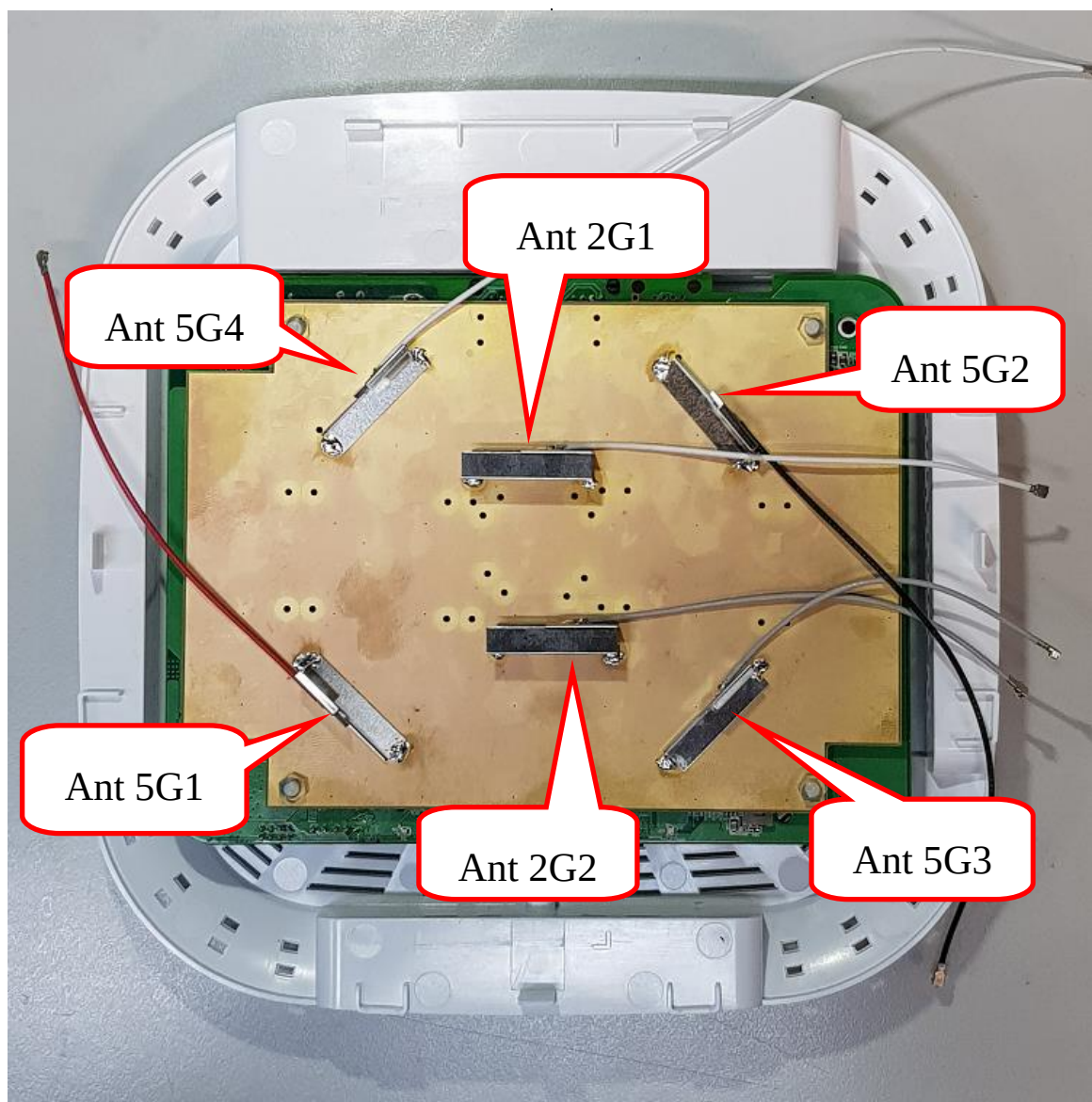


AT-TQ5403

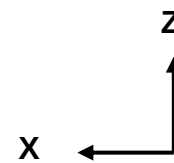
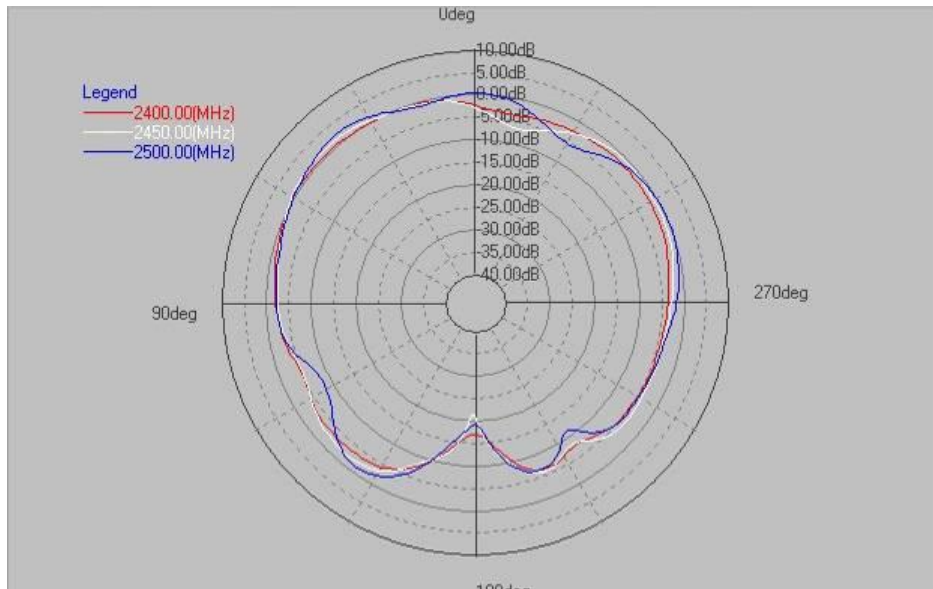
Antenna Report

1 Antenna Introduction

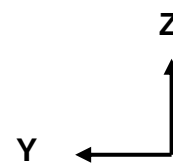
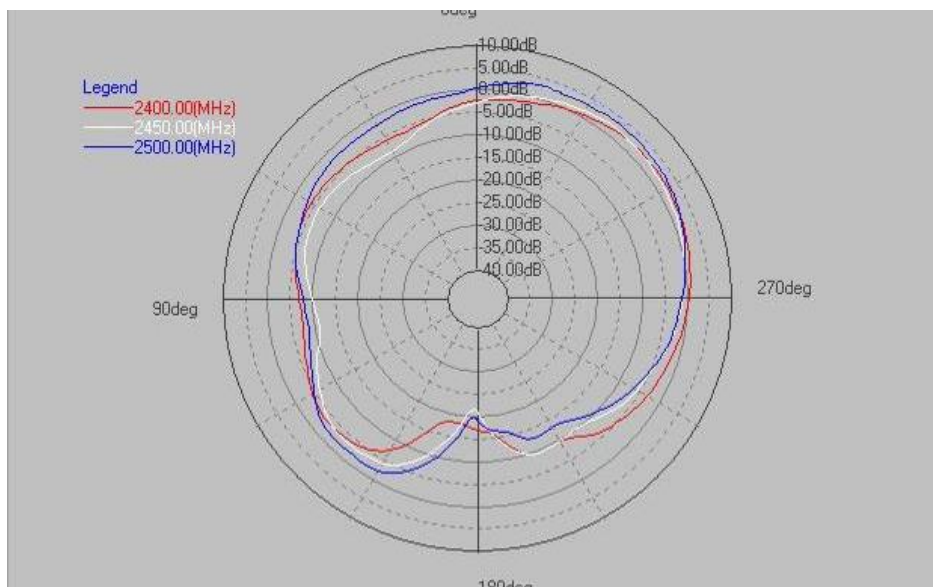


2. 2D patterns

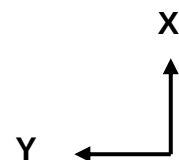
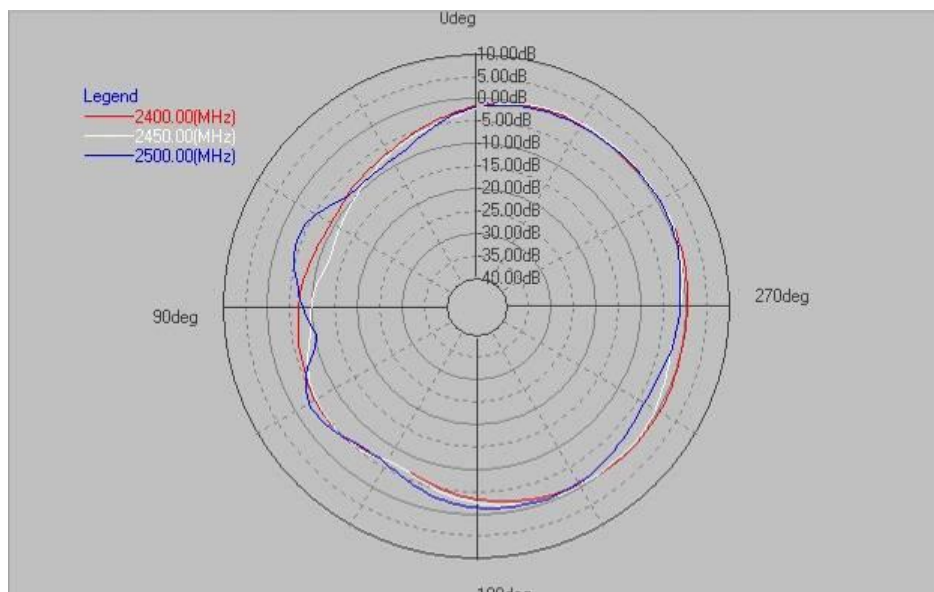
2.2.1 Ant 2G1



X-Z Plane (E-total)

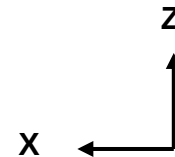
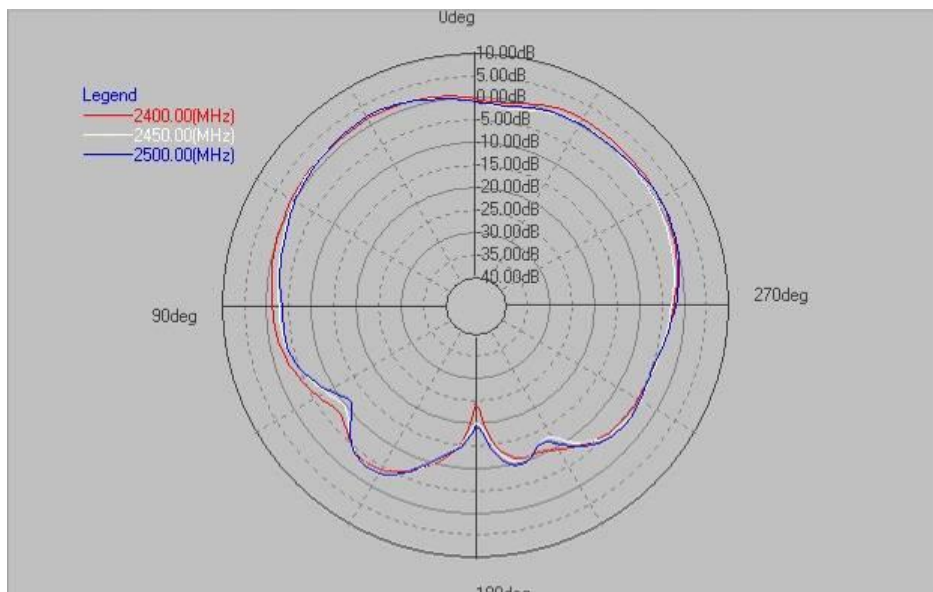


Y-Z Plane (E-total)

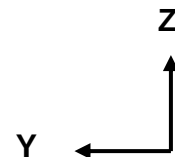
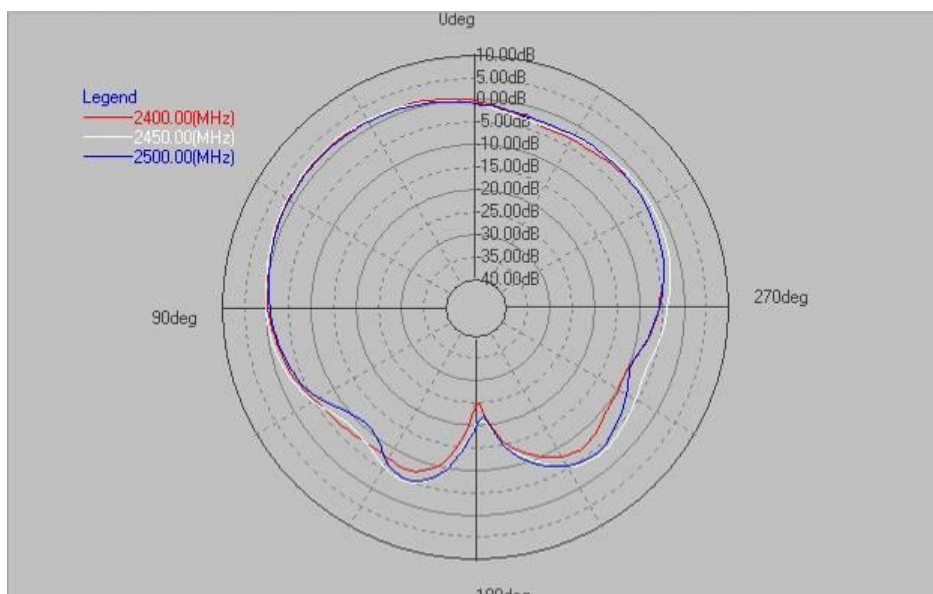


X-Y Plane (E-total)

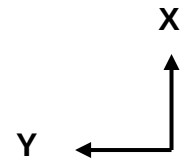
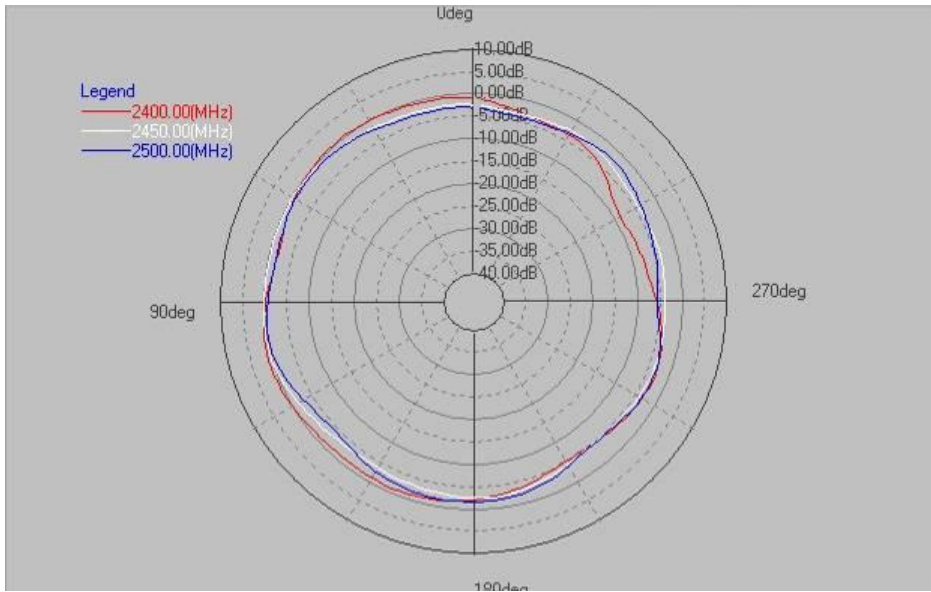
2.2.2 Ant 2G2



X-Z Plane (E-total)

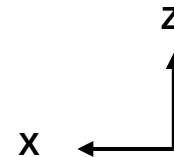
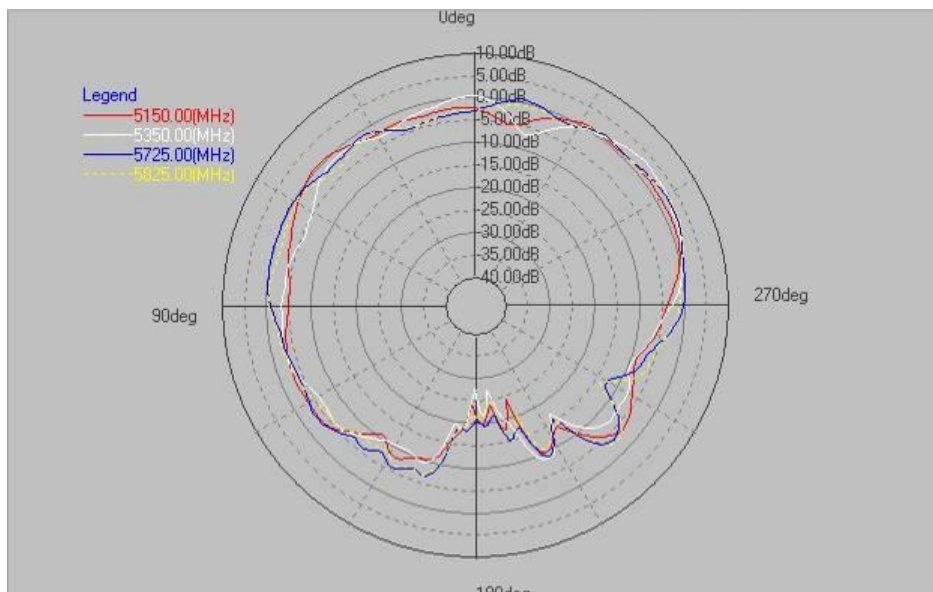


Y-Z Plane (E-total)

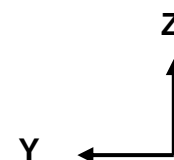
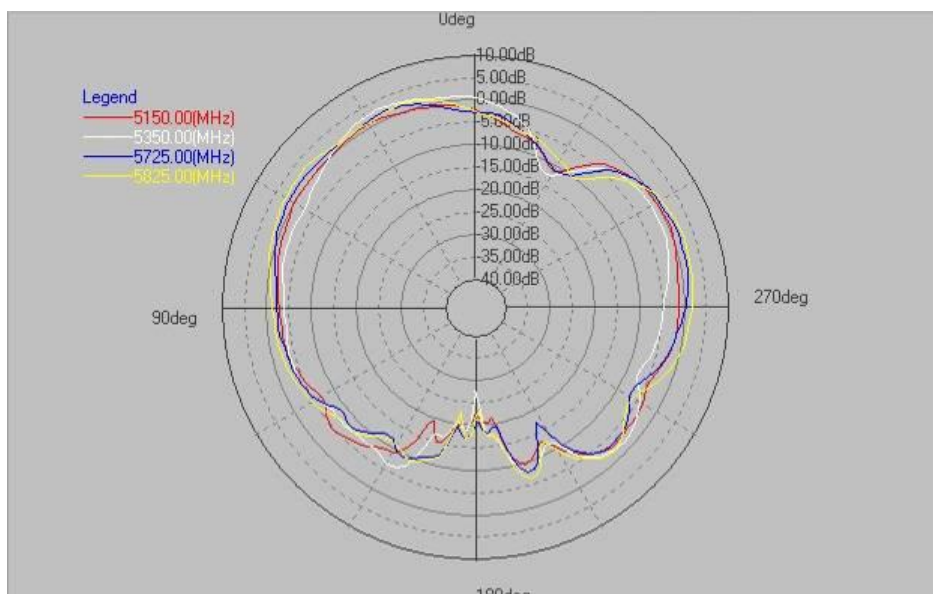


X-Y Plane (E-total)

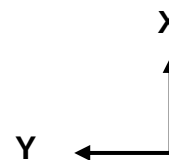
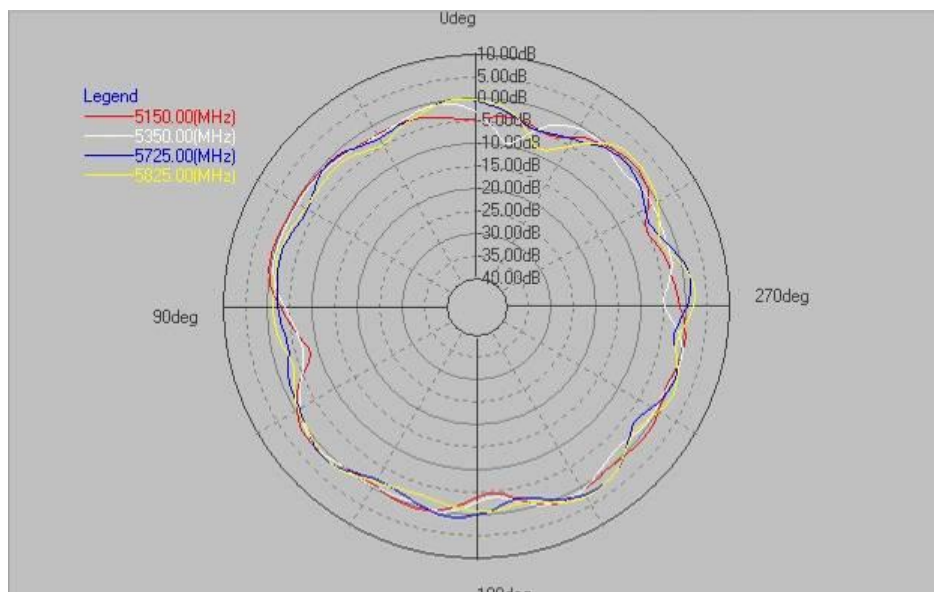
2.2.3 Ant 5G1



X-Z Plane (E-total)

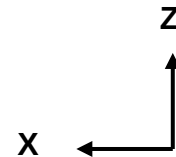
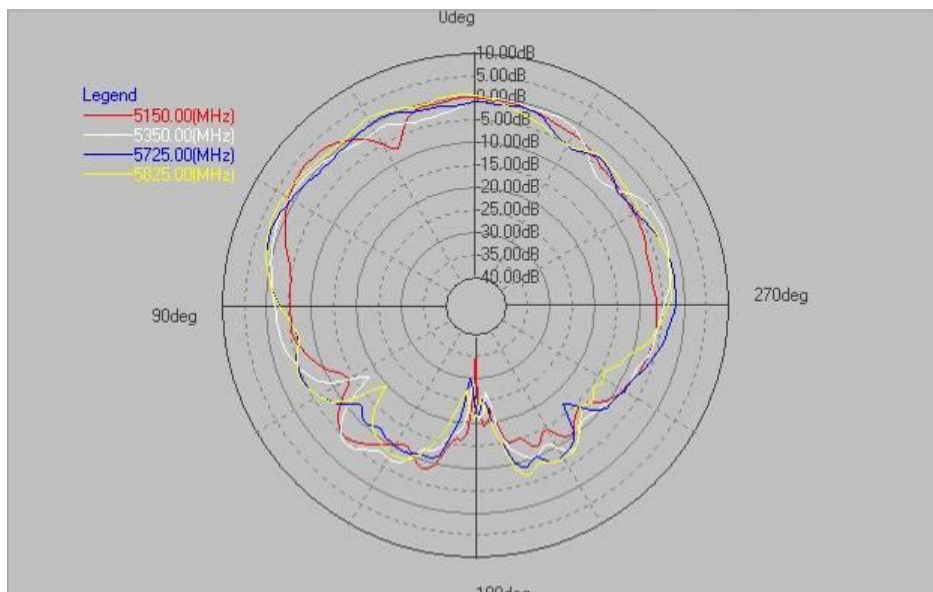


Y-Z Plane (E-total)

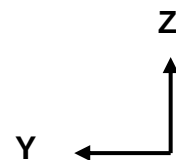
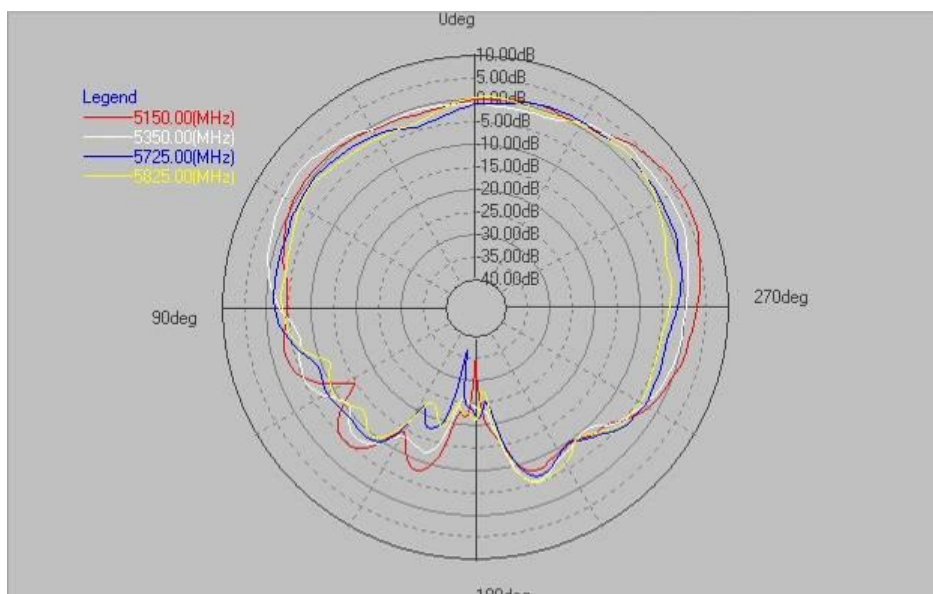


X-Y Plane (E-total)

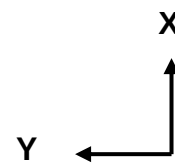
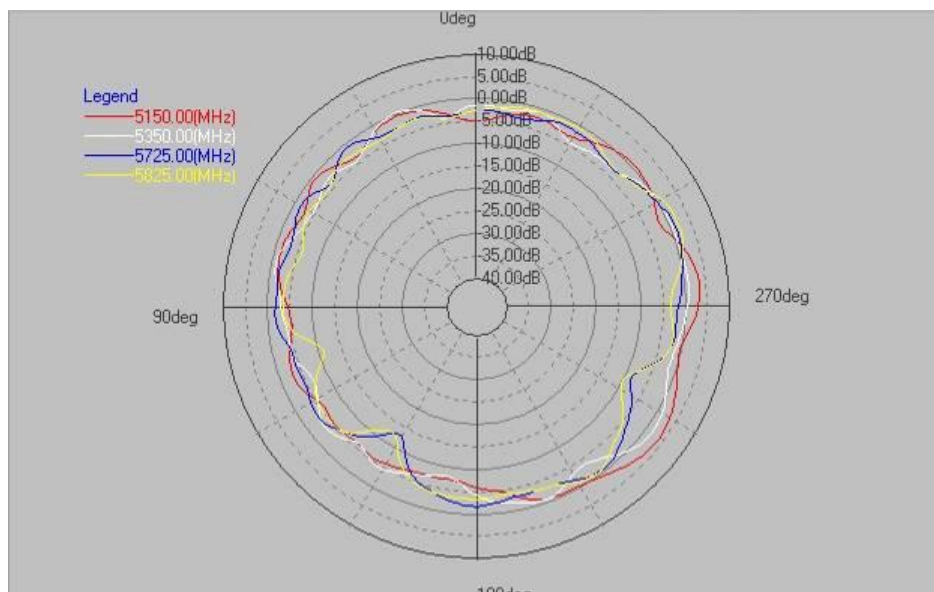
2.2.4 Ant 5G2



X-Z Plane (E-total)

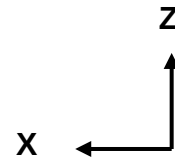
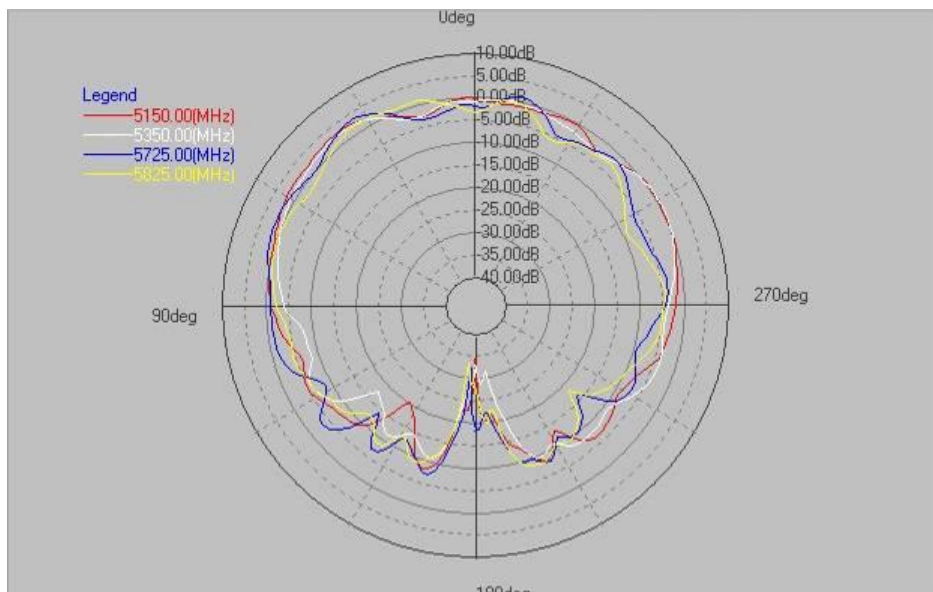


Y-Z Plane (E-total)

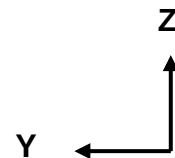
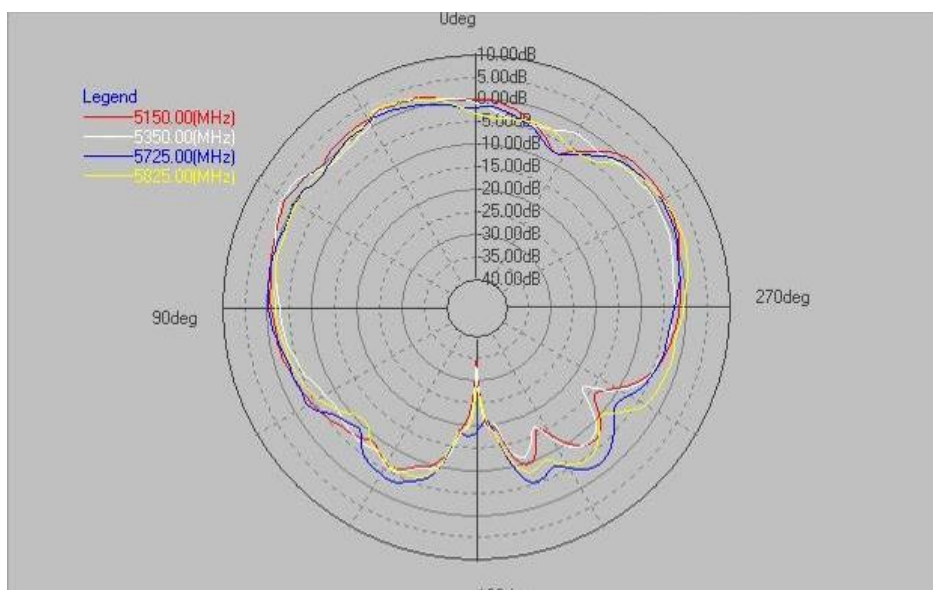


X-Y Plane (E-total)

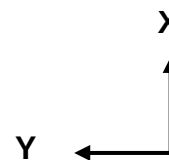
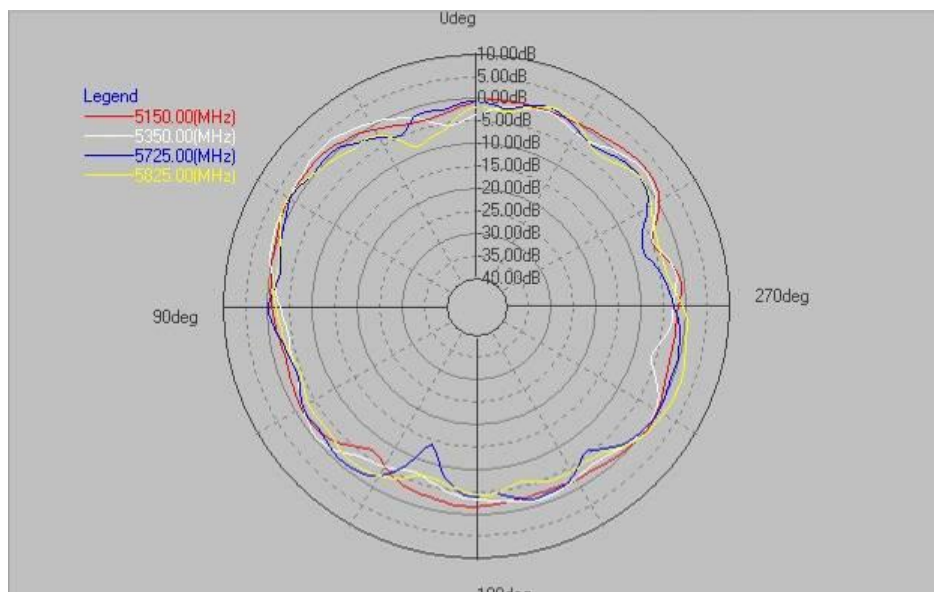
2.2.5 Ant 5G3



X-Z Plane (E-total)

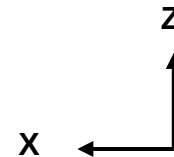
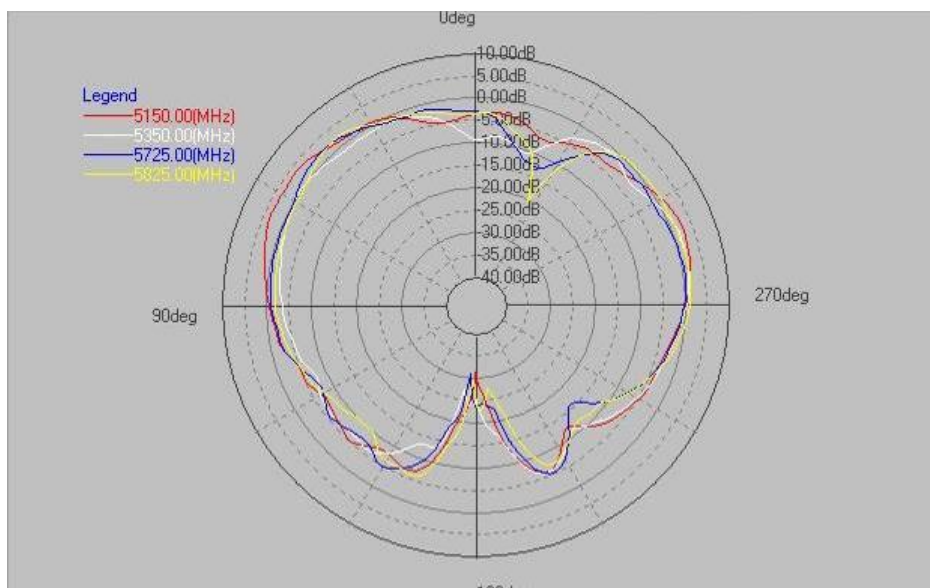


Y-Z Plane (E-total)

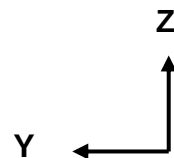
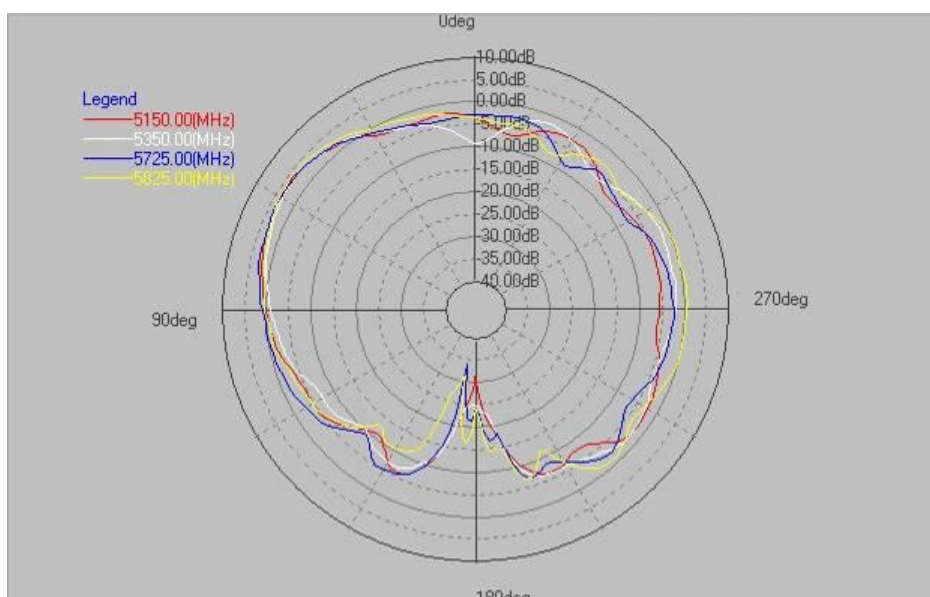


X-Y Plane (E-total)

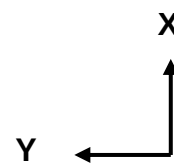
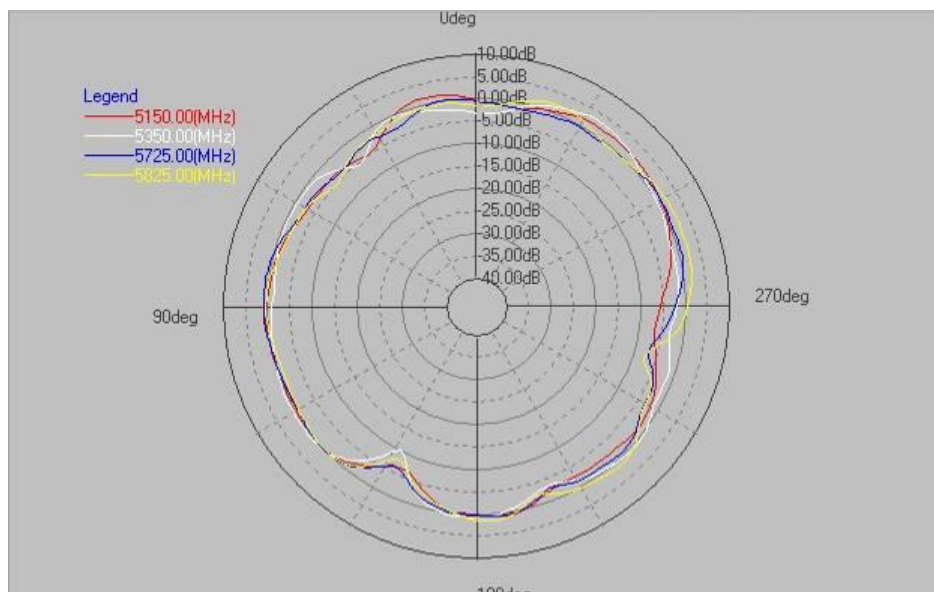
2.2.6 Ant 5G4



X-Z Plane (E-total)



Y-Z Plane (E-total)



X-Y Plane (E-total)

3. 3D Peak Gain & Efficiency

Frequency	Ant 2G1		Ant 2G2		Ant 5G1	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400 MHz	3.95	63.2%	3.87	71.1%	NA	NA
2450 MHz	4.22	61.7%	4.40	64.9%	NA	NA
2500 MHz	4.85	65.1%	4.13	66.2%	NA	NA
5150 MHz	NA	NA	NA	NA	NA	NA
5350 MHz	NA	NA	NA	NA	NA	NA
5725 MHz	NA	NA	NA	NA	4.83	70.5%
5825 MHz	NA	NA	NA	NA	4.90	73.4%

Frequency	Ant 5G2		Ant 5G3		Ant 5G4	
	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400 MHz	NA	NA	NA	NA	NA	NA
2450 MHz	NA	NA	NA	NA	NA	NA
2500 MHz	NA	NA	NA	NA	NA	NA
5150 MHz	NA	NA	4.18	72.8%	4.81	65.9%
5350 MHz	NA	NA	4.02	75.3%	4.20	68.6%
5725 MHz	4.05	65.8%	NA	NA	NA	NA
5825 MHz	4.18	63.4%	NA	NA	NA	NA