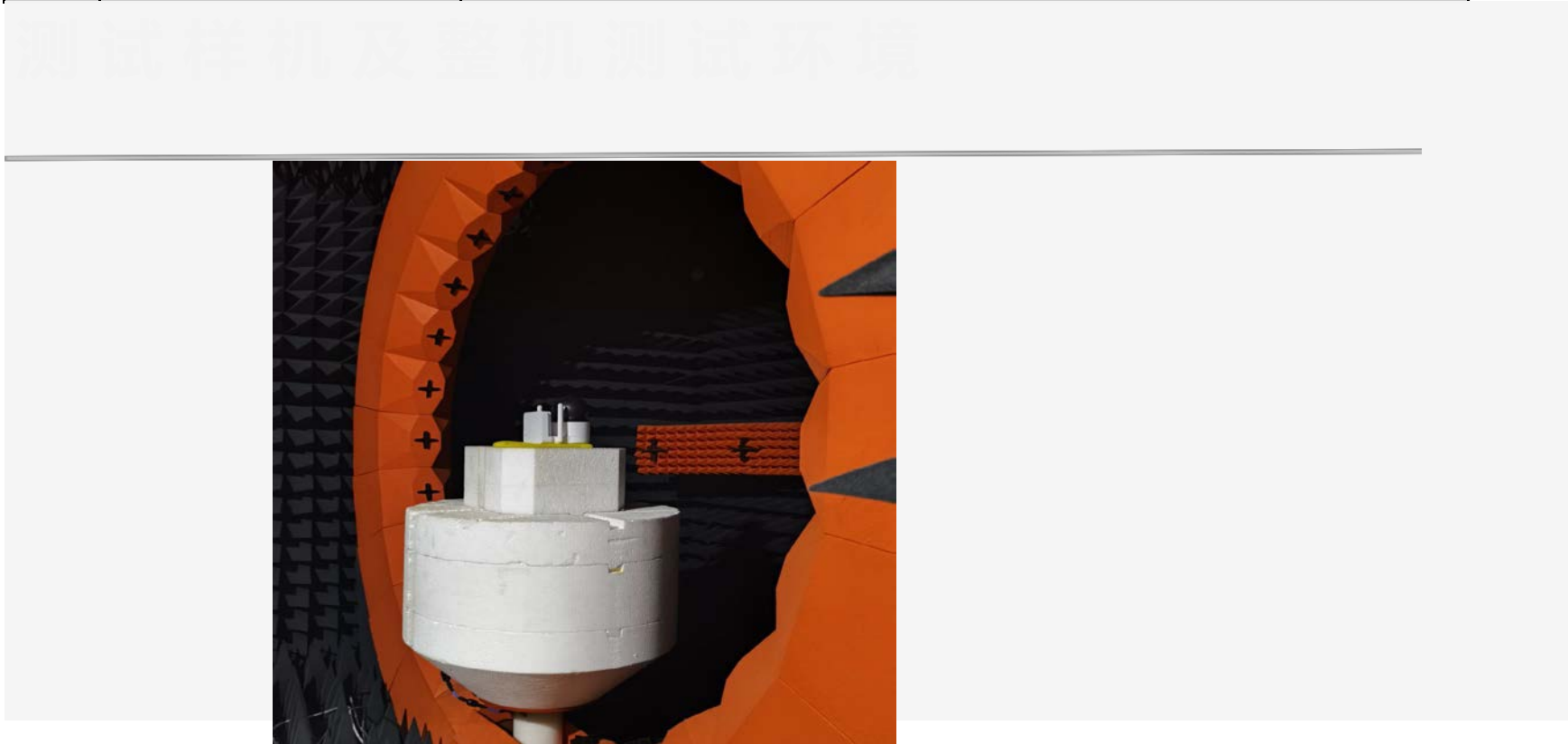


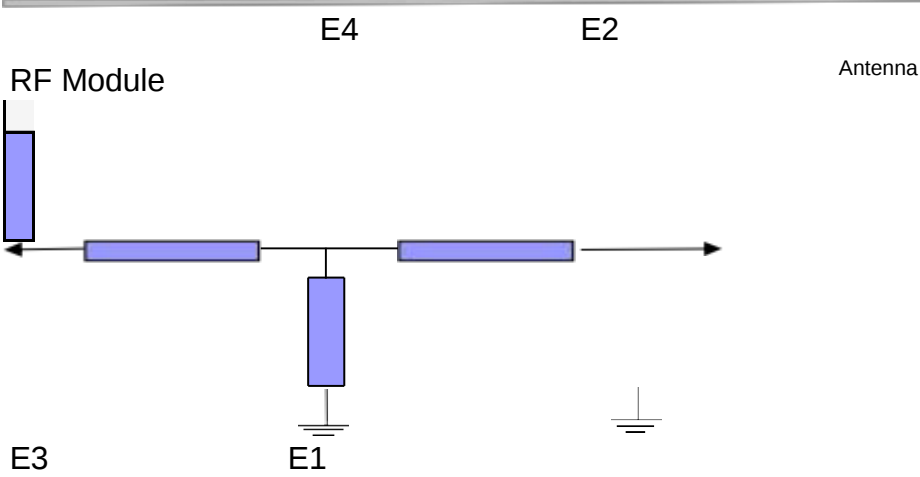
Test Report

Project information

Customer name			Project name	
1	Frequency band	2.4GWIFI		
2	Type	External antenna		
4	Feed point form	Dual feed point		
5	The main reasons and components affecting antenna performance			
6	Antenna type			
7	Note			



Main antenna matching circuit



Main antenna matching circuit	Element	Value	附图说明
	E1(0402)	、	
	E2(0402)	、	

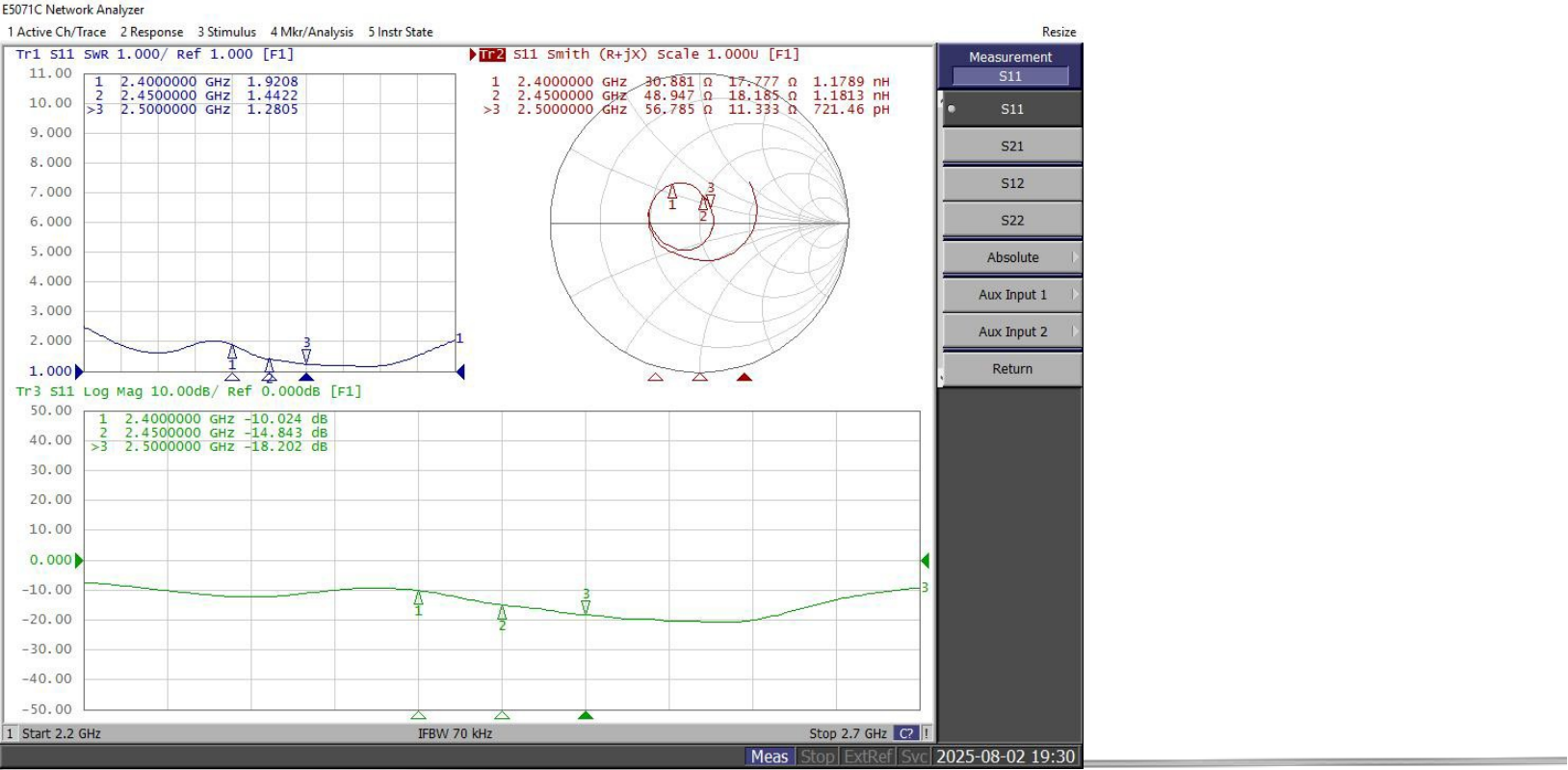
	E3(0402)	\	
	E4(0402)	\	

Laboratory test environment and equipment



Test project	Test equipment
S11、S12 、VSWR 、LOSS	Network analyzer E 5071C、 ZVB8
Efficiency、 Gain 3D Radiation Pattern	SG24darkroom、 E5071C
TRP、 TIS	SG2 4 darkroom、 CMW5 0 0 、 ZVB8

VSWR/LOSS



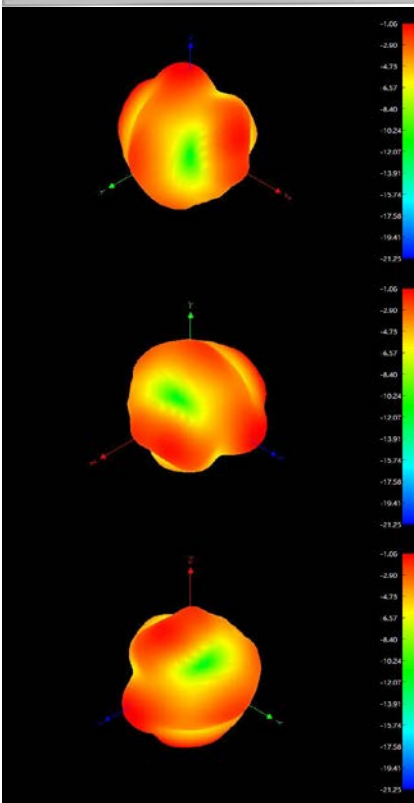
Antenna active test data

Frequency Band	2.4WiFi-B模			G模		
channel	L	M	H	L	M	H
TRP（dB）	17.32	17.31	17.57	14.83	14.64	14.25
TIS（dBm）	-83.13	-83.42	-83.48	-68.11	-68.26	-69.49
Frequency Band	N模					
channel	L	M	H			
TRP（dB）	13.85	13.81	13.74			
TIS（dBm）	-68.95	-67.82	-67.60			

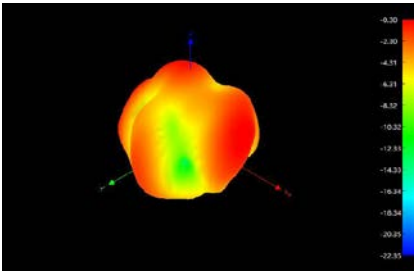
Antenna passive test data

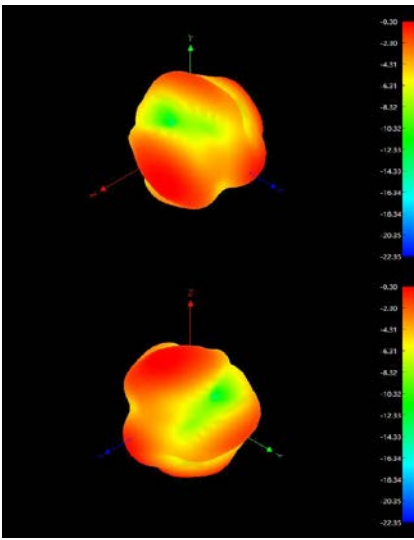
Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	0.15	-5.19	35.27
2410	-0.72	-5.43	33.64
2420	0.07	-4.88	37.51
2430	0.01	-5.02	36.48
2440	0.19	-4.58	39.83
2450	0.15	-4.66	39.2
2460	-0.18	-4.69	38.96
2470	0.66	-4.16	43.37
2480	-0.11	-4.7	38.88
2490	1.35	-4.34	41.81
2500	0.71	-4.34	41.81

Antenna 3D image

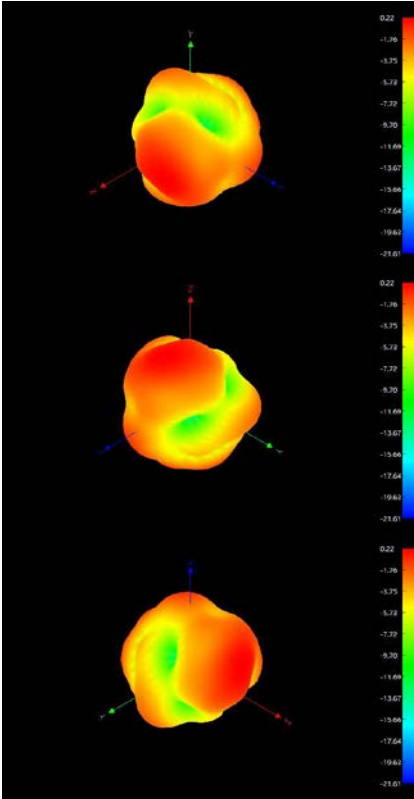


2400MHZ





2450MHZ



2500MHZ

THE END