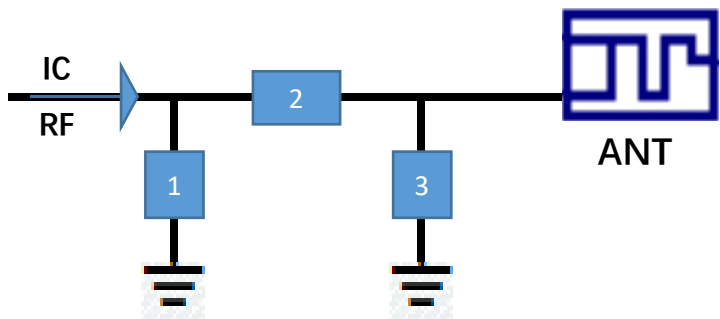


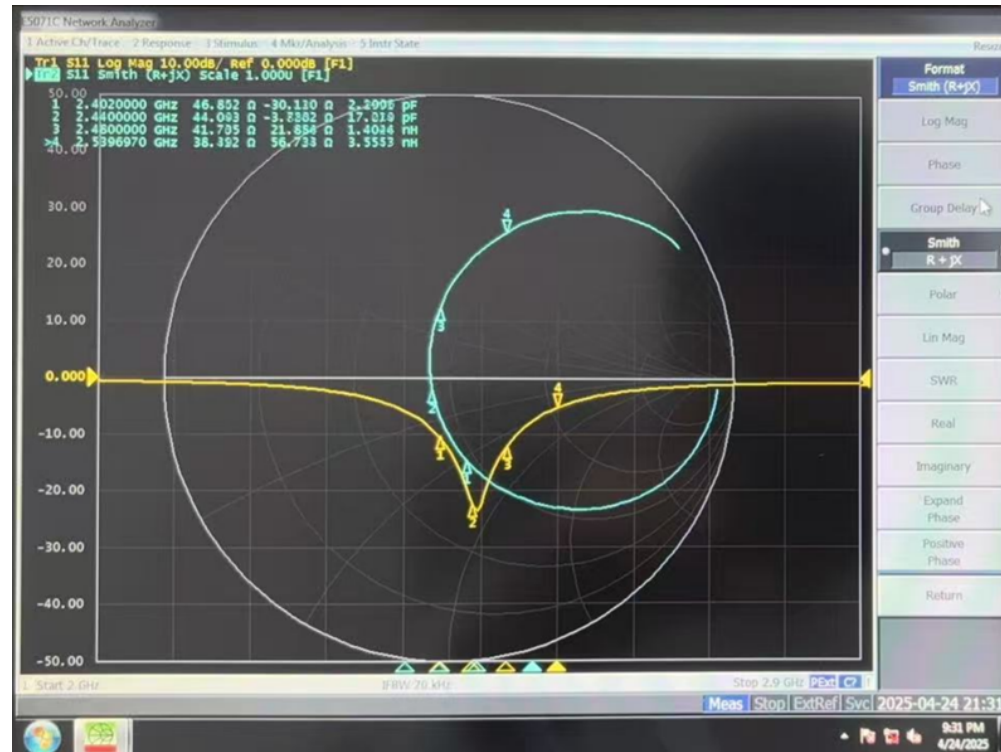
Antenna debugging project list



客户名称:	艾昕宸			
项目名称:	Seektag-PCB-V1.0			
主控芯片:				
调试日期:	20250516			
匹配物料编号:	物料规格尺寸	匹配参数值	物料名称	物料品牌
1	0402	NC		
2	0402	3.3nh	贴片电感	村田
3	0402	NC		
ANT	板载天线			



Antenna debugging project list



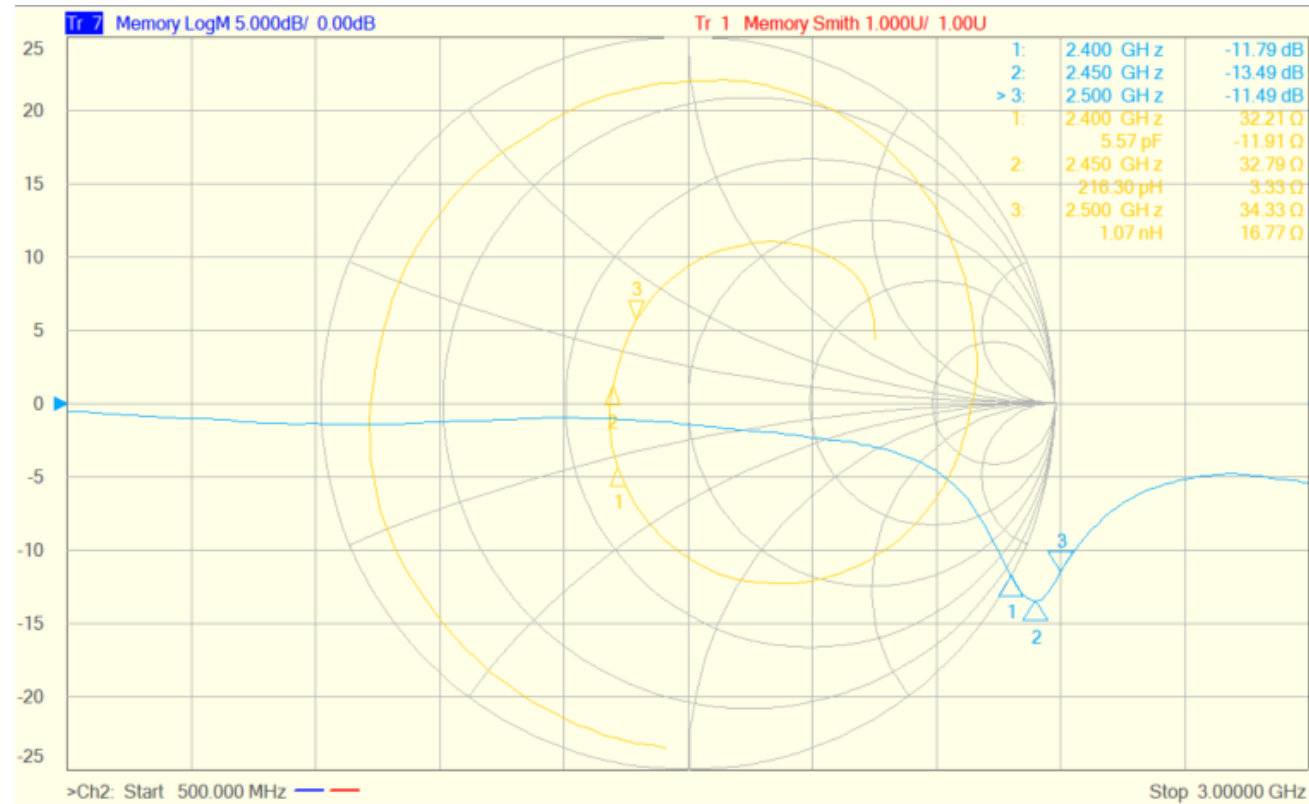
Fre.(MHz)	2402	2441	2483
S11(dB)	-10.11	-22.03	-12.08

Antenna debugging project list

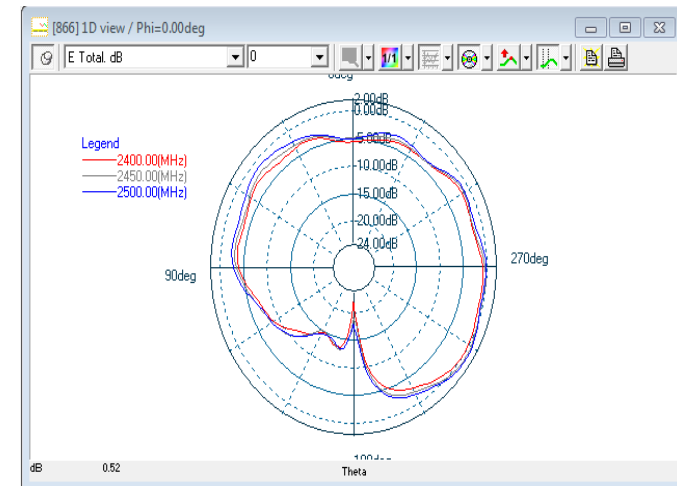
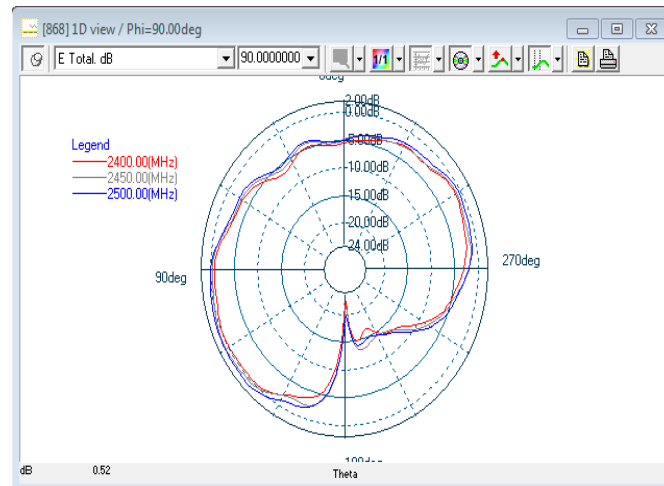
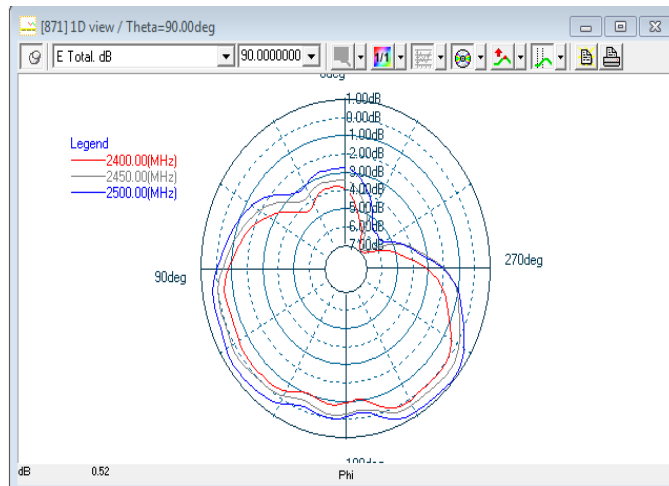
Seektag-PCB-V1.0



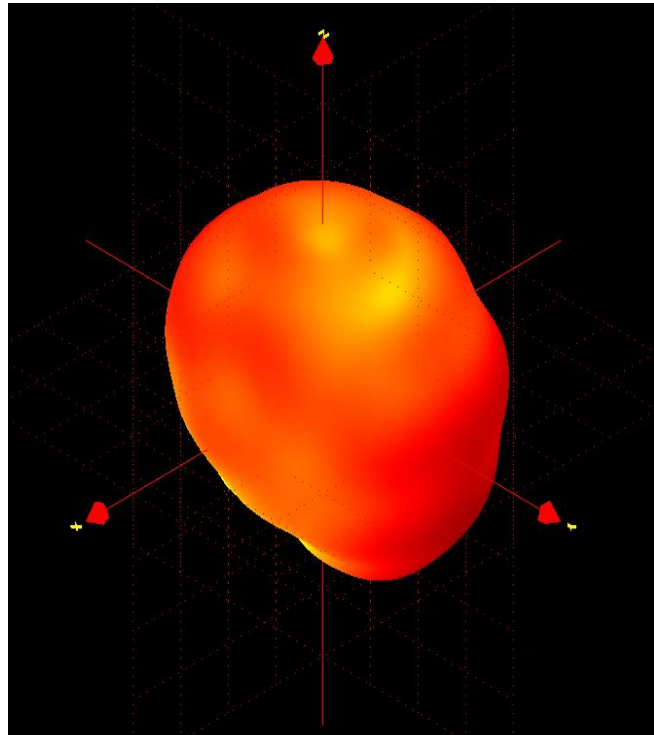
S11&Smith



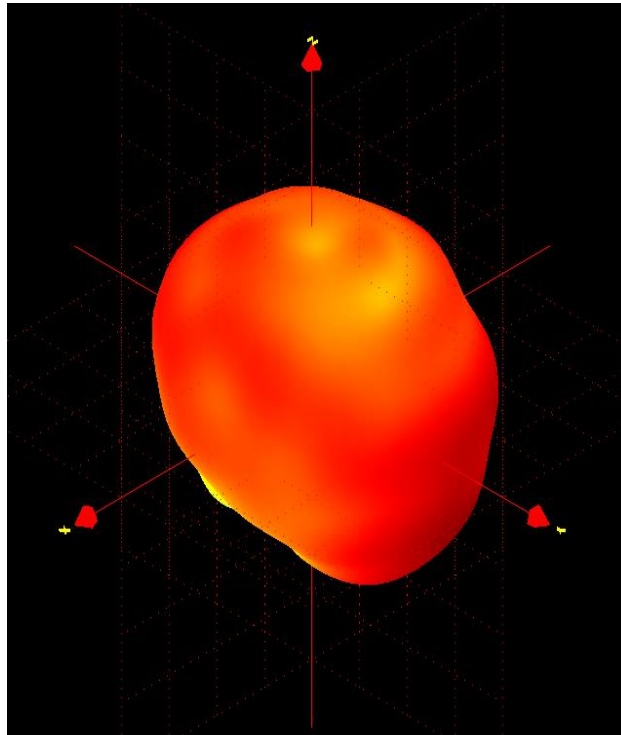
2D direction map



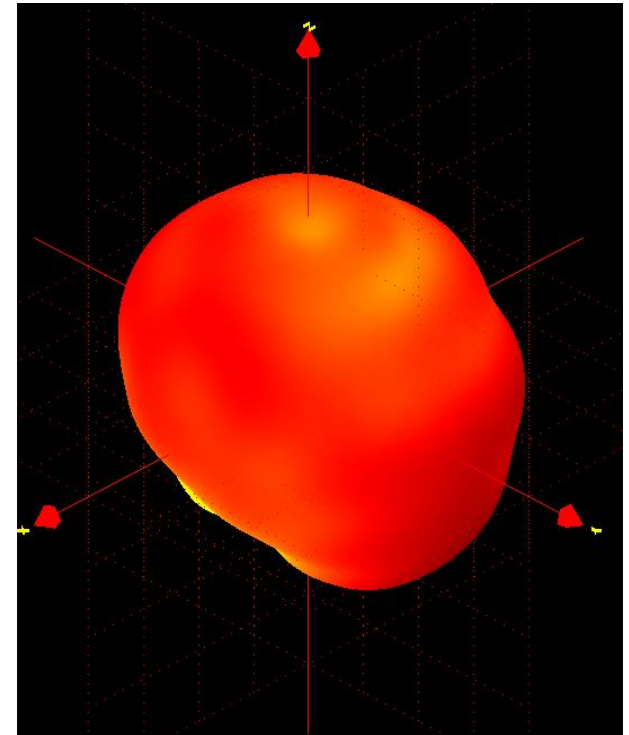
3D Apple image



2400MHz



2450MHz



2500MHz

Antenna efficiency and maximum gain

Frequency (MHz)	Effi (%)	Effi (dB)	Peak Gain
2400	42%	-3.8	1.0
2410	42%	-3.8	0.9
2420	44%	-3.5	1.0
2430	44%	-3.6	1.3
2440	45%	-3.5	1.3
2450	46%	-3.4	1.3
2460	43%	-3.7	1.5
2470	45%	-3.4	1.6
2480	42%	-3.8	1.8
2490	43%	-3.7	1.8
2500	42%	-3.8	1.9
Average	43%	-3.6	1.4

Thanks 