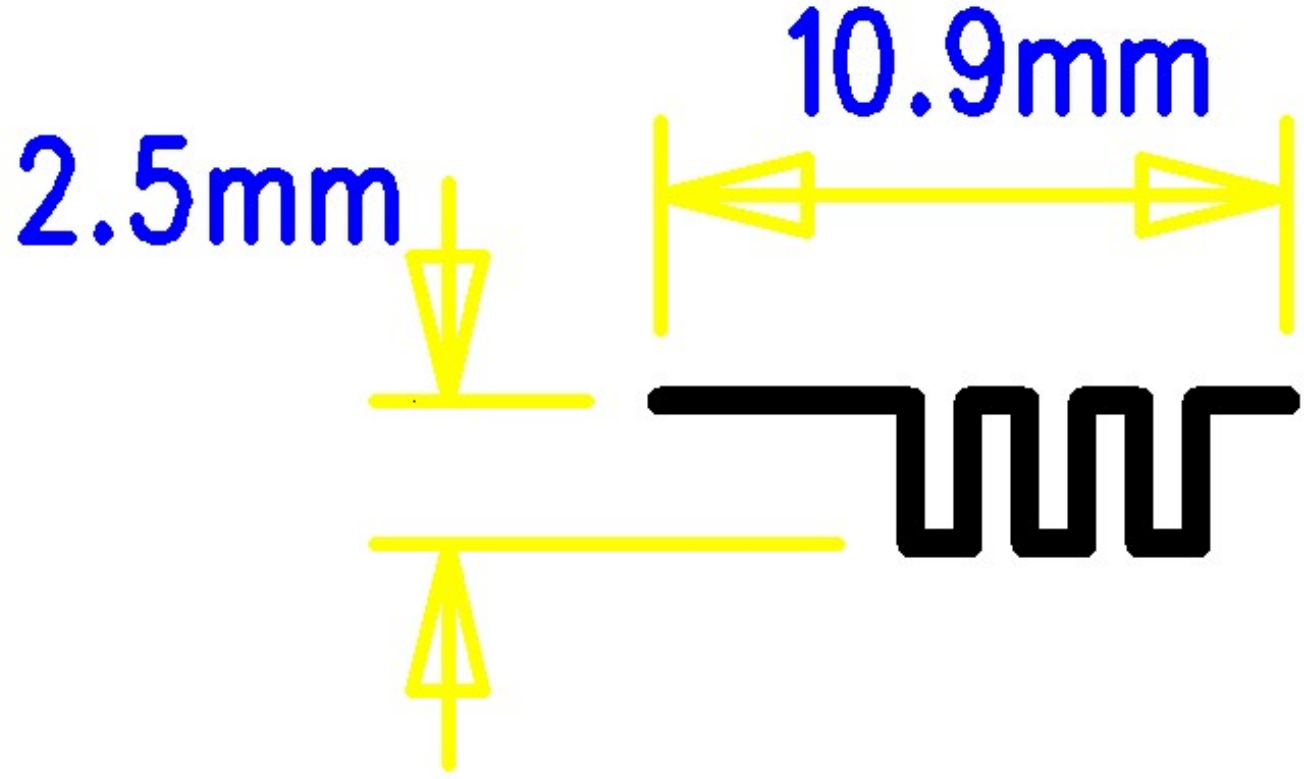
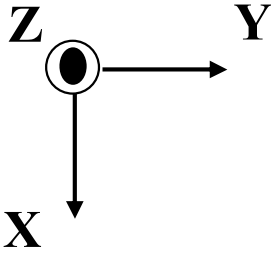


PCB Antenna Simulation

PCB Antenna pattern

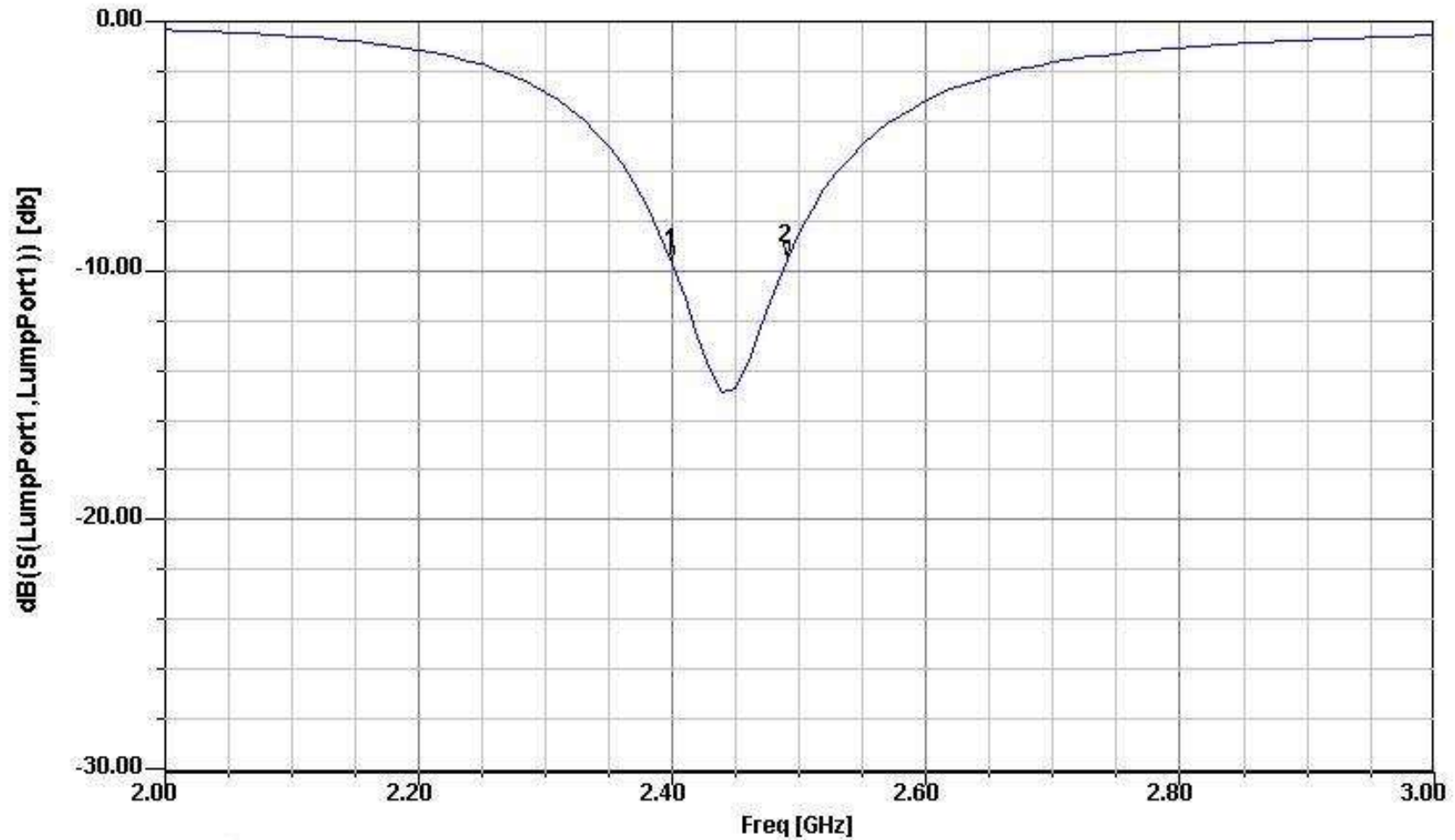


PCB Antenna Simulation

(S11)

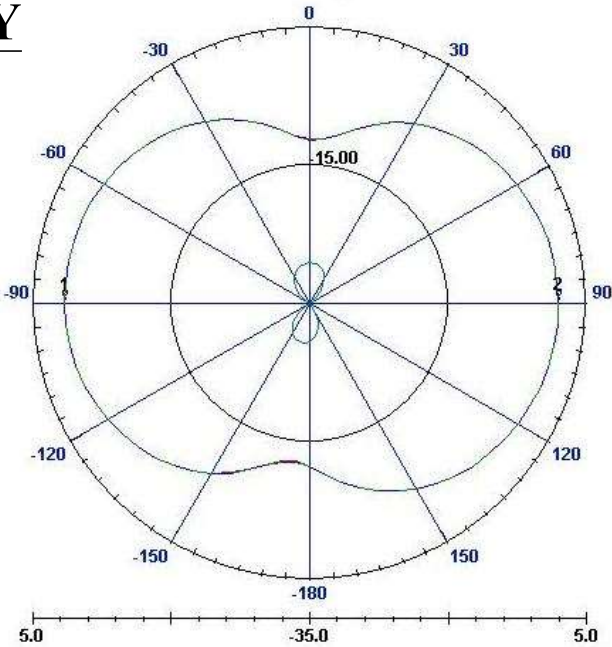
Ansoft Corporation
XY Plot 1
HFSSDesign1

BW(RL<10dB) : 90 MHz



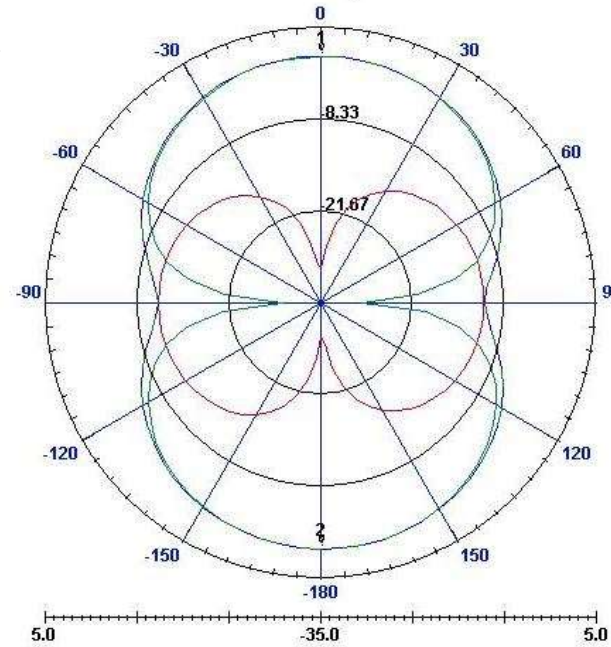
PCB Antenna Simulation (Radiation)

XY



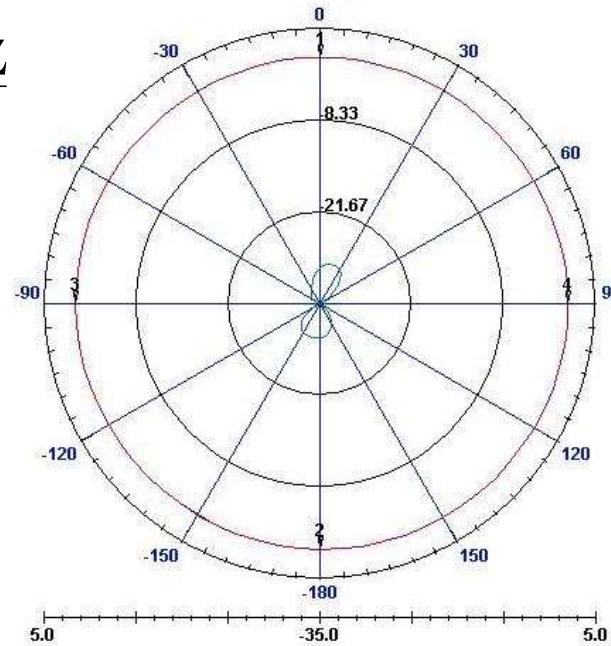
| |
|--|
| M1= 0.458 P1= 270.000 270.000deg |
| M2= 0.944 P2= 90.000 90.000deg |

XZ



| |
|--|
| M1= 0.753 P1= 0.000 0.000deg |
| M2= 0.655 P2= 180.000 180.000deg |

YZ



| |
|--|
| M1= 0.753 P1= 360.000 360.000deg |
| M2= 0.655 P2= 180.000 180.000deg |
| M3= 0.458 P3= 270.000 270.000deg |
| M4= 0.944 P4= 90.000 90.000deg |

Efficiency : 76%

Avg. Gain : -1.2 dBi