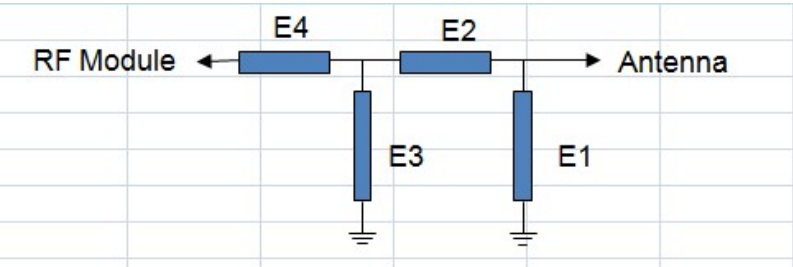


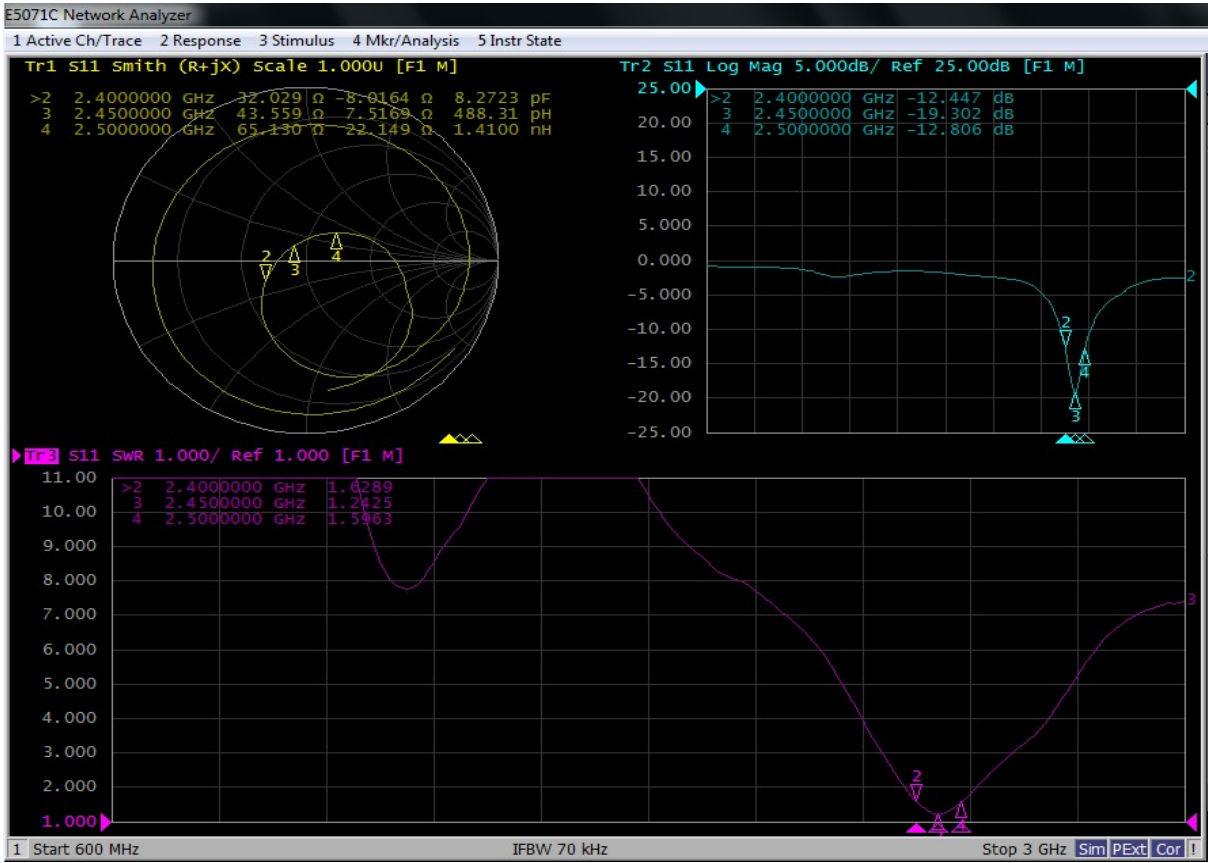
	Antenna Test Report				
Project Name	ER312UWB	Test by	周晓灵	Date	2026/6/13
Project Stage					
Instruments	5071C/CMW500	测试暗室	ETS		
备注					

1.匹配电路



匹配电路	
Element	MAIN
E1	N/A
E2	12pF
E3	1pF
E4	0.8nH

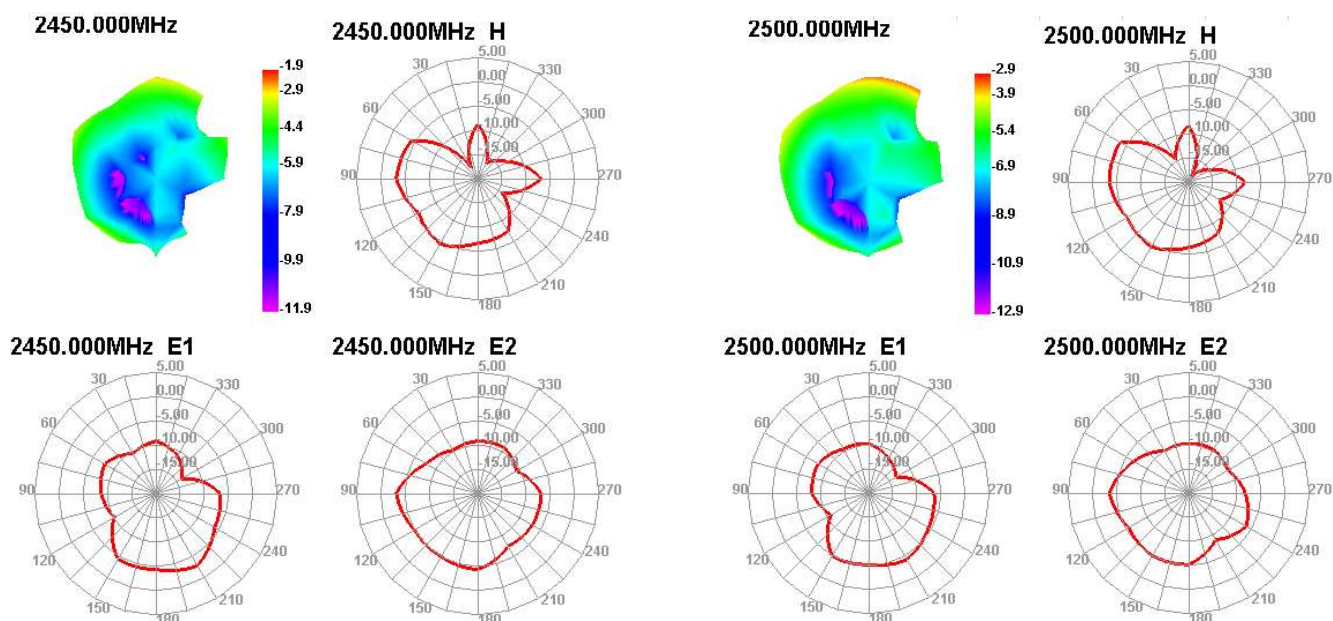
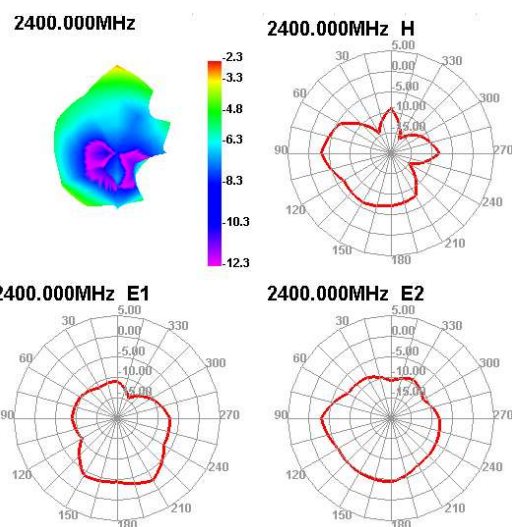
2.S11 驻波比 /回波损耗/阻抗测试结果



3.天线实际测试数据

3.1)无源效率/增益/方向图

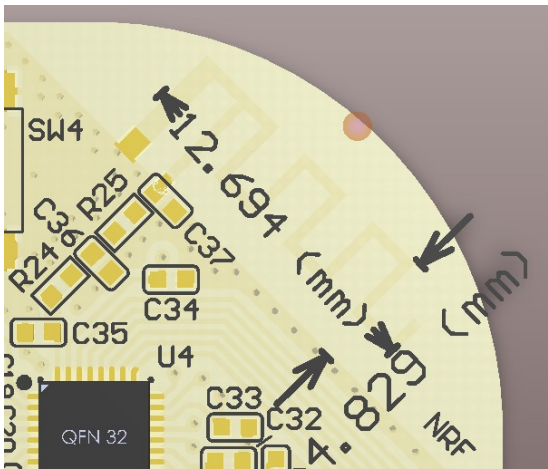
Freq (MHz)	Effi (%)	Gain (dBi)
2400	17.15	-2.35
2410	17.26	-2.36
2420	17.61	-2.37
2430	18.43	-2.08
2440	19.18	-1.78
2450	19.12	-1.88
2460	18.06	-2.22
2470	18.02	-2.34
2480	19.03	-2.43
2490	19.15	-2.51
2500	18.38	-2.86



3.2)有源数据测试报告

Test Result	Bluetooth TRP		
	0	19	39
Frequency (MHz)	2402	2440	2478
TRP (dBm)	-0.37	-0.66	-1.22
Test Result	Bluetooth TIS		
	0	19	39
Frequency (MHz)	2402	2440	2478
TIS (dBm)	-84.05	-85.78	-85.12

4. 天线尺寸图



5. 天线制造商及地址

manufacturer (PCB)						
鹤山市润昌电子电器有限公司						
Heshan Runchang Electronic Electric Appliances Co.,Ltd.						
address						
鹤山市鹤城镇工业开发一区						
Industrial Development Zone 1, Hecheng Town, Heshan City, Guangdong Province, China						