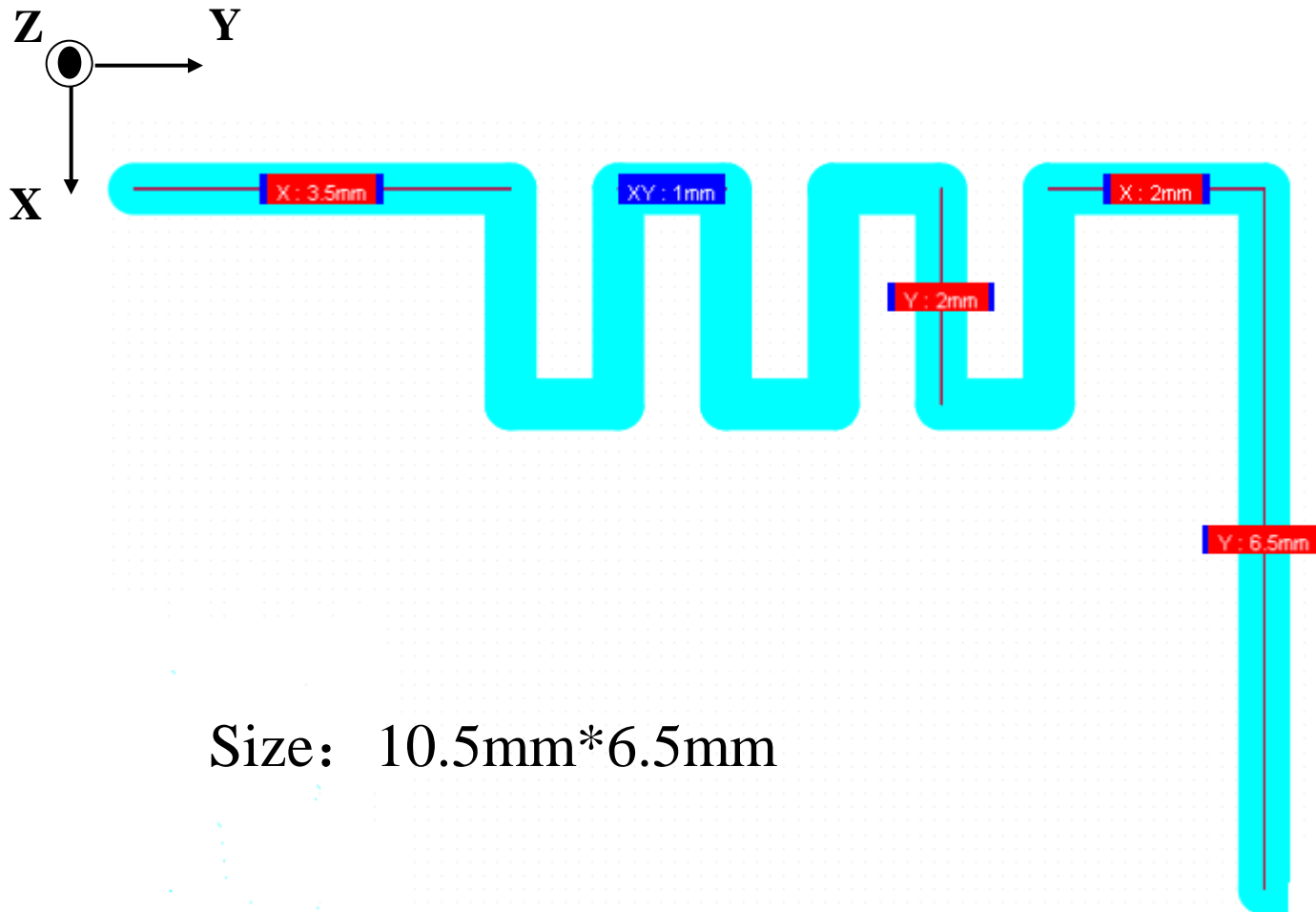


# **PCB Antenna Specification**

- Antenna Type: PCB Antenna
- Antenna Model: WR303-Antenna
- Frequency: 2400-2500Mhz
- Manufacturer: Shenzhen FullJump Technology Co.,Ltd

Frequency	2400	2450	2500
Gain	-1.85dBi	-1.2dBi	-2.57dBi

# PCB Antenna pattern

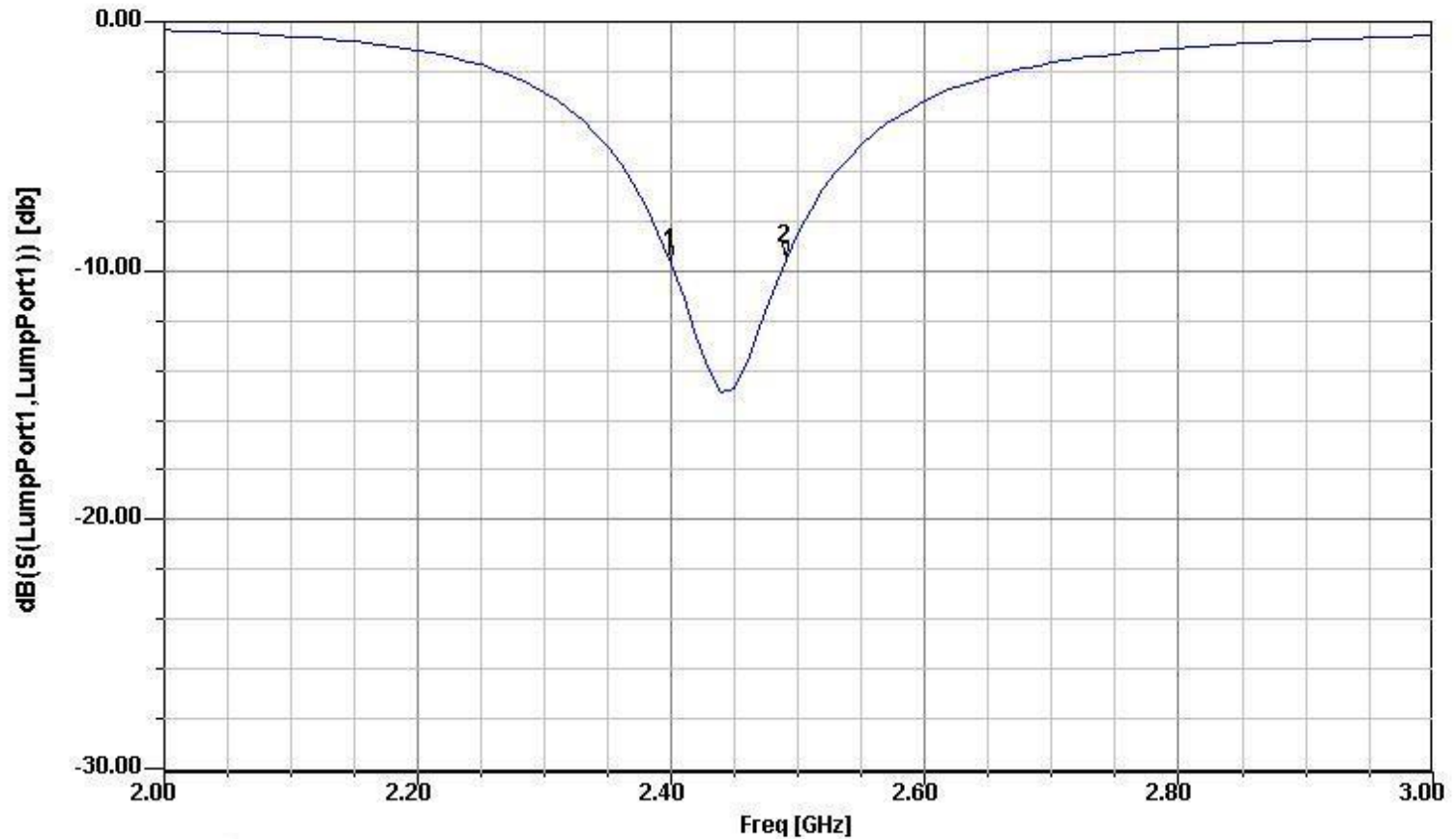


# PCB Antenna Simulation

## (S11)

Ansoft Corporation  
XY Plot 1  
HFSSDesign1

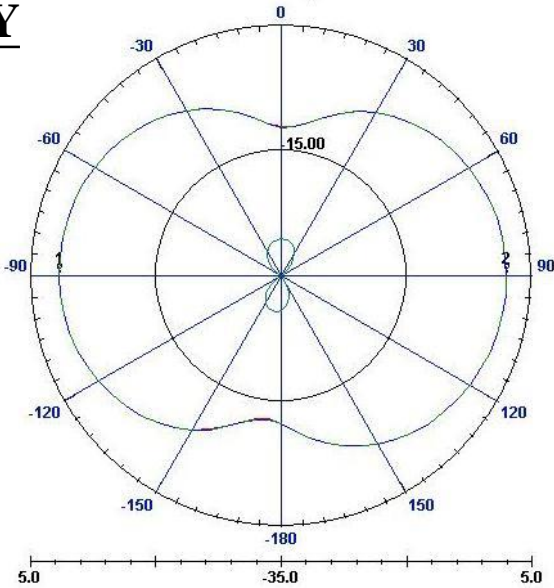
**BW(RL<10dB): 90 MHz**



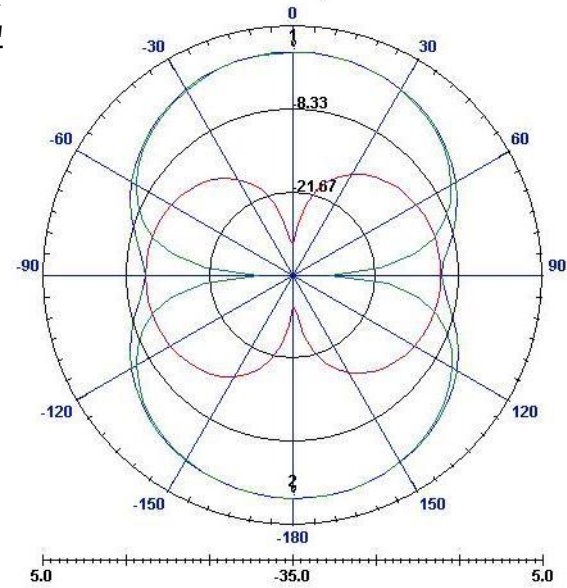
X1= 2.40GHz	X2= 2.49GHz
Y1= -9.70	Y2= -9.58

# PCB Antenna Simulation (Radiation)

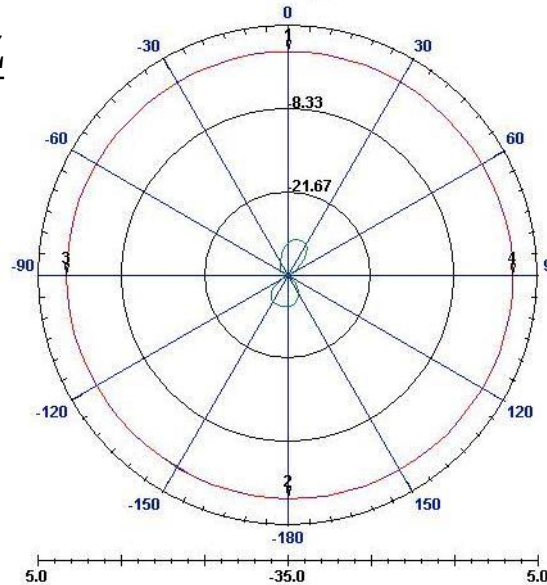
XY



XZ



YZ



**Efficiency: 76%**

**Avg. Gain: -1.2 dBi**