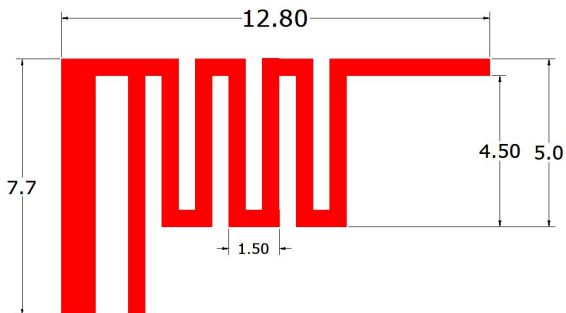


Antenna Specification

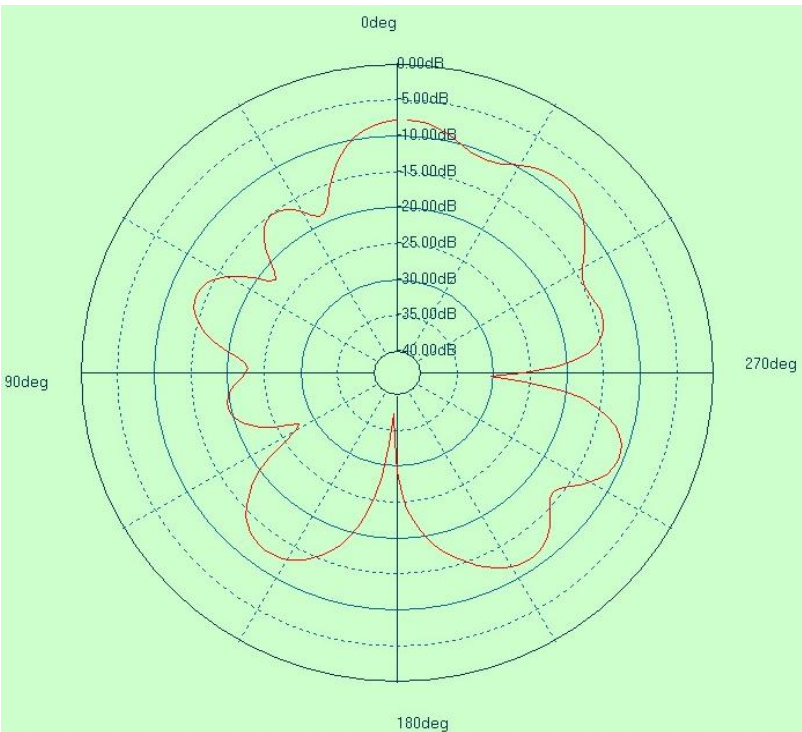
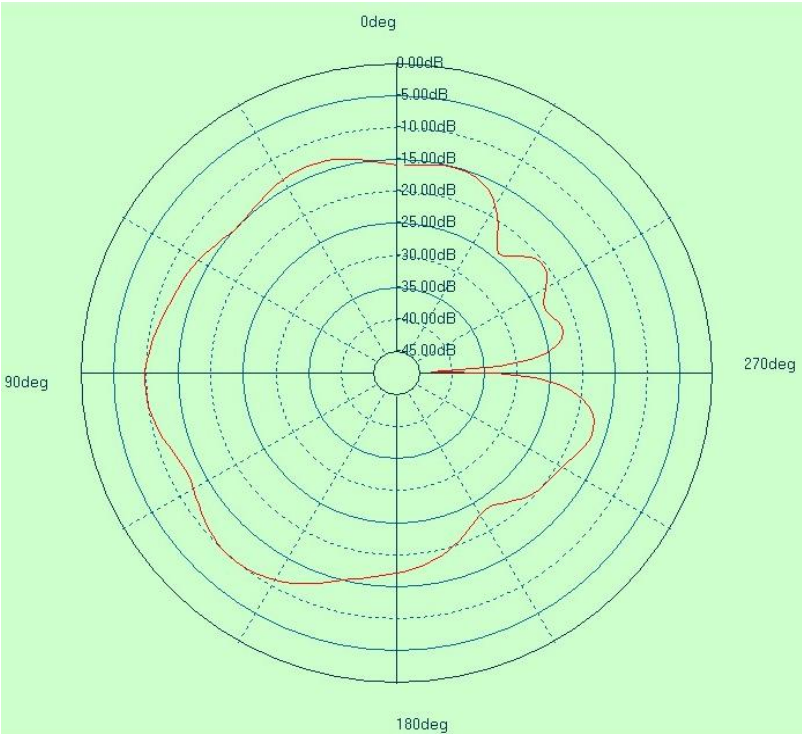
Item	Spec		
Model Name	IBM 2.4GHz		
Frequency	Maximum ant gain (dBi)	Minimum ant gain (dBi)	
2402MHz	Horizontal	-7.30	-19.54
	Vertical	-7.85	-22.21
2440MHz	Horizontal	-7.52	-28.65
	Vertical	-7.55	-20.36
2480MHz	Horizontal	-7.53	-29.69
	Vertical	-7.80	-20.50
Impedance	50 Ohm		
Antenna Length	36.0 mm		

Antenna Photo & Length (mm)



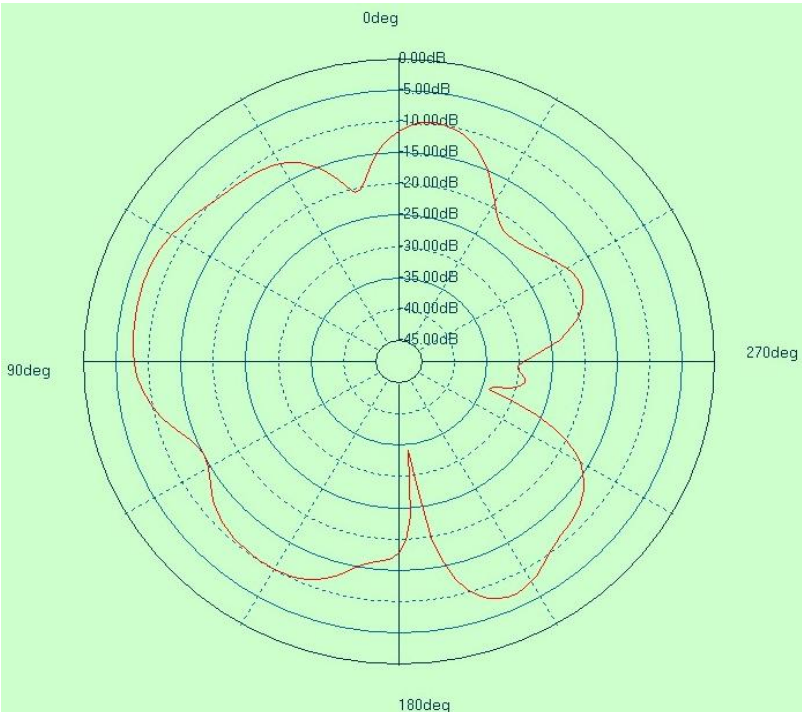
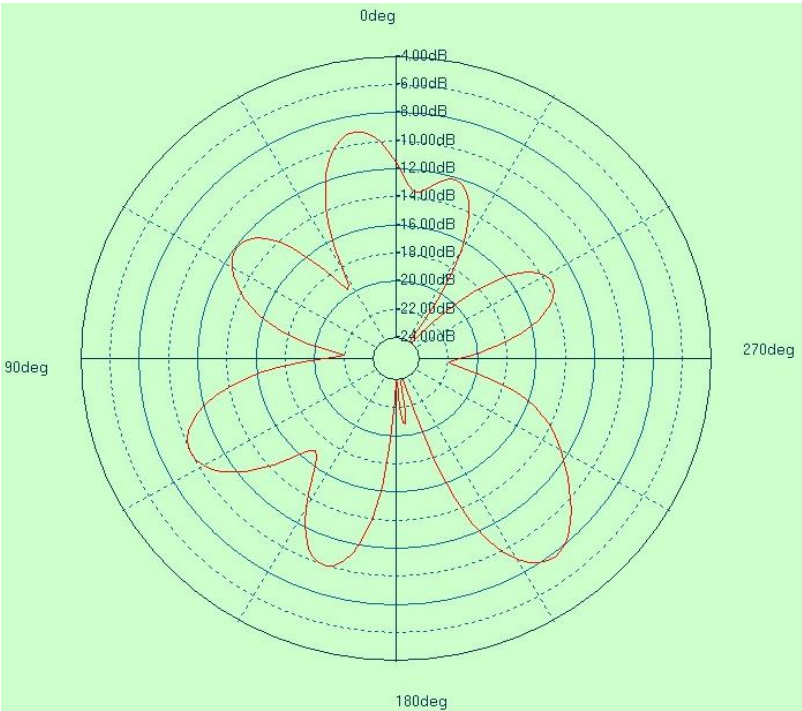
Theta=90 XY		
2402MHz	Peak gain(dBi)	Again(dBi)
H cut	-9.81	5.10
V cut	-7.85	5.57
Total	-5.23	3.09

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Phi=0 XZ		
2402MHz	Peak gain(dBi)	Again(dBi)
H cut	-7.30	6.45
V cut	-7.90	3.46
Total	-5.32	3.84

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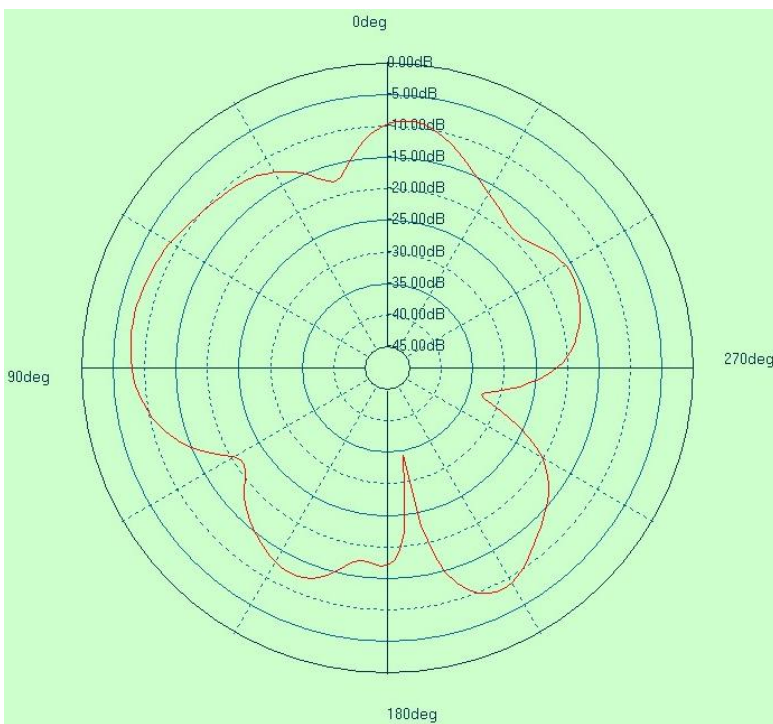
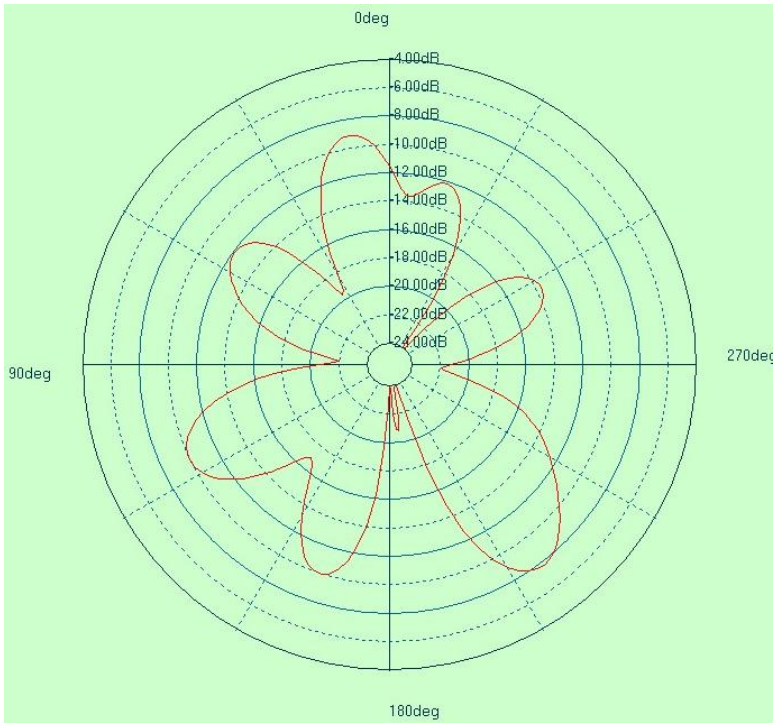
Theta=90 XY		
2440MHz	Peak gain(dBi)	Again(dBi)
H cut	-8.70	5.99
V cut	-7.55	5.78
Total	-7.20	3.10

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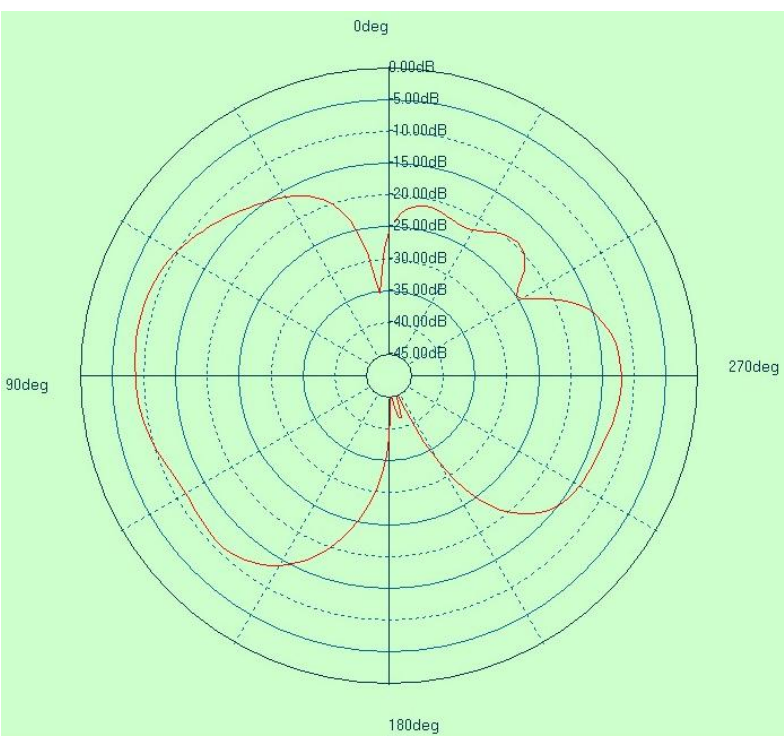
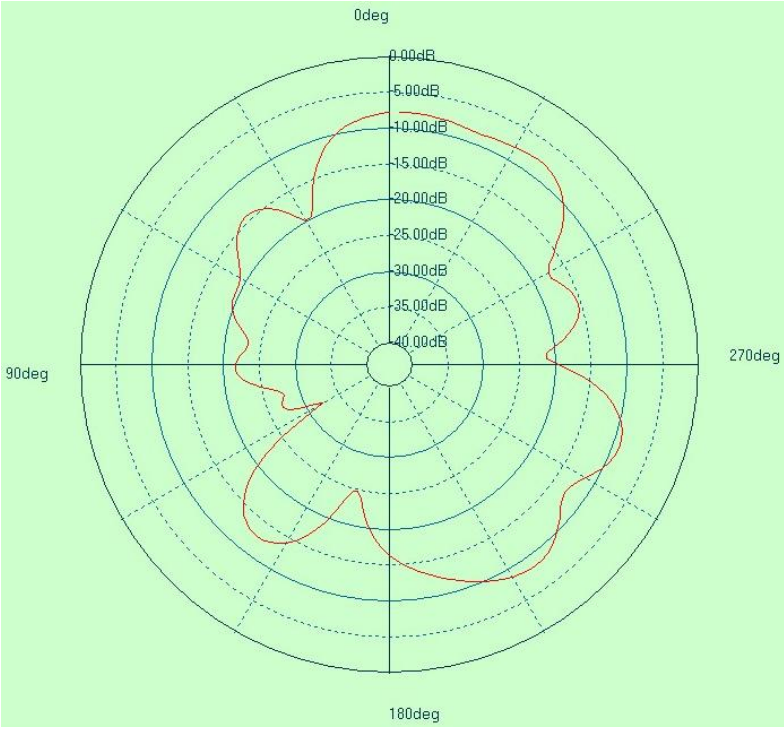
Phi=0 XZ		
2440MHz	Peak gain(dBi)	Again(dBi)
H cut	-7.52	5.62
V cut	-7.78	4.39
Total	-5.91	3.78

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Theta=90 XY		
2480MHz	Peak gain(dBi)	Again(dBi)
H cut	-8.37	9.86
V cut	-7.80	5.89
Total	-5.58	3.06

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Phi=0 XZ		
2480MHz	Peak gain(dBi)	Again(dBi)
H cut	-7.53	6.09
V cut	-9.44	5.96
Total	-6.71	4.35

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