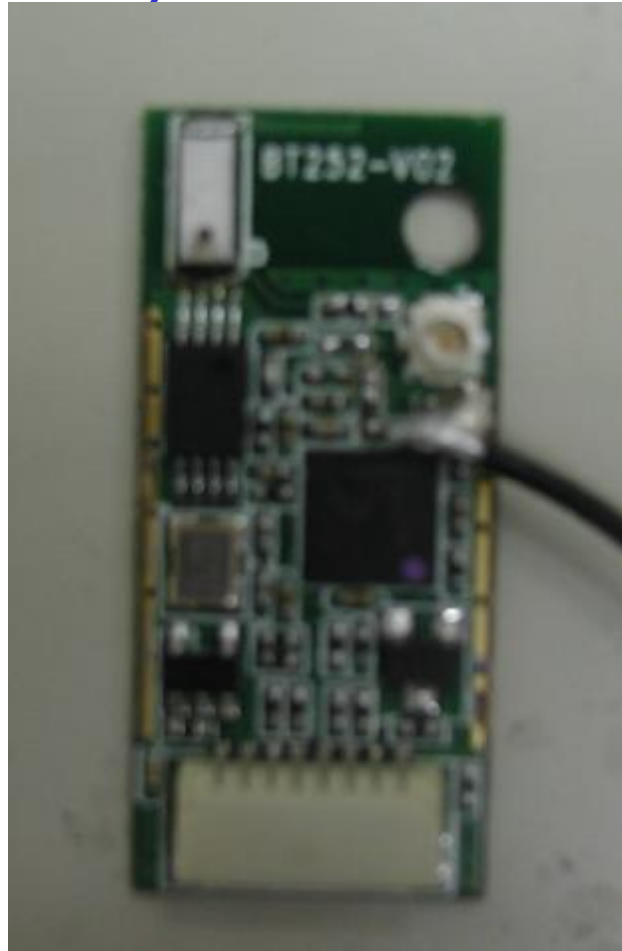
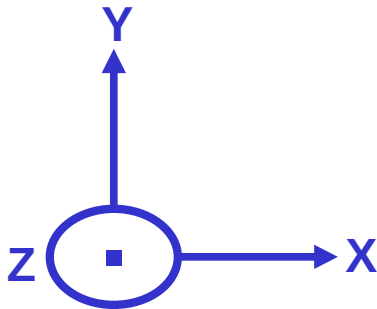




1. Experimental Setup

LTA-5320-2G4S3-A1(series 2.2n)



Ä Measurement Item :

- a. Return loss
- b. Radiation pattern

Ä Return Loss :

- a. Instrument : vector network analyzer – Agilent N5230A
- b. Calibration method : SOLT

Ä 3D Radiation Pattern :

- a. Instrument: Satimo StarLab

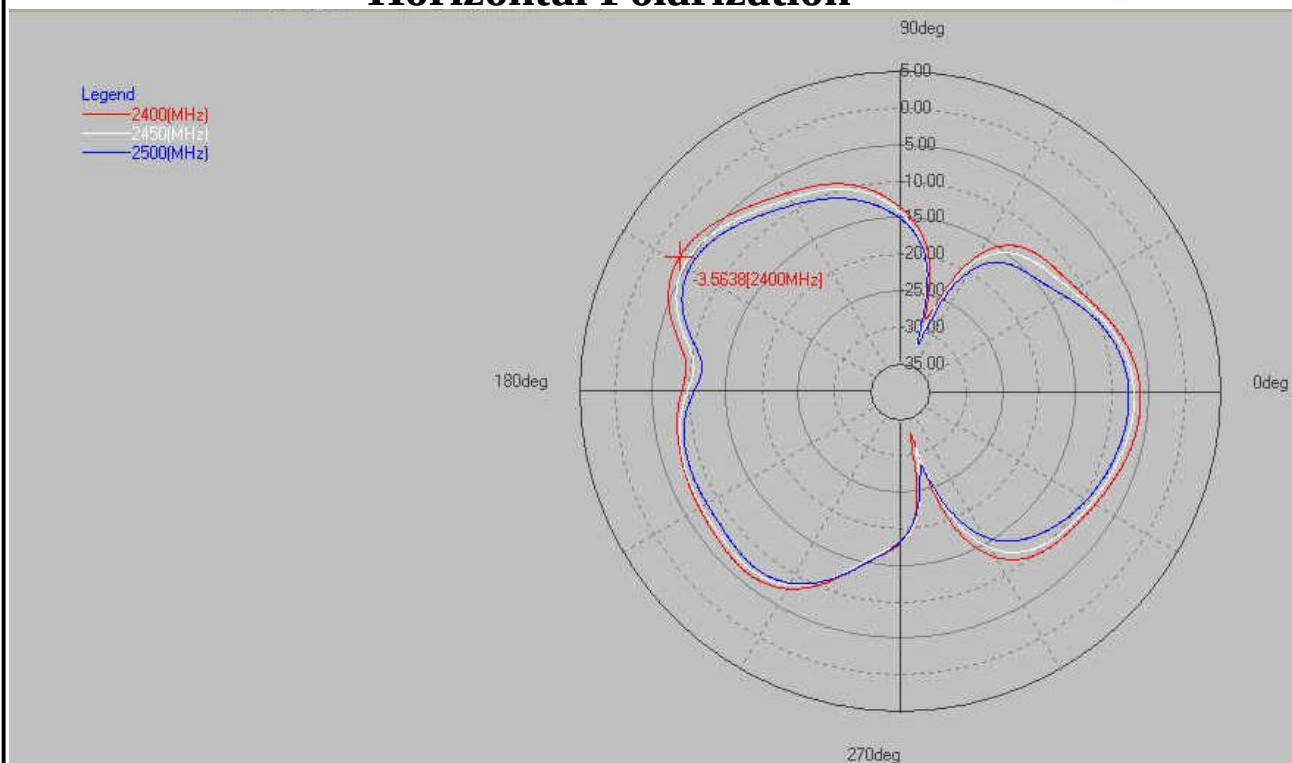
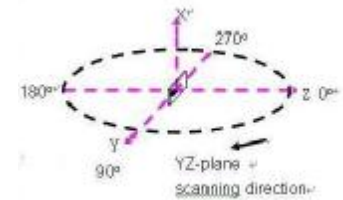


4. Radiation Patterns

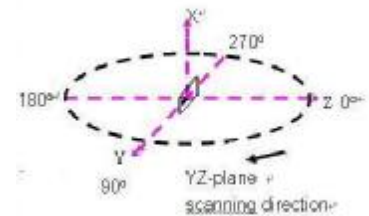
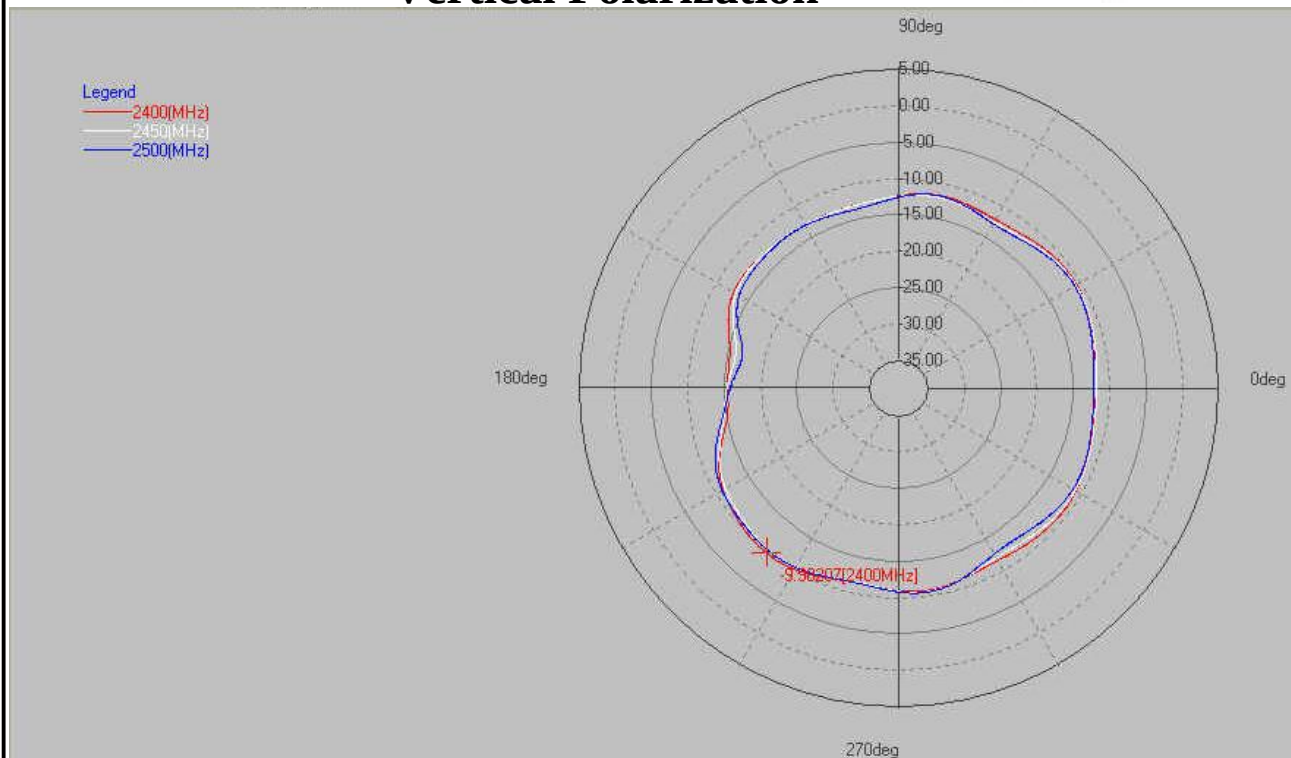
LTA-5320-2G4S3-A1(series 2.2n)

Y-Z Plane

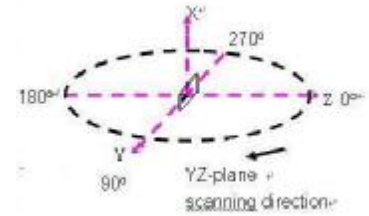
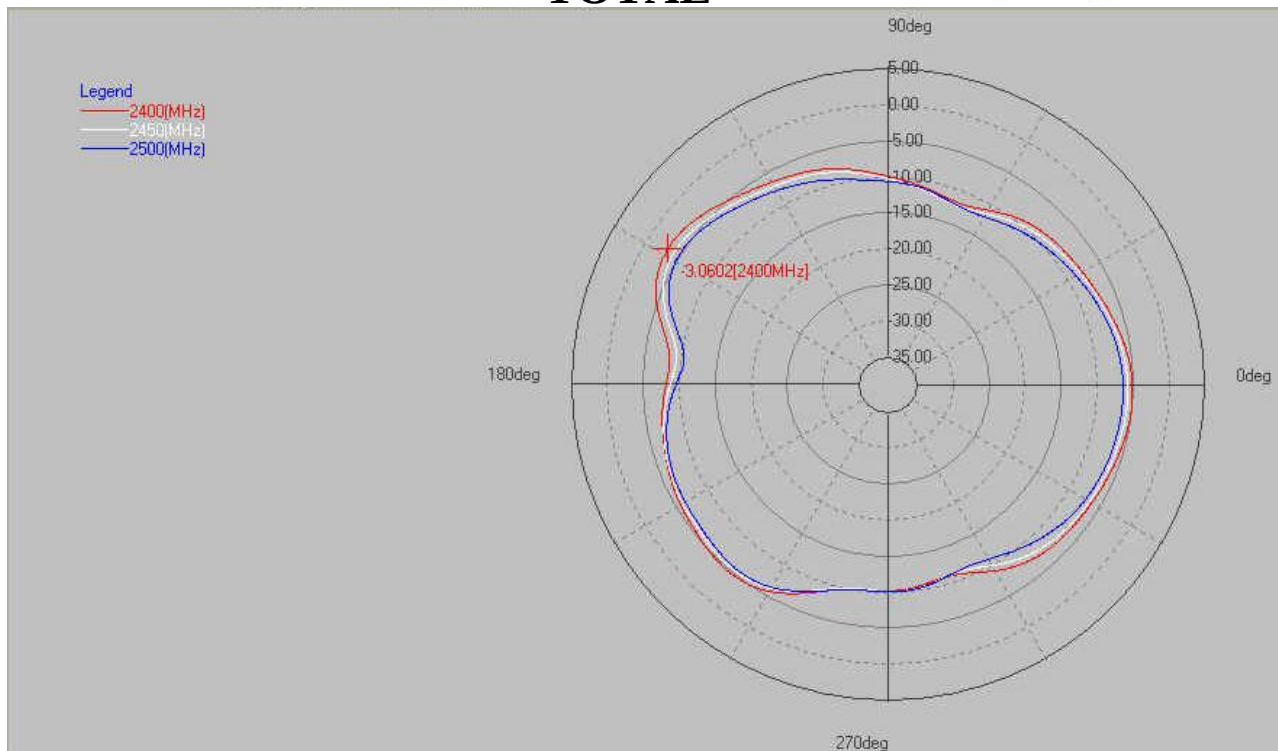
Horizontal Polarization



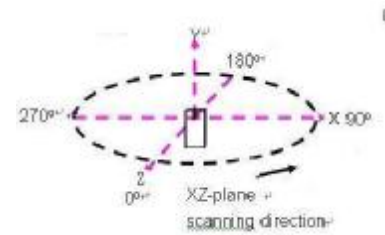
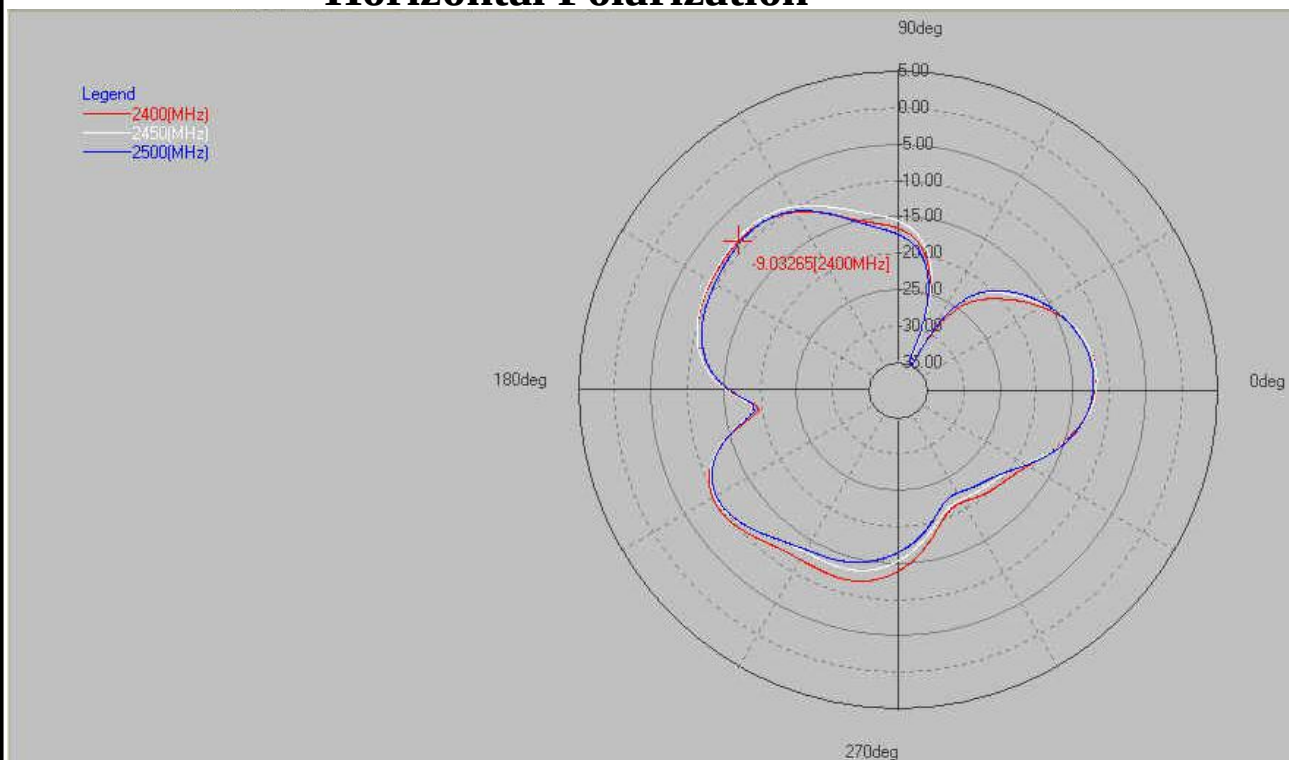
Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-3.56	-8.62
2.45	-4.67	-9.41
2.5	-5.51	-10.23

**Y-Z Plane****Vertical Polarization**

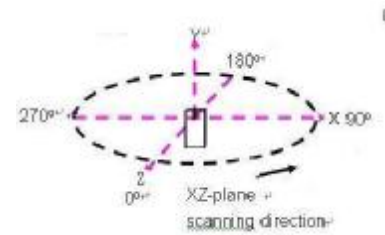
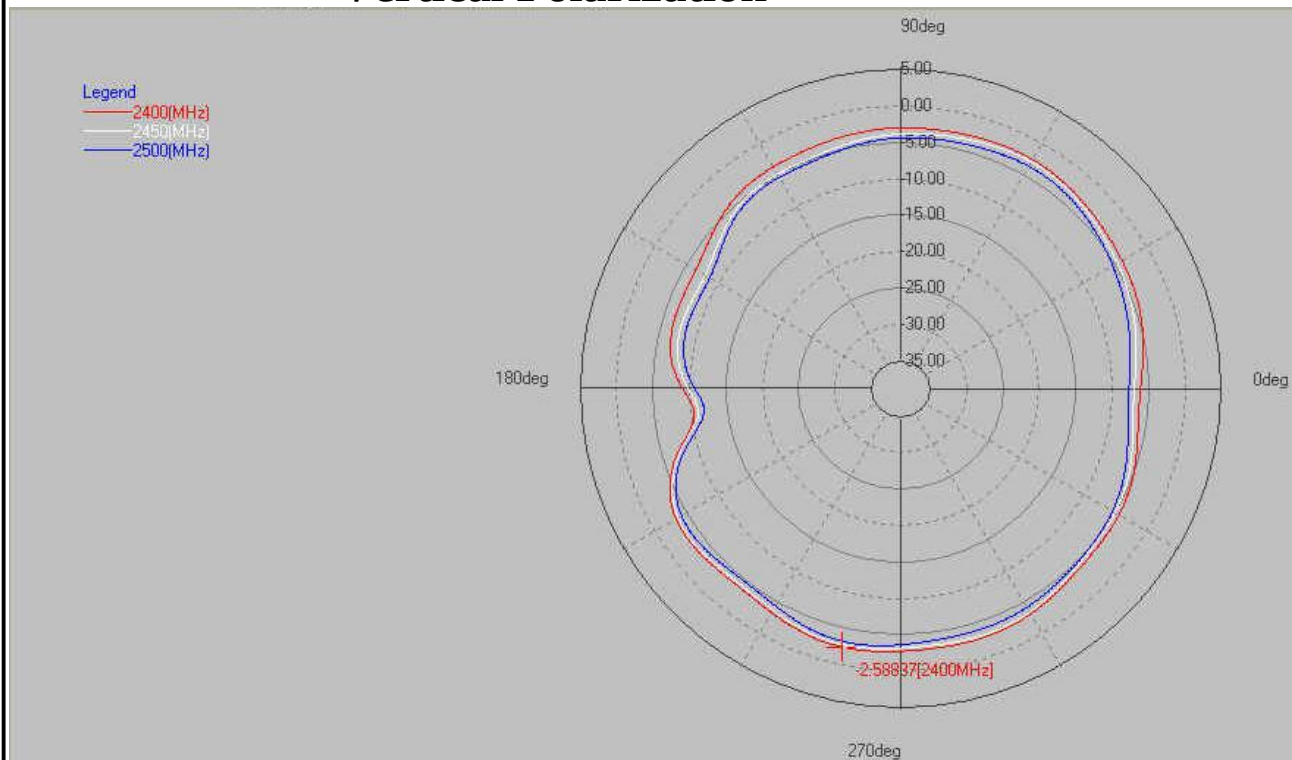
Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-9.9	-11.85
2.45	-10.41	-12.03
2.5	-10.31	-12.18

**Y-Z Plane****TOTAL**

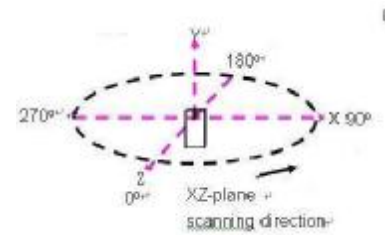
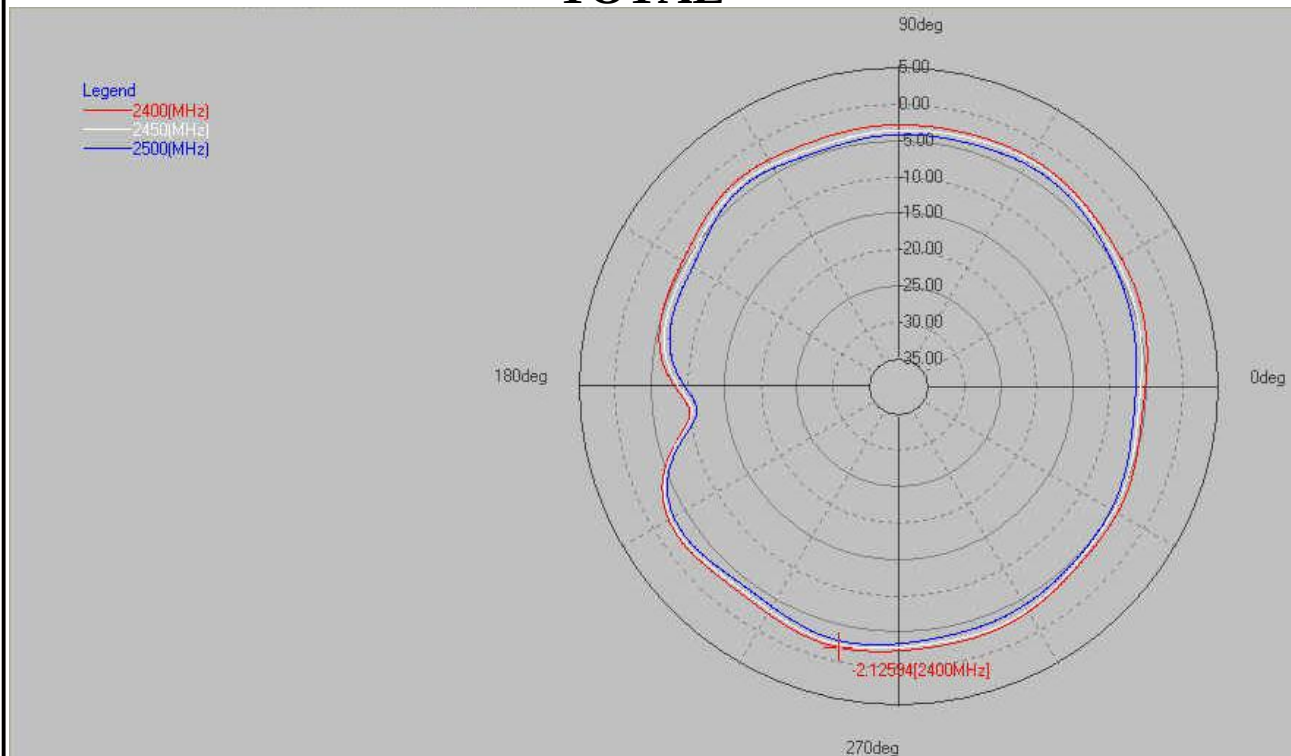
Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-3.06	-6.93
2.45	-4.08	-7.52
2.5	-4.88	-8.08

**X-Z Plane****Horizontal Polarization**

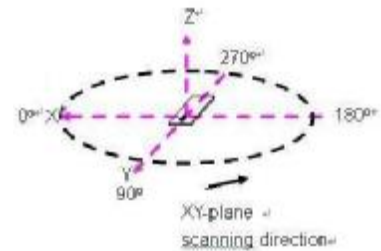
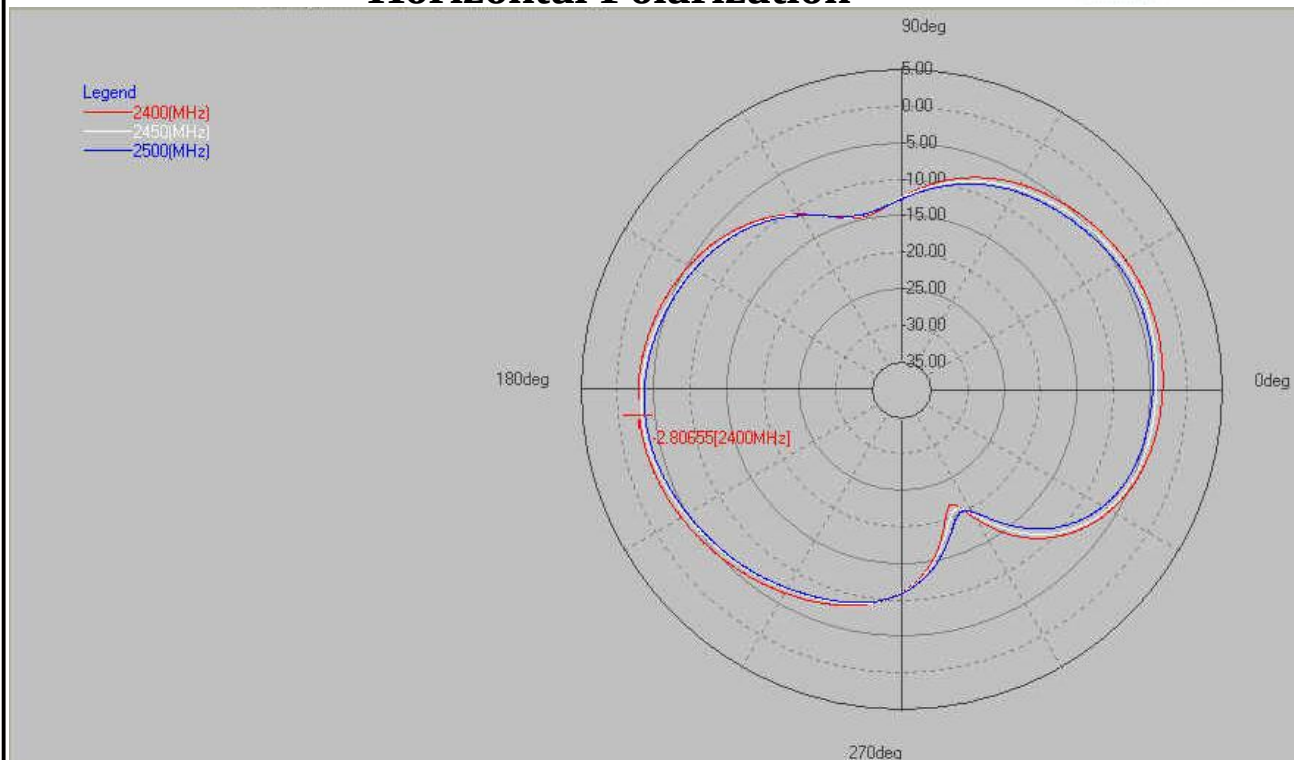
Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-9.03	-13.26
2.45	-8.64	-13.29
2.5	-9.21	-13.83

**X-Z Plane****Vertical Polarization**

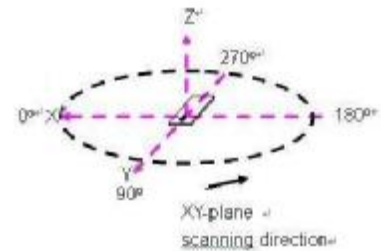
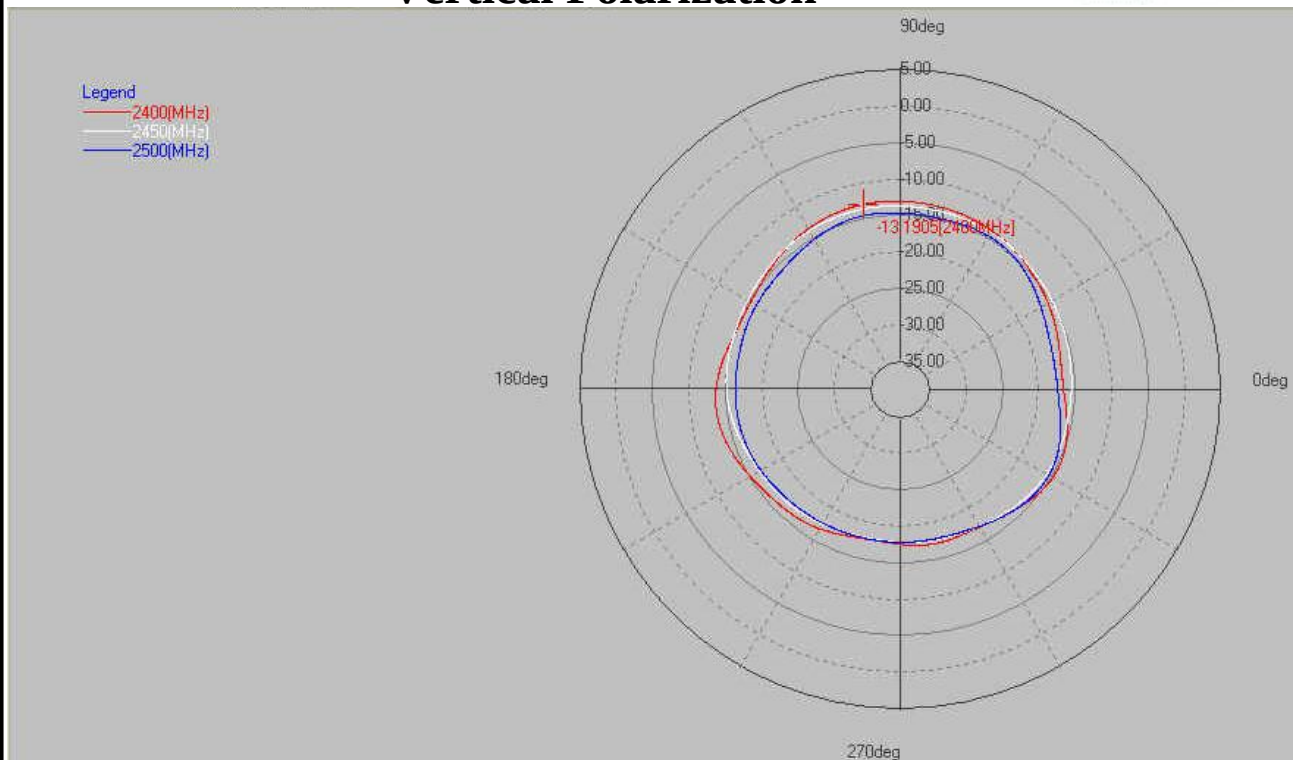
Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-2.59	-4.13
2.45	-2.93	-4.74
2.5	-3.37	-5.36

**X-Z Plane****TOTAL**

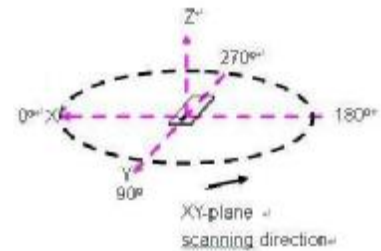
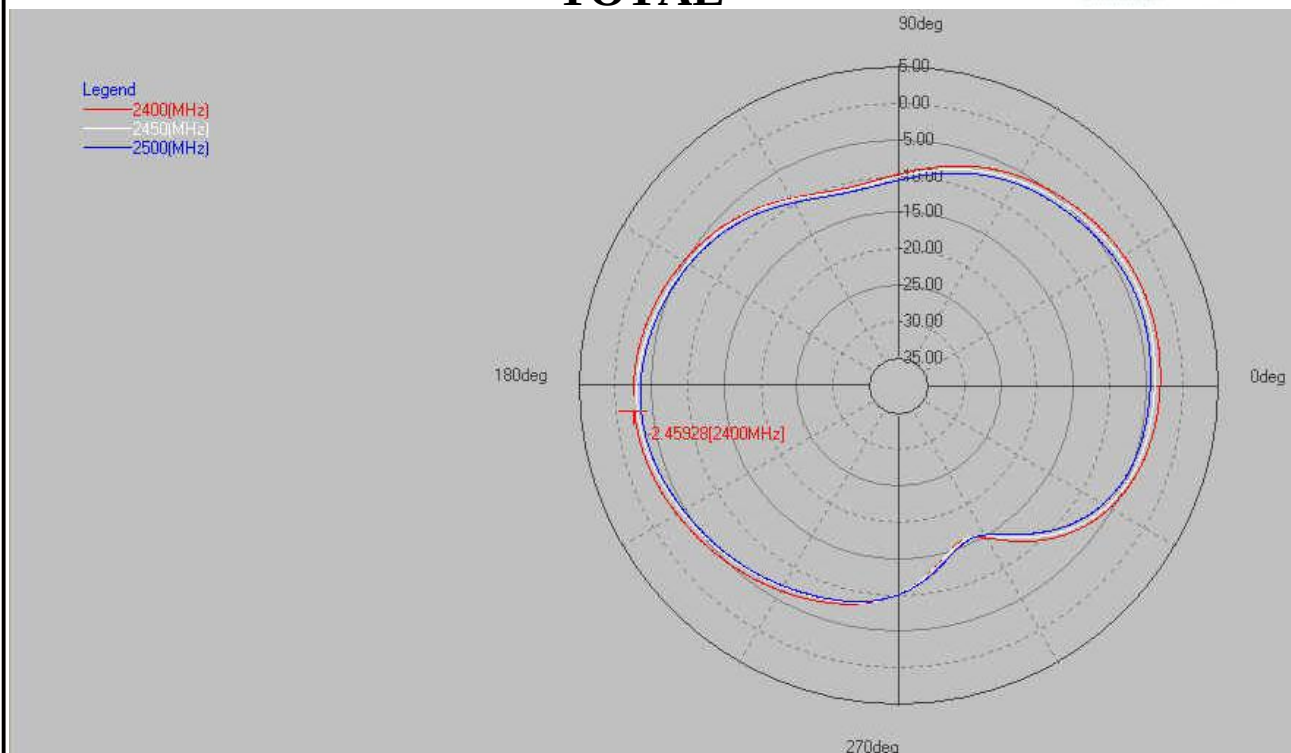
Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-2.13	-3.63
2.45	-2.57	-4.18
2.5	-3.07	-4.78

**X-Y Plane****Horizontal Polarization**

Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-2.81	-6.02
2.45	-3.19	-6.59
2.5	-3.64	-7

**X-Y Plane****Vertical Polarization**

Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-13.19	-15.09
2.45	-13.83	-15.45
2.5	-14.73	-16.29

**X-Y Plane****TOTAL**

Frequency(GHz)	Max Value(dBi)	Average(dBi)
2.4	-2.46	-5.51
2.45	-2.94	-6.06
2.5	-3.42	-6.52