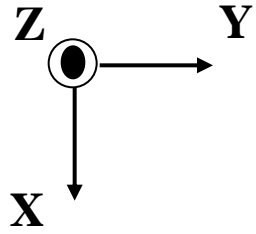


PCB Antenna Simulation

PCB Antenna pattern

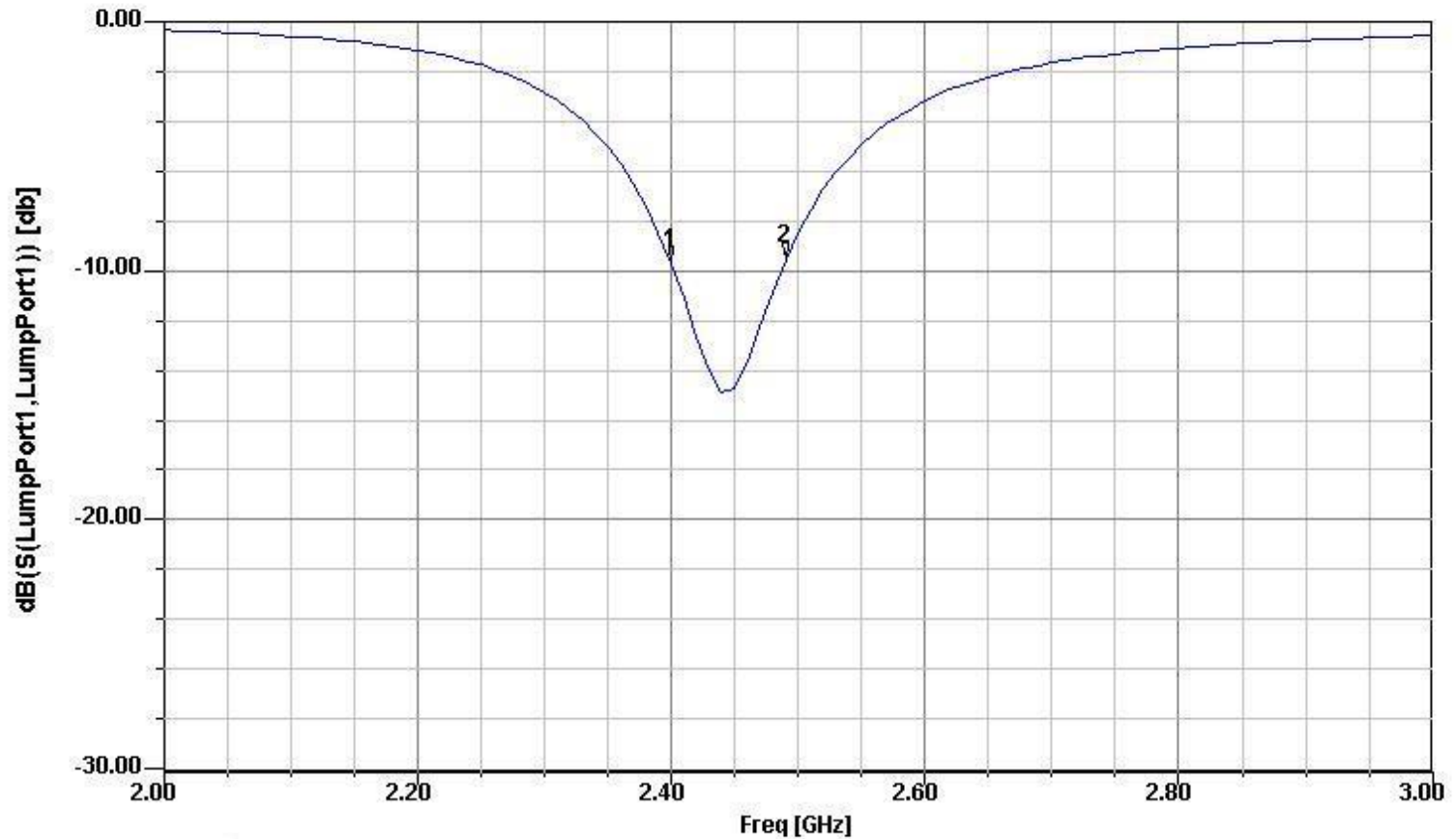


PCB Antenna Simulation

(S11)

Ansoft Corporation
XY Plot 1
HFSSDesign1

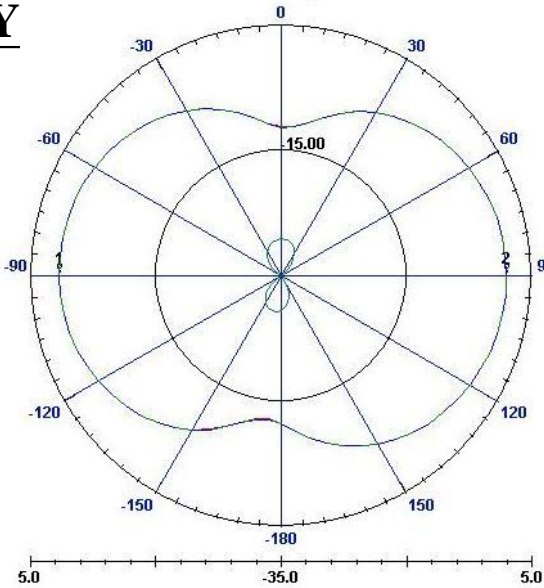
BW(RL<10dB) : 90 MHz



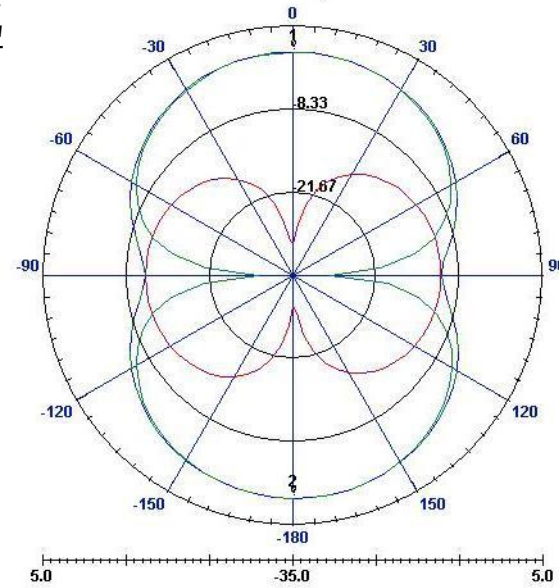
X1= 2.40GHz	X2= 2.49GHz
Y1= -9.70	Y2= -9.58

PCB Antenna Simulation (Radiation)

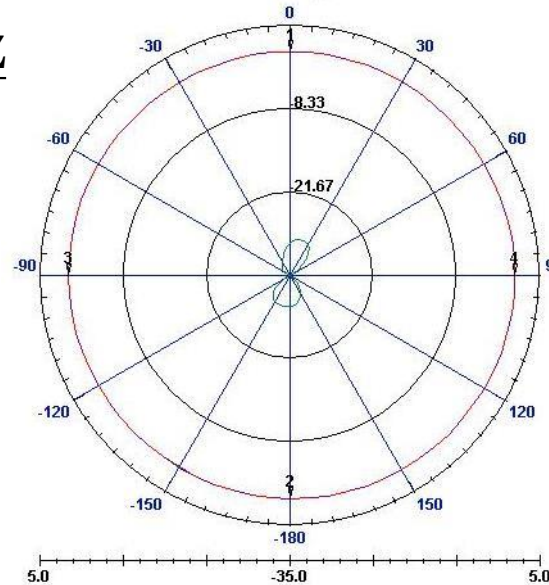
XY



XZ



YZ



Efficiency : 76%

Avg. Gain : -1.2 dBi