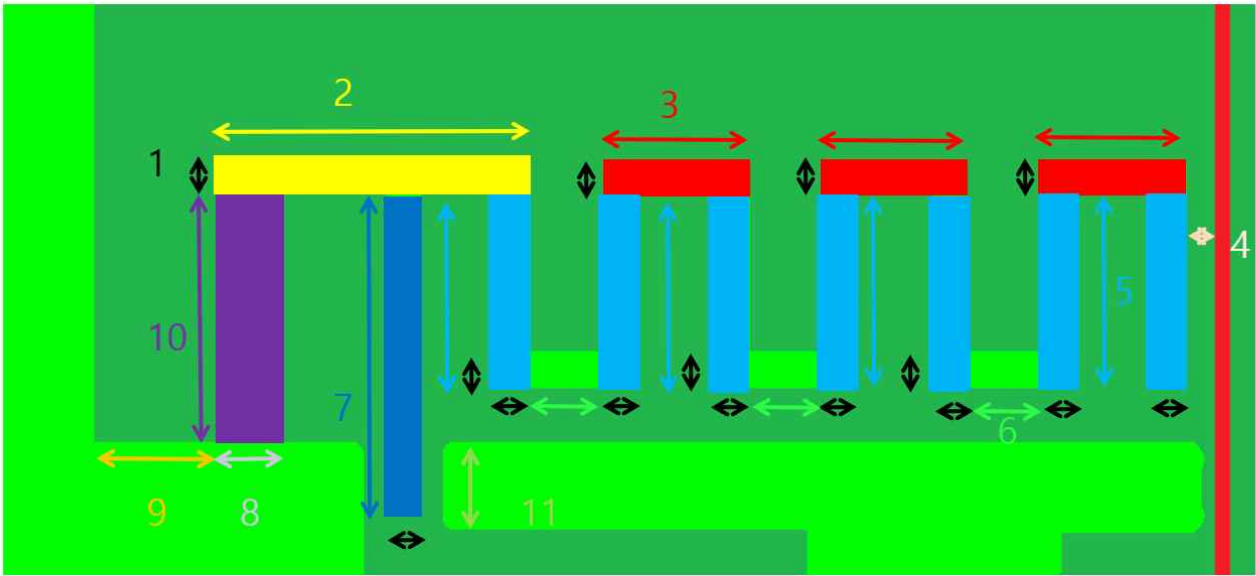


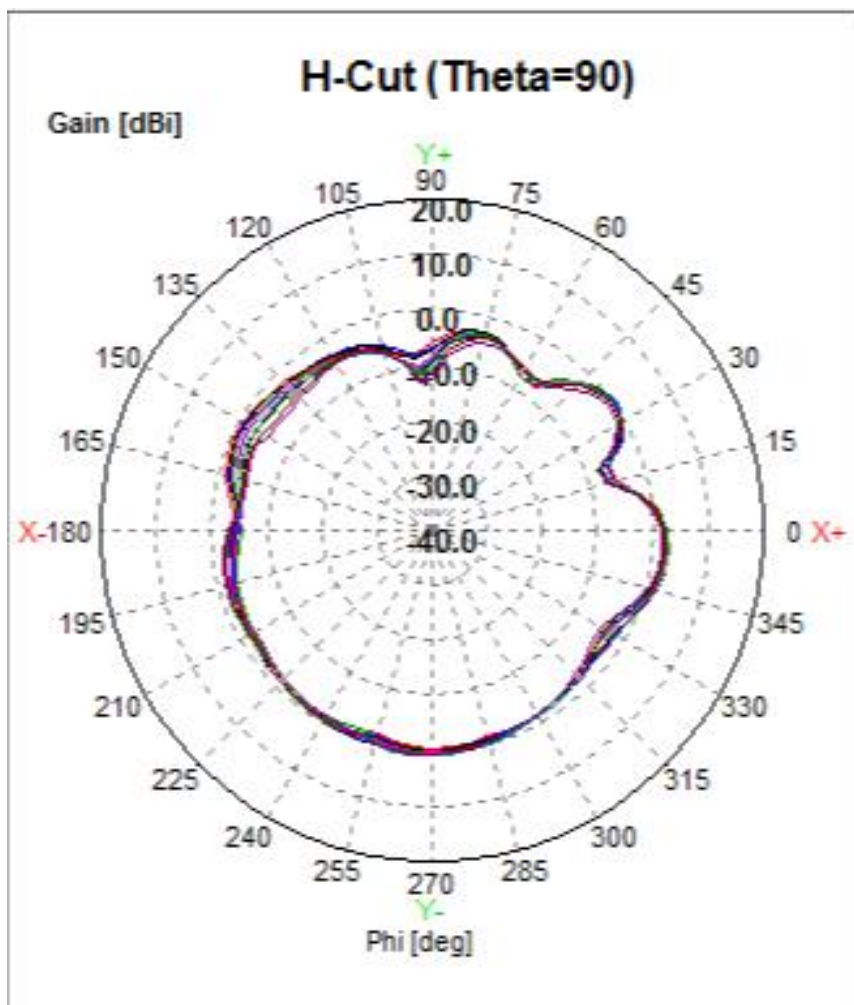
Small Size 2.4GHz PCB antenna

1.1 Layout and Implementation



번호	1	2	3	4	5	6	7	8	9	10	11
값 (mm)	0.5	4.3	2	0.4	2.65	1	4.4	0.9	1.7	3.4	1.2

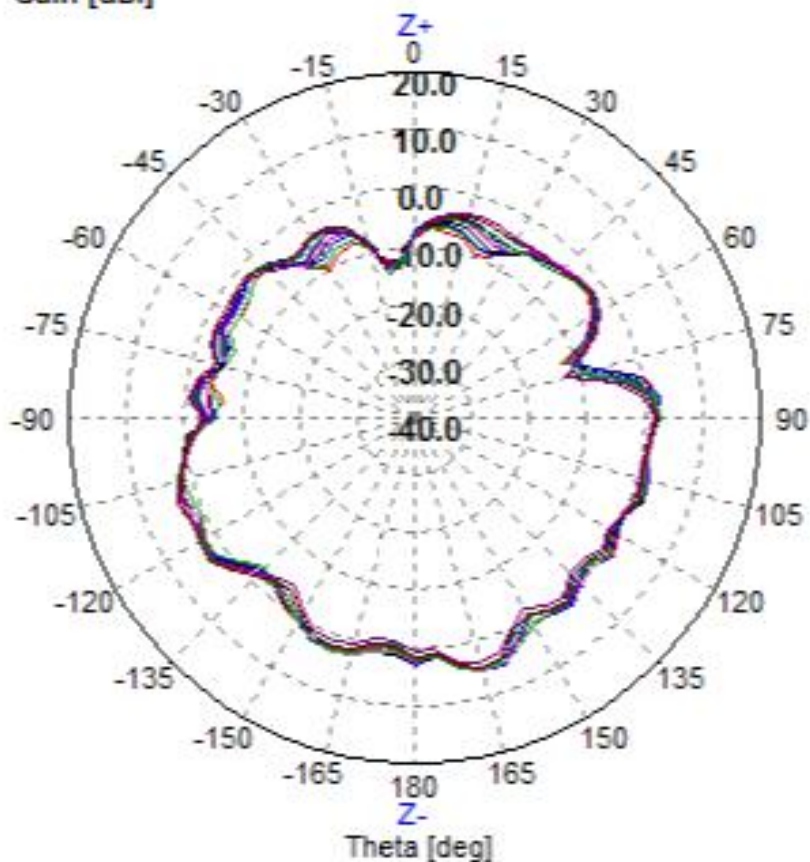
1.2 Radiation Pattern



No.	Freq.	H(Theta=90)			
		Avg.[dBi]	Peak[dBi]	Phi[deg]	BW[deg]
1	2400.000	-1.77	2.52	355.00	999.00
2	2410.000	-1.95	2.47	355.00	999.00
3	2420.000	-1.65	2.71	355.00	999.00
4	2430.000	-1.65	2.81	355.00	999.00
5	2440.000	-1.88	2.75	355.00	999.00
6	2450.000	-1.70	2.92	355.00	999.00
7	2460.000	-1.92	2.61	355.00	999.00
8	2470.000	-1.92	2.58	355.00	999.00
9	2480.000	-2.09	2.34	355.00	999.00
10	2490.000	-2.09	2.39	355.00	999.00
11	2500.000	-2.51	1.85	355.00	999.00

E1-Cut (Phi=0)

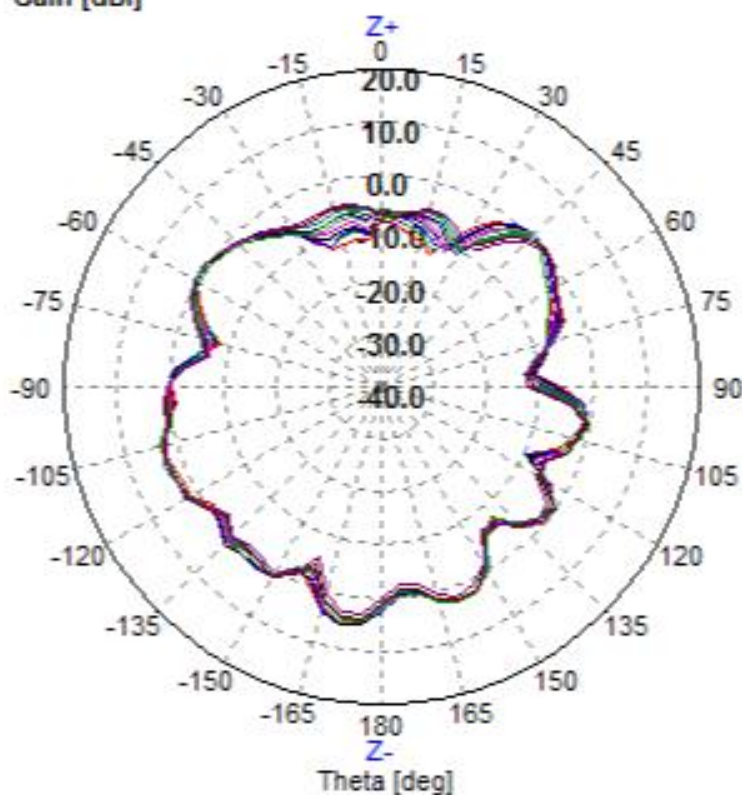
Gain [dBi]



No.	Freq.	E1(Phi=0)			
		Avg.[dBi]	Peak[dBi]	Theta[deg]	BW[deg]
1	2400.000	-0.50	5.25	160.00	21.50
2	2410.000	-0.55	5.15	160.00	21.24
3	2420.000	-0.19	5.64	165.00	19.86
4	2430.000	-0.20	5.65	165.00	18.86
5	2440.000	-0.33	5.34	165.00	19.53
6	2450.000	-0.10	5.46	165.00	20.17
7	2460.000	-0.45	5.03	165.00	19.75
8	2470.000	-0.38	5.19	165.00	17.45
9	2480.000	-0.57	4.80	165.00	18.13
10	2490.000	-0.51	4.85	165.00	17.31
11	2500.000	-1.05	3.99	165.00	17.80

E2-Cut (Phi=90)

Gain [dBi]



		E2(Phi=90)			
No.	Freq.	Avg.[dBi]	Peak[dBi]	Theta[deg]	BW[deg]
1	2400.000	-1.00	5.42	-170.00	15.71
2	2410.000	-1.02	5.28	-170.00	16.00
3	2420.000	-0.70	5.76	-170.00	15.80
4	2430.000	-0.79	5.48	-170.00	15.71
5	2440.000	-0.97	5.01	-170.00	15.71
6	2450.000	-0.80	5.07	-170.00	15.30
7	2460.000	-1.08	4.58	-170.00	14.90
8	2470.000	-1.05	4.63	-170.00	15.20
9	2480.000	-1.13	4.11	-170.00	15.30
10	2490.000	-1.12	4.09	-170.00	999.00
11	2500.000	-1.56	3.34	-110.00	34.30