

2023 Awan Simulation Report

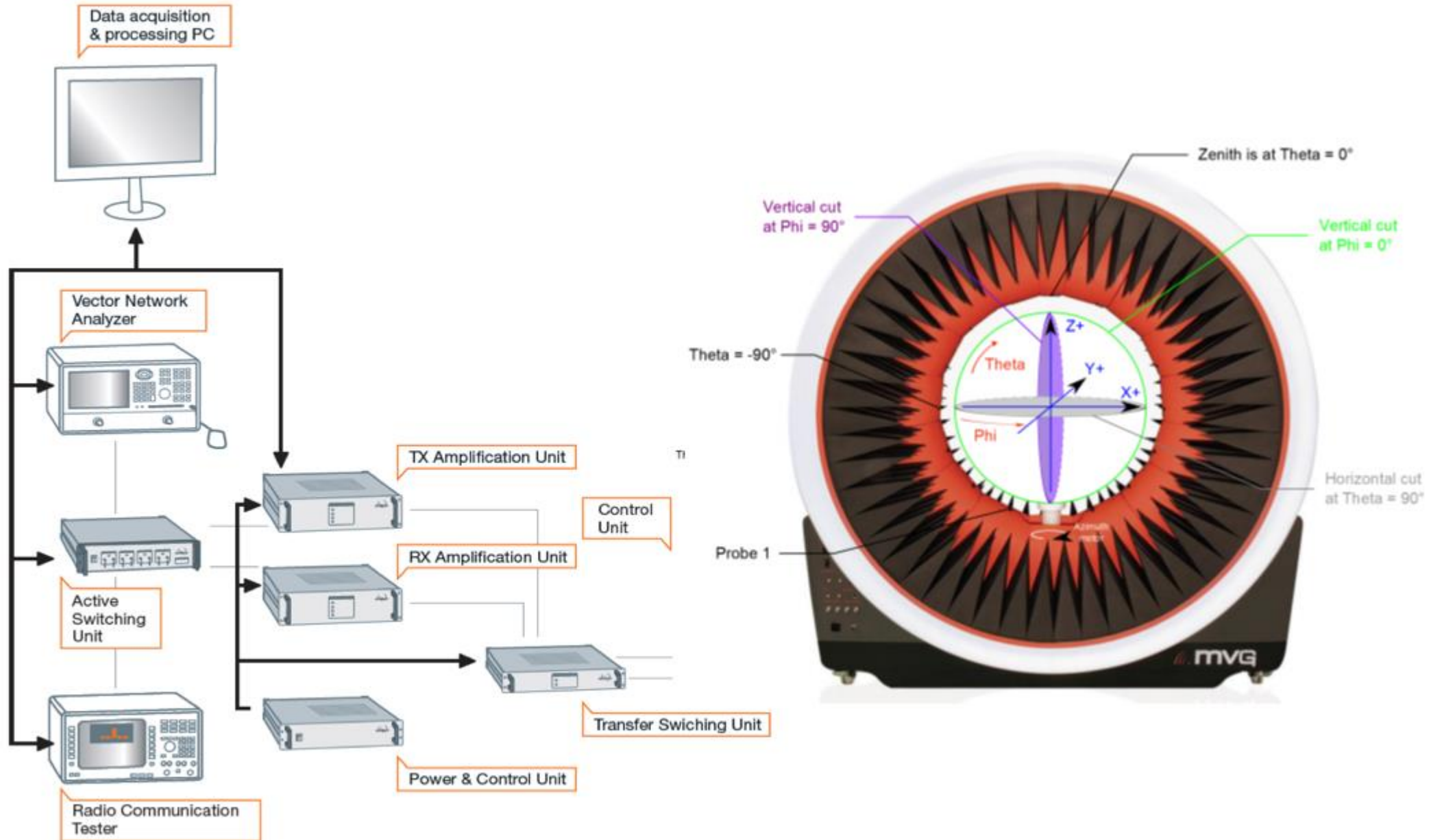
New Technology & Research



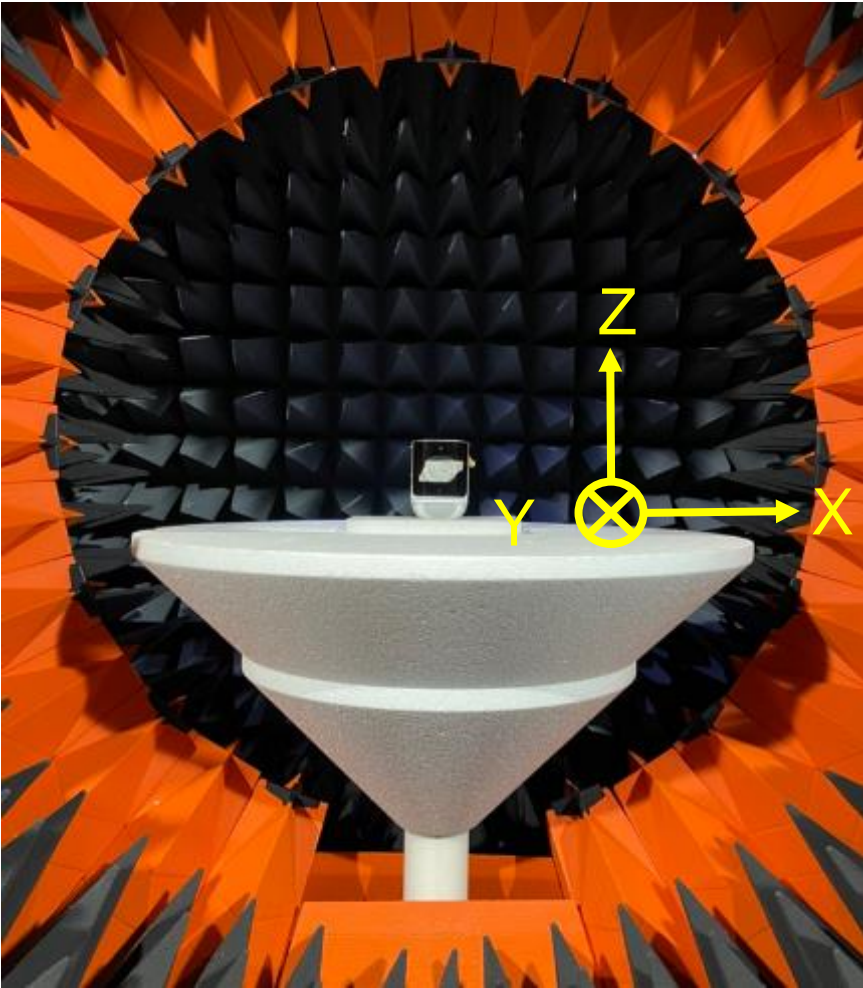
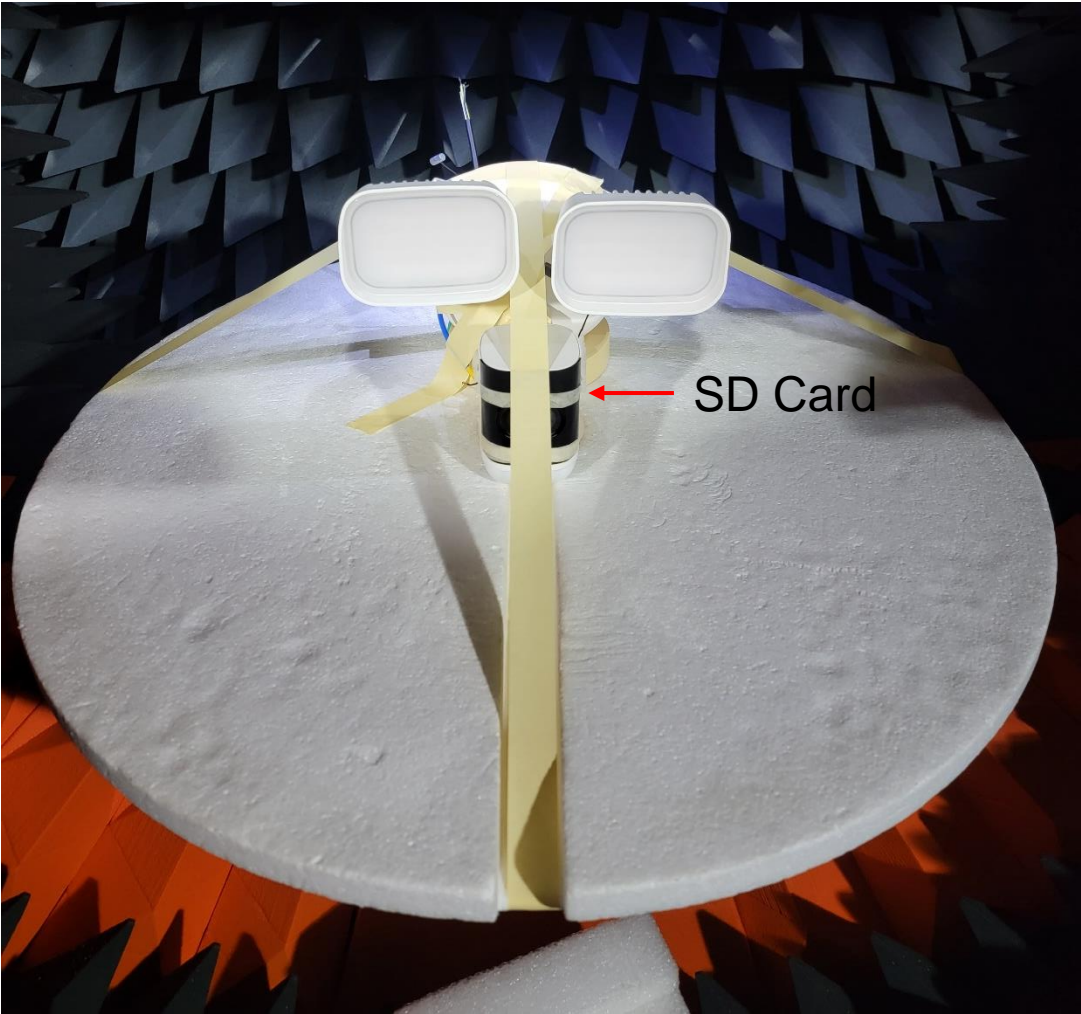
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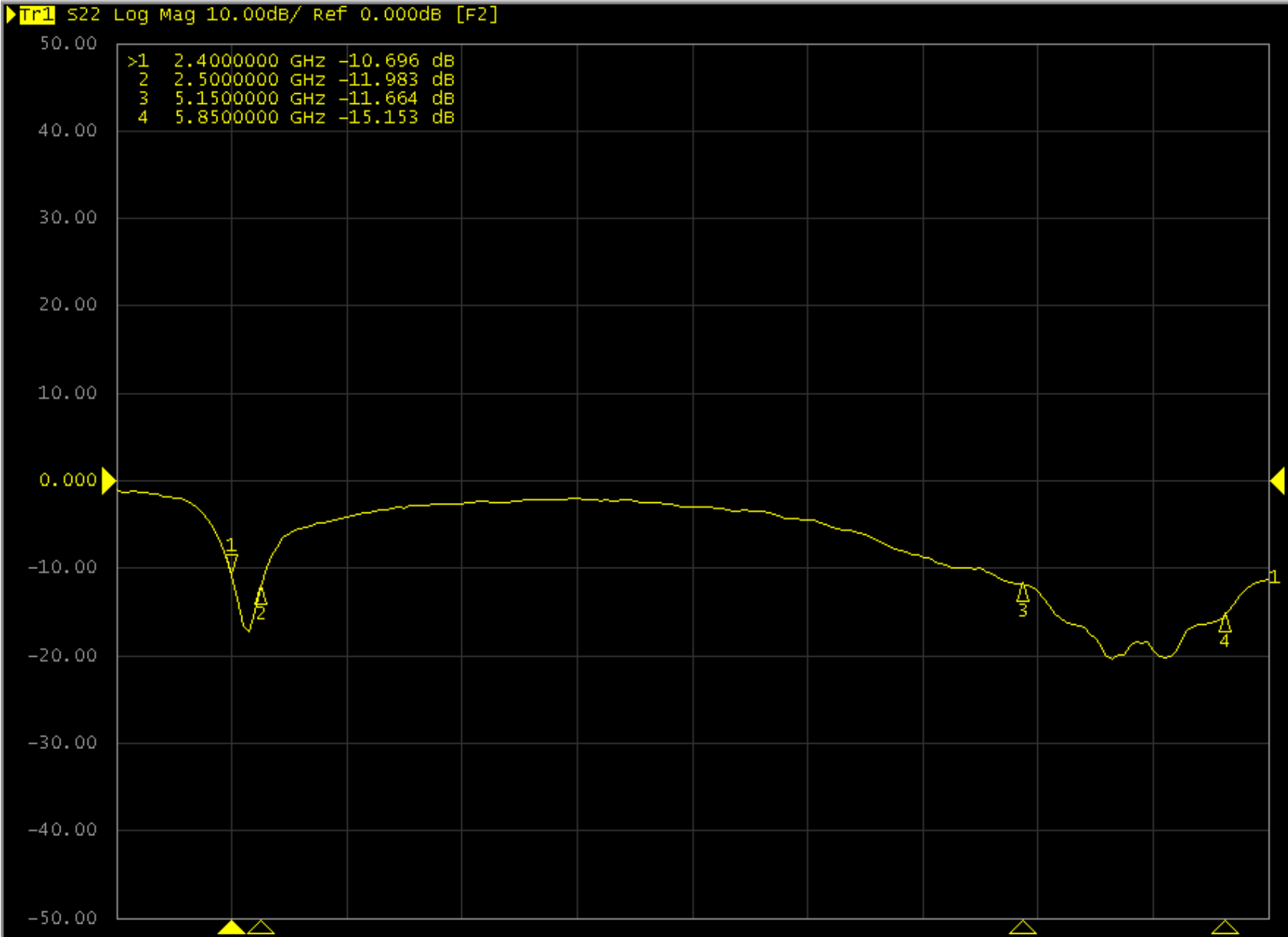
Antenna Test System



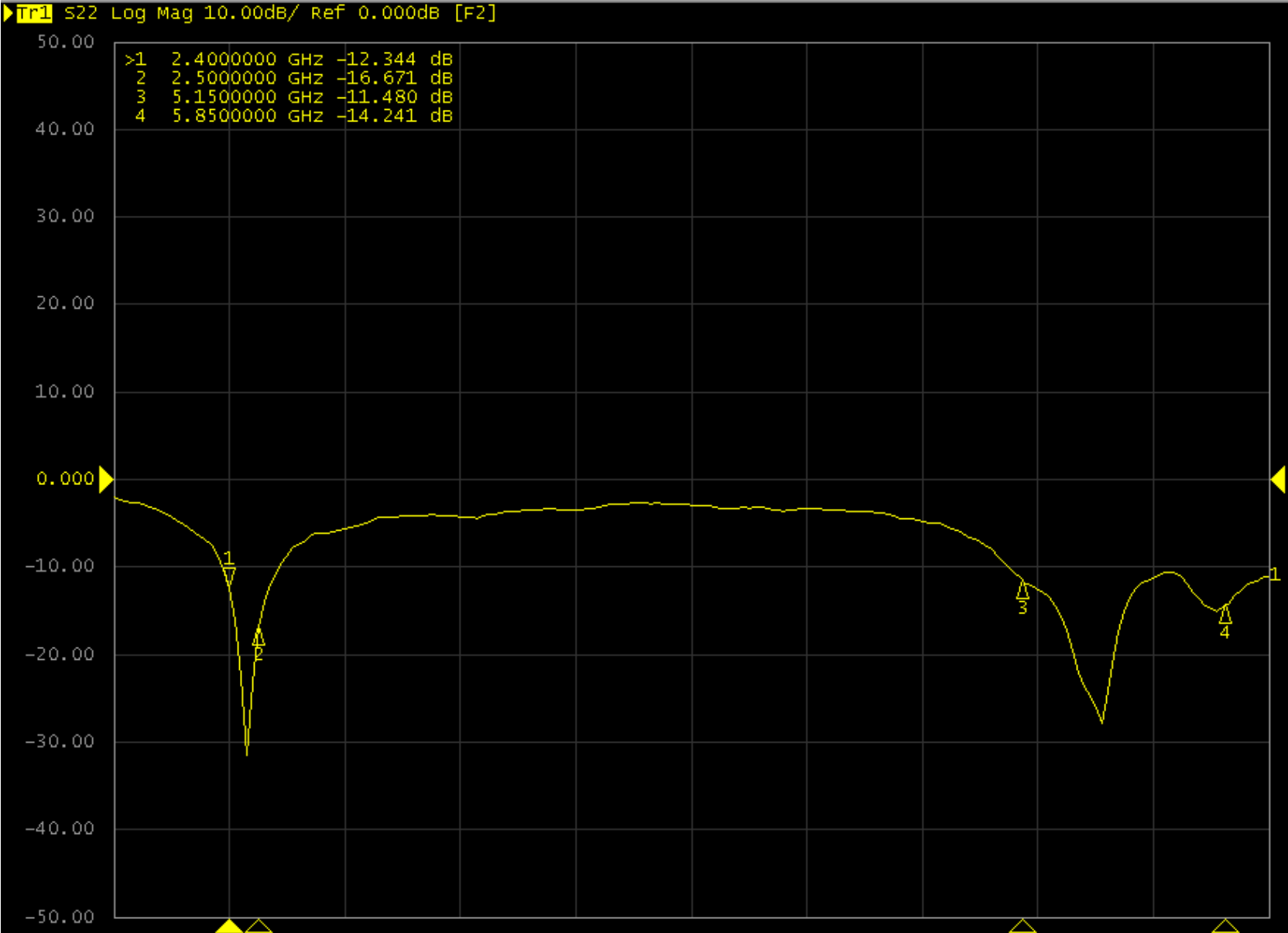
Antenna Under Test



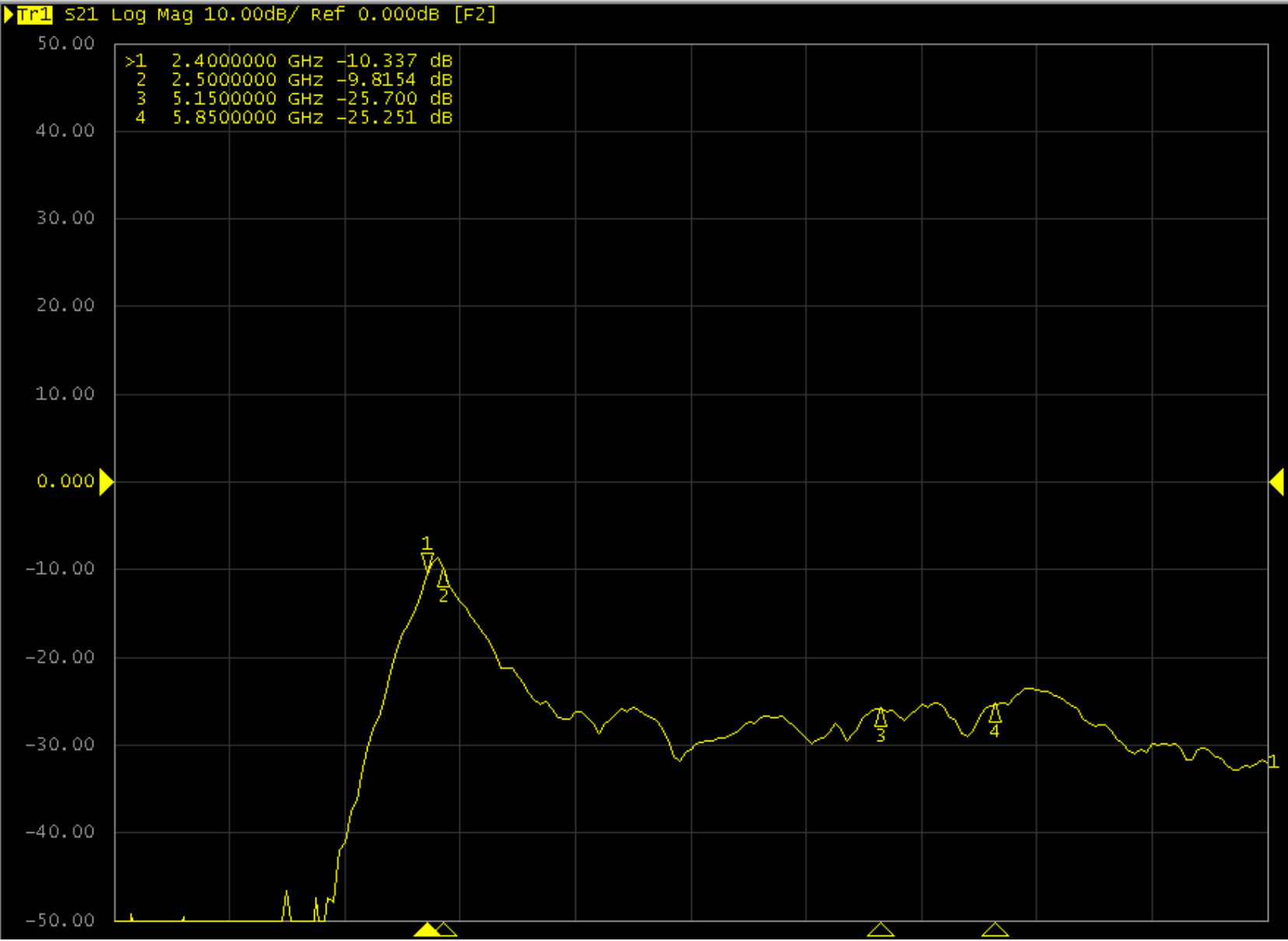
Return Loss (Ant.1)



Return Loss (Ant.2)



Isolation



Gain Table

Ant.	1		2	
Freq. (MHz)	Efficiency (%)	Peak gain (dBi)	Efficiency (%)	Peak gain (dBi)
2400	56.10	2.9	62.37	3.3
2450	54.95	2.7	60.95	3.3
2500	54.45	2.7	56.75	2.2
5150	60.39	2.8	63.53	4.7
5250	62.09	2.7	66.07	4.5
5350	58.08	3.5	67.45	4.2
5470	60.39	3.8	65.31	4.6
5600	60.53	3.4	62.81	5.2
5725	59.70	3.5	62.23	5.3
5785	60.81	3.4	62.52	5.5
5850	59.98	3.0	58.61	5.7

Summary

Antenna	Brand Name	Model Name	Ant. Type	Connector	Support	Max Peak Gain	ANTENNA Gain To Cable Loss
Specification	AWAN	ASF6P-100011	PIFA	I-PEX	2.4G+5G+BT	2.4G/BT: 2.9dBi 5G: 3.8dBi	Include cable loss
		ASF6P-100012	PIFA	I-PEX	2.4G+5G	2.4G: 3.3dBi 5G: 5.7dBi	Include cable loss



THANK YOU