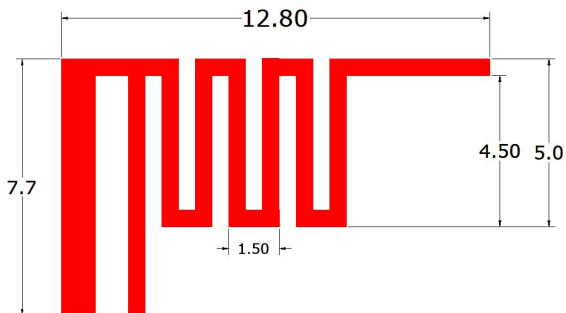


Antenna Specification

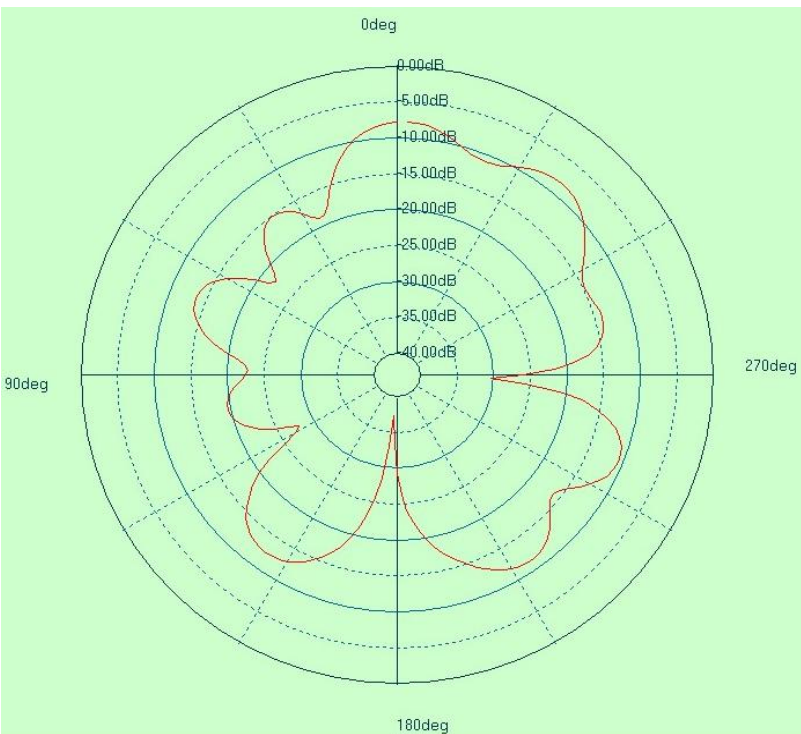
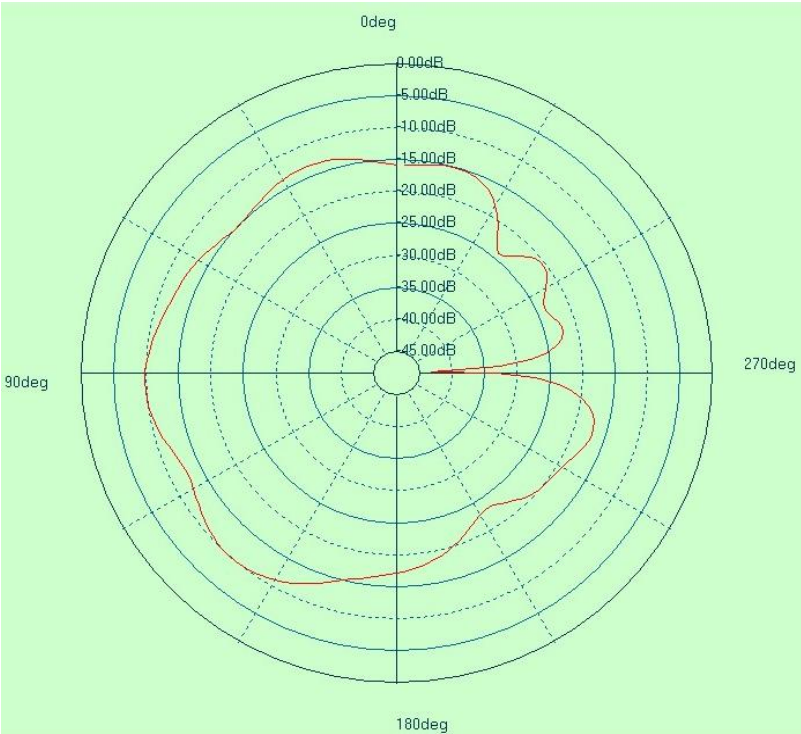
Item	Spec		
Model Name	IBM 2.4GHz		
Frequency	Maximum ant gain (dBi)	Efficiency(%)	
2402MHz	Horizontal	-7.30	38.15
	Vertical	-7.85	37.93
2440MHz	Horizontal	-7.52	37.63
	Vertical	-7.55	39.22
2480MHz	Horizontal	-7.53	36.11
	Vertical	-7.80	37.94
Impedance	50 Ohm		
Antenna Length	36.0 mm		

Antenna Photo & Length (mm)



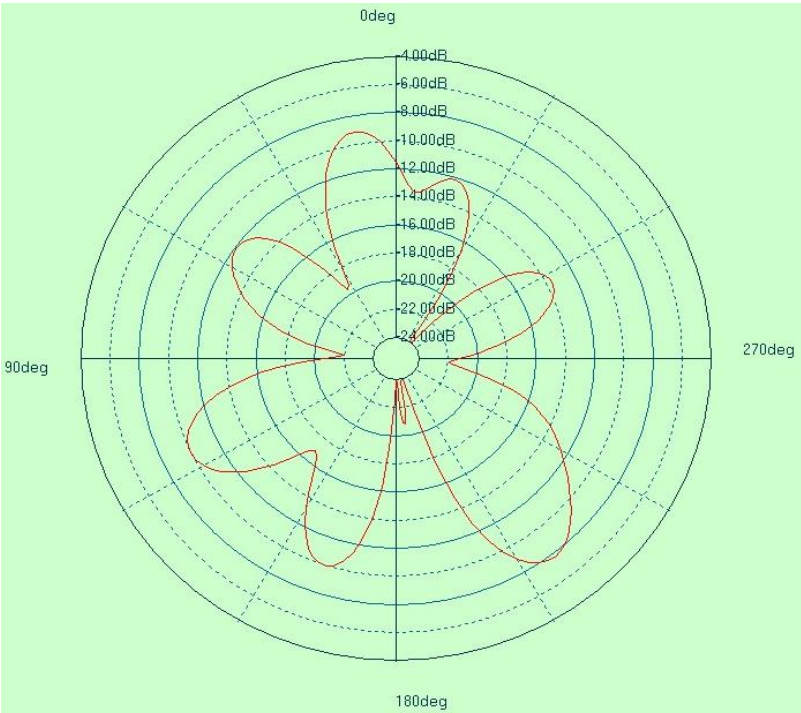
Theta=90 XY		
2402MHz	Peak gain(dBi)	Efficiency
H cut	-9.81	38.20
V cut	-7.85	37.93
Total	-5.23	38.63

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Phi=0 XZ		
2402MHz	Peak gain(dBi)	Efficiency
H cut	-7.30	38.15
V cut	-7.90	38.51
Total	-5.32	37.53

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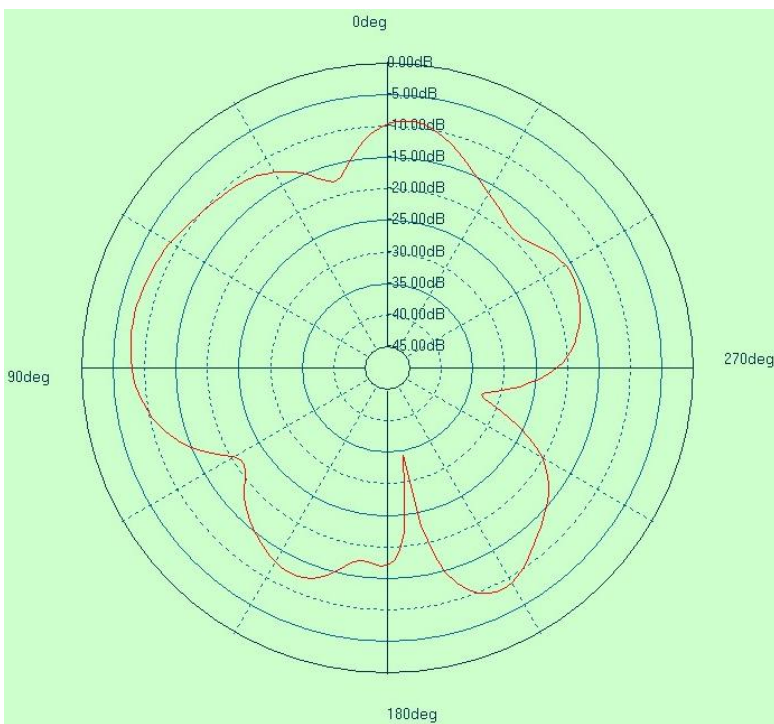
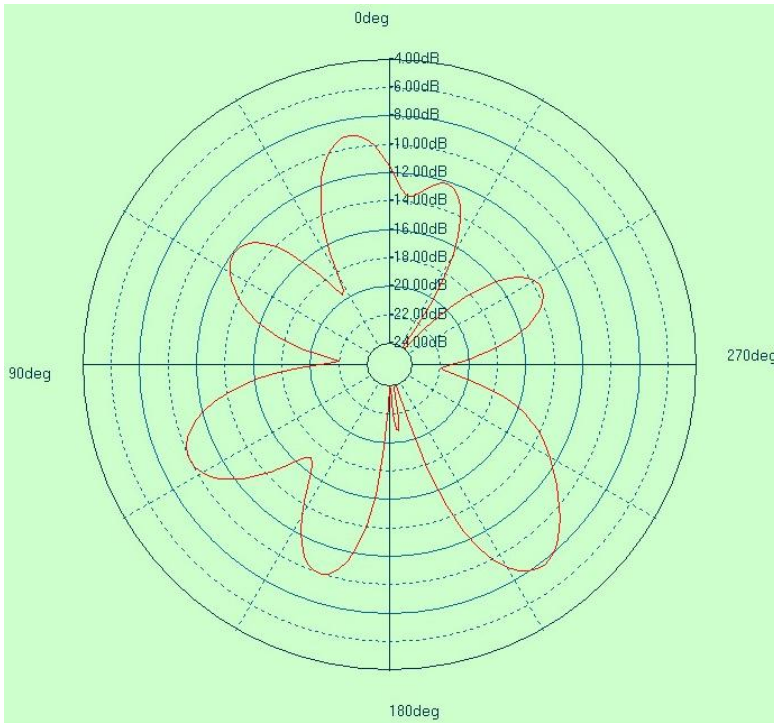
Theta=90 XY		
2440MHz	Peak gain(dBi)	Efficiency
H cut	-8.70	37.41
V cut	-7.55	39.22
Total	-7.20	37.45

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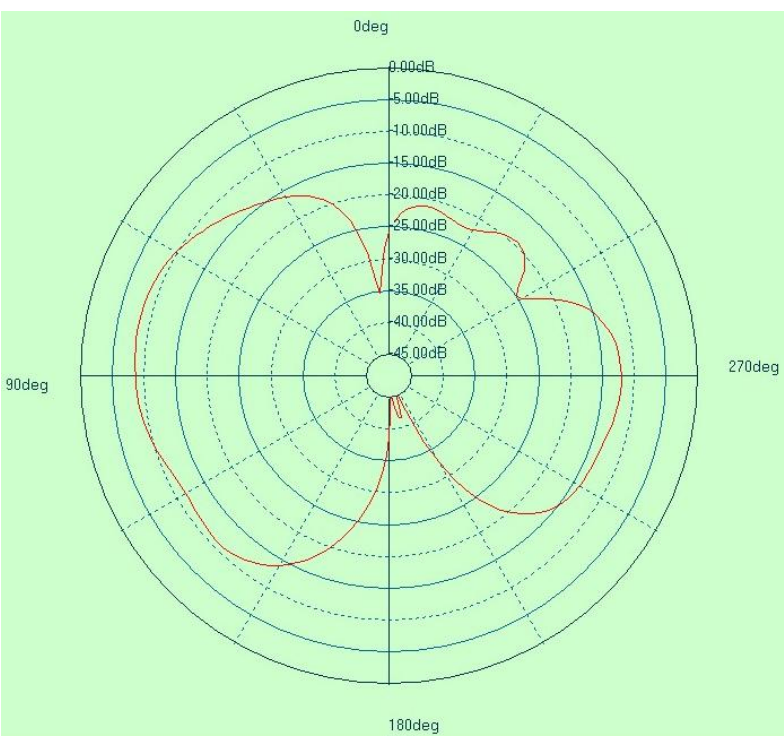
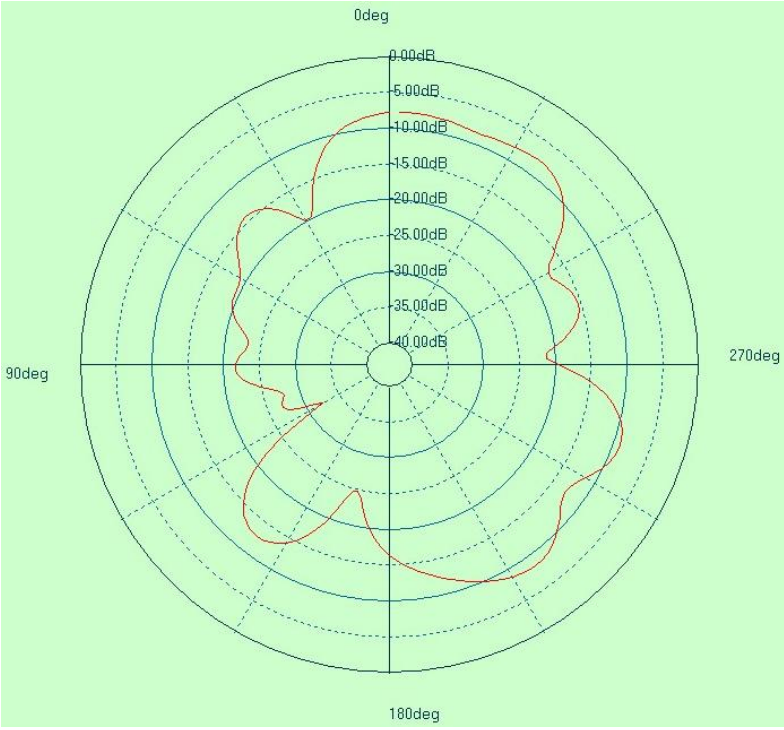
Phi=0 XZ		
2440MHz	Peak gain(dBi)	Efficiency
H cut	-7.52	37.63
V cut	-7.78	37.01
Total	-5.91	38.45

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Theta=90 XY		
2480MHz	Peak gain(dBi)	Efficiency
H cut	-8.37	38.10
V cut	-7.80	37.94
Total	-5.58	38.44

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Phi=0 XZ		
2480MHz	Peak gain(dBi)	Efficiency
H cut	-7.53	36.11
V cut	-9.44	37.34
Total	-6.71	38.74

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