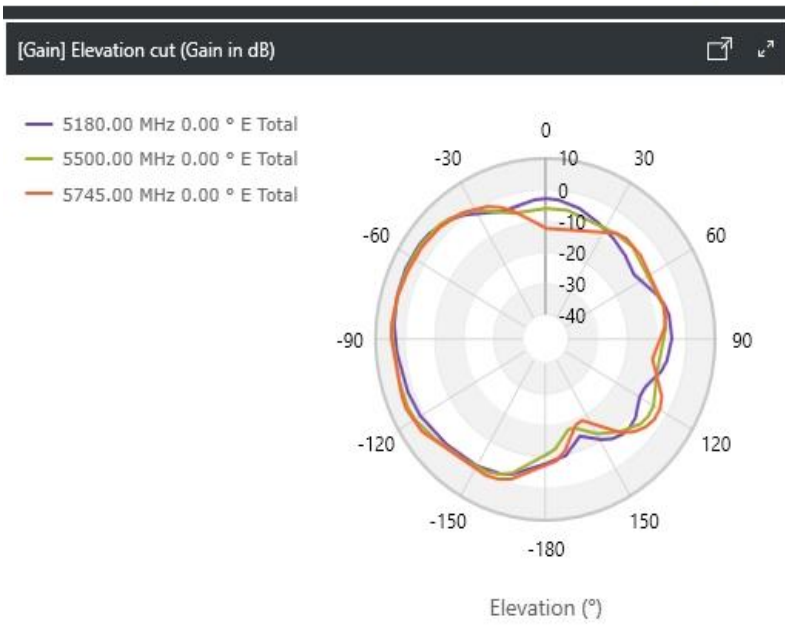
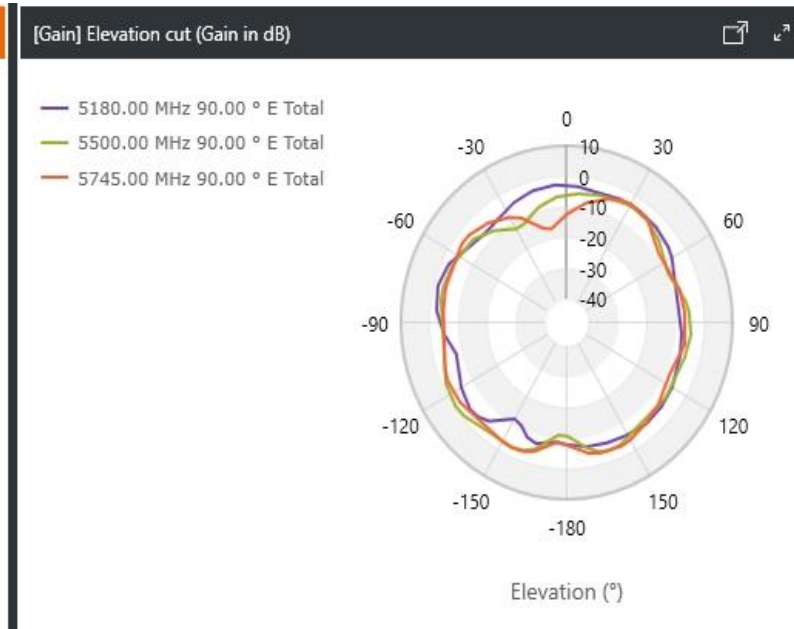
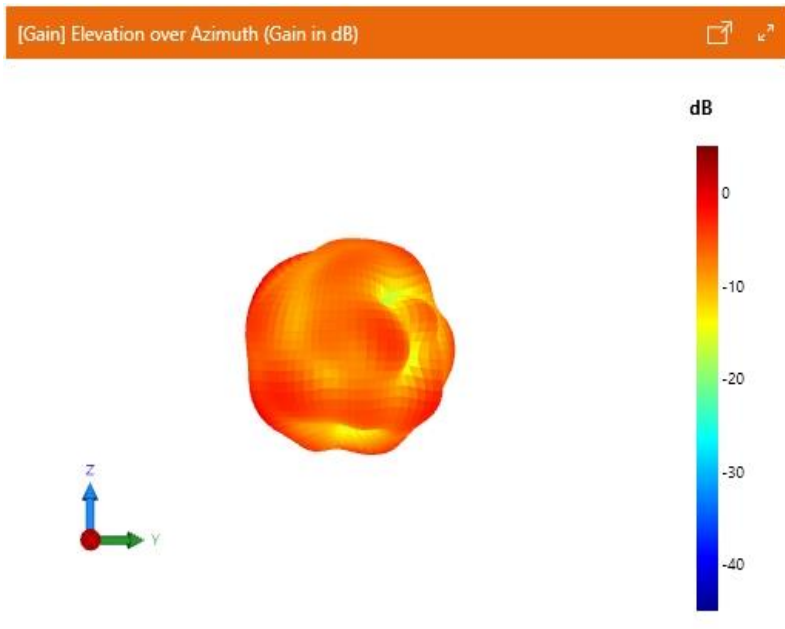
Gain Pattern – Ant.1_5G



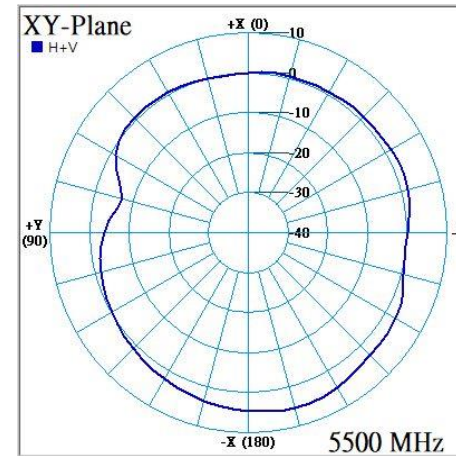
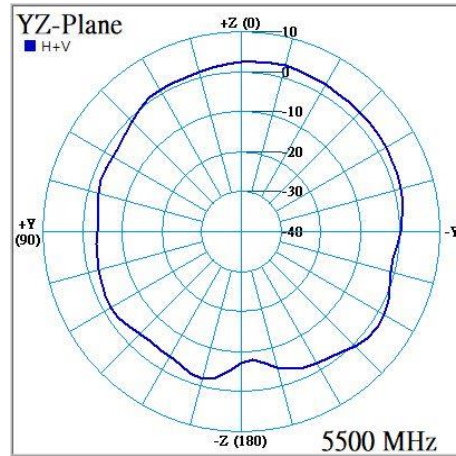
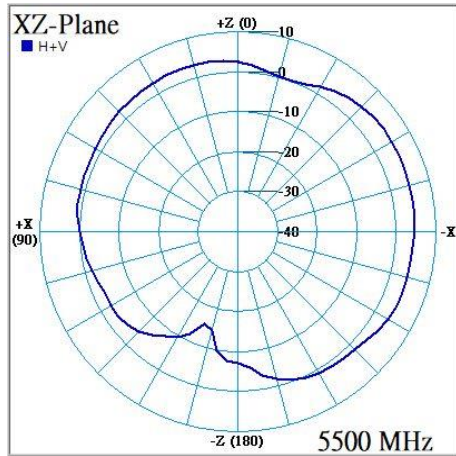
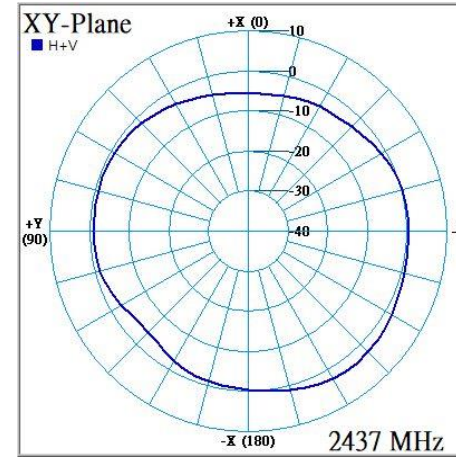
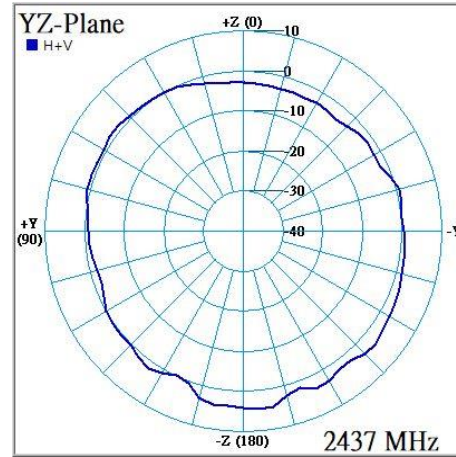
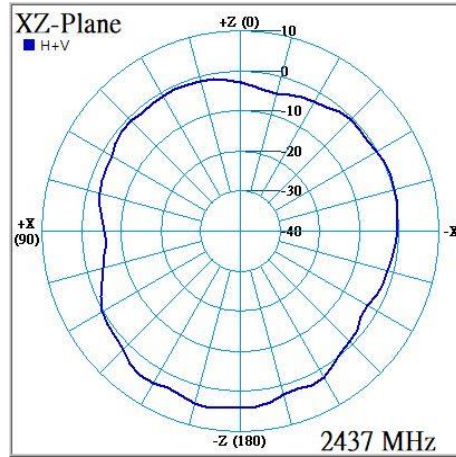
Gain Pattern – Ant.2_2.4G



Gain Pattern – Ant.2_5G



Gain Pattern — Combine





THANK YOU