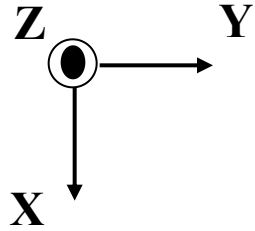


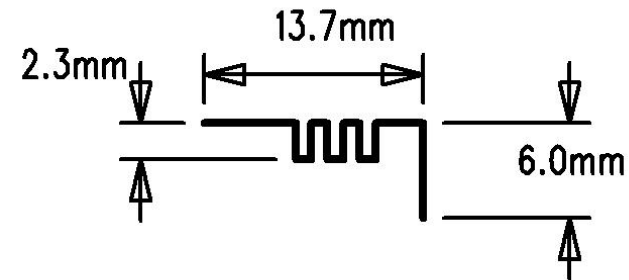
PCB Antenna Simulation

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

PCB Antenna pattern



ITEM	SPE.
MAX.GAIN	1.5dBi
Polarization	Horizontal
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ω
Antenna Length	3.35CM

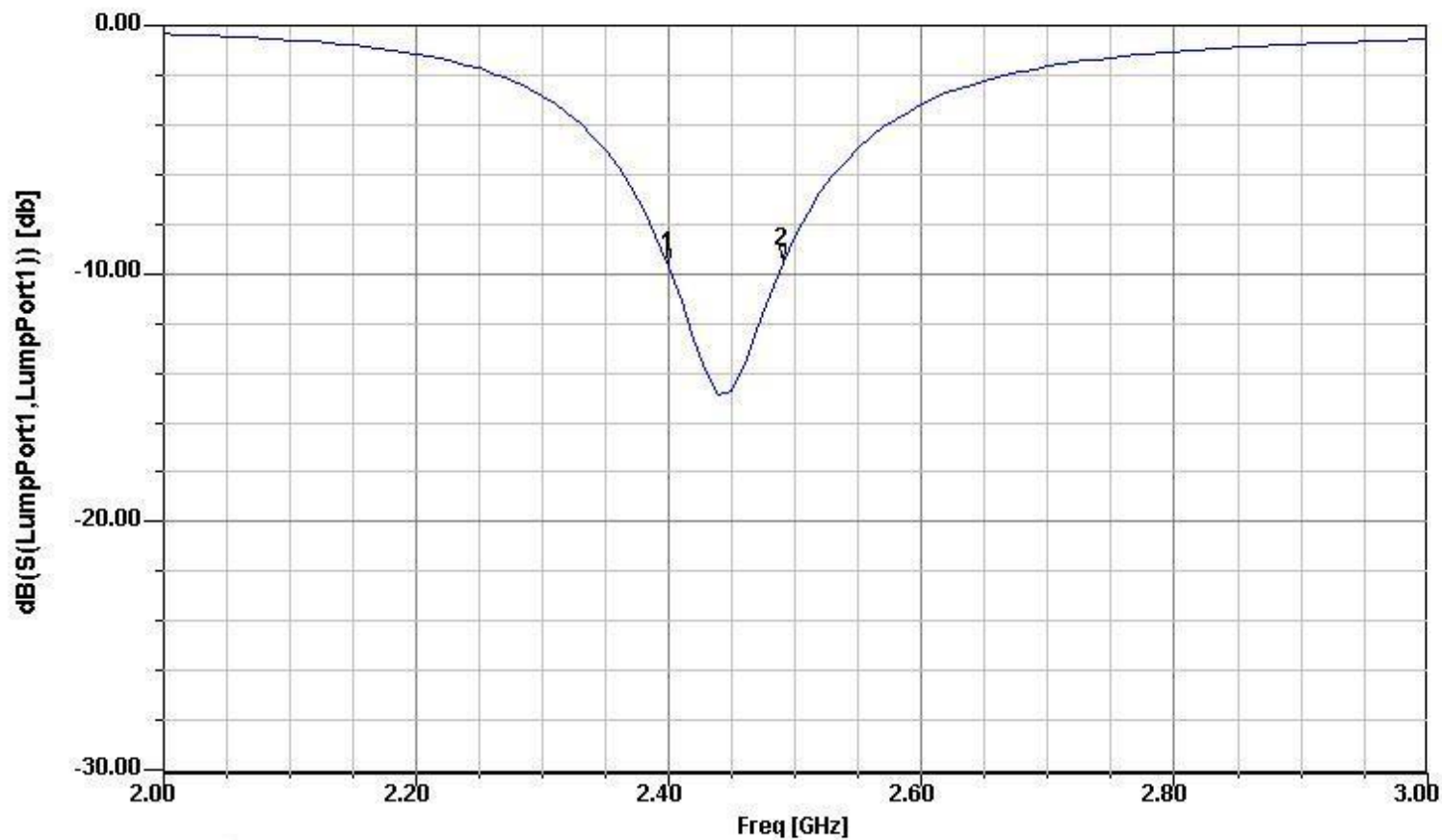


PCB Antenna Simulation

(S11)

Ansoft Corporation
XY Plot 1
HFSSDesign1

BW(RL<10dB): 90 MHz

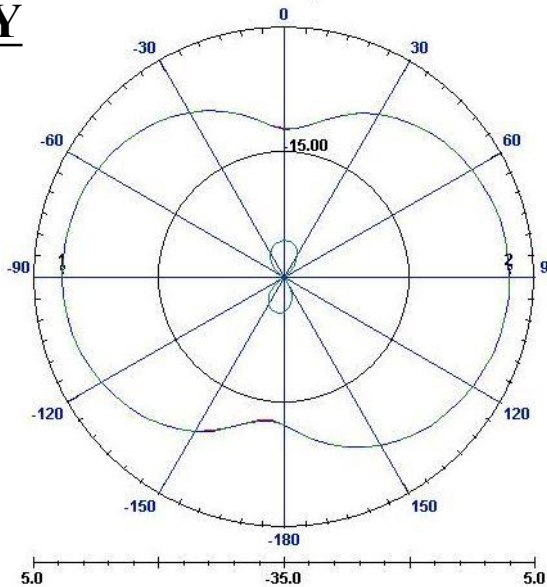


X1= 2.40GHz	X2= 2.49GHz
Y1= -9.70	Y2= -9.58

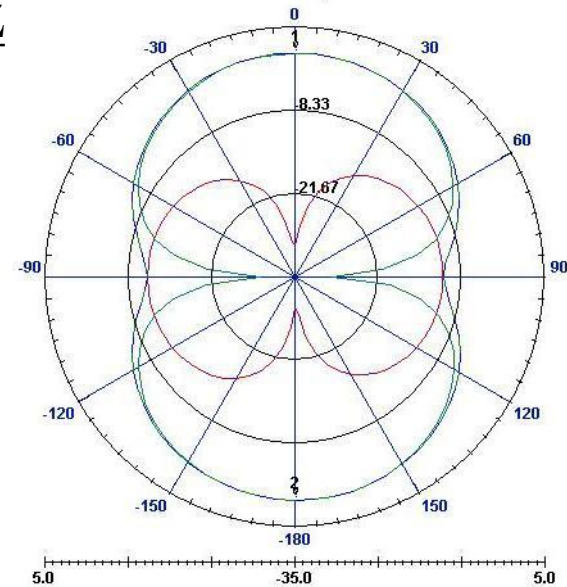
PCB Antenna Simulation

2402MHz (Radiation)

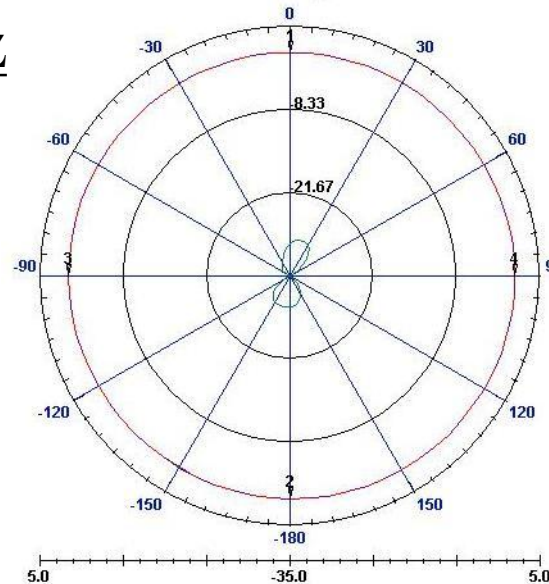
XY



XZ



YZ



Efficiency: 76%

MAX.Gain:1.5dBi

Avg. Gain: -1.2 dBi Min. Gain: -30.7 dBi