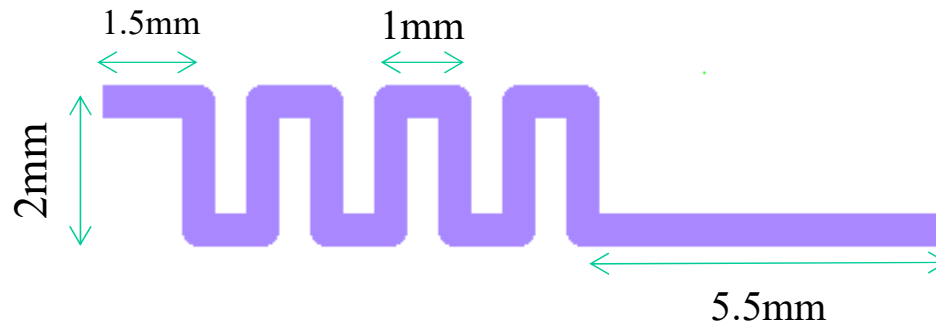
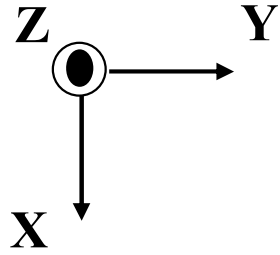


PCB Antenna Simulation

PCB Antenna pattern



Manufacturers:

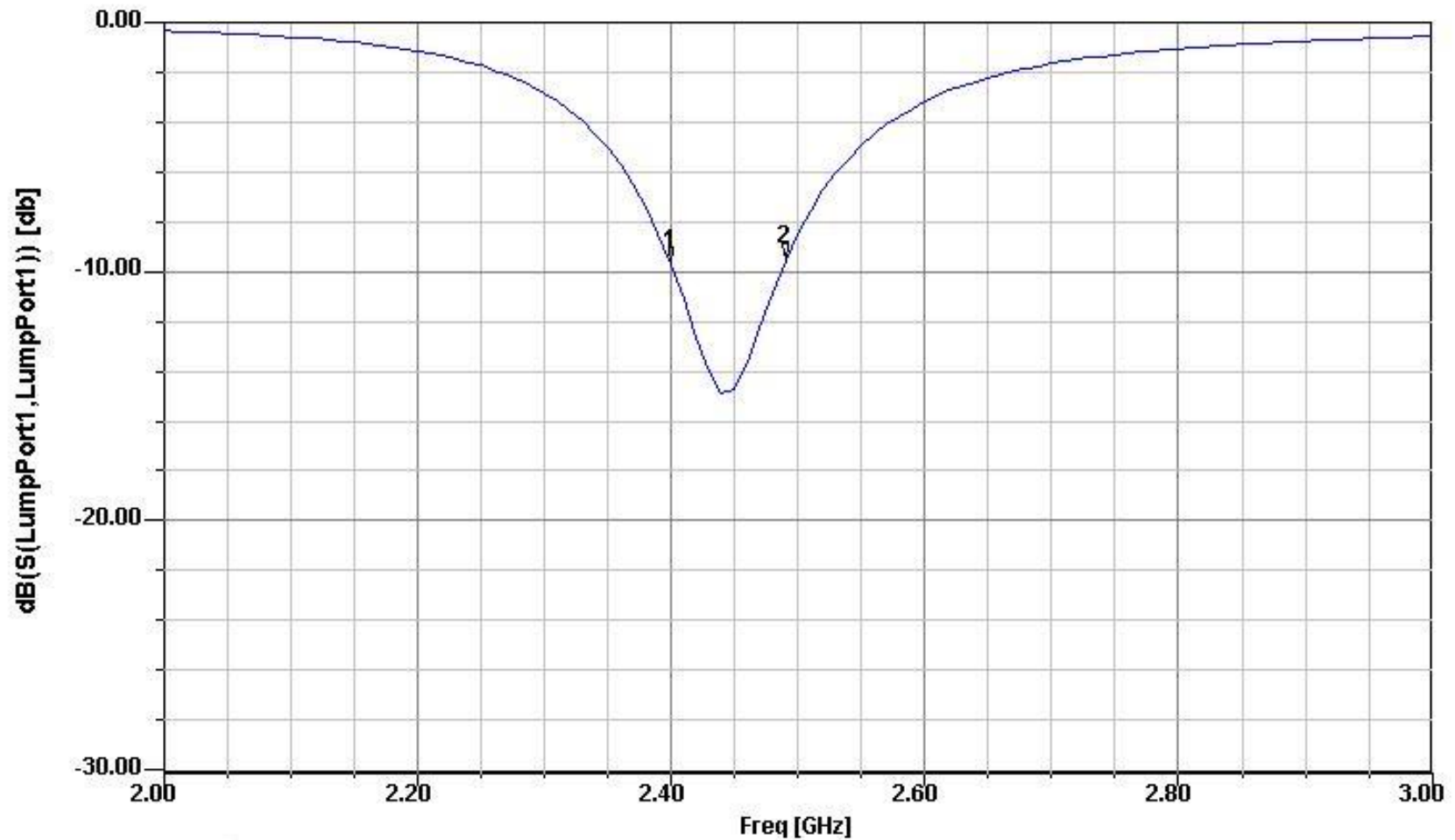
Shenzhen Hangshi Electronic Technology Co., Ltd.

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

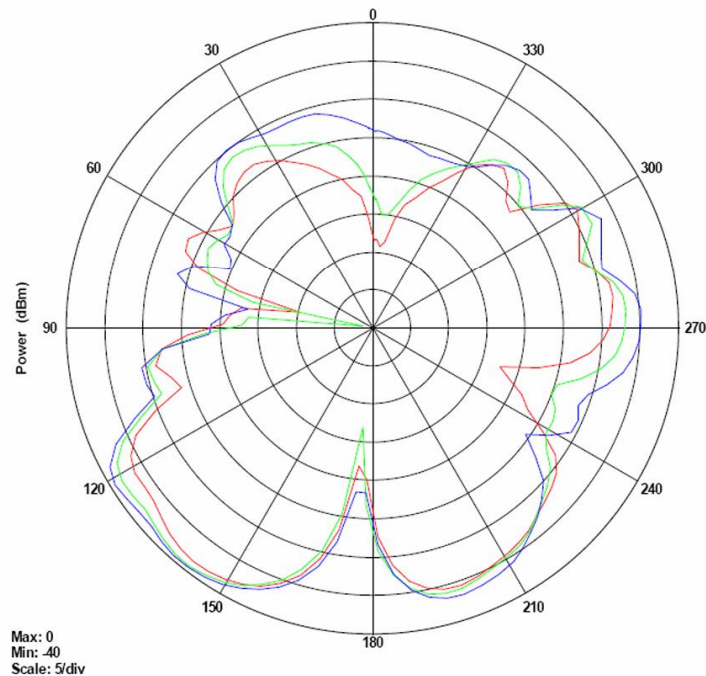
(Radiation)

Efficiency: 76%

Avg. Gain: -1.2 dBi

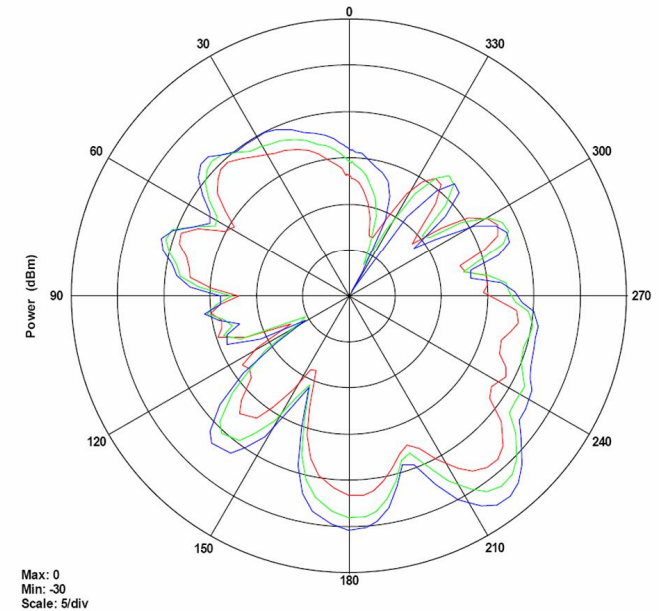
Horizontal:

2408MHz 2440MHz 2478MHz



Vertical:

2408MHz 2440MHz 2478MHz



Frequency (MHz)	Gain(dBi)		
	Max.	Min.	Avg.
2408	-1.66179	-30.2813	-8.78713
2440	-1.54781	-38.7595	-7.87812
2478	-1.21496	-23.6329	-6.99139

Frequency (MHz)	Gain(dBi)		
	Max.	Min.	Avg.
2408	-6.1623	-23.1425	-12.5295
2440	-3.6534	-26.2866	-10.6699
2478	-2.2101	-29.4381	-9.58526