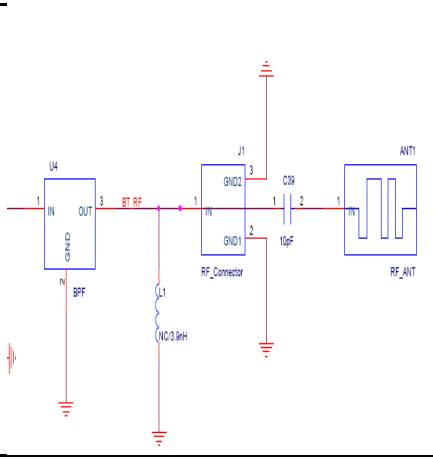
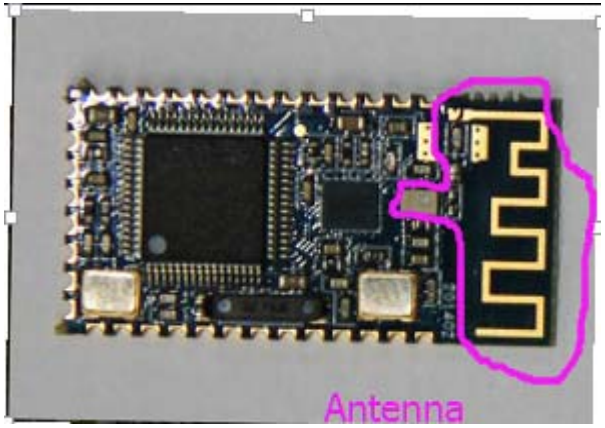
Print PCB Antenna 1#

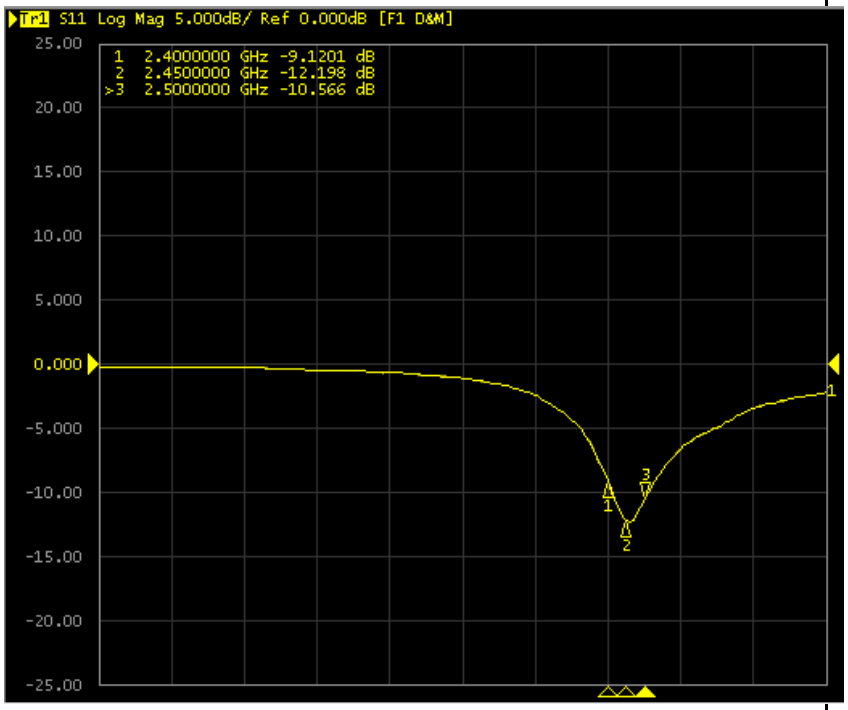
1. Macting & Photo



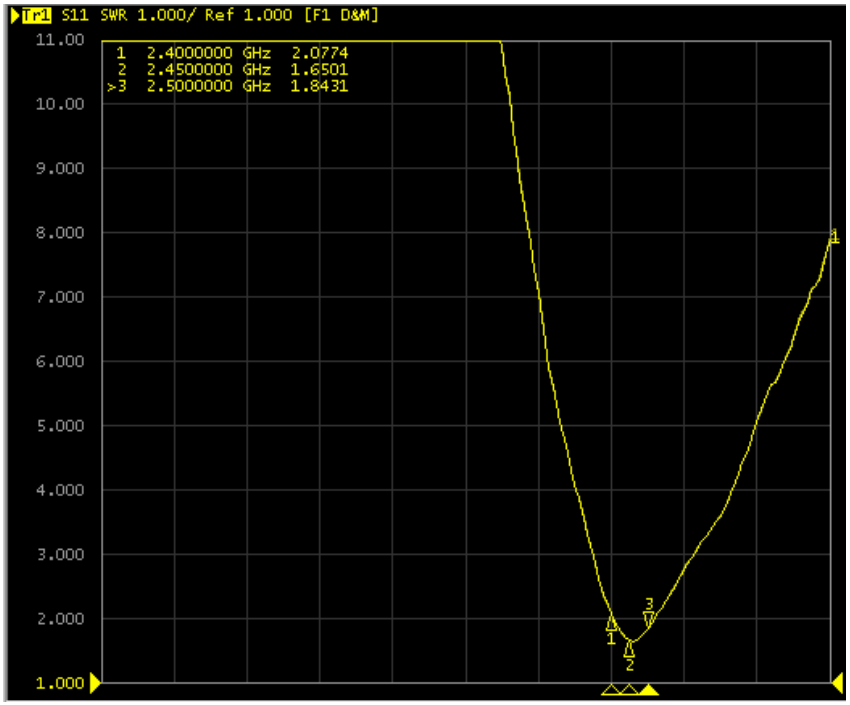
Element	Value
U4	2.4GHz SAW fiter
L1	No Load
J1	No Load
C39	10PF to PCB Antenna



2.Return loss



3. VSWR



Frequency(MHz)	VSWR	Requirement(dBi)	Result

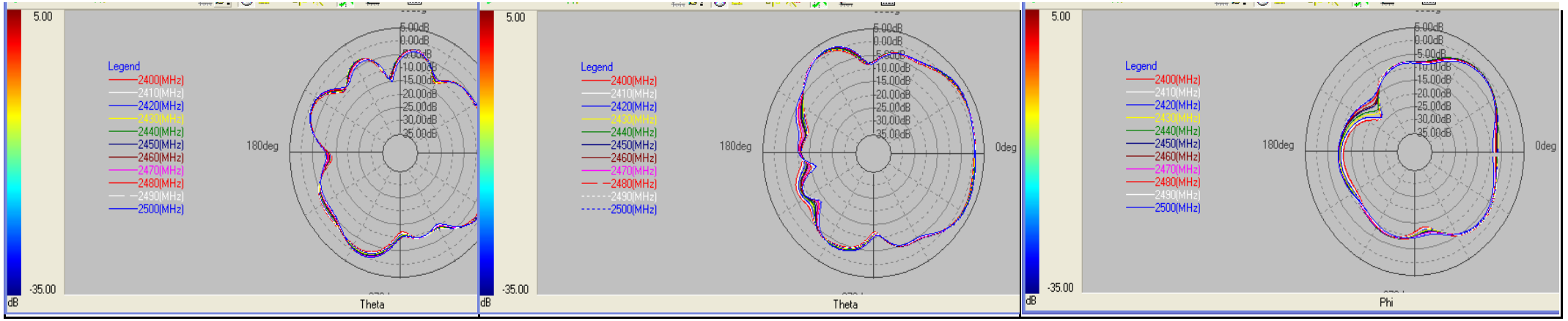
2400	2.07		
2410			
2420			
2430			
2440			
2450	1.65		
2460			
2470			
2480			
2490			
2500	1.84		

4. Efficiency&Gain

Frequency(MHz)	Efficiency	Average gain	Requirement(dBi)	Result	Peak gain	Requirement	Result
2400	47.23%	-3.26			1.74		
2410	48.25%	-3.16			1.98		
2420	48.62%	-3.13			2.12		
2430	49.26%	-3.07			2.29		
2440	49.57%	-3.05			2.39		
2450	50.23%	-2.99			2.53		
2460	50.18%	-2.99			2.57		
2470	50.64%	-2.95			2.78		
2480	50.72%	-2.94			2.84		
2490	50.43%	-2.97			2.91		
2500	50.32%	-2.98			2.74		

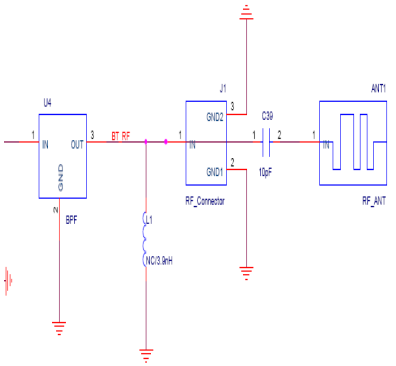
5. Radiated pattern

E1	E2	H
		

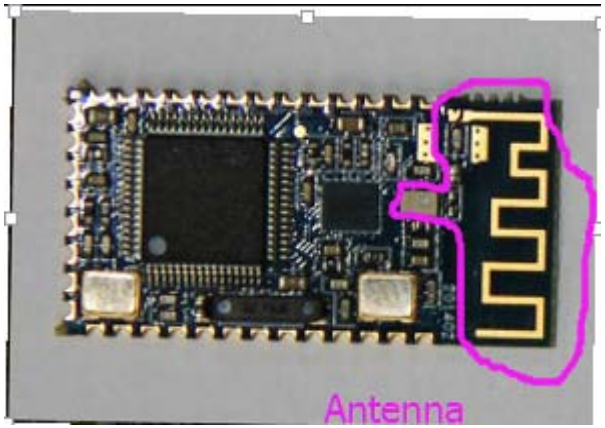


Print PCB Antenna 5#

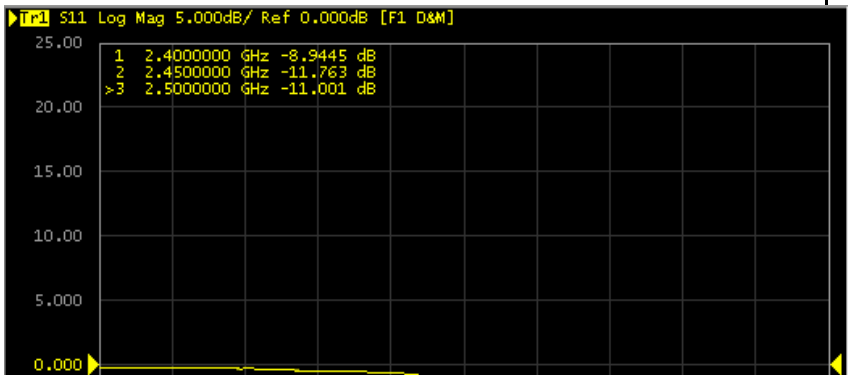
1. Macting & Photo



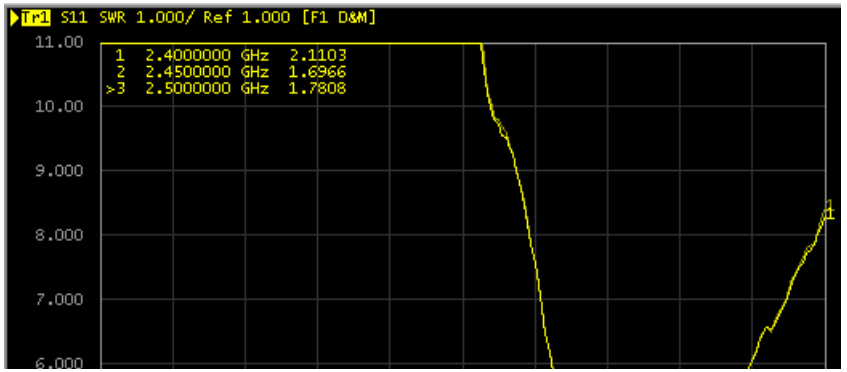
Element	Value
U4	2.4GHz SAW fiter
L1	No Load
J1	No Load

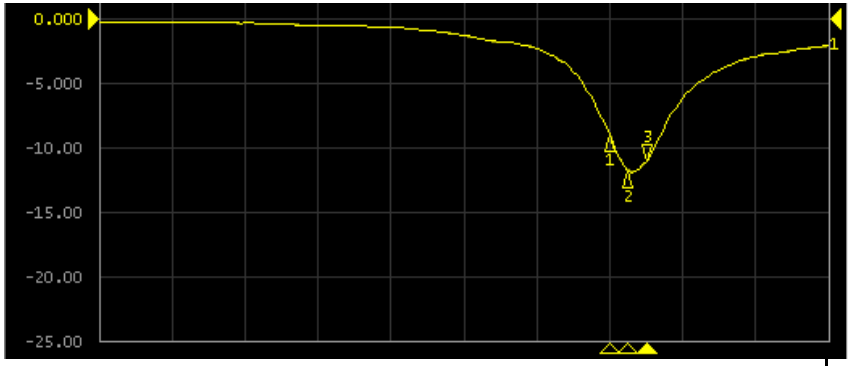


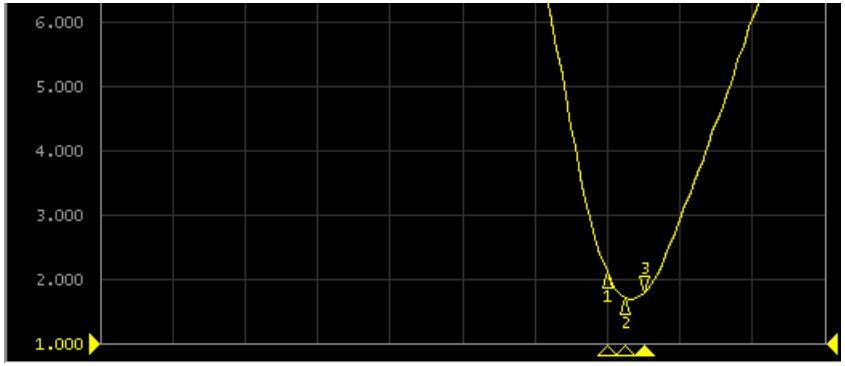
2.Return loss



3. VSWR







Frequency(MHz)	VSWR	Requirement(dBi)	Result
2400	2.11		
2410			
2420			
2430			
2440			
2450	1.69		
2460			
2470			
2480			
2490			
2500	1.78		

4. Efficiency&Gain

Frequency(MHz)	Efficiency	Average gain	Requirement(dBi)	Result	Peak gain	Requirement	Result
2400	45.57%	-3.41			1.62		
2410	47.88%	-3.19			1.89		
2420	48.11%	-3.17			2.03		
2430	48.75%	-3.12			2.19		
2440	49.62%	-3.04			2.24		
2450	49.82%	-3.02			2.34		
2460	49.76%	-3.03			2.34		
2470	49.86%	-3.02			2.49		

	2480	49.94%	-3.01			2.56		
	2490	49.92%	-3.01			2.64		
	2500	48.86%	-3.11			2.55		

5. Radiated pattern

E1	E2	H