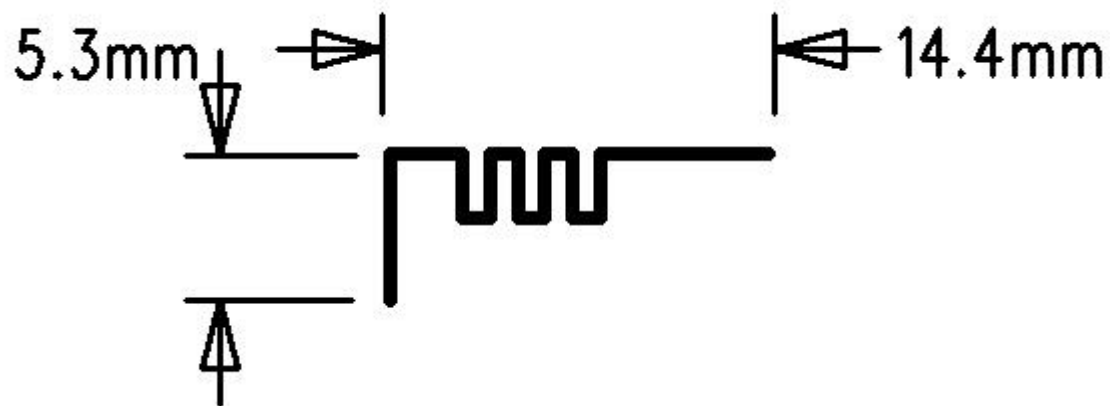
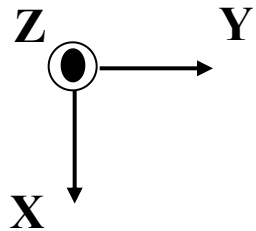


# PCB Antenna Simulation

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Test Address</b>    | /                                                                      |
| <b>Test Date</b>       | /                                                                      |
| <b>Test Instrument</b> | /                                                                      |
| <b>Part Number</b>     | /                                                                      |
| <b>Manufacture</b>     | Huizhou Desire Precision Electronics Co., Ltd.                         |
| <b>Address</b>         | Huizhou Zhongkai High-tech Zone, Tongqiao Industrial Park, No. 2 Floor |

# PCB Antenna pattern

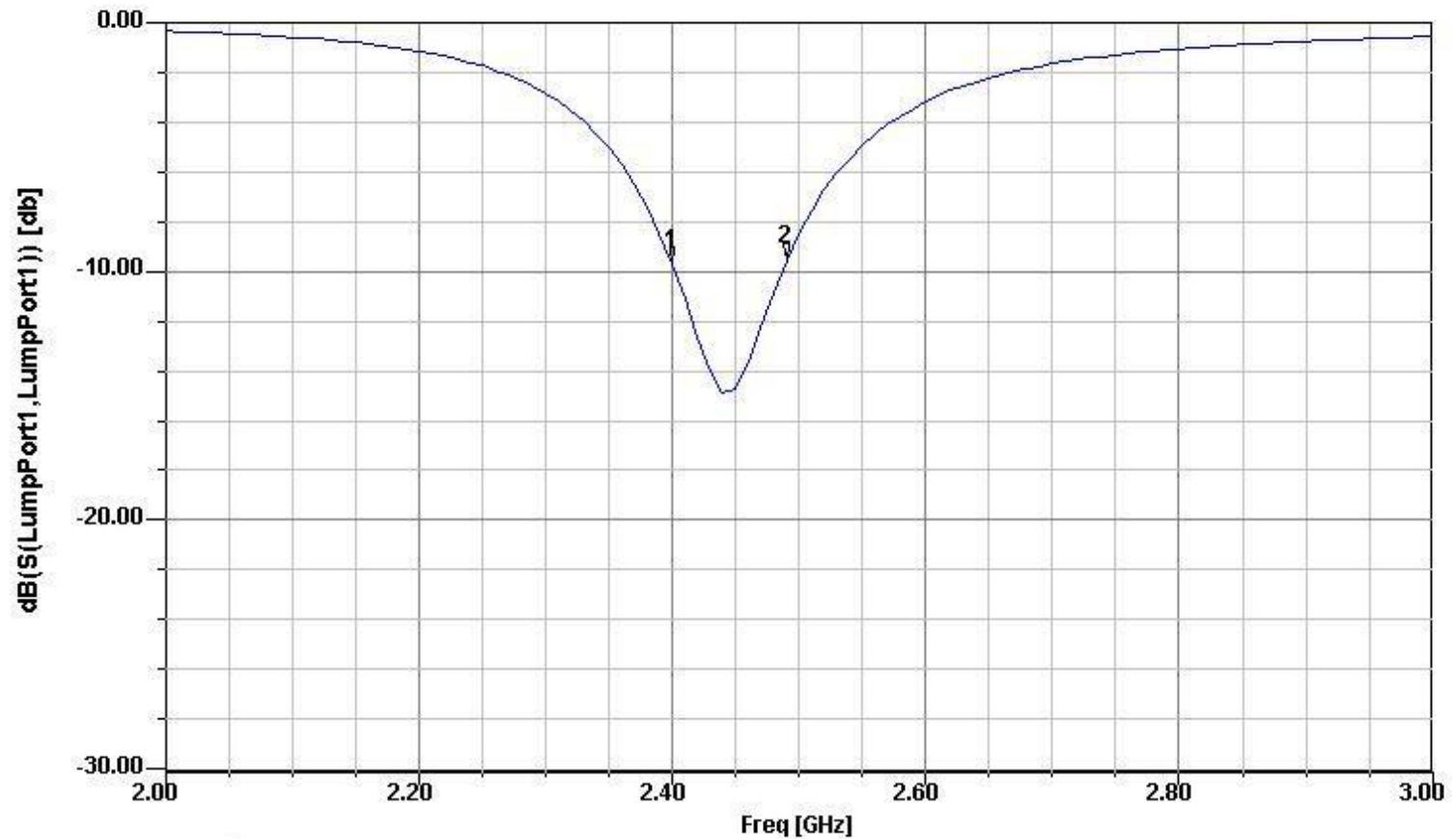


# PCB Antenna Simulation

(S11)

Ansoft Corporation  
XY Plot 1  
HFSSDesign1

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



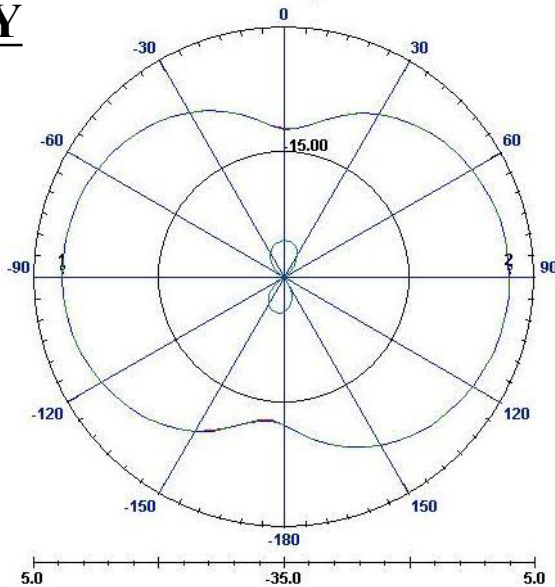
|             |             |
|-------------|-------------|
| X1= 2.40GHz | X2= 2.49GHz |
| Y1= -9.70   | Y2= -9.58   |

# PCB Antenna Simulation

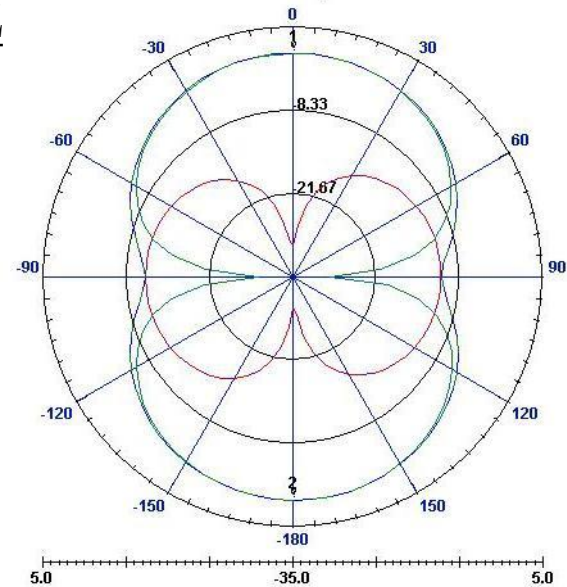
Frequency: 2441.75MHz

## (Radiation)

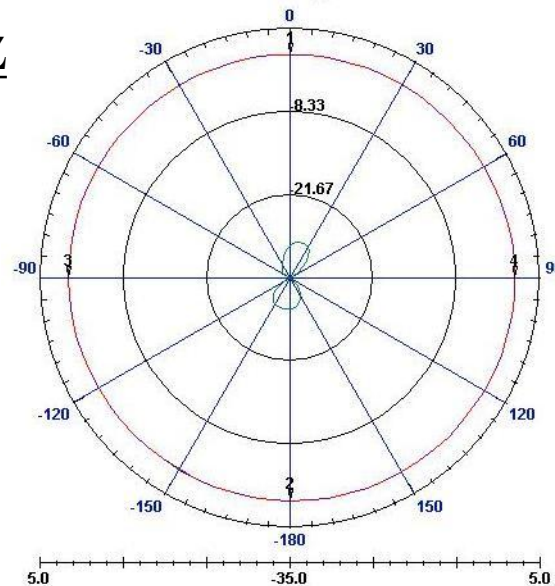
XY



XZ



YZ



**Efficiency: 76%**

**Peak. Gain: 0.944 dBi**