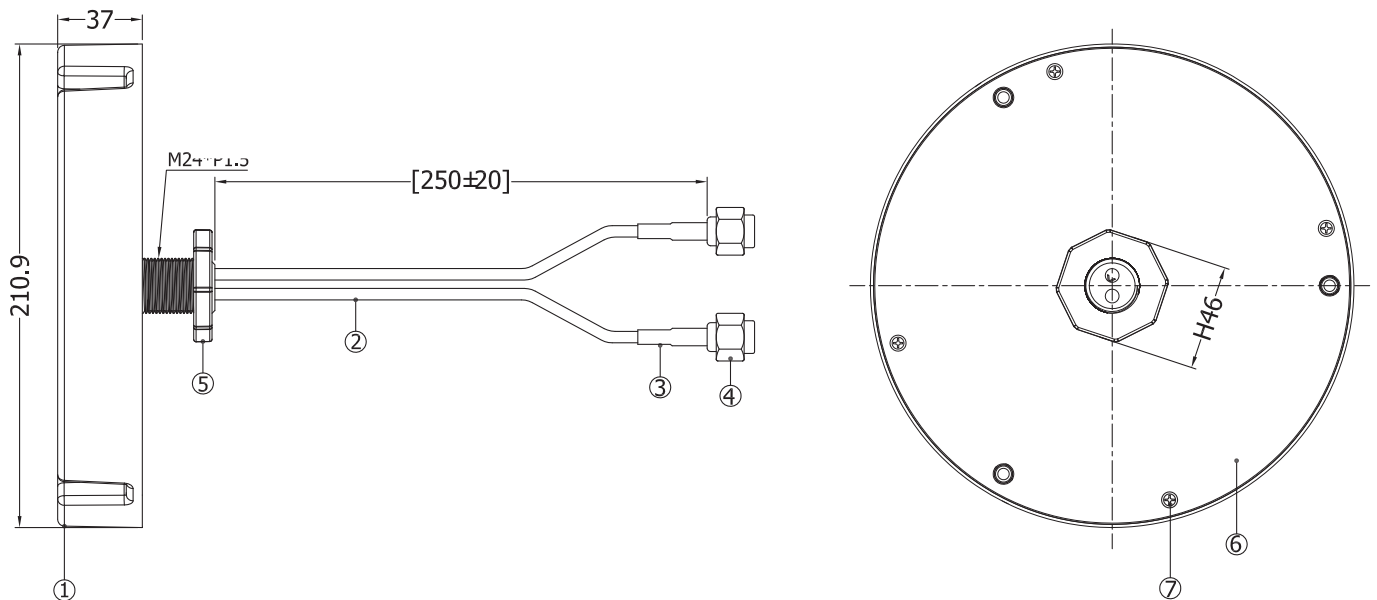


RF Antenna Assembly

Specification

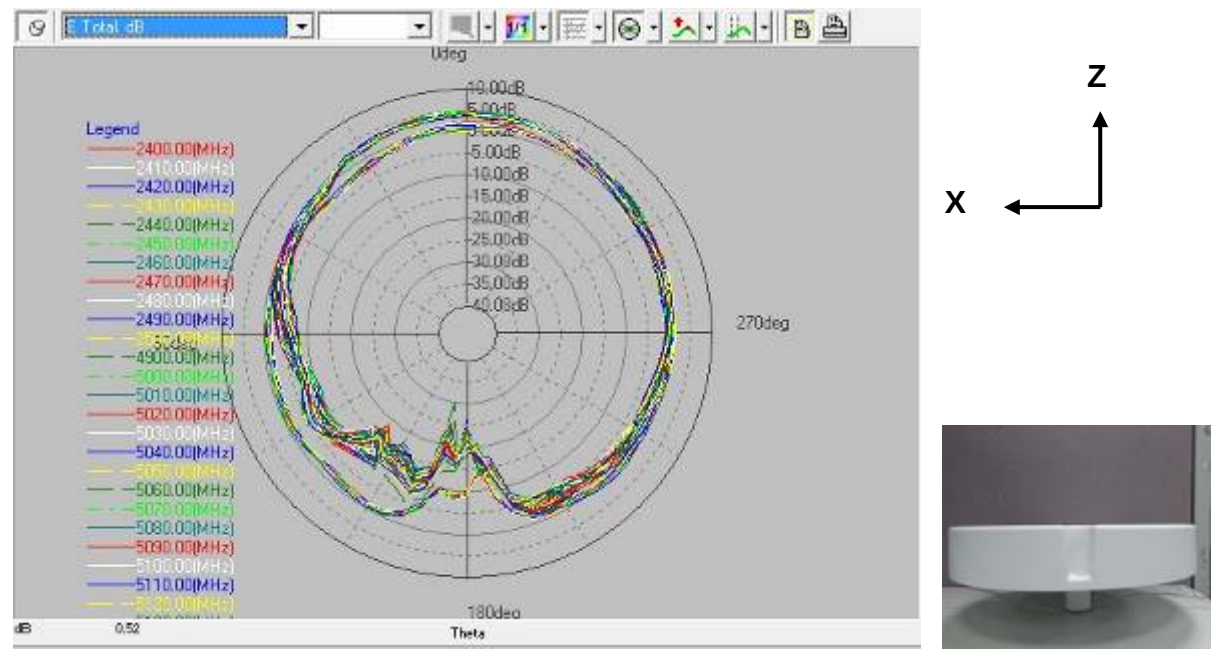
1. Electrical Properties :

- 1.1 Frequency Range.....2.4~ 2.5GHz ;4.9~5.9GHz
- 1.2 Impedance50Ω Nominal
- 1.3 VSWR1.92 :1Max.
- 1.4 Return Loss.....-10 dB Max.
- 1.5 RadiationOmni-directional
- 1.6 Gain(peak)..... $2\pm0.5\text{dBi}$ @ 2.4GHz ~ 2.5GHz
 $5\pm1.0\text{dBi}$ @ 4.9GHz ~ 5.9GHz
- 1.7 Polarization.....Linearl
- 1.8 Cable.....RG-178 Coaxial Cable
- 1.9 Connector.....SMA Plug Reverse

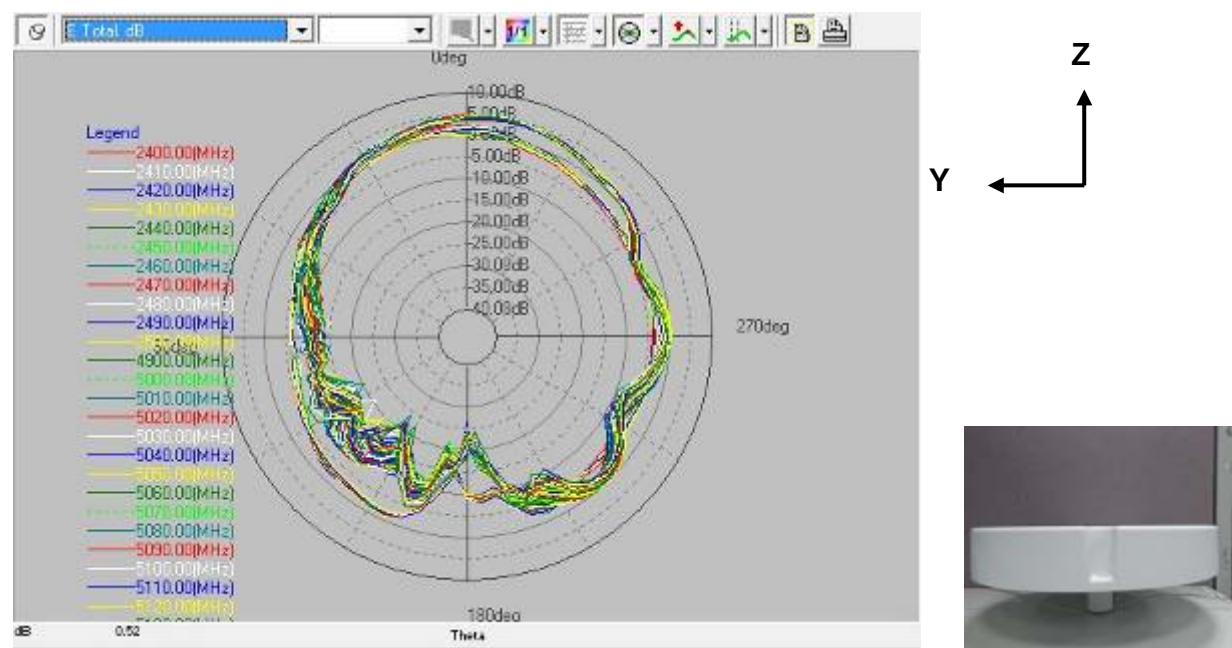


4.2 2D patterns

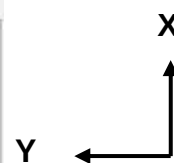
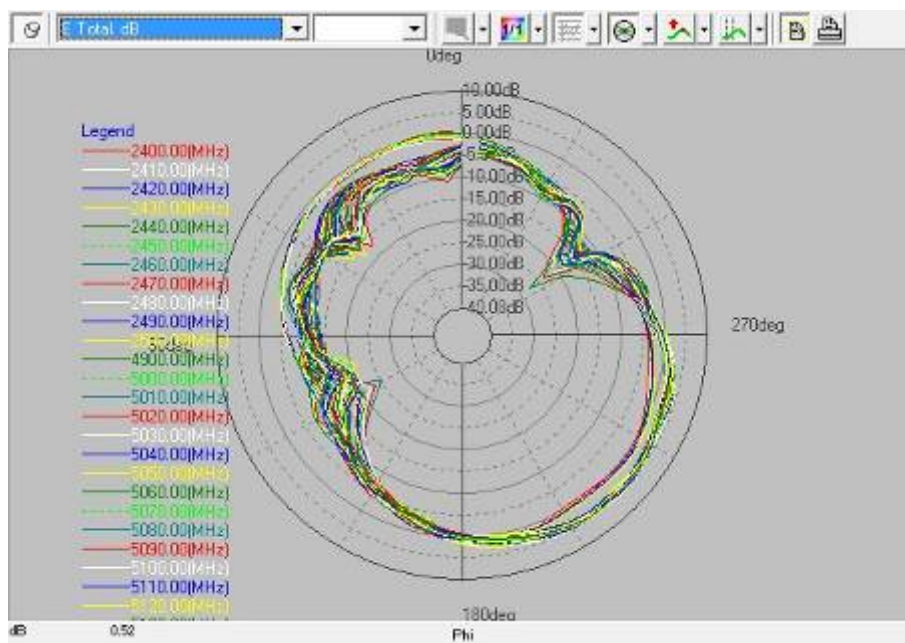
4.2.1 Ant 1



X-Z Plane



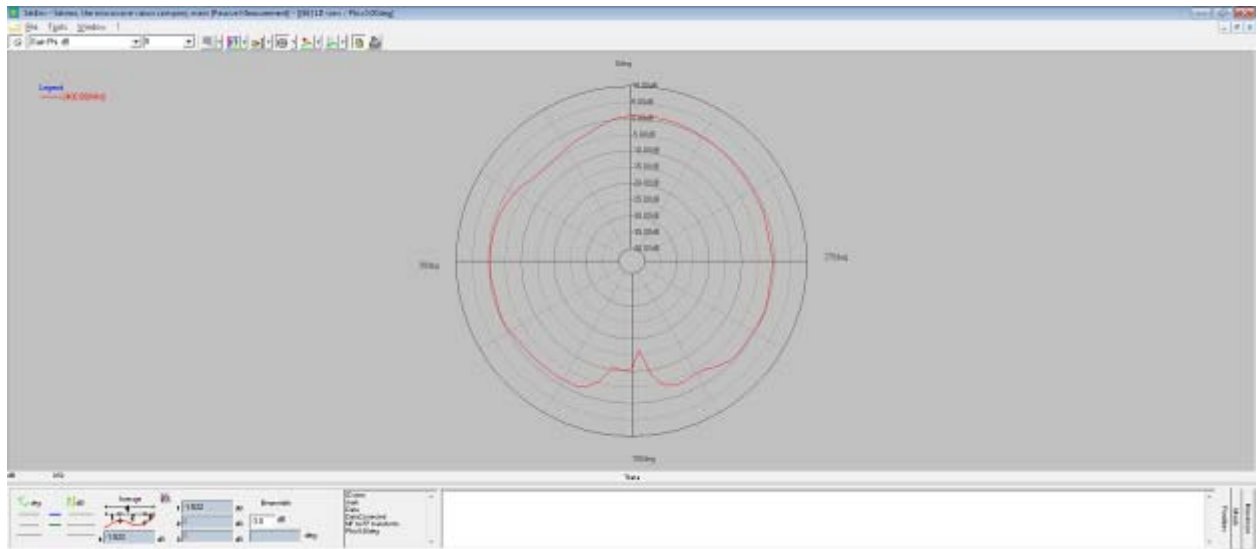
Y-Z Plane



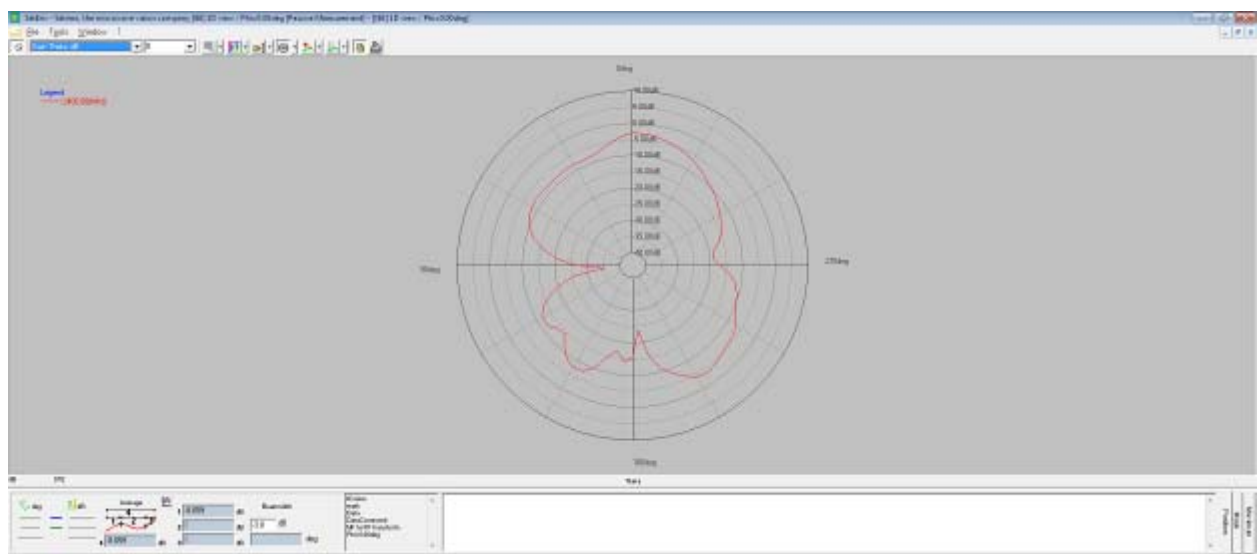
X-Y Plane

4.3 co port & cross port-Ant1

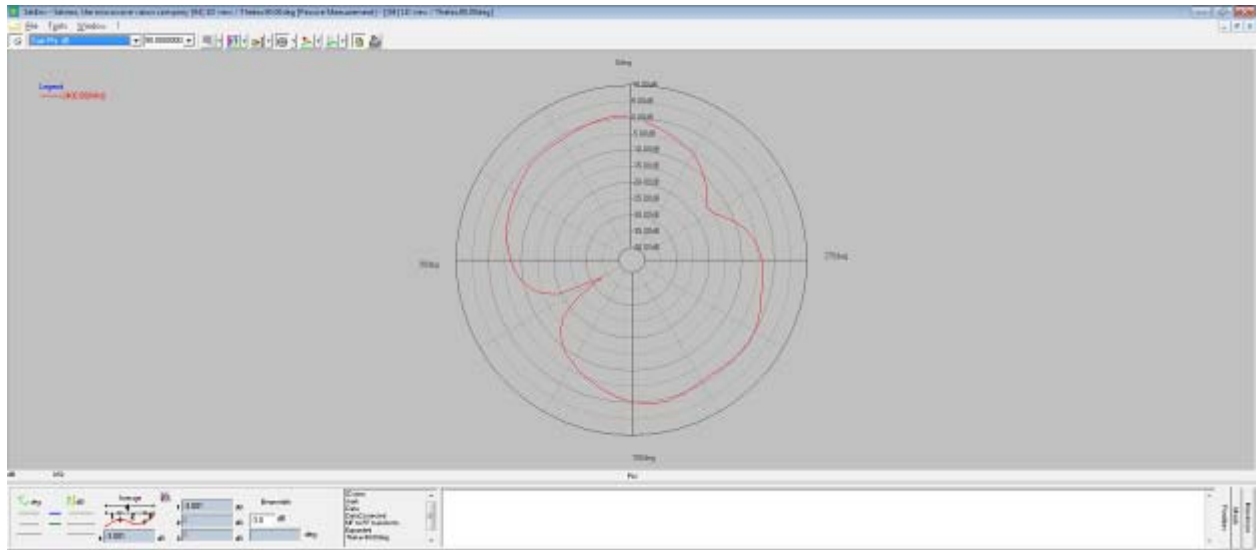
4.3.1 2400MHz



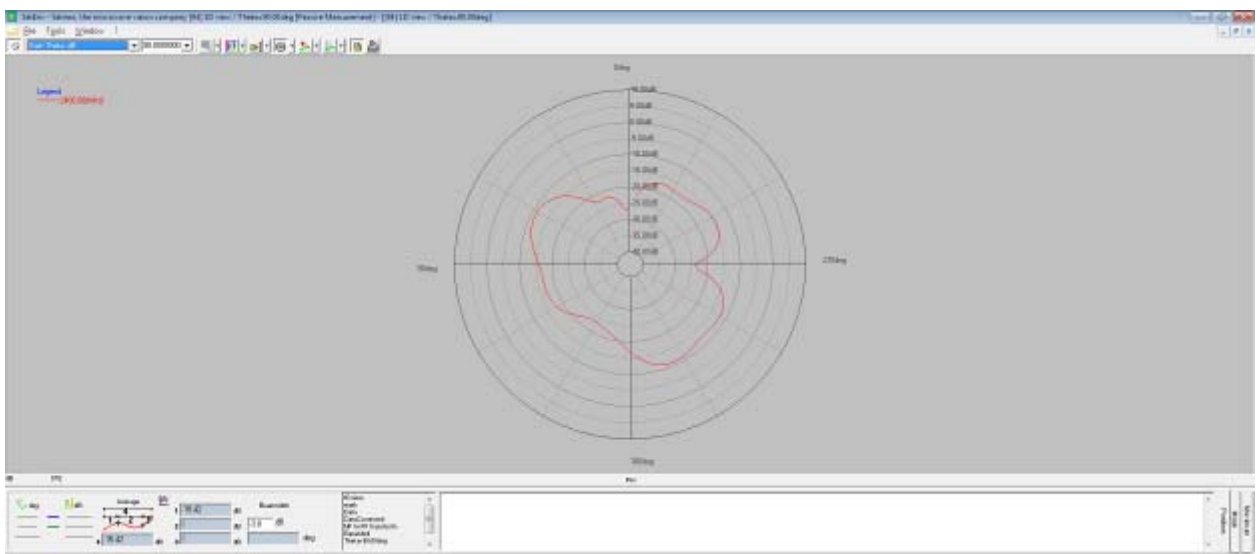
XZ-Phi



XZ-Theta

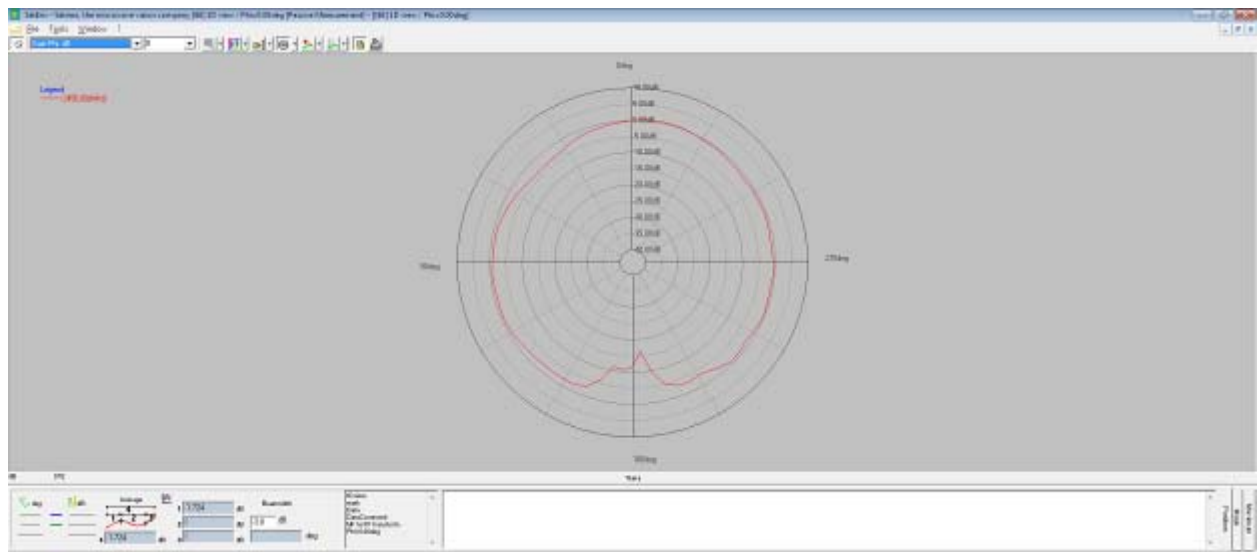


XY-Phi

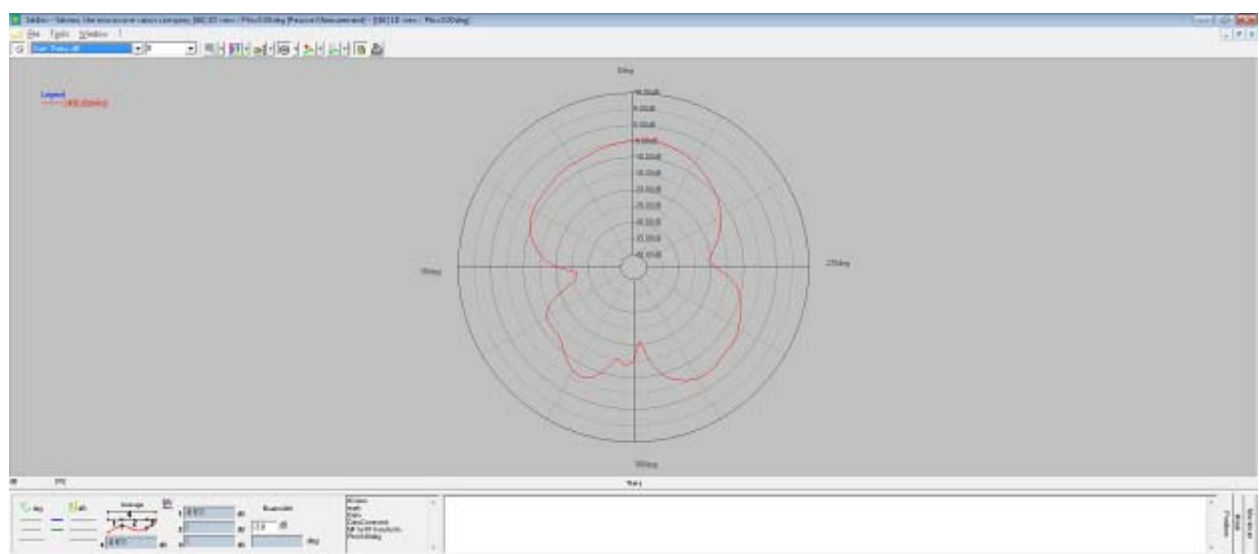


XY-Theta

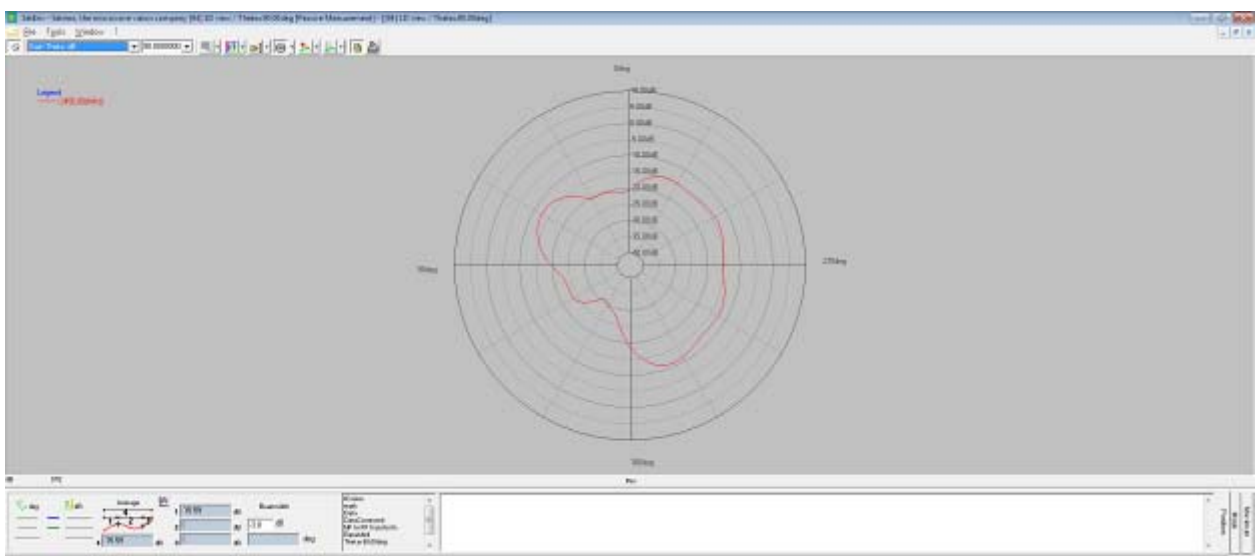
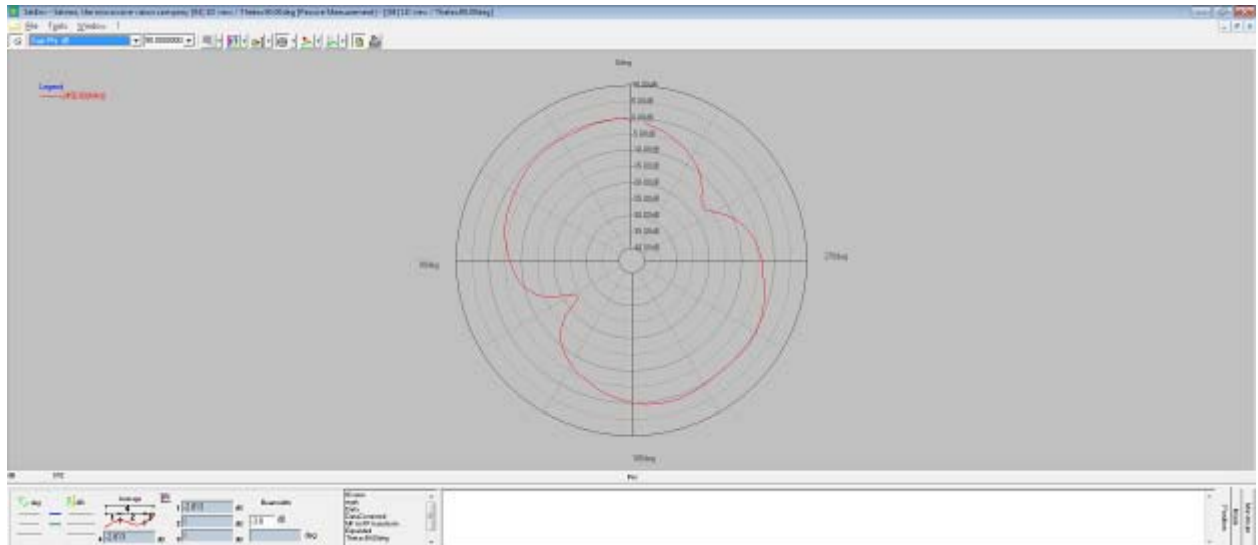
4.3.2 2450MHz



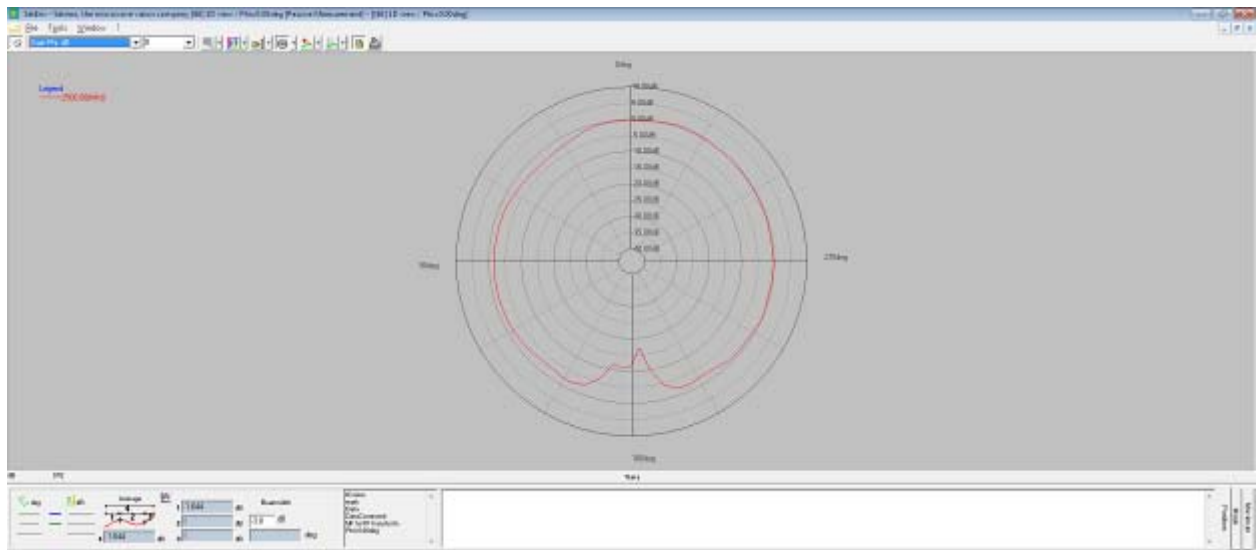
XZ-Phi



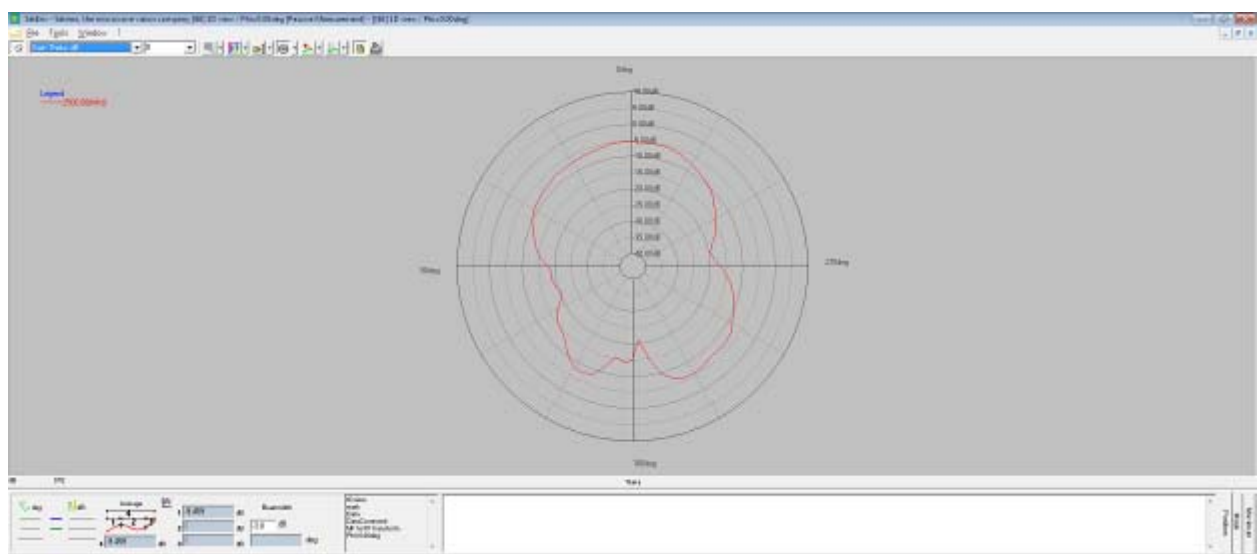
XZ-Theta



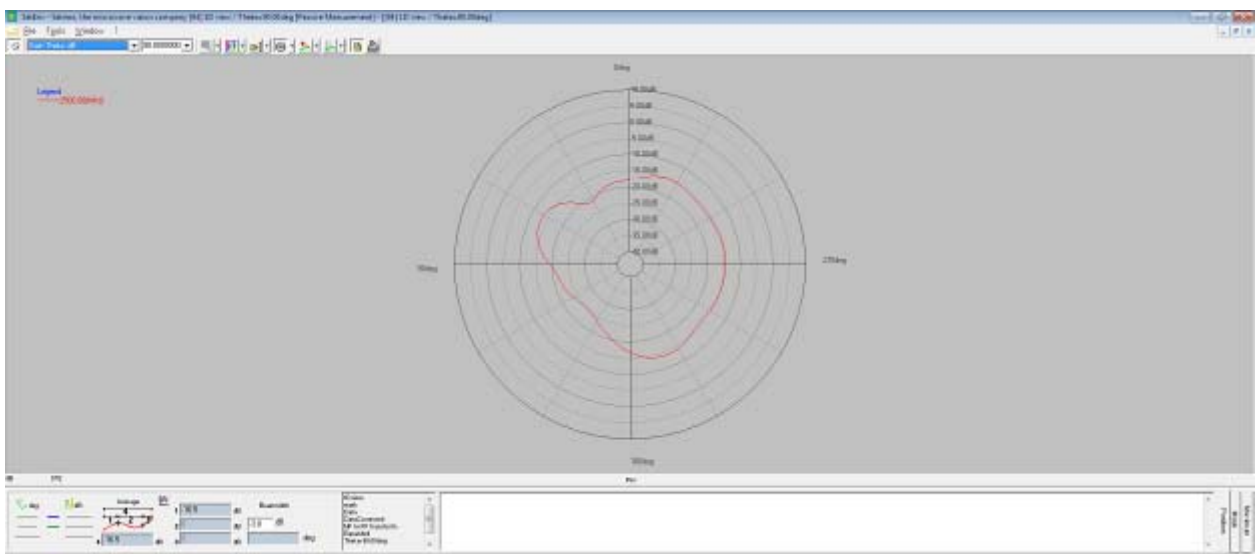
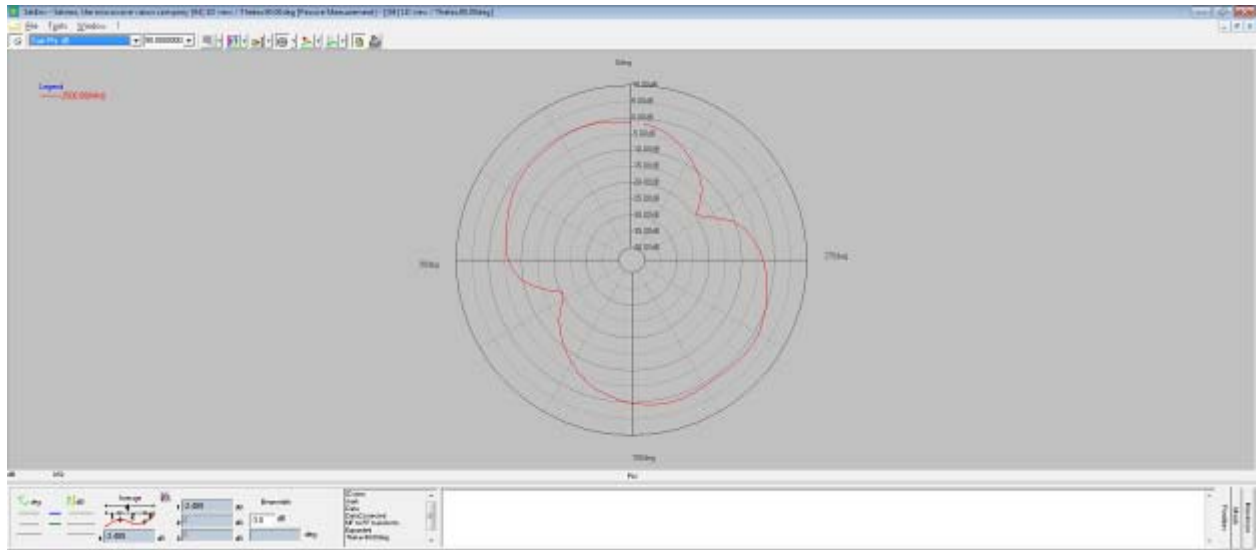
4.3.3 2500MHz



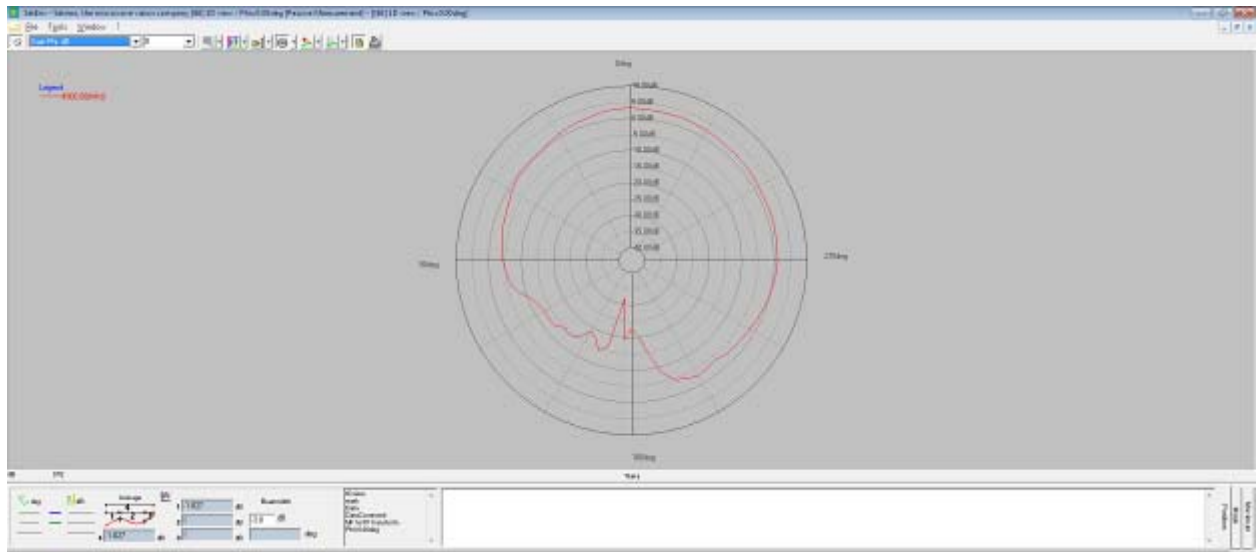
XZ-Phi



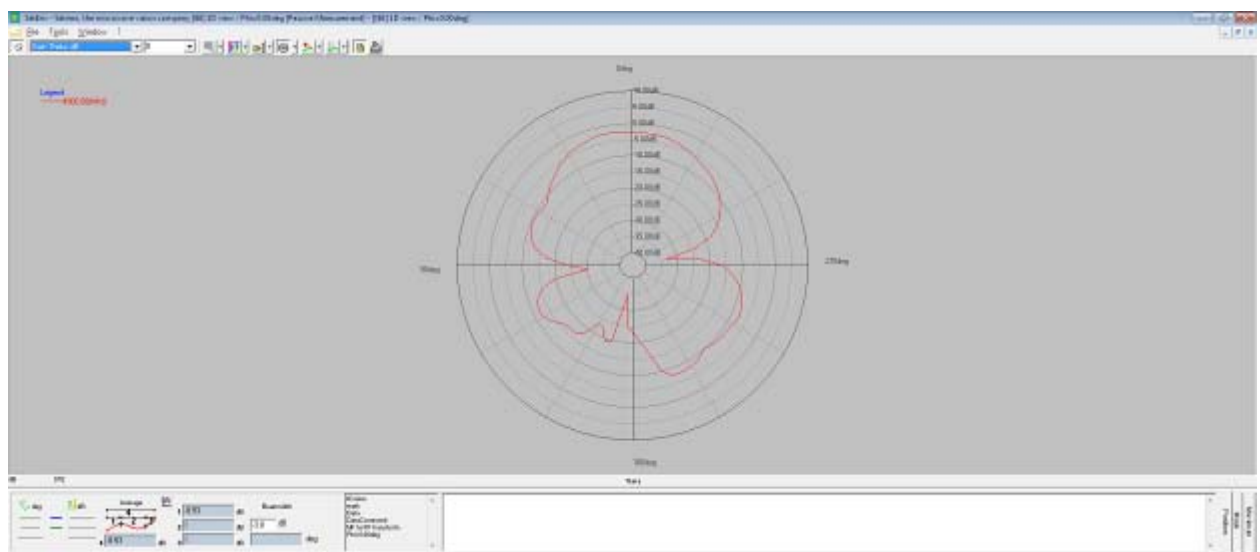
XZ-Theta



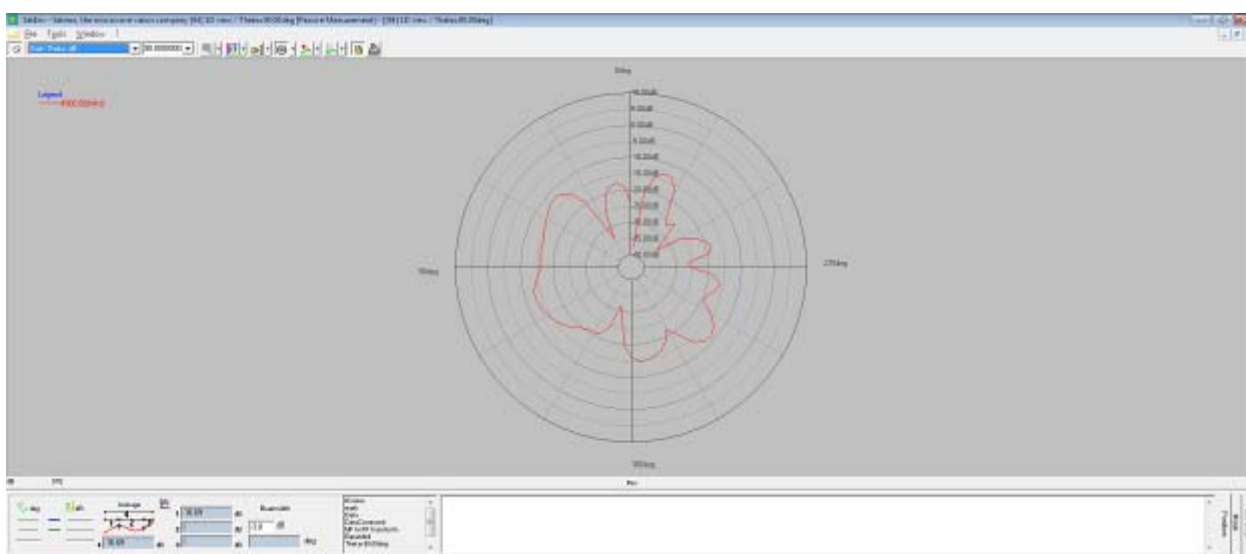
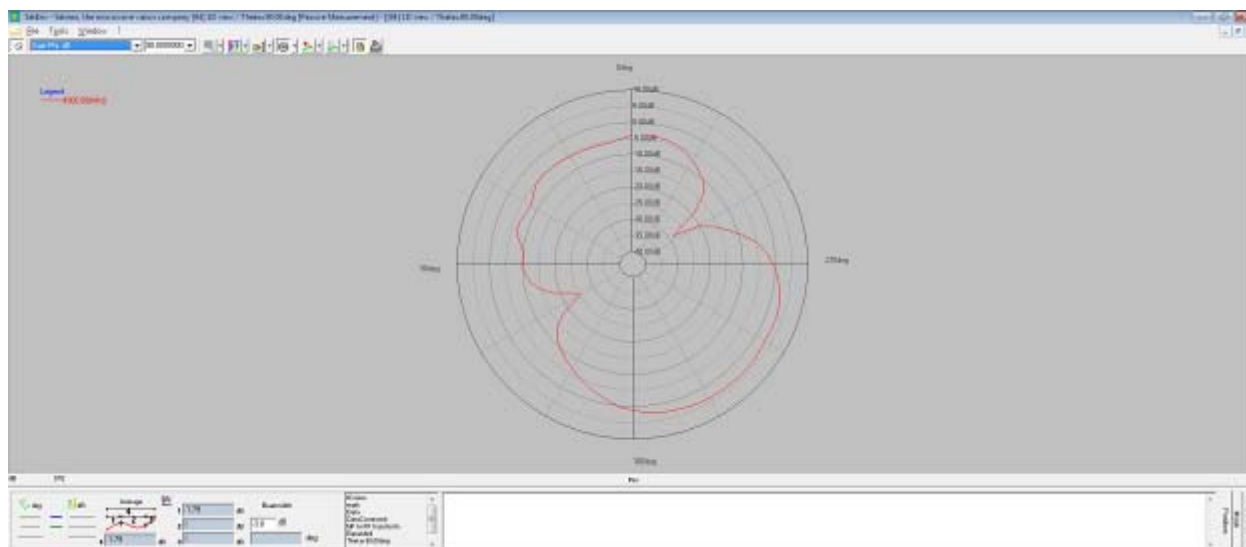
4.3.4 4900MHz



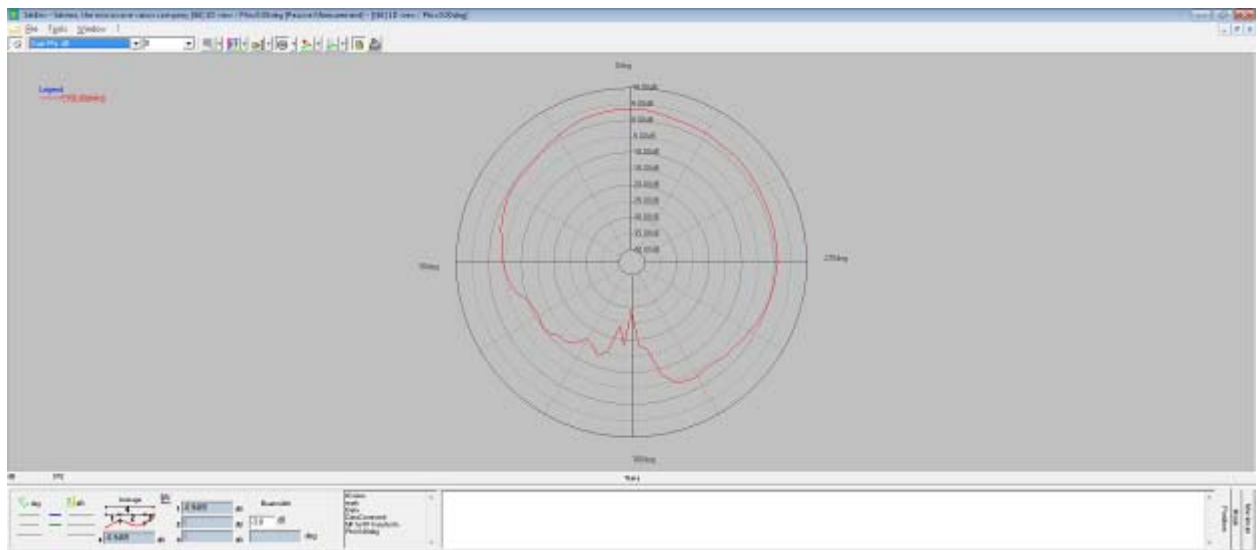
XZ-Phi



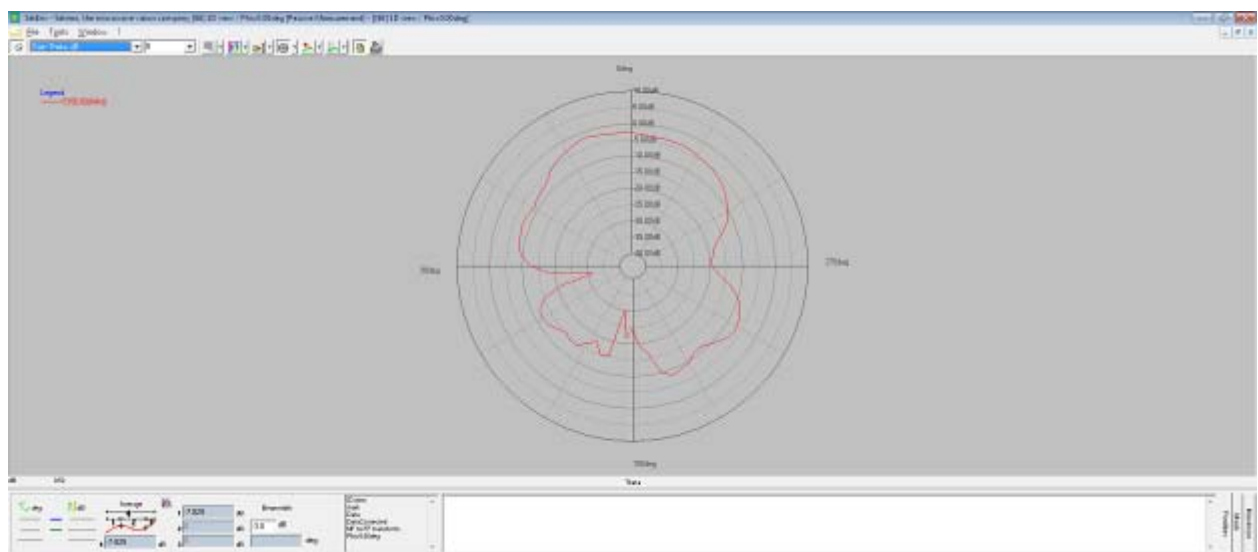
XZ-Theta



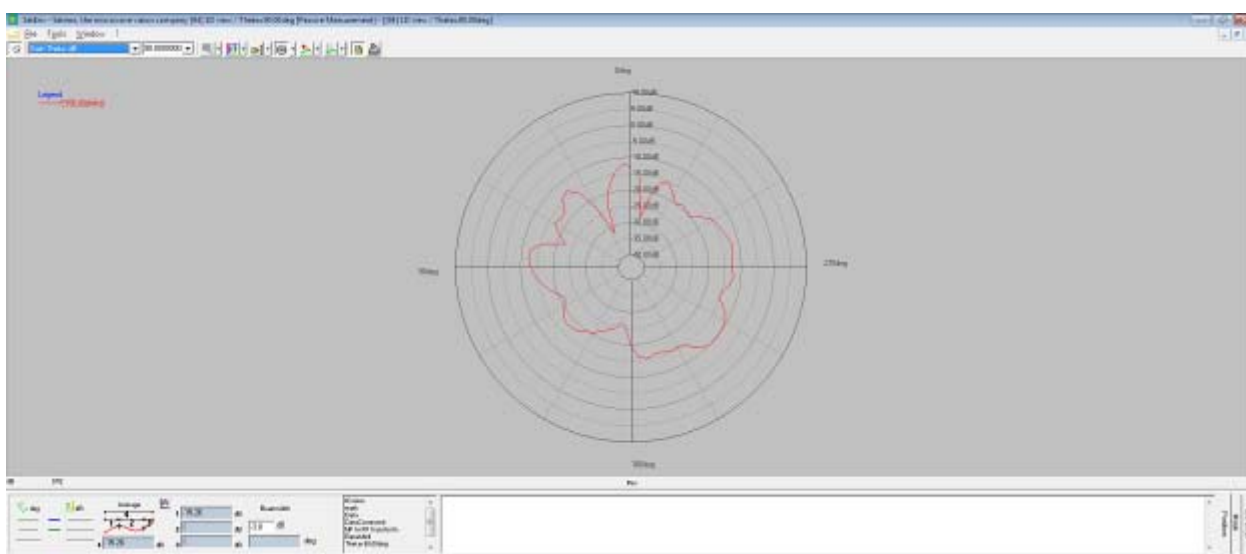
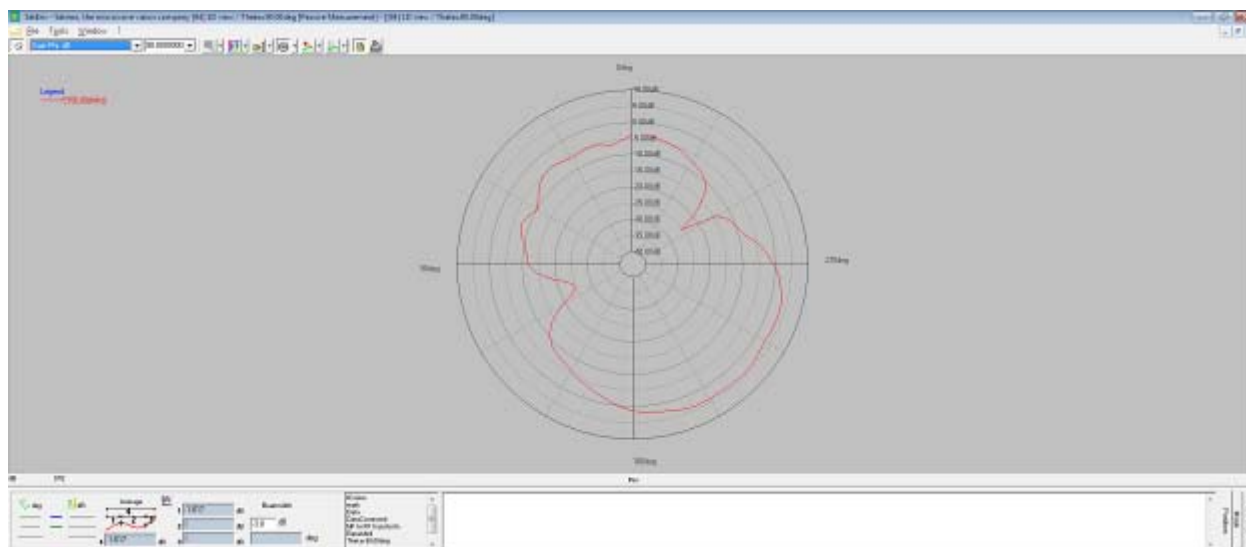
4.3.5 5150MHz



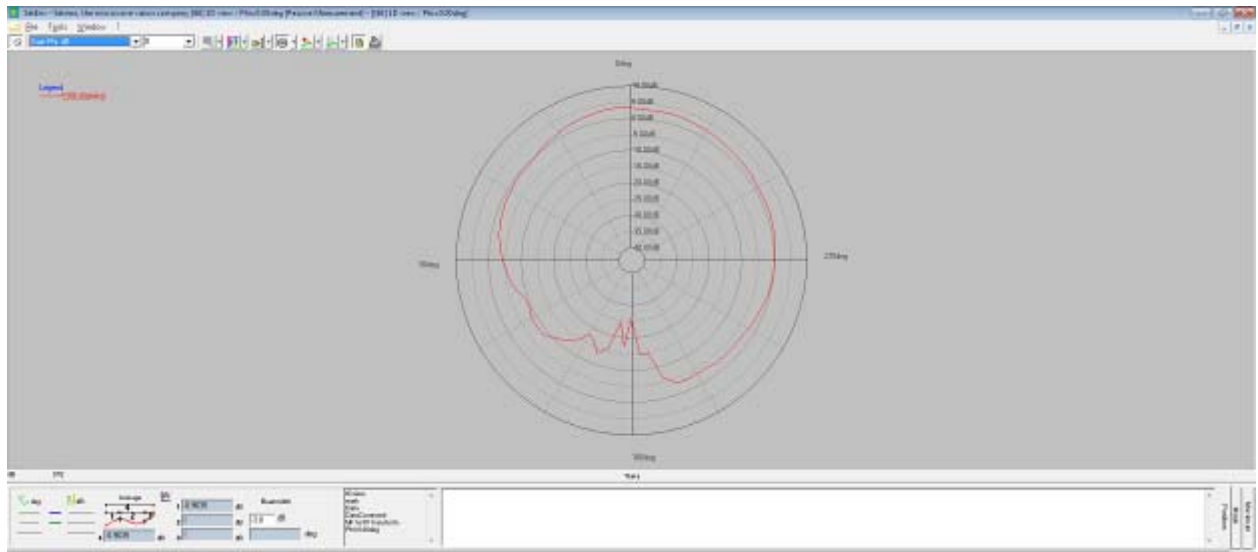
XZ-Phi



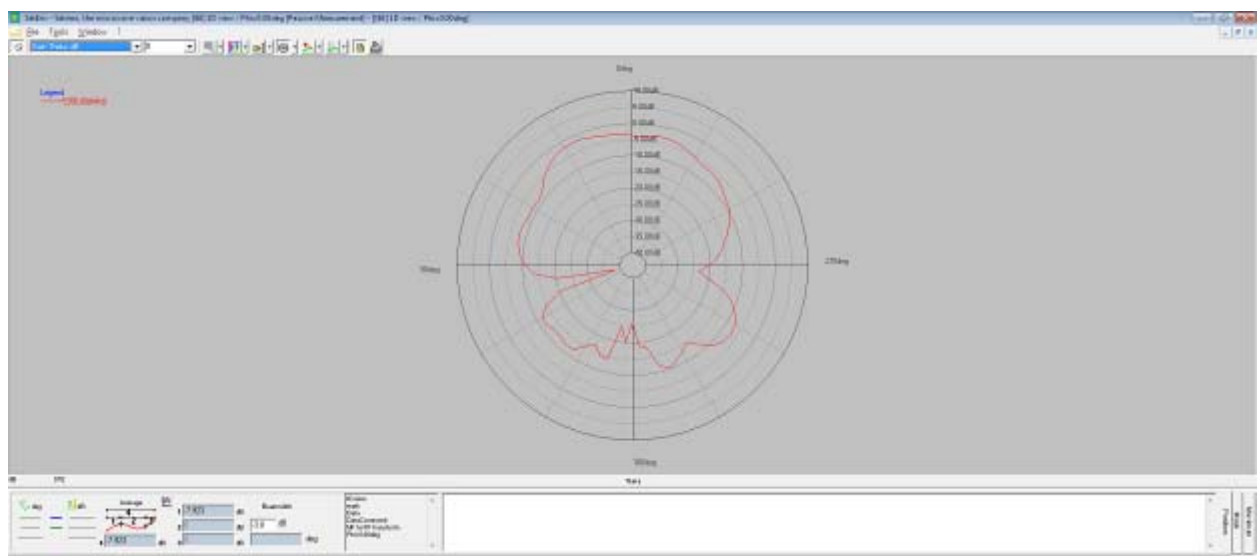
XZ-Theta



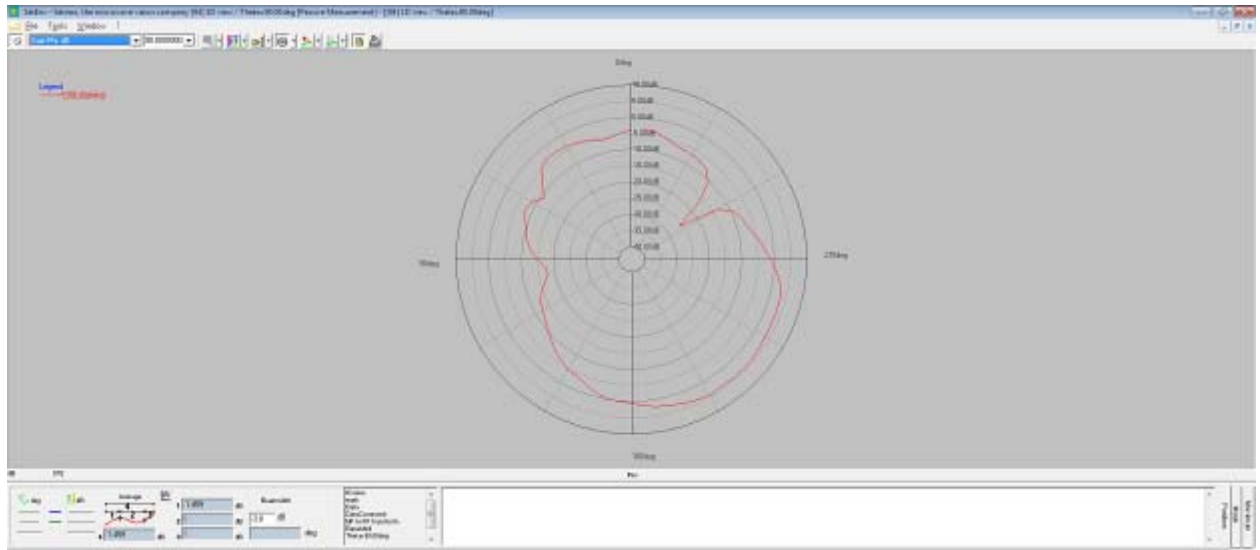
4.3.6 5350MHz



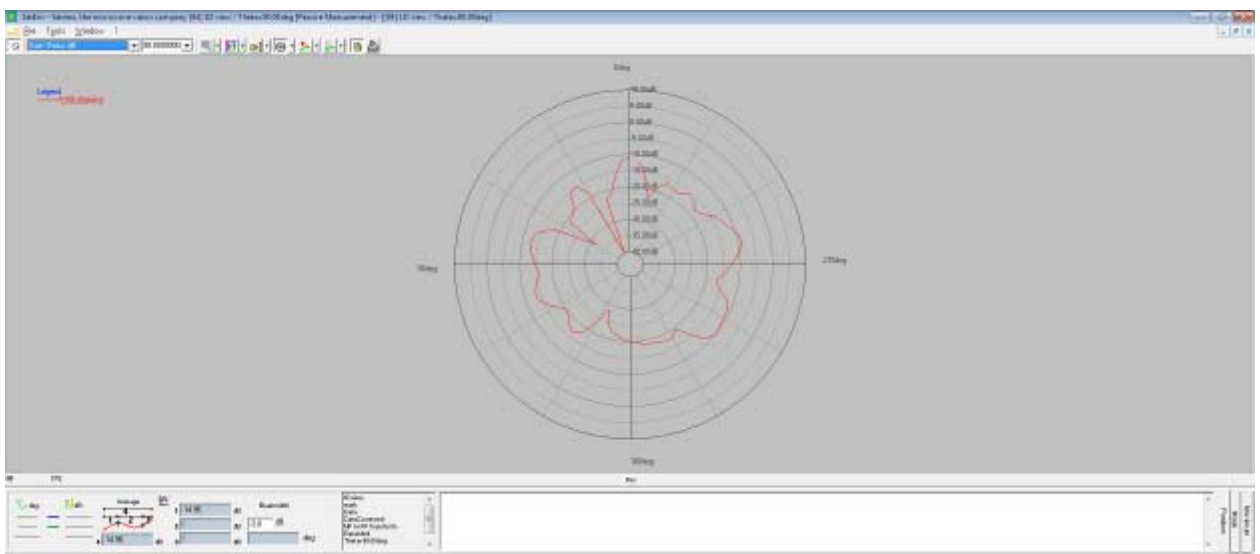
XZ-Phi



XZ-Theta

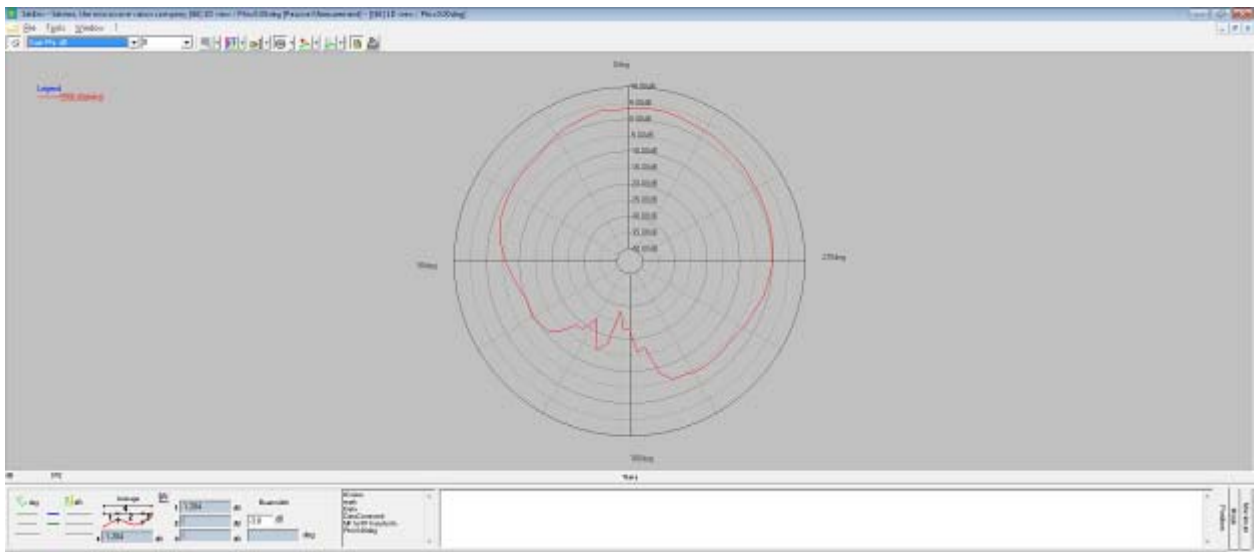


XY-Phi

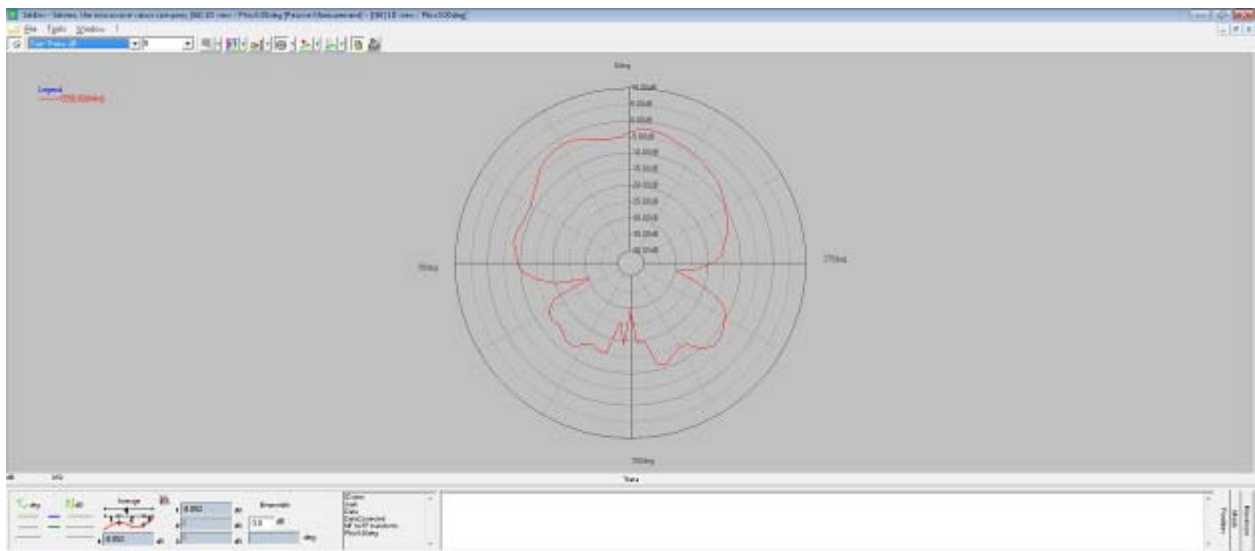


XY-Theta

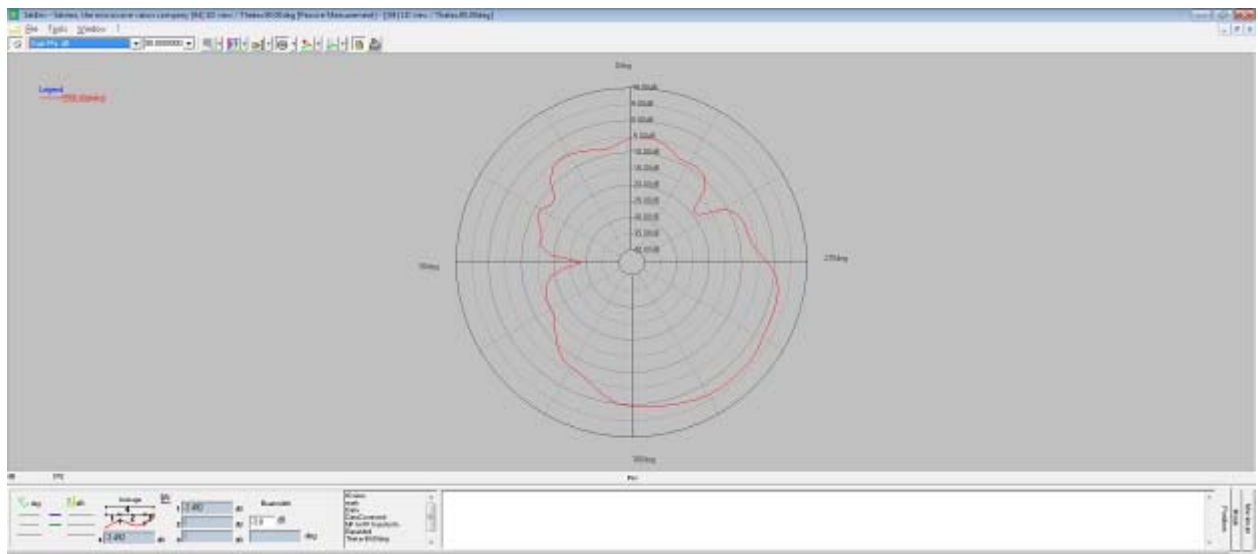
4.3.7 5550MHz



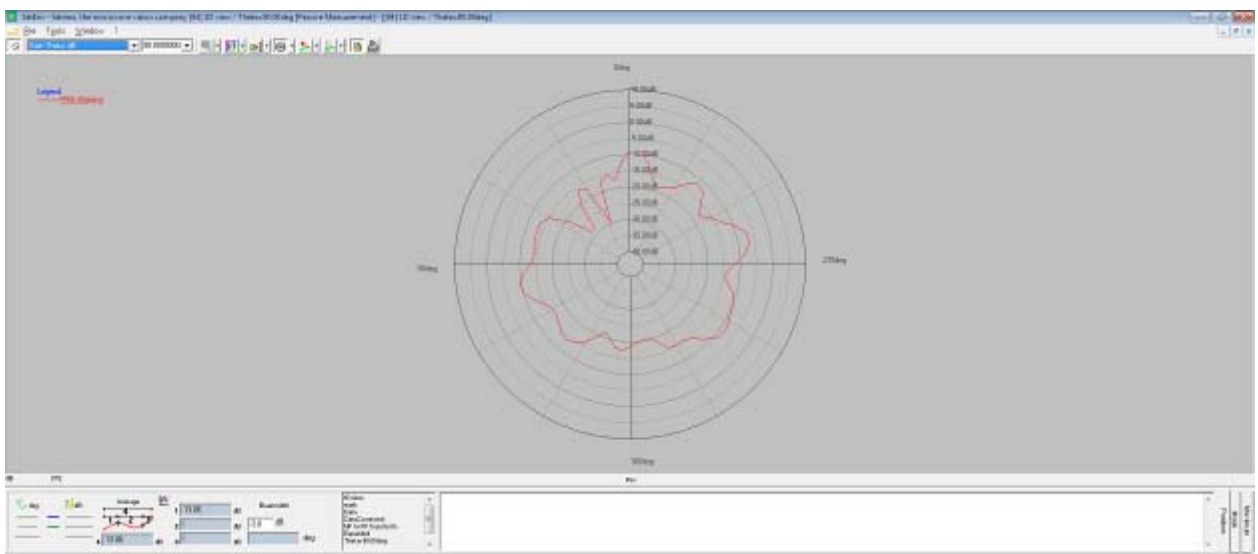
XZ-Phi



XZ-Theta

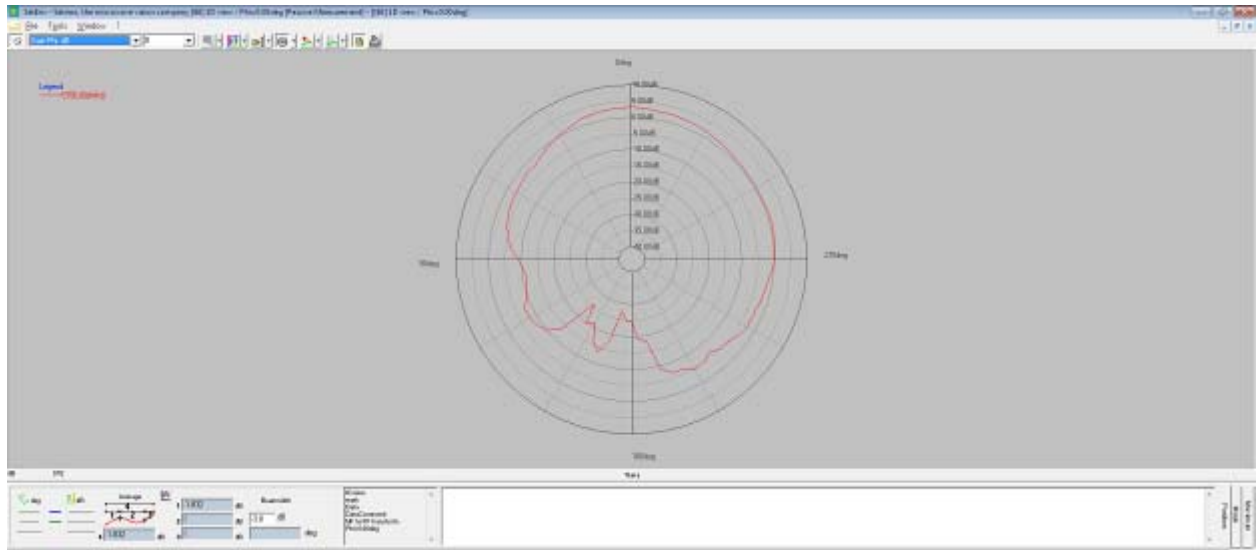


XY-Phi

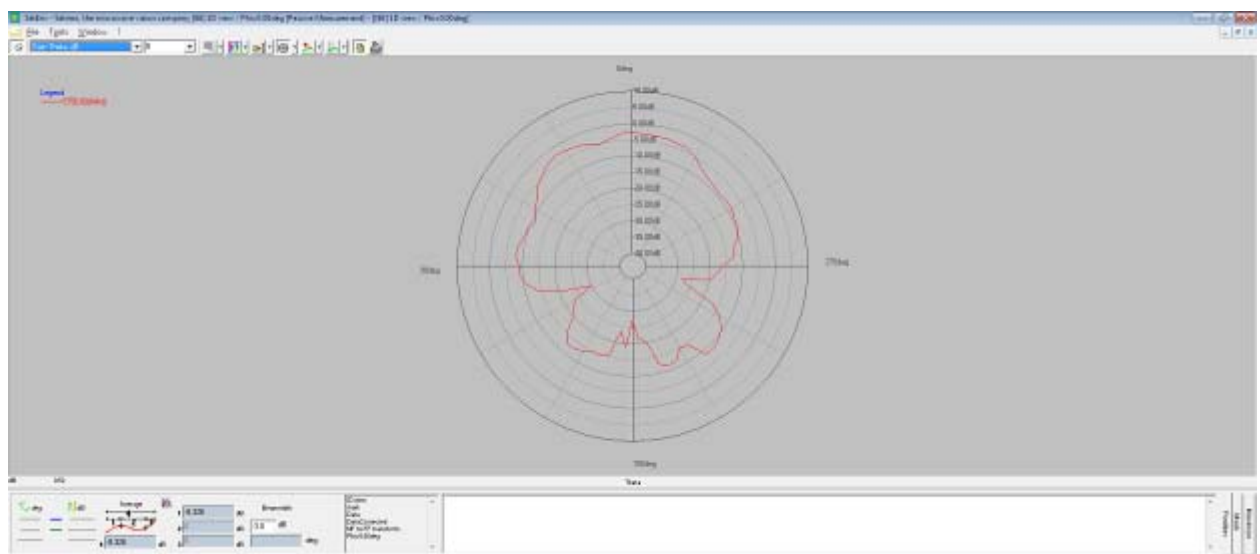


XY-Theta

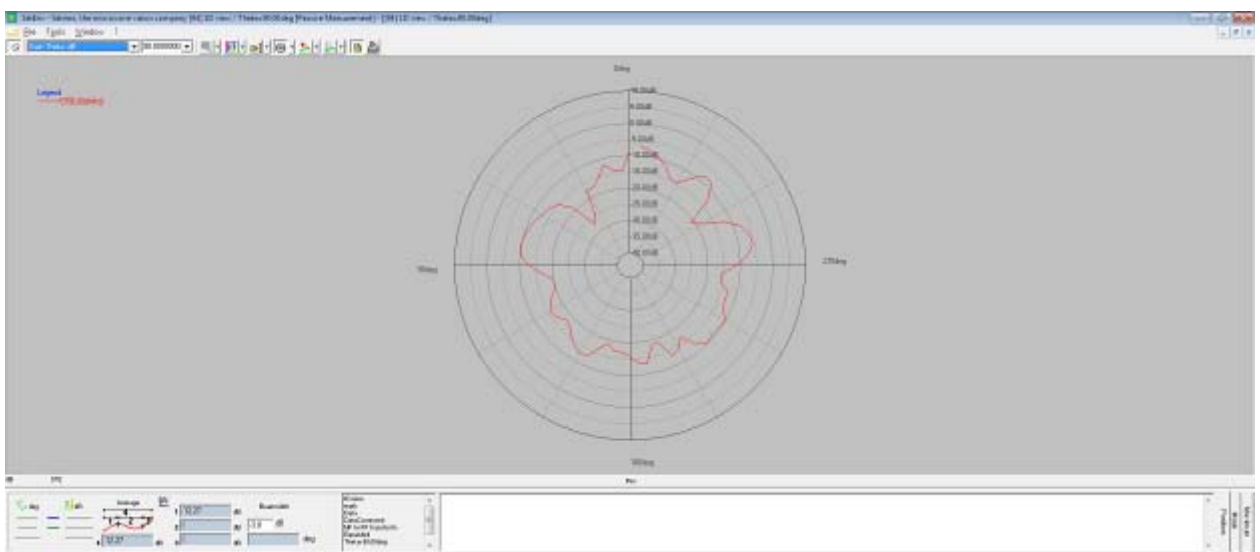
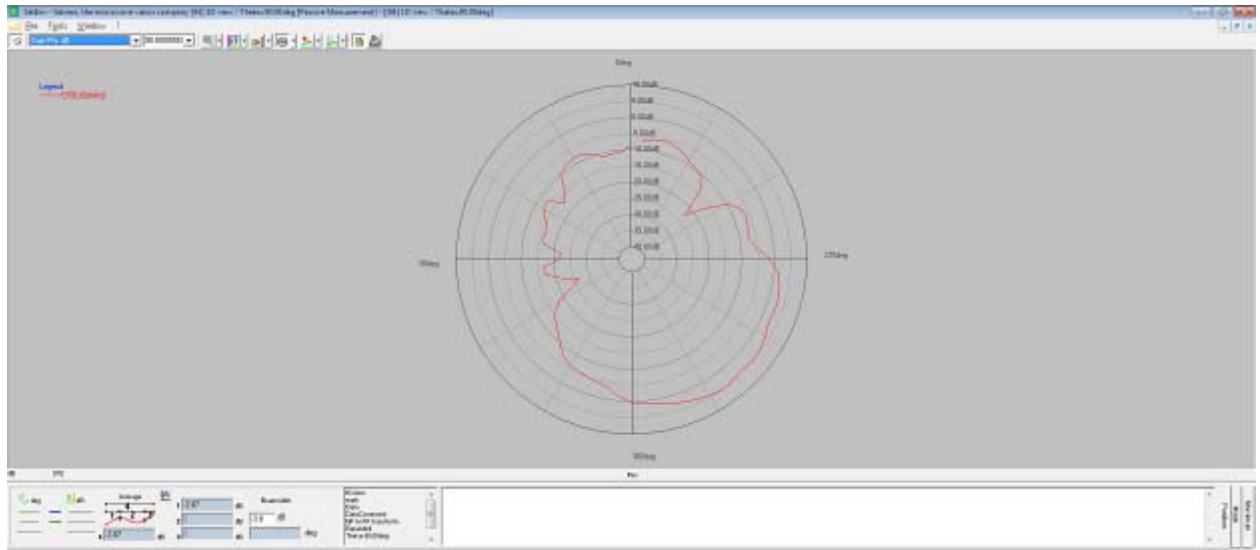
4.3.8 5750MHz



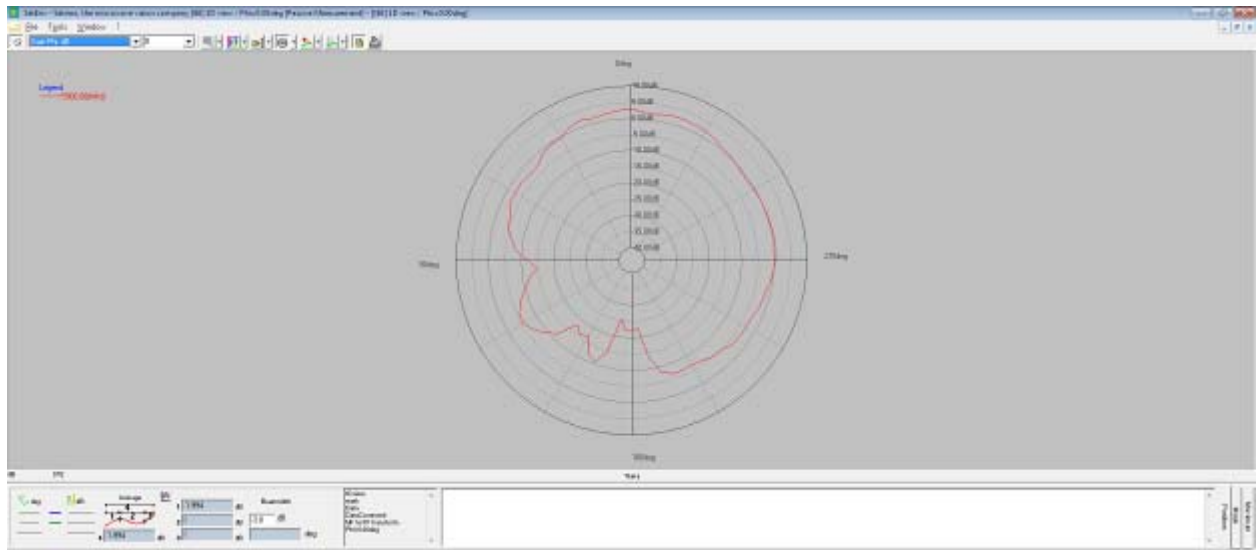
XZ-Phi



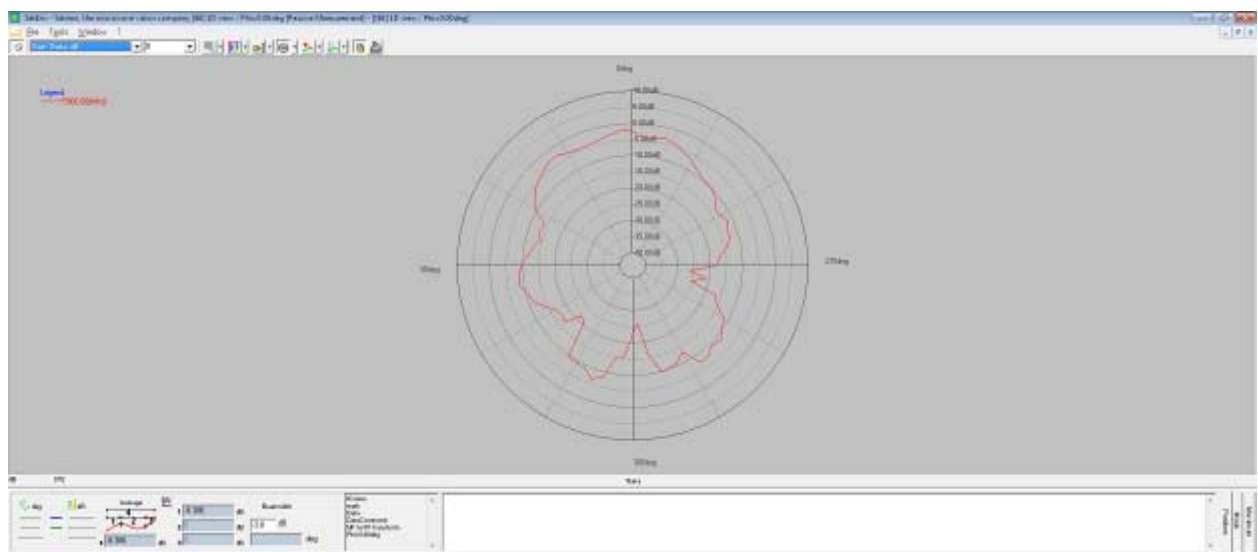
XZ-Theta



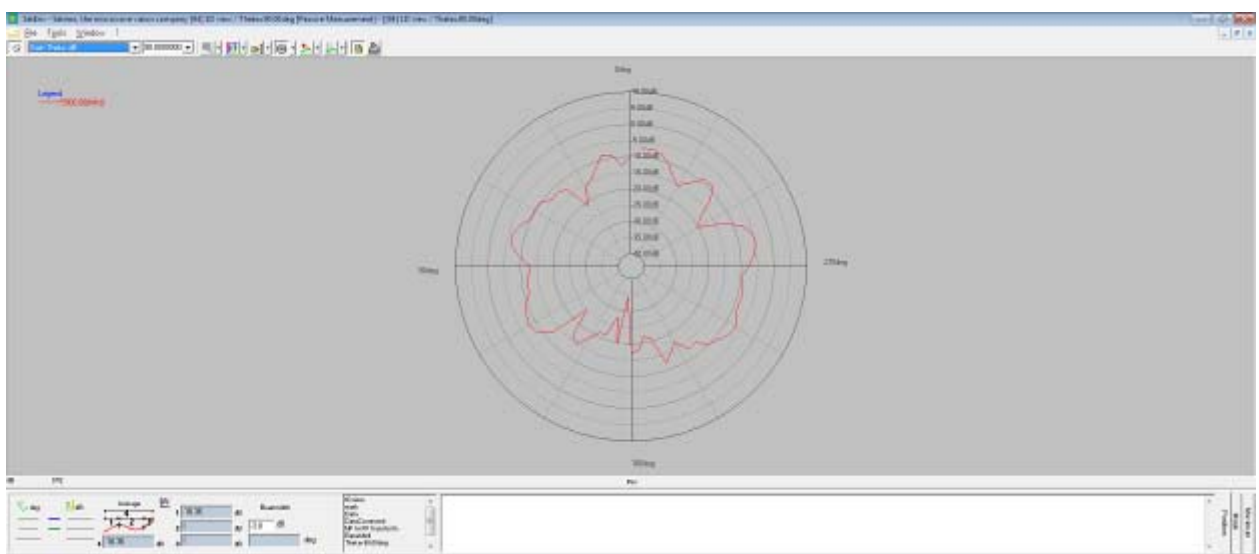
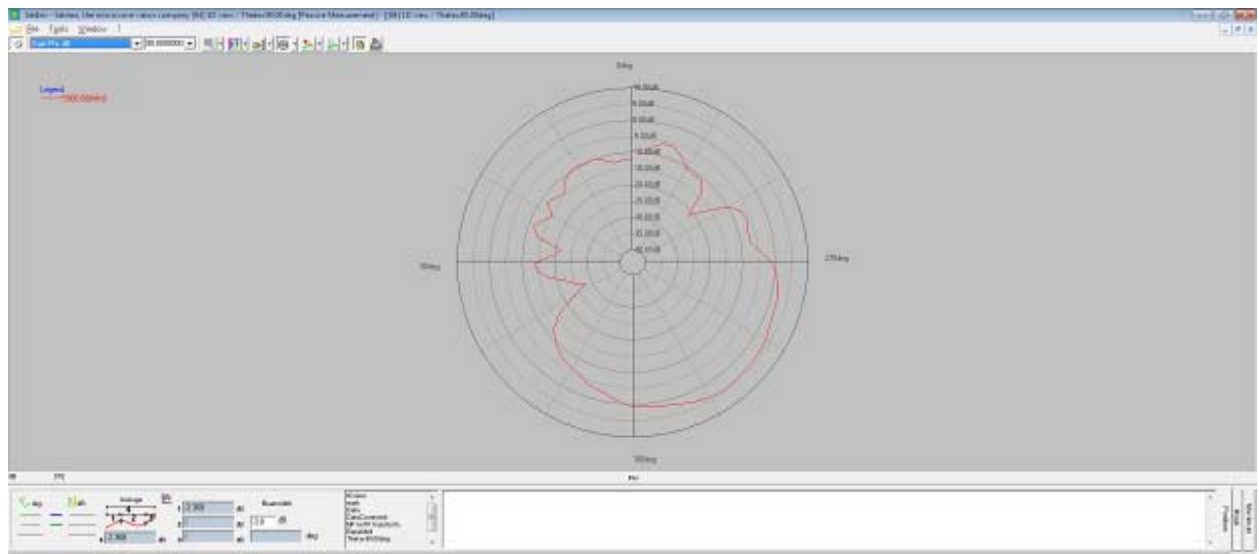
4.3.9 5900MHz



XZ-Phi

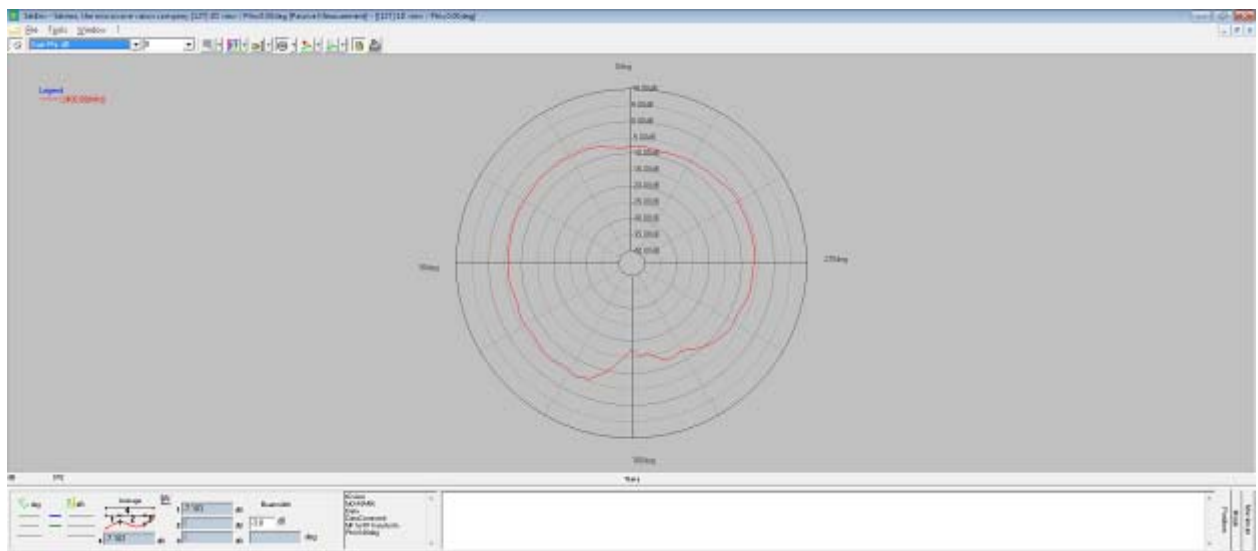


XZ-Theta

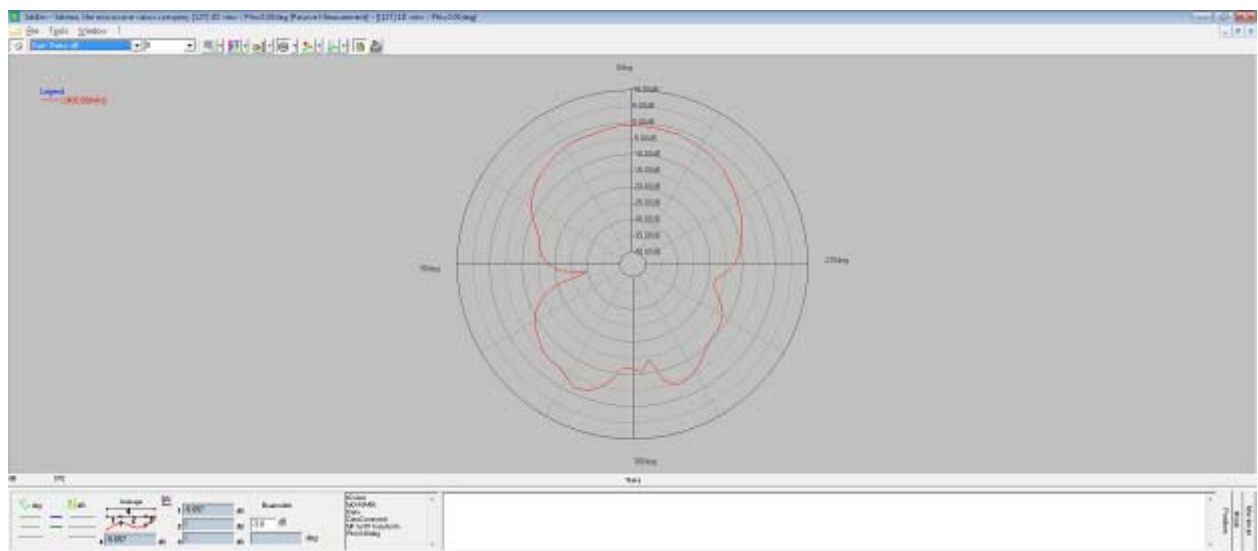


4.4 co port & cross port-Ant2

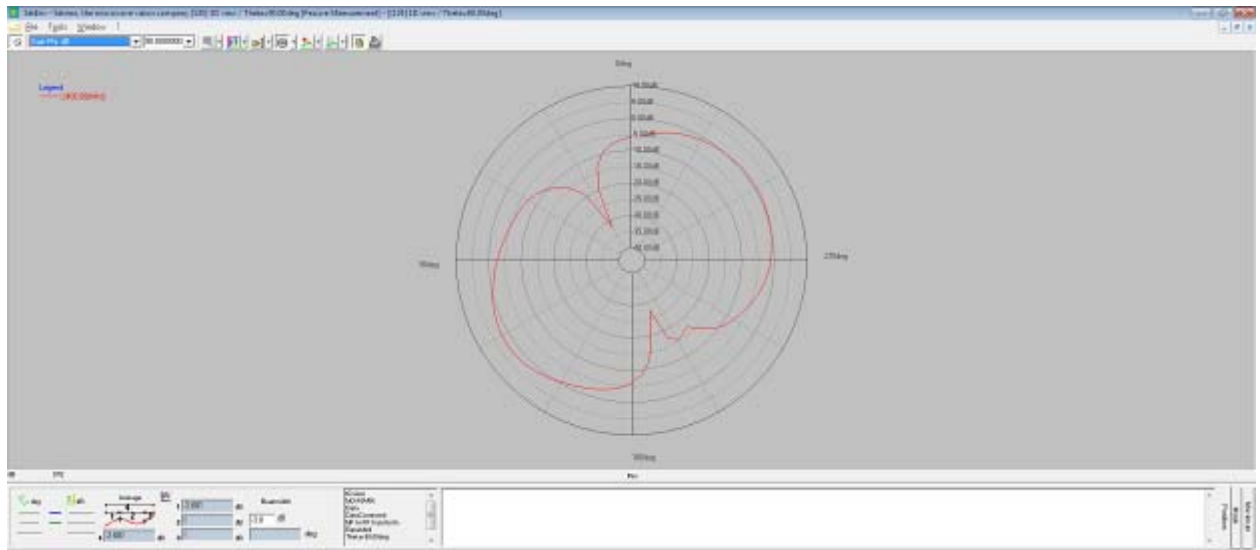
4.4.1 2400MHz



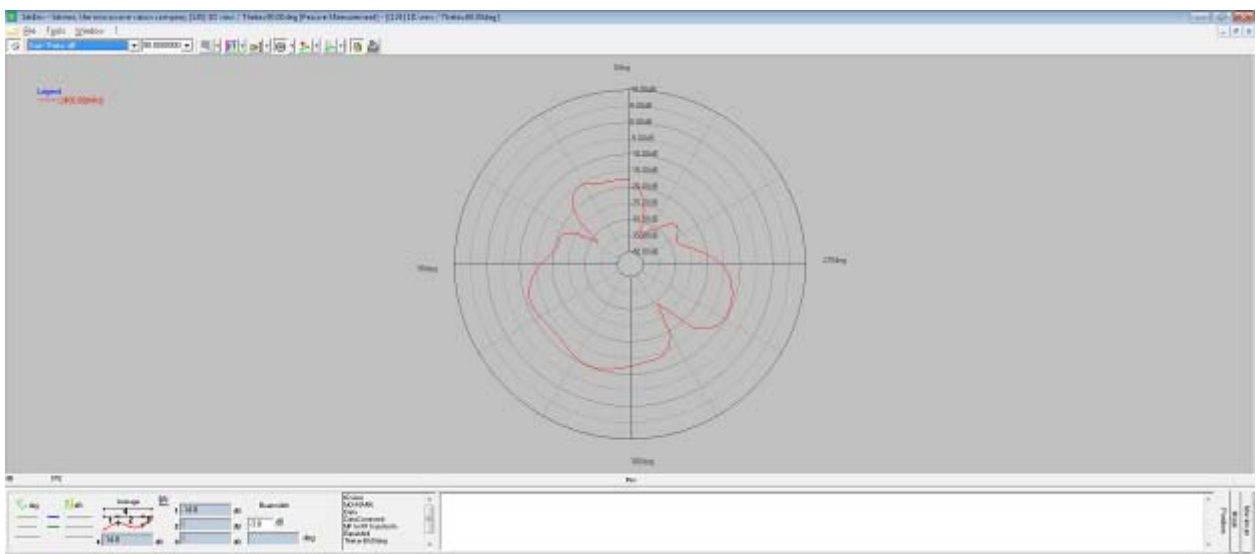
XZ-Phi



XZ-Theta

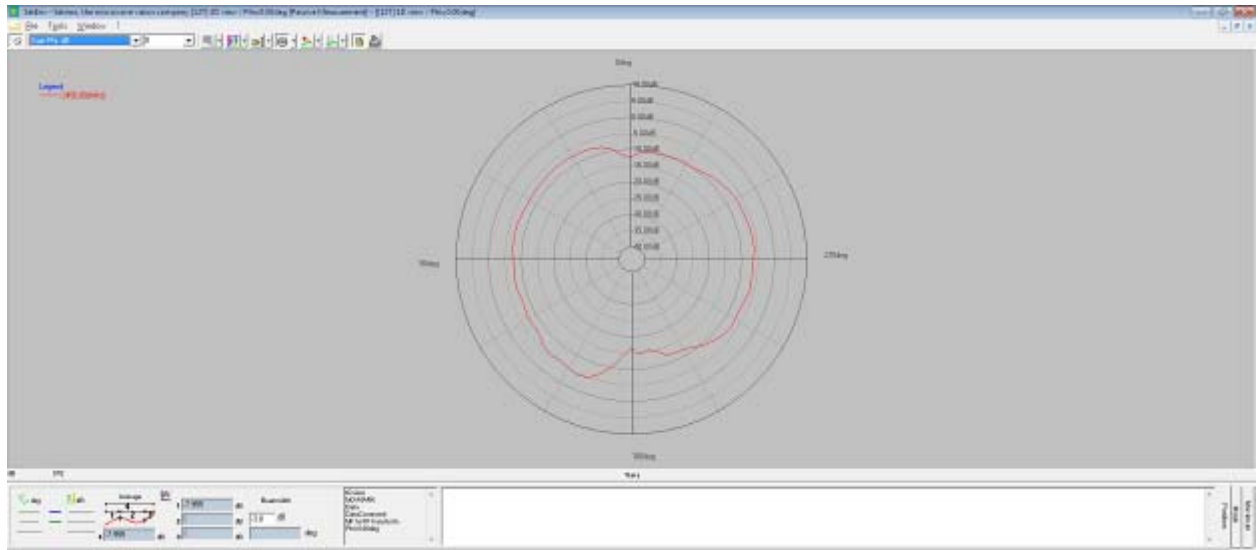


XY-Phi

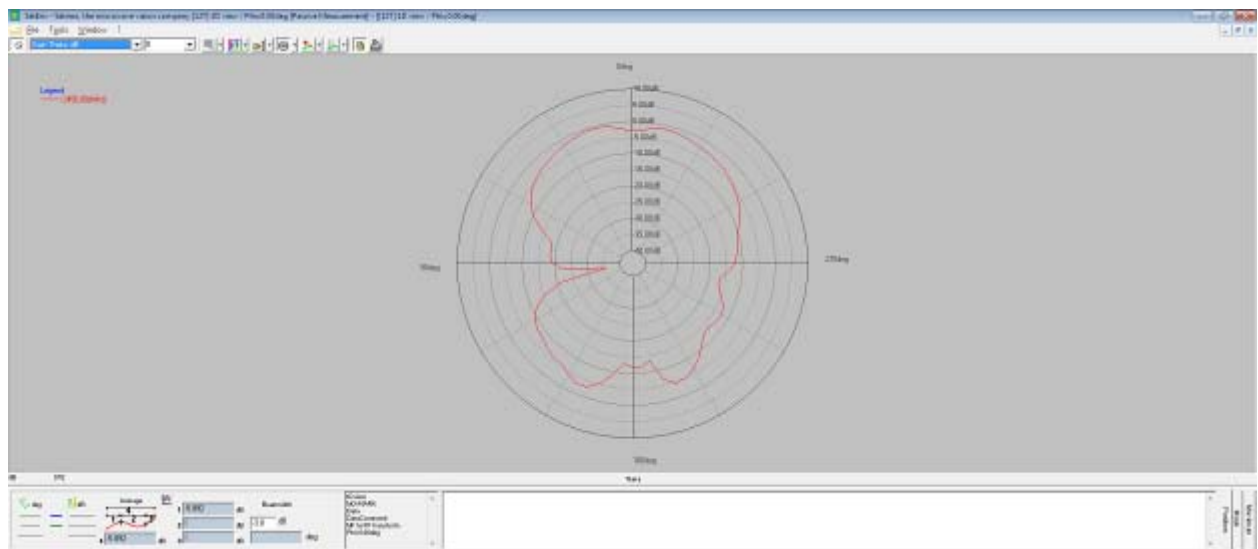


XY-Theta

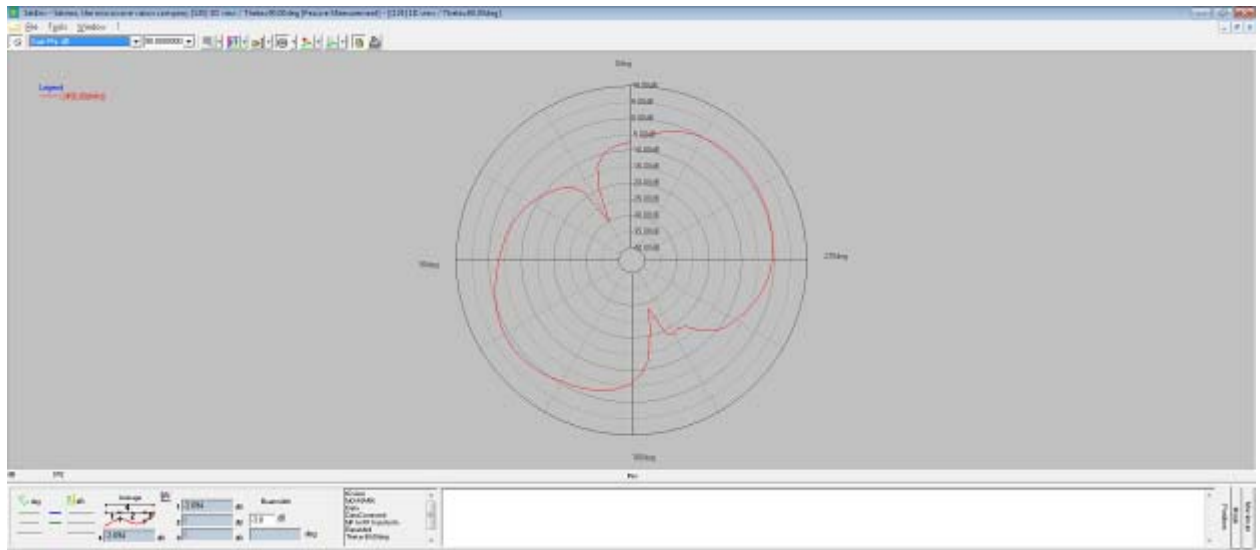
4.4.2 2450MHz



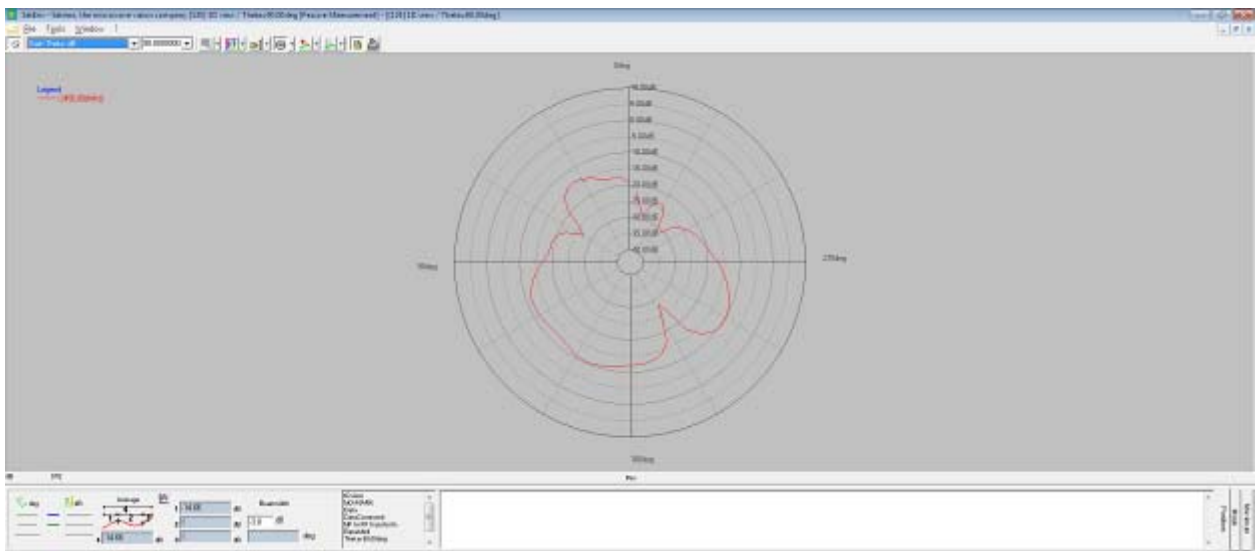
XZ-Phi



XZ-Theta

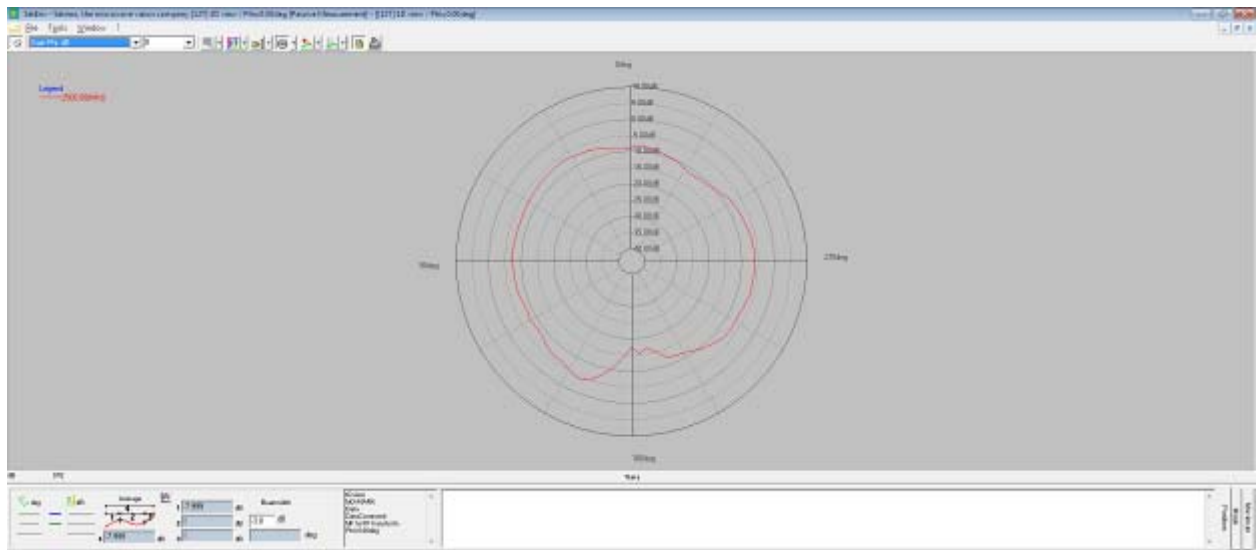


XY-Phi

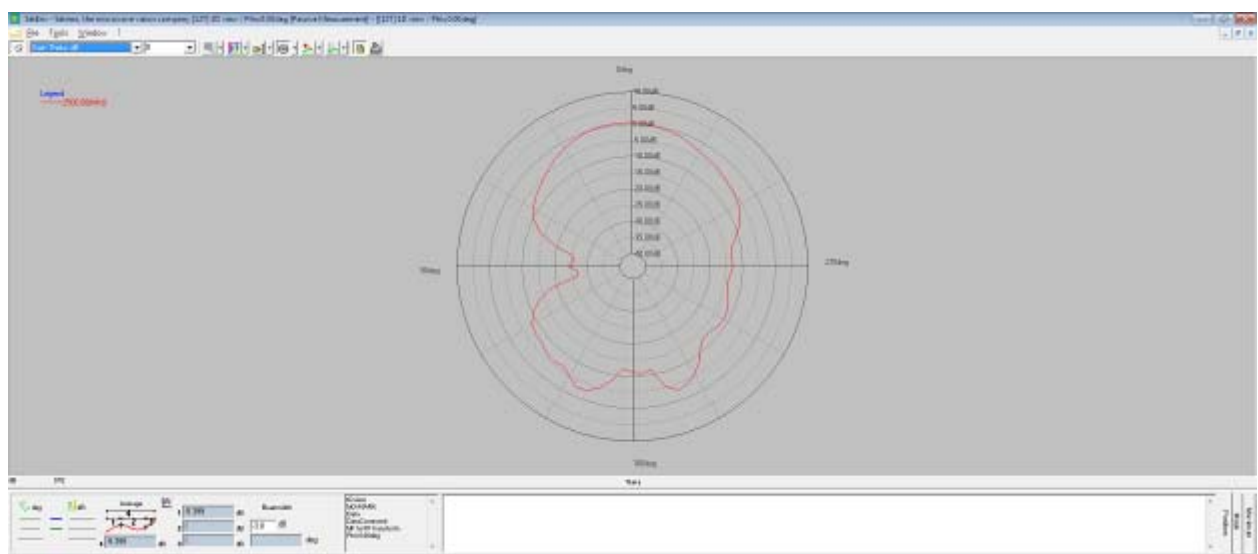


XY-Theta

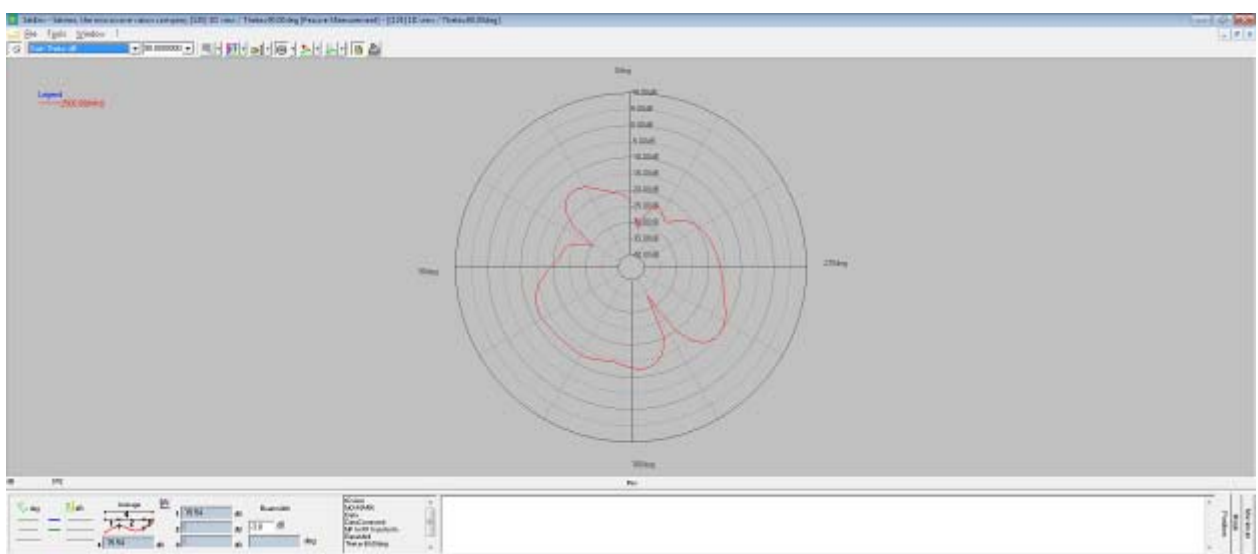
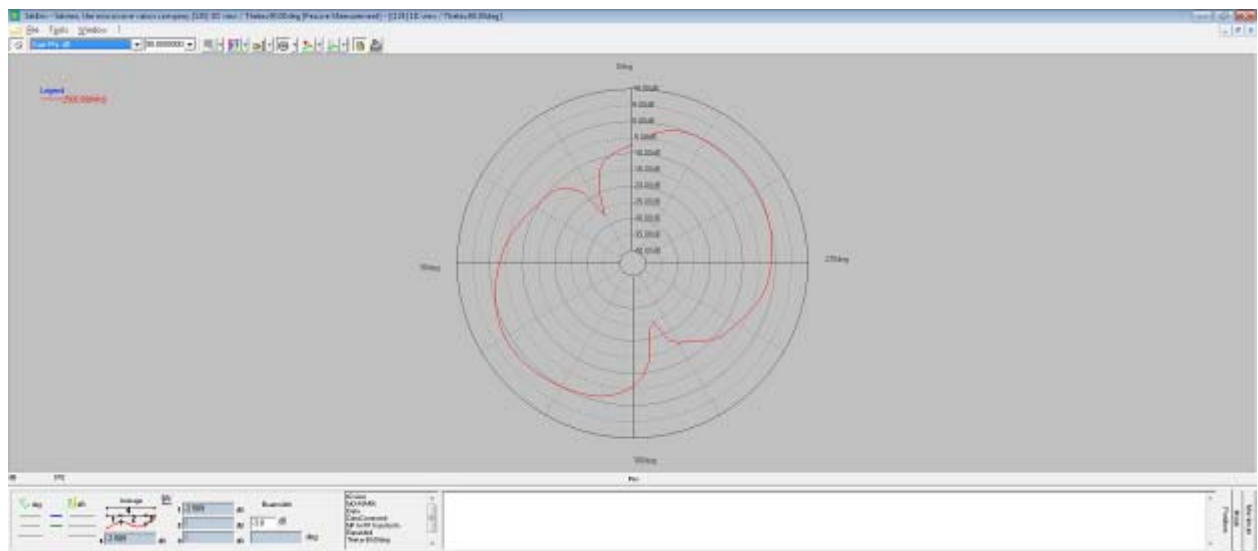
4.4.3 2500MHz



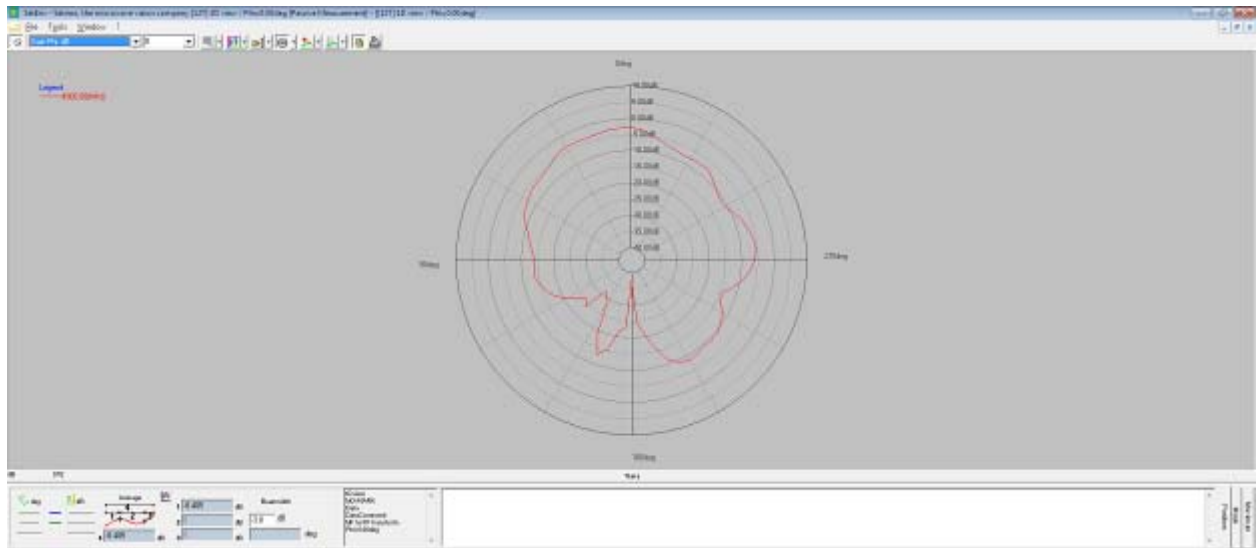
XZ-Phi



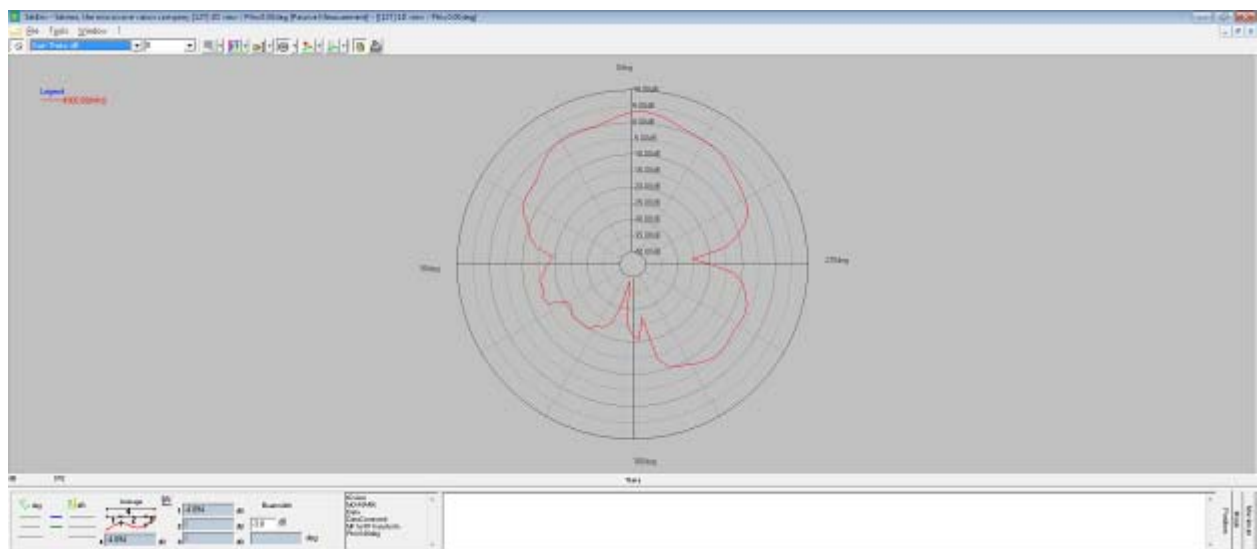
XZ-Theta



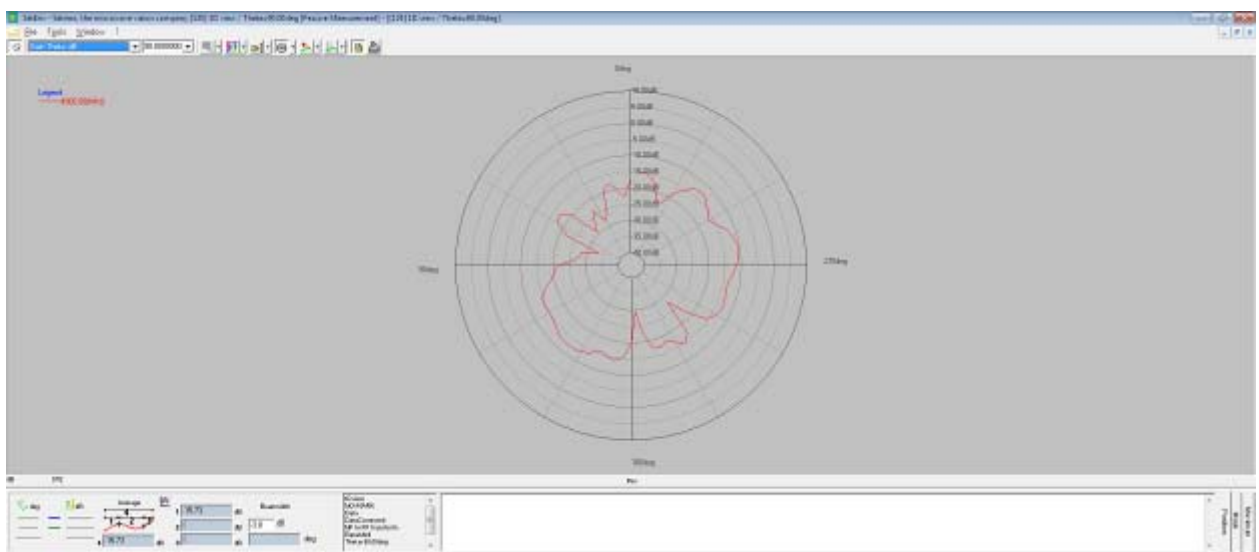
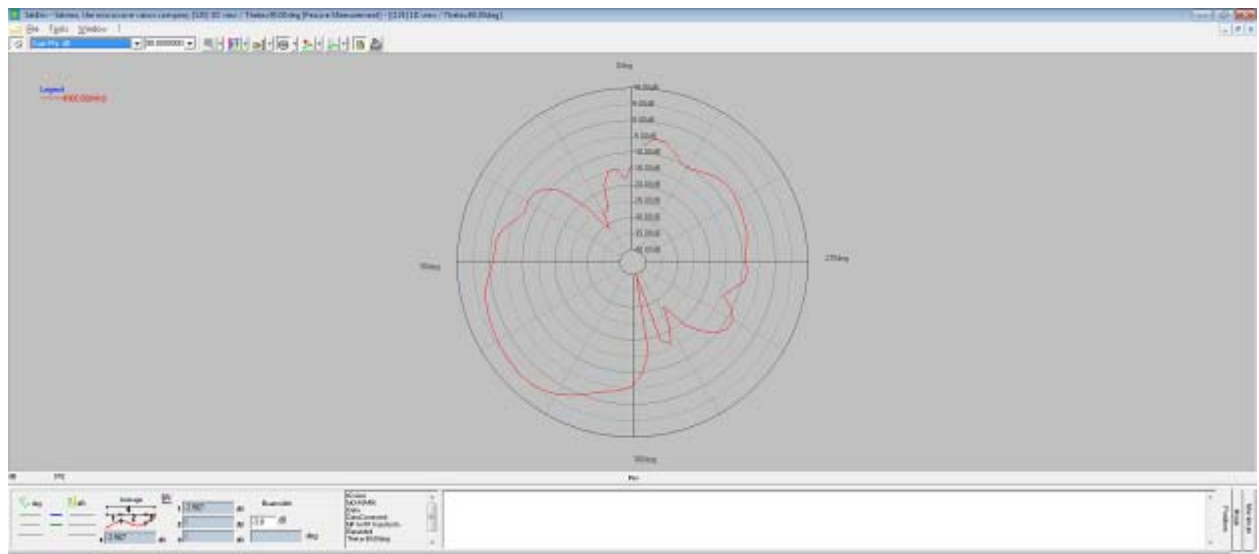
4.4.4 4900MHz



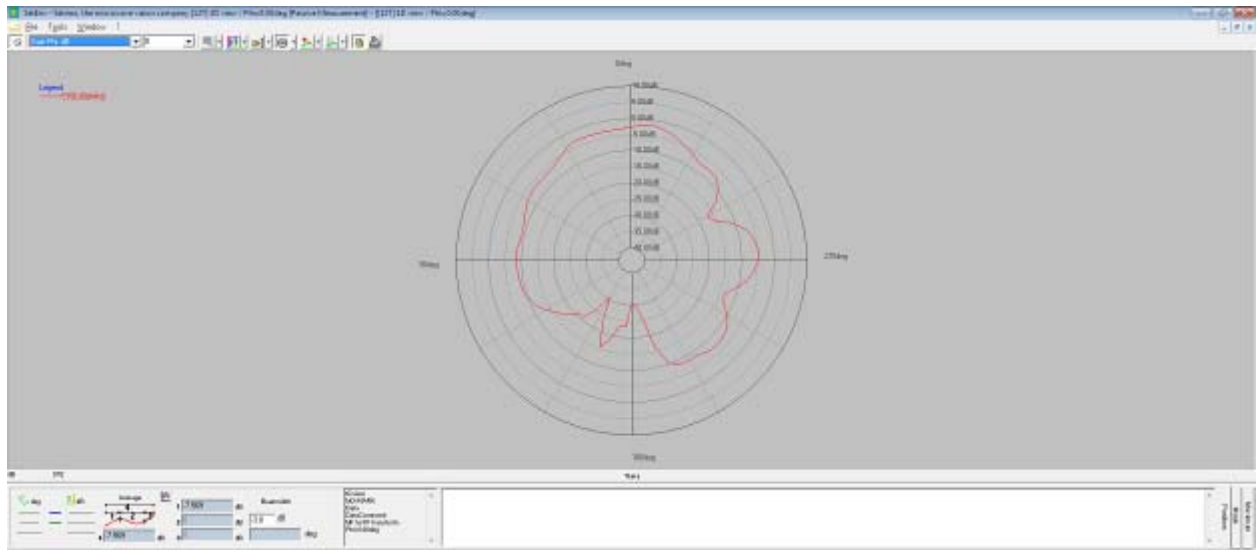
XZ-Phi



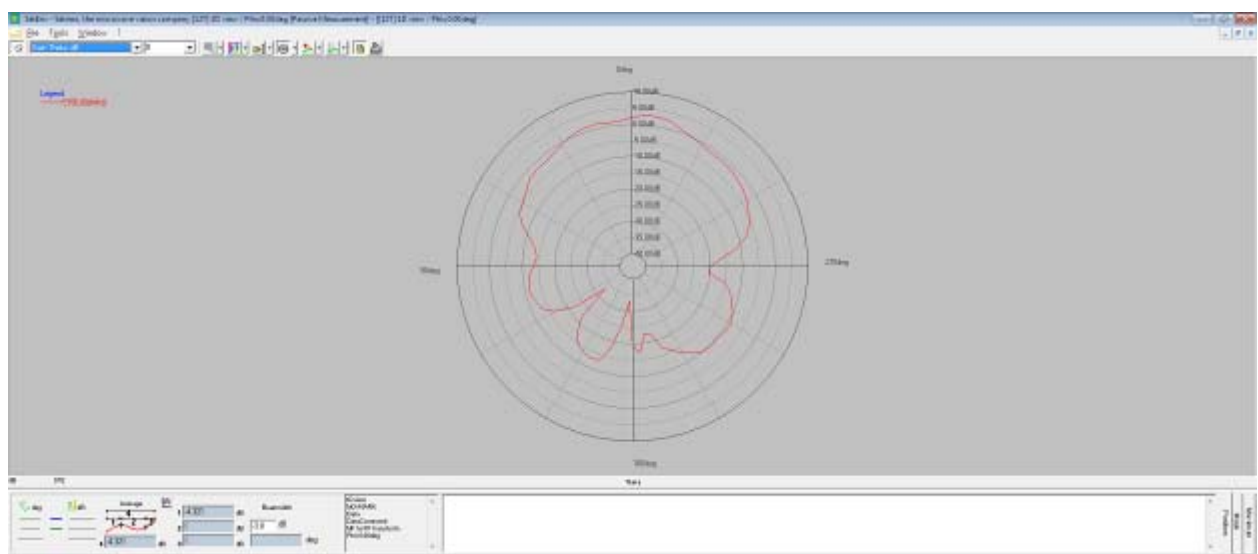
XZ-Theta



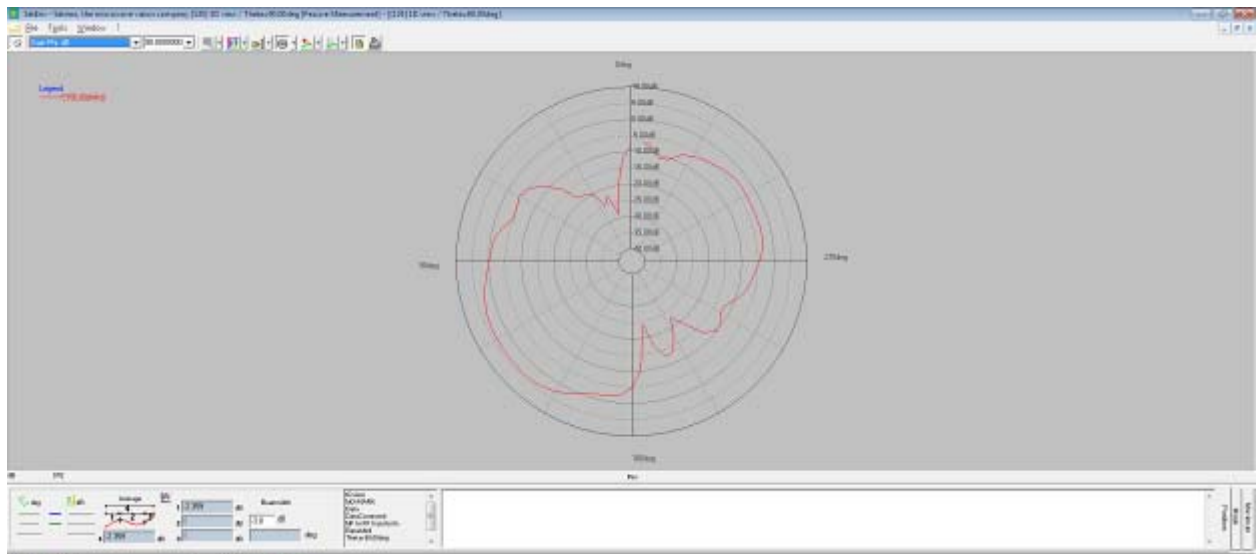
4.4.5 5150MHz



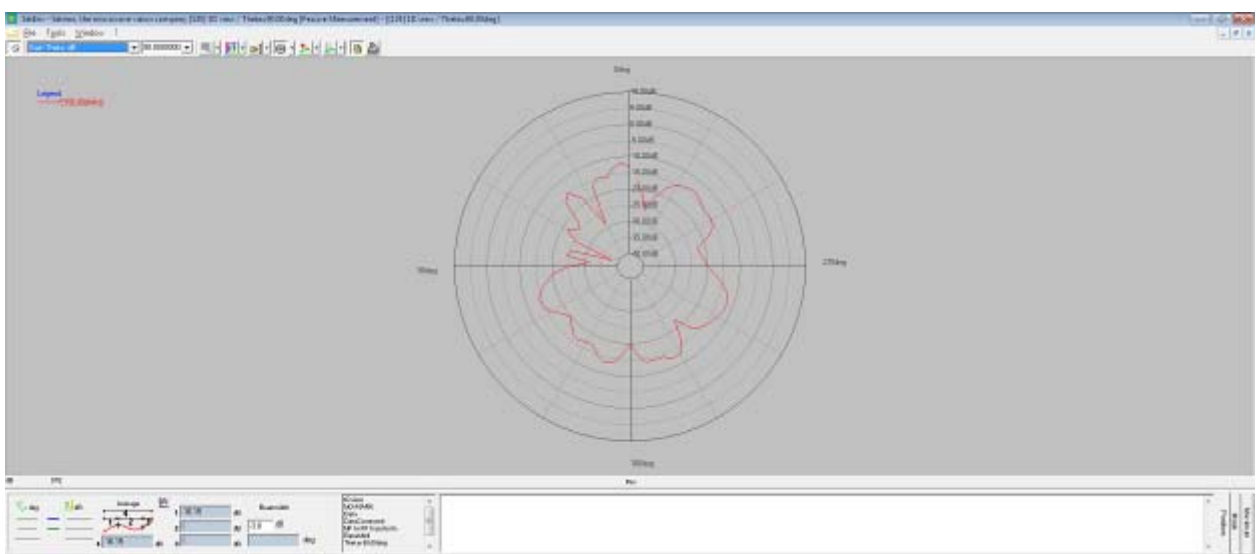
XZ-Phi



XZ-Theta

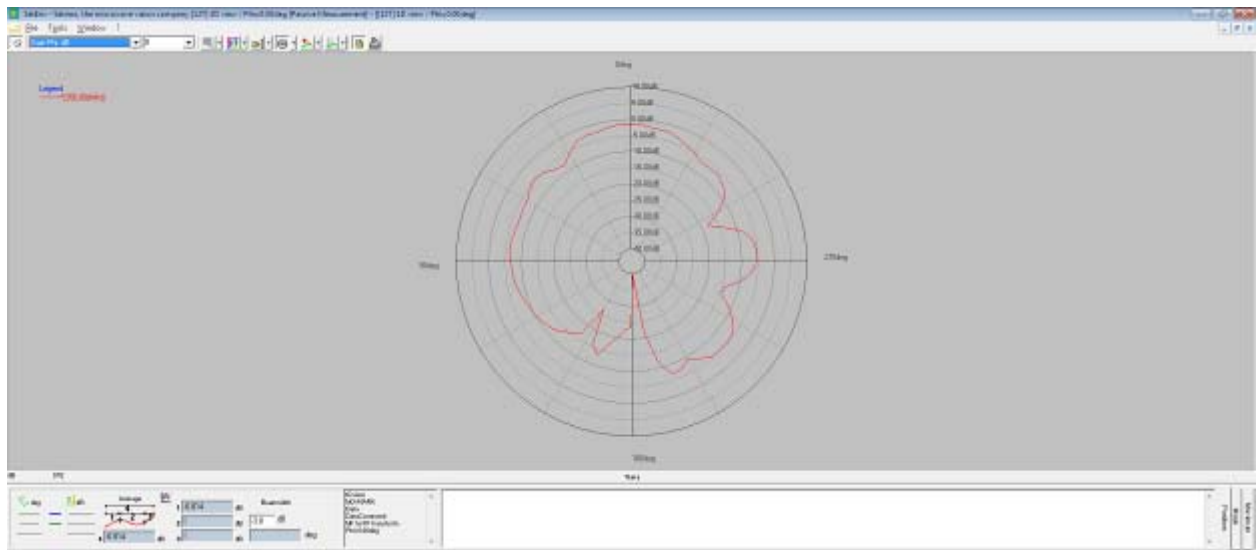


XY-Phi

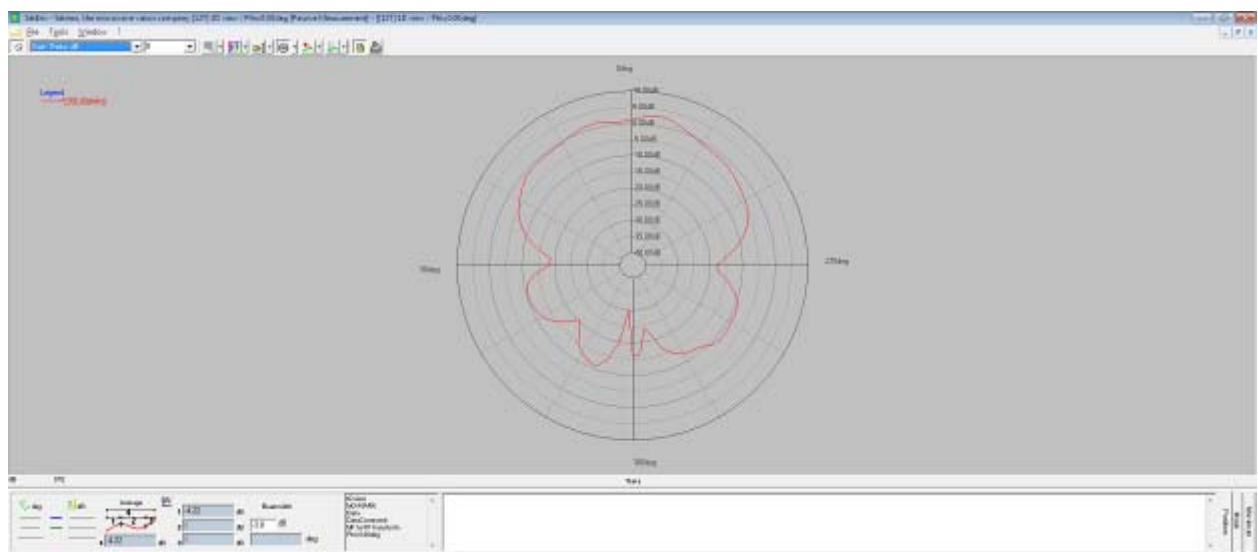


XY-Theta

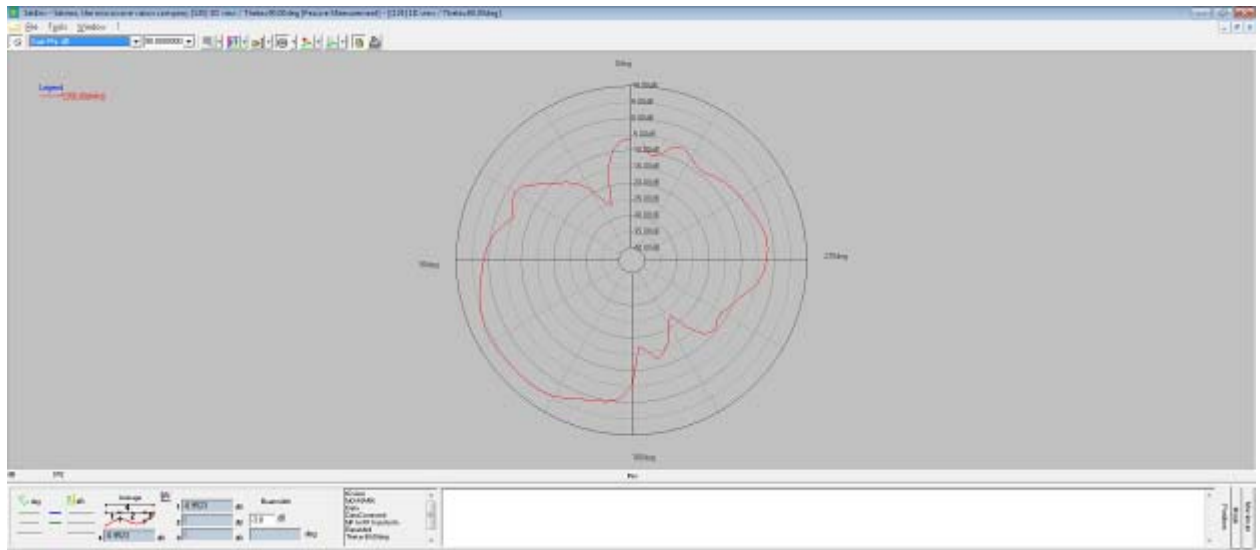
4.4.6 5350MHz



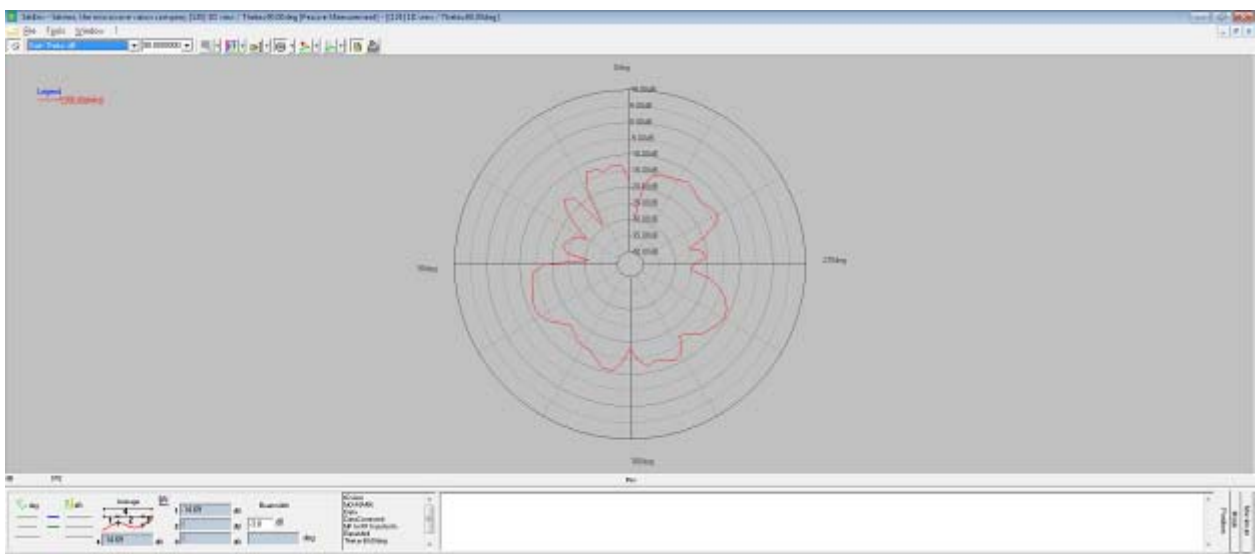
XZ-Phi



XZ-Theta

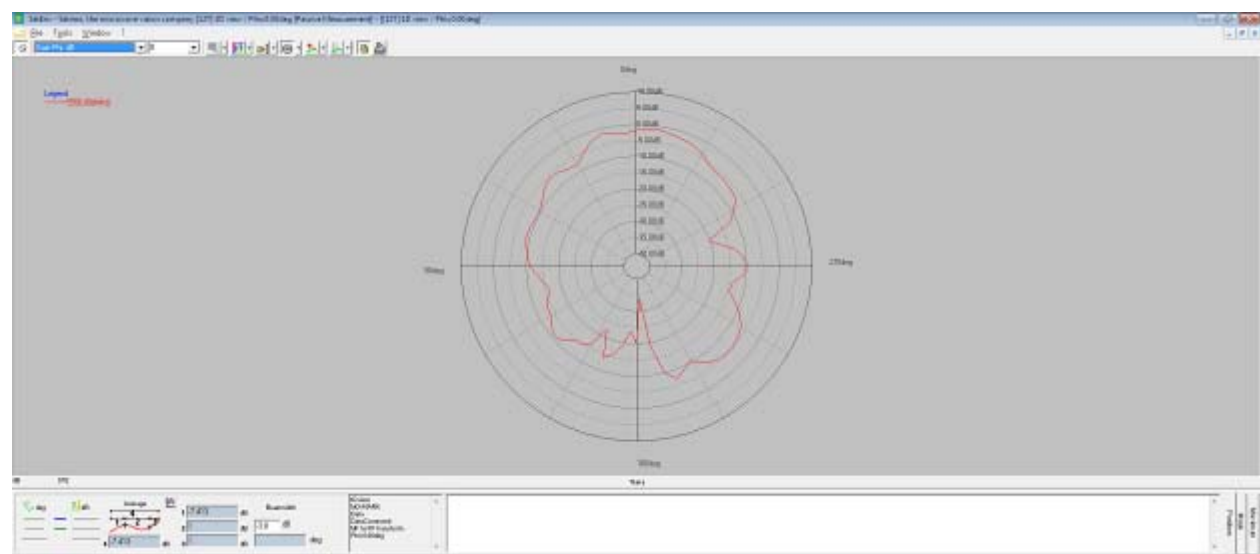


XY-Phi

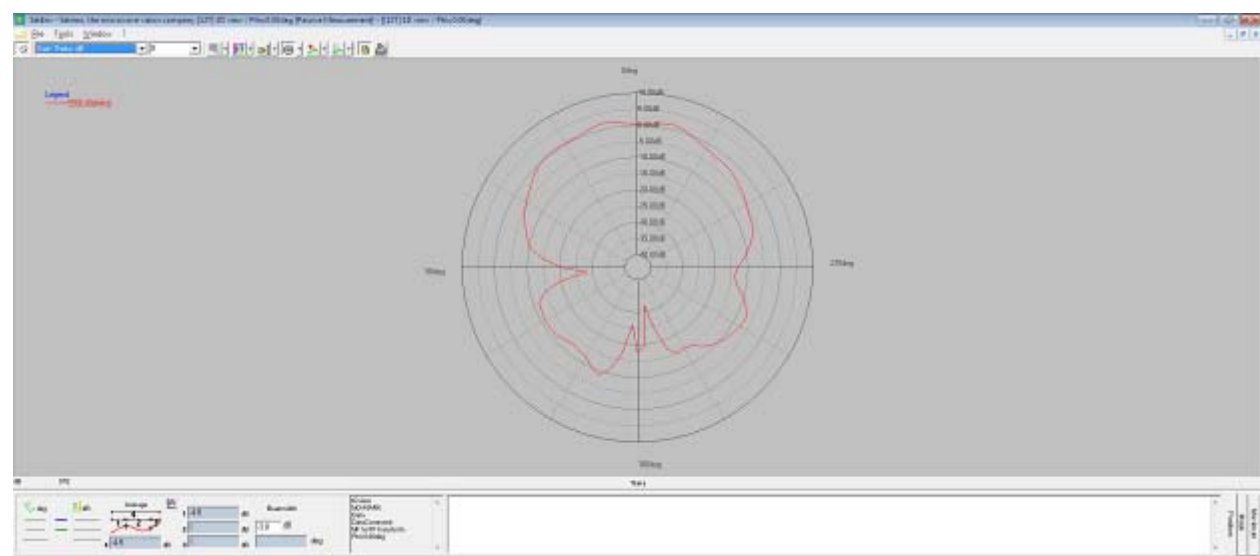


XY-Theta

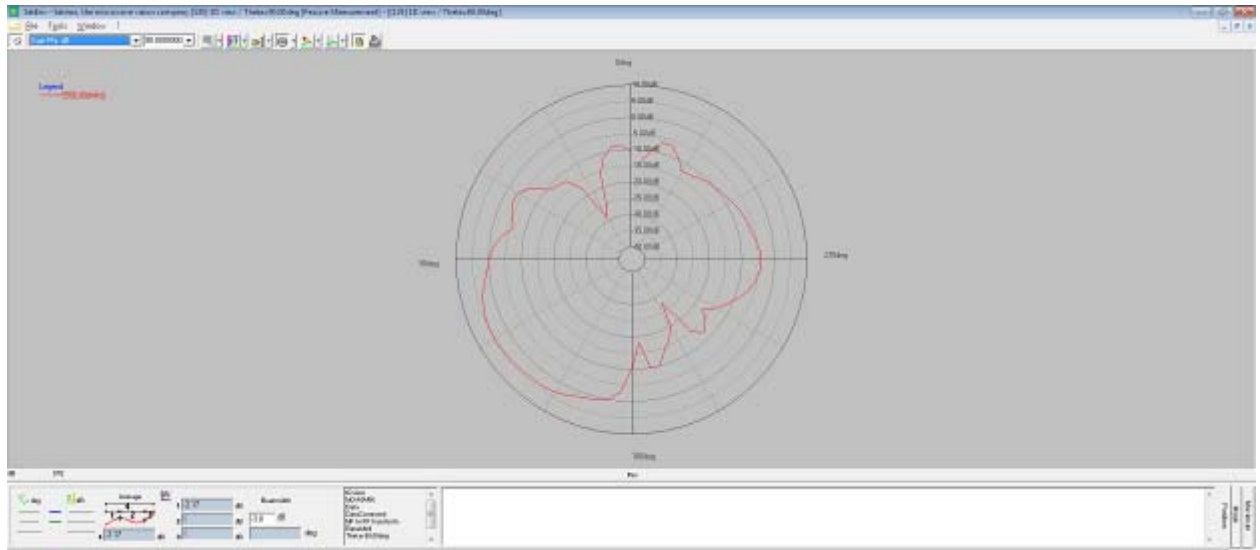
4.4.7 5550MHz



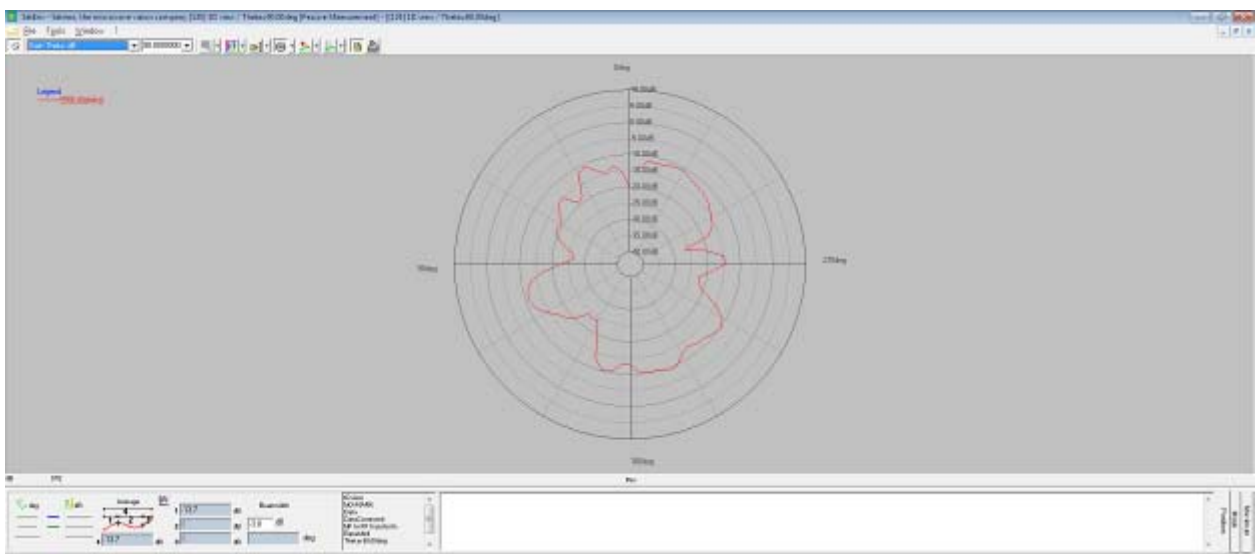
XZ-Phi



XZ-Theta

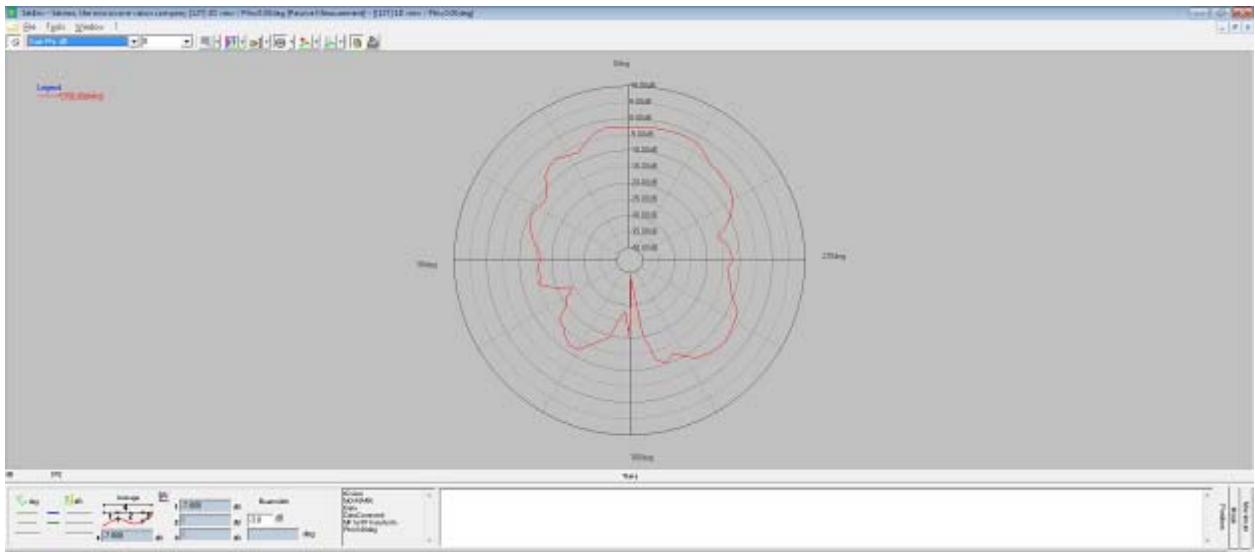


XY-Phi

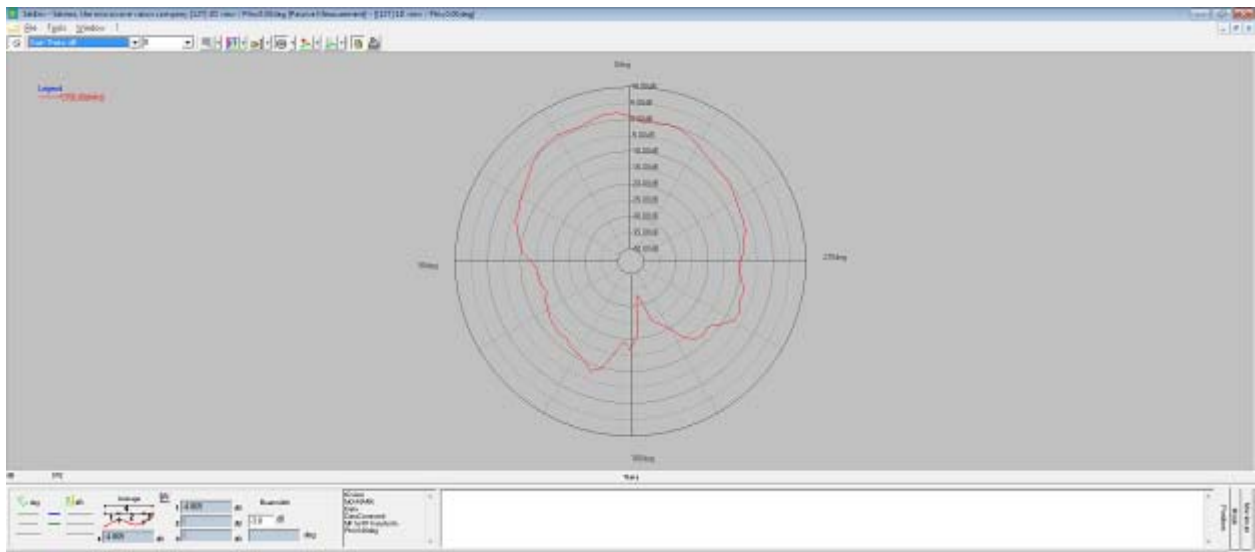


XY-Theta

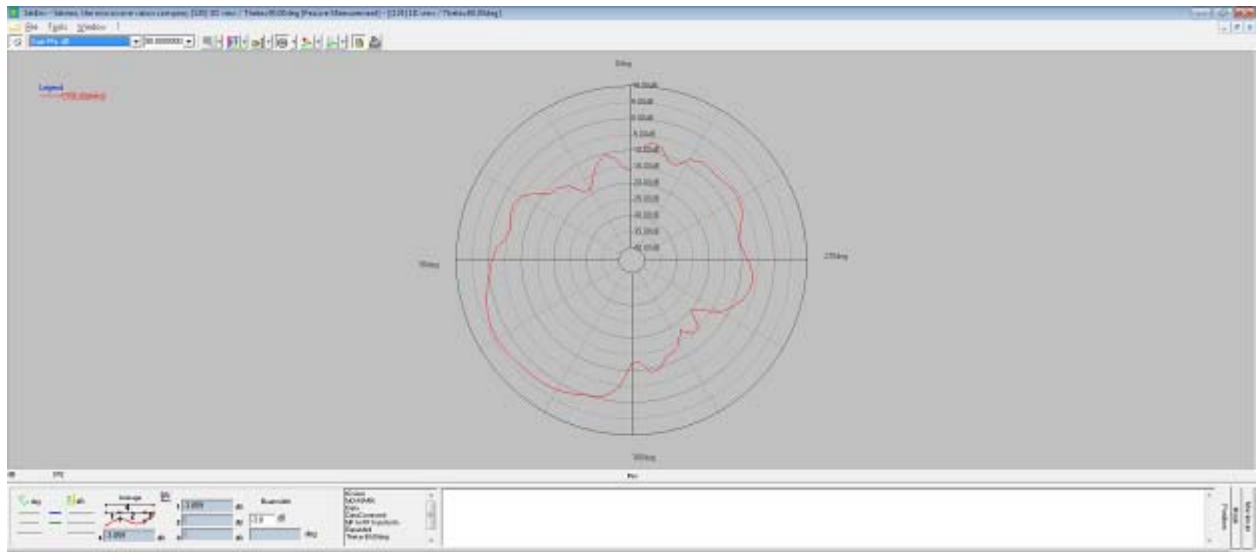
4.4.8 5750MHz



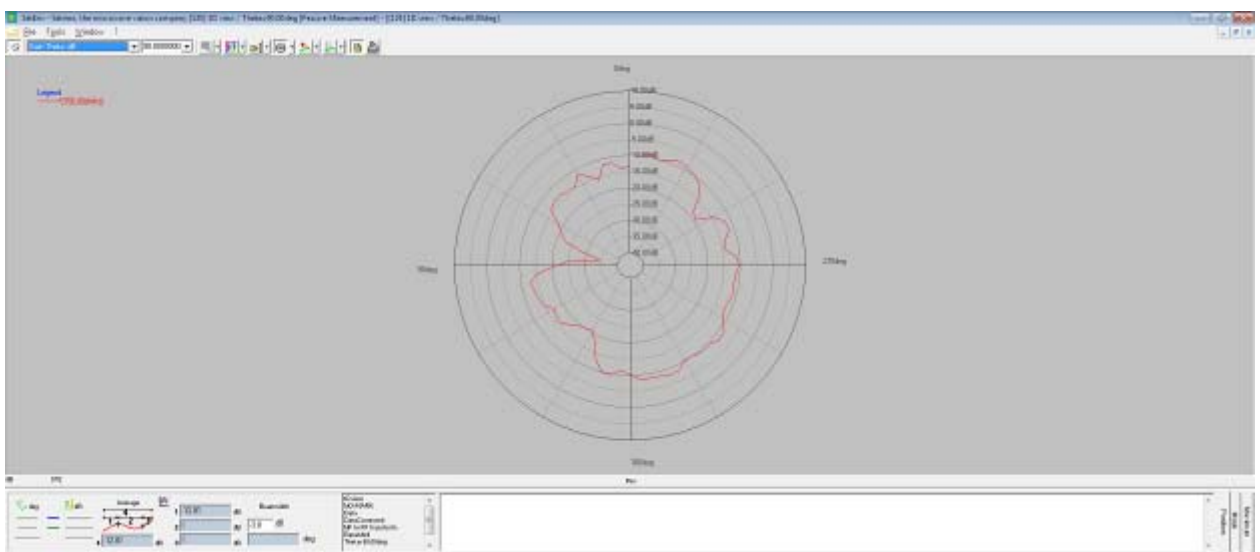
XZ-Phi



XZ-Theta

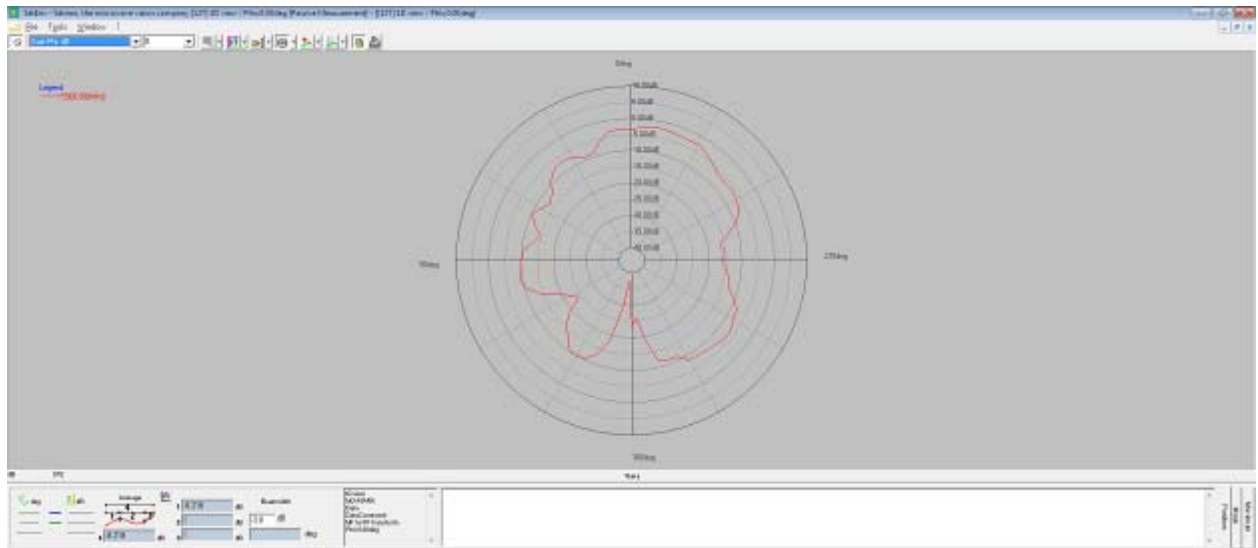


XY-Phi

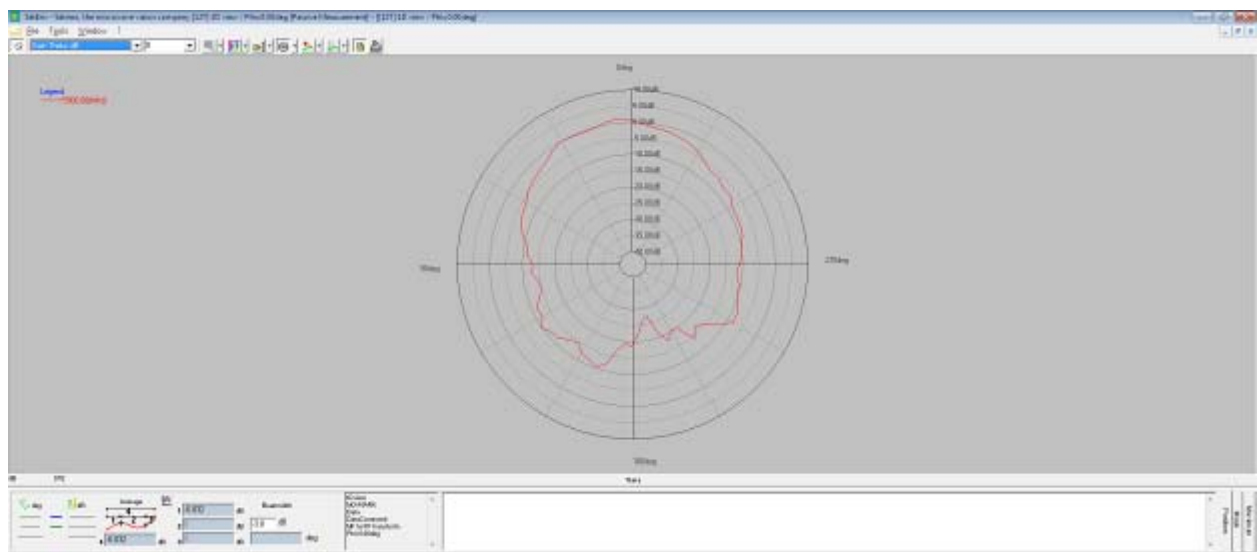


XY-Theta

4.4.9 5900MHz



XZ-Phi



XZ-Theta

