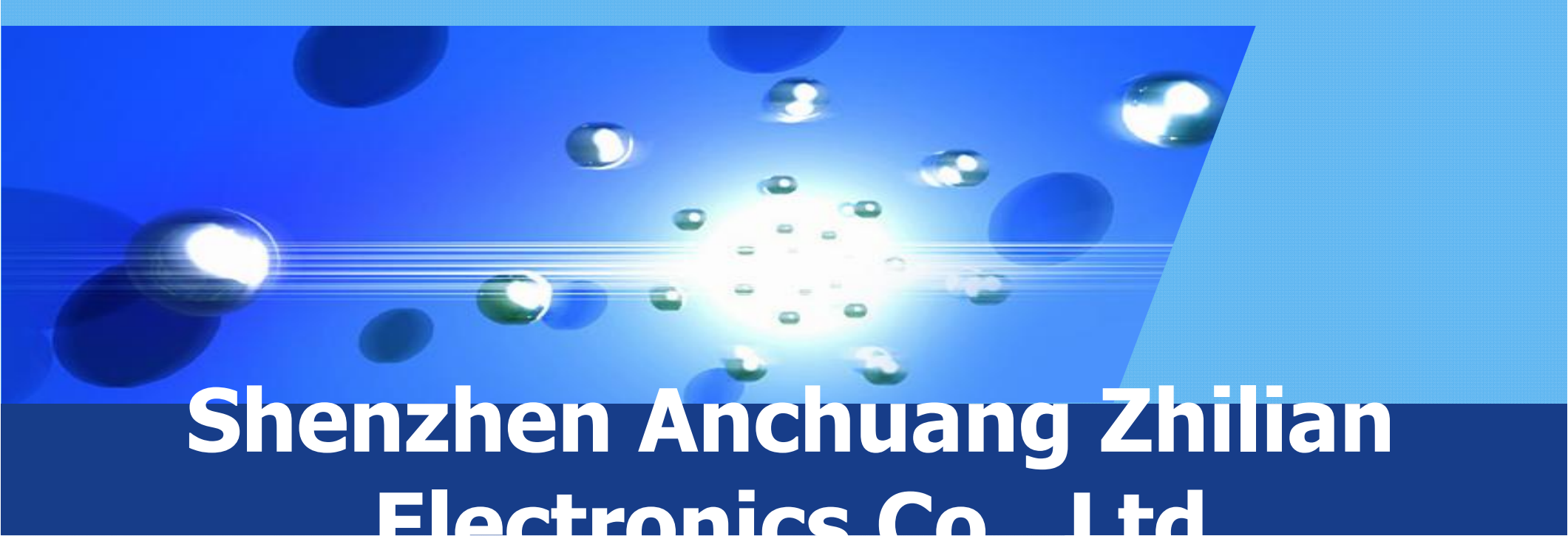




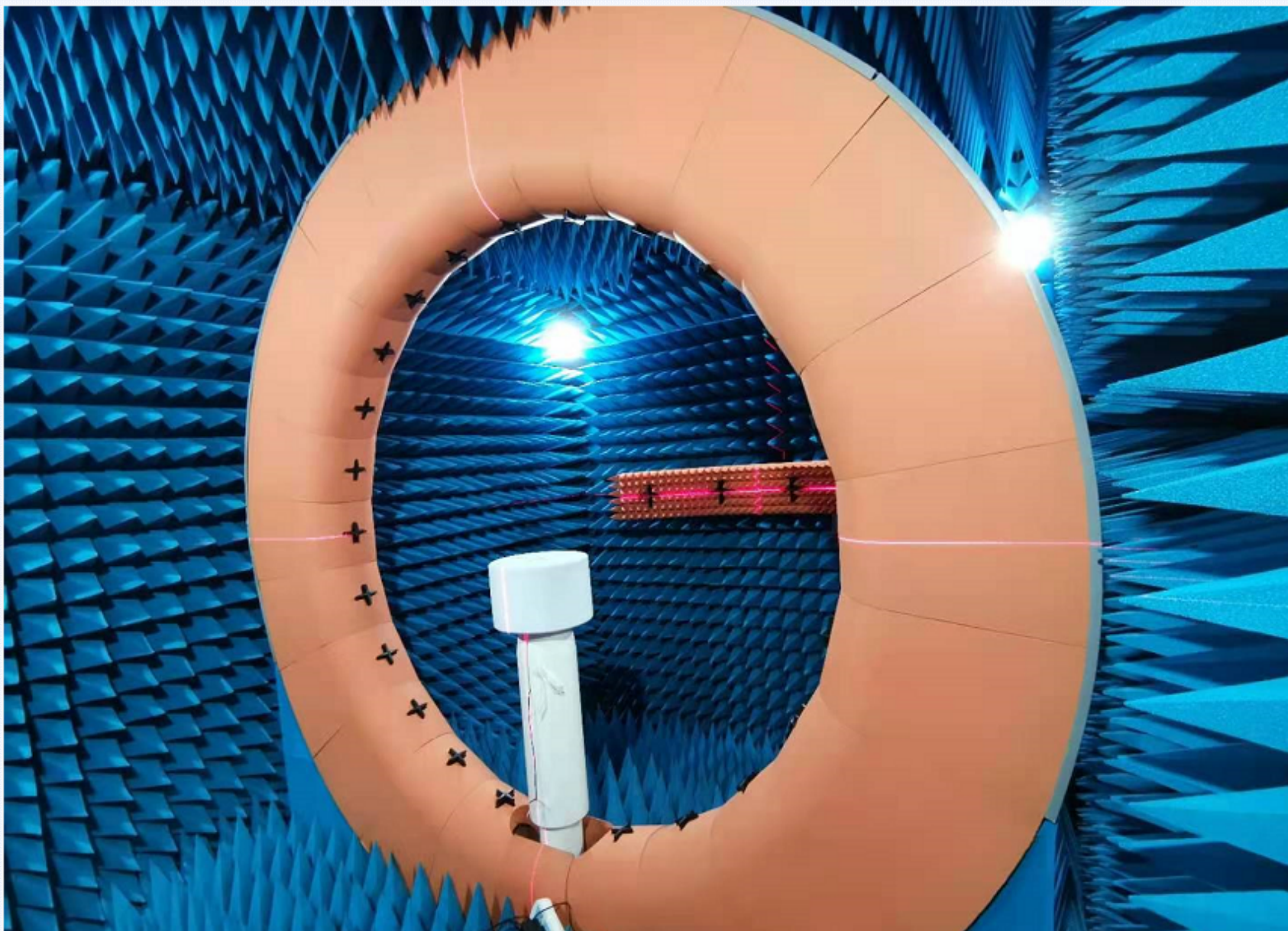
Shenzhen Anchuang Zhilian Electronics Co., Ltd

Antenna debugging report

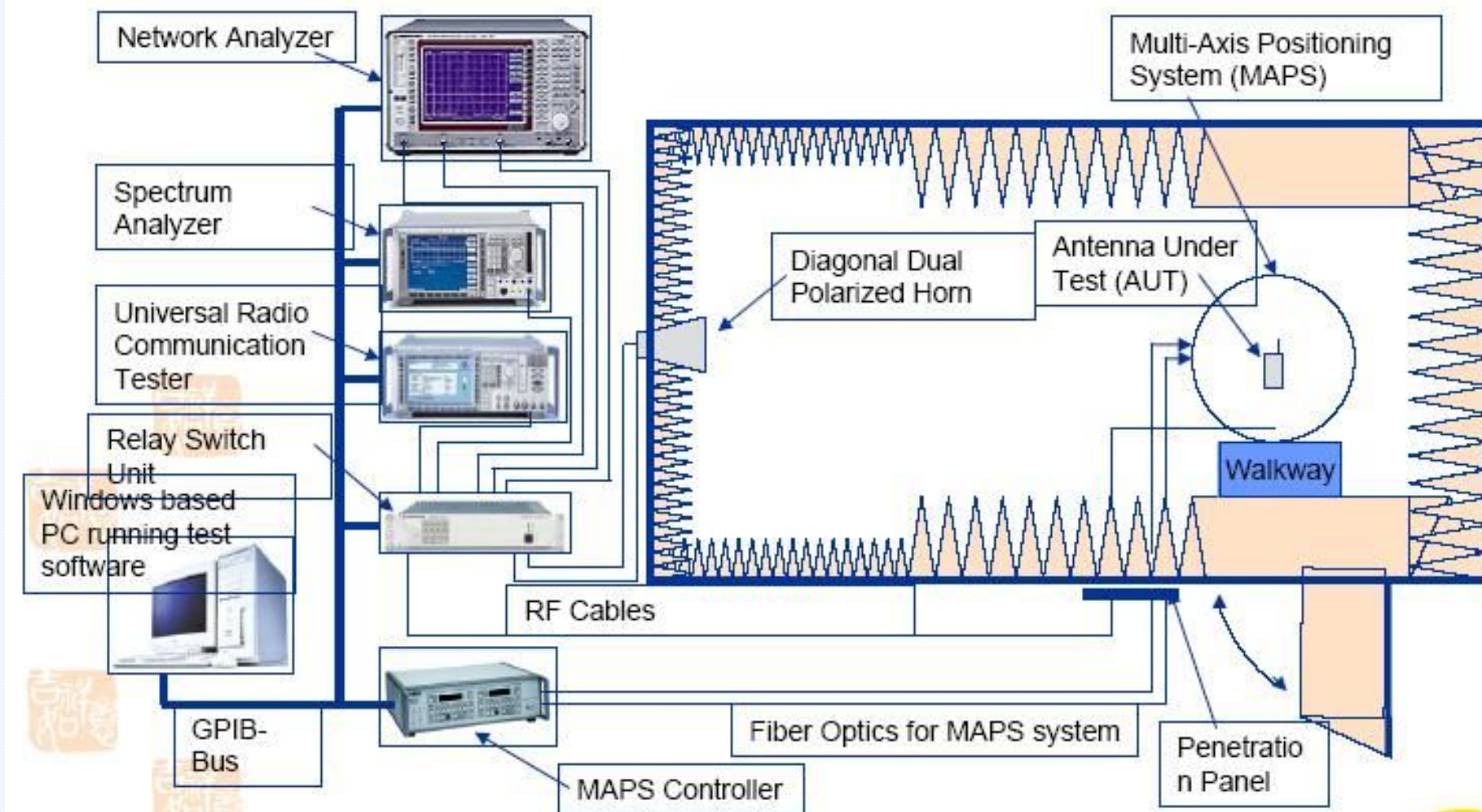
project information

custom:	Jarvis	Project - Motherboa rd	F4pro	date	2024. 7. 31
Frequency band	2400-2500 5745-5825				
Antenna Structure	FPC+black 0.81 second-generation terminal 90MM black bottom				
RF Engineeri ng	Yi Longhui				
Structura l engineeri ng	Liu Gong				
Report version	V1.0				

SATIMOdarkroom



test system

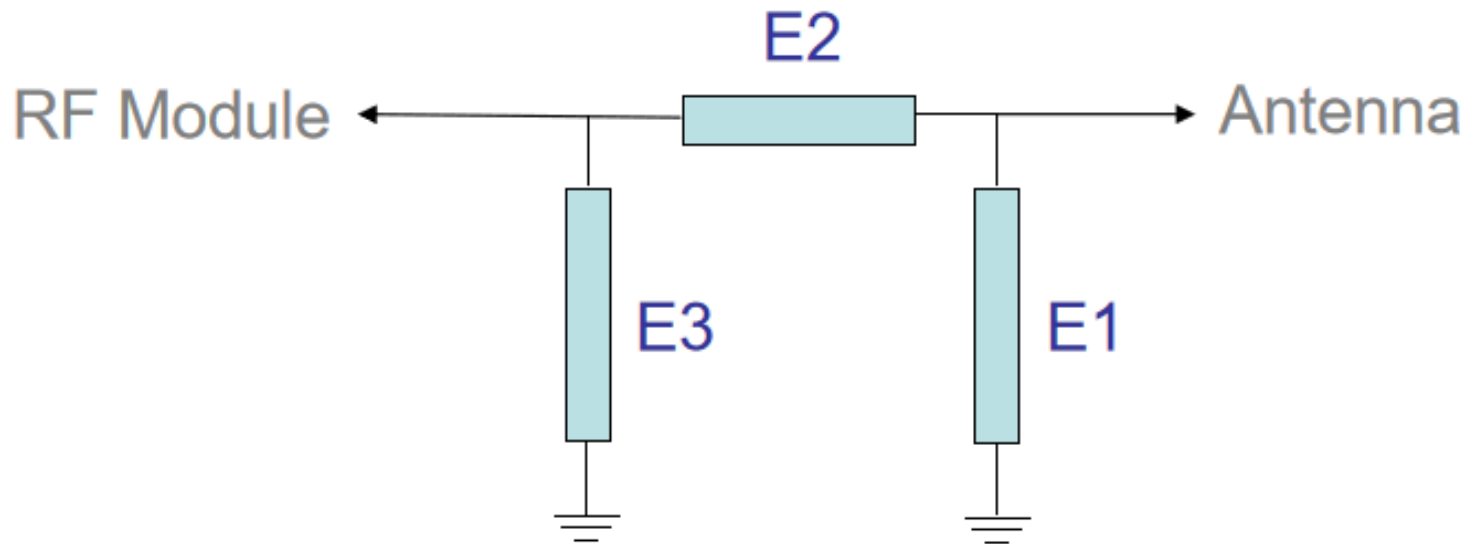


testing environment	
testing environment	XH-IOE MPS2440 Test System
ambient temperature	23°C
ambient humidity	52%
Ambient air pressure	101KPa

- 1、 product drawing
- 2、 matching circuit
- 3、 test data



matching circuit



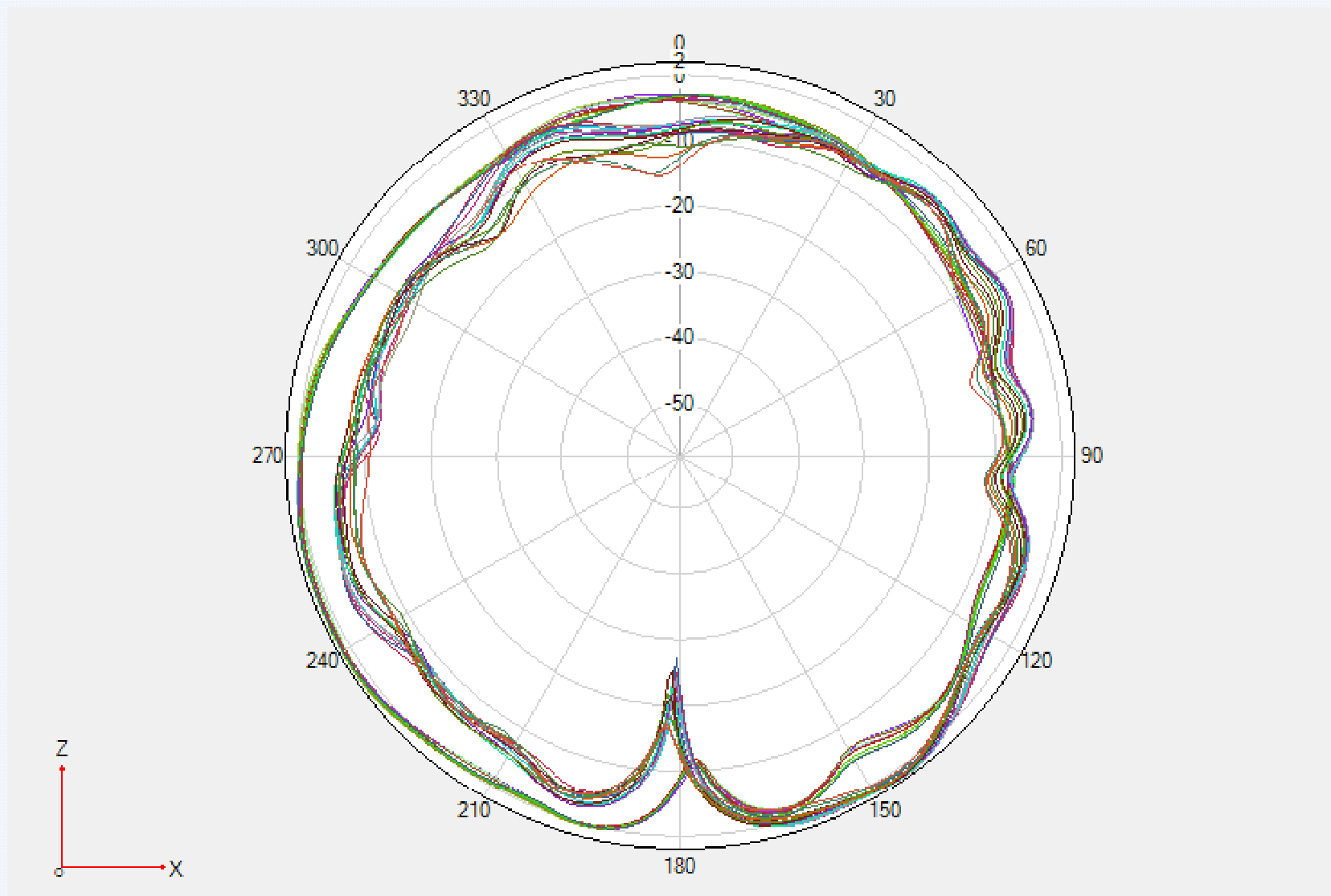
Element	Value
E1(0402)	
E2(0402)	
E3(0402)	
No changes made to the original match	

Passive test data

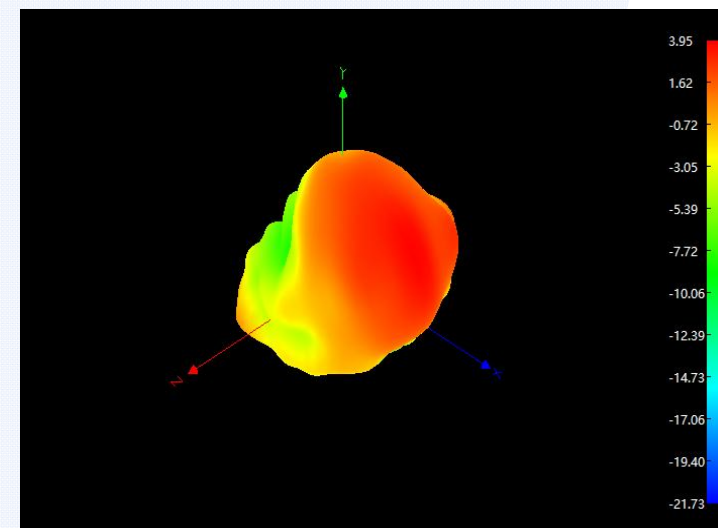
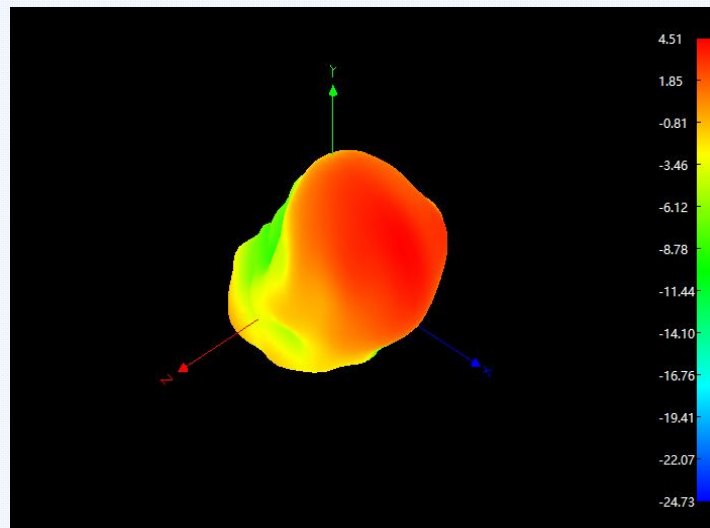
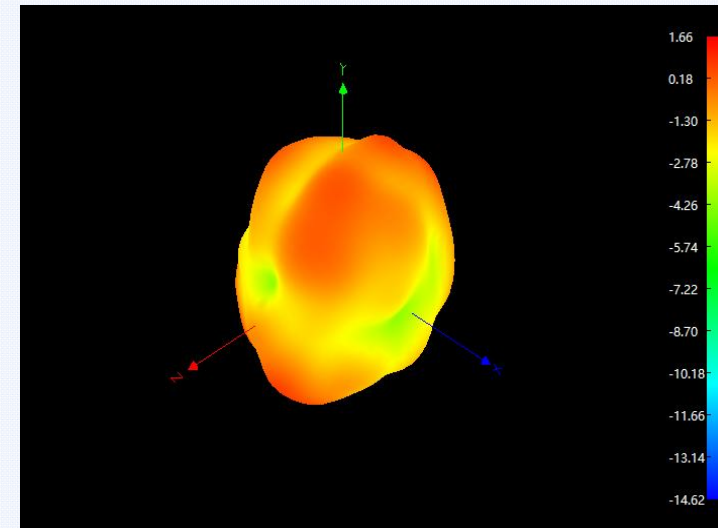
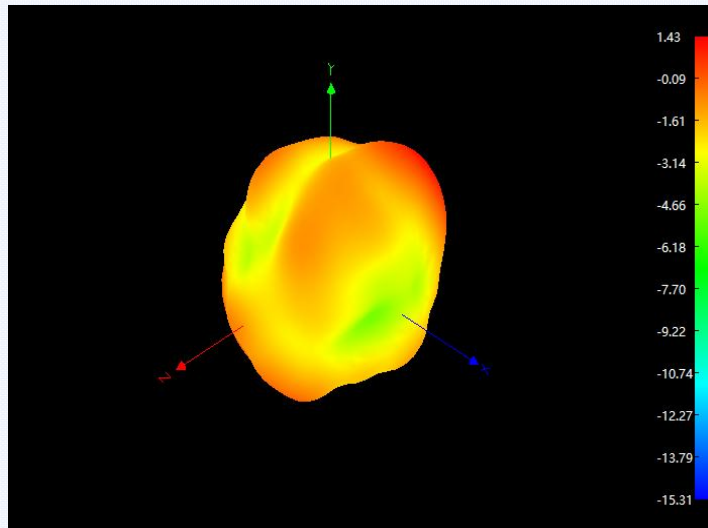
Frequency	Efficiency	Efficiency	Gain/ dBi
2400	-2.96	50.58	1.43
2410	-3.21	47.75	1.16
2420	-3.12	48.75	1.16
2430	-2.87	51.64	1.74
2440	-2.86	51.76	1.71
2450	-3.03	49.77	1.47
2460	-2.89	51.4	1.66
2470	-2.81	52.36	1.75
2480	-2.88	51.52	1.77
2490	-2.95	50.7	1.67
2500	-2.9	51.29	1.66

Frequency	Efficiency	Efficiency	Gain/ dBi
5745	-2.61	54.83	4.51
5750	-2.57	55.34	4.53
5755	-2.51	56.1	4.65
5760	-2.56	55.46	4.57
5765	-2.71	53.58	4.29
5770	-2.82	52.24	4.14
5775	-2.69	53.83	4.33
5780	-2.64	54.45	4.39
5785	-2.84	52	4.13
5790	-2.95	50.7	3.98
5795	-2.87	51.64	4.12
5800	-2.86	51.76	4.17
5805	-2.89	51.4	4.07
5810	-2.89	51.4	3.96
5815	-2.87	51.64	4.04
5820	-2.83	52.12	4.12
5825	-2.93	50.93	3.95

2D drawing



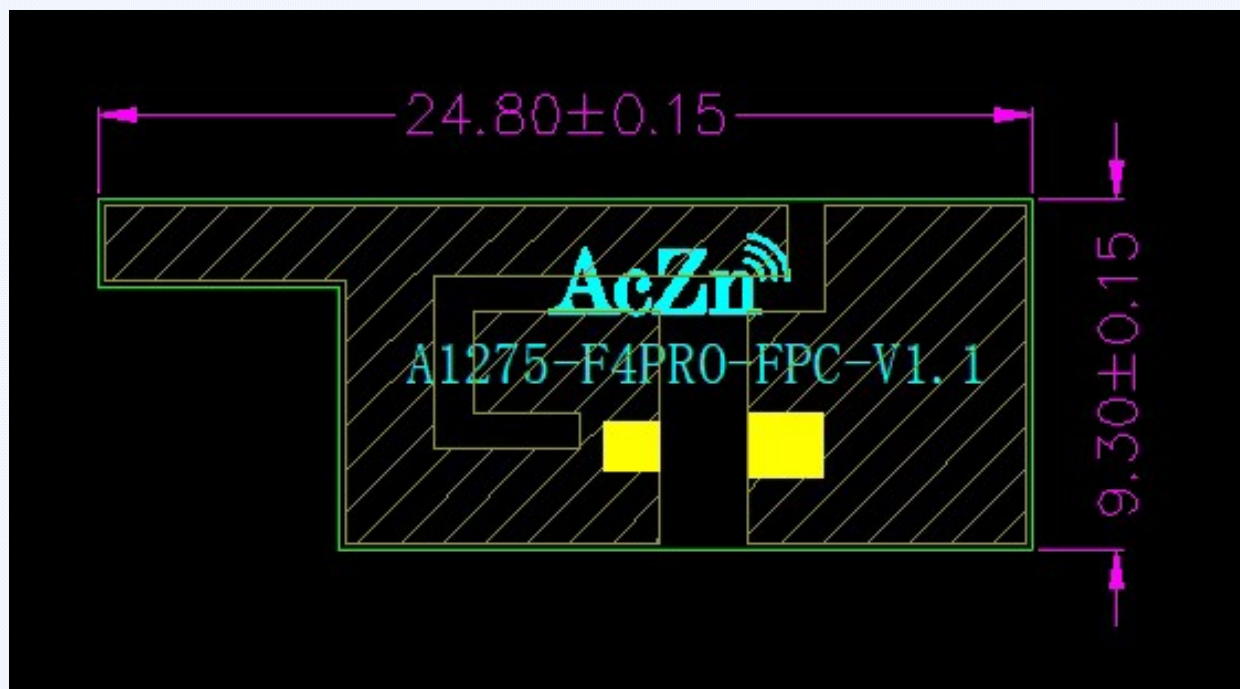
Direction map



Assembly drawing



Antenna diagram



机构

Thank You !

