



Shenzhen Anchuang Zhilian Electronics Co., Ltd

Antenna debugging report

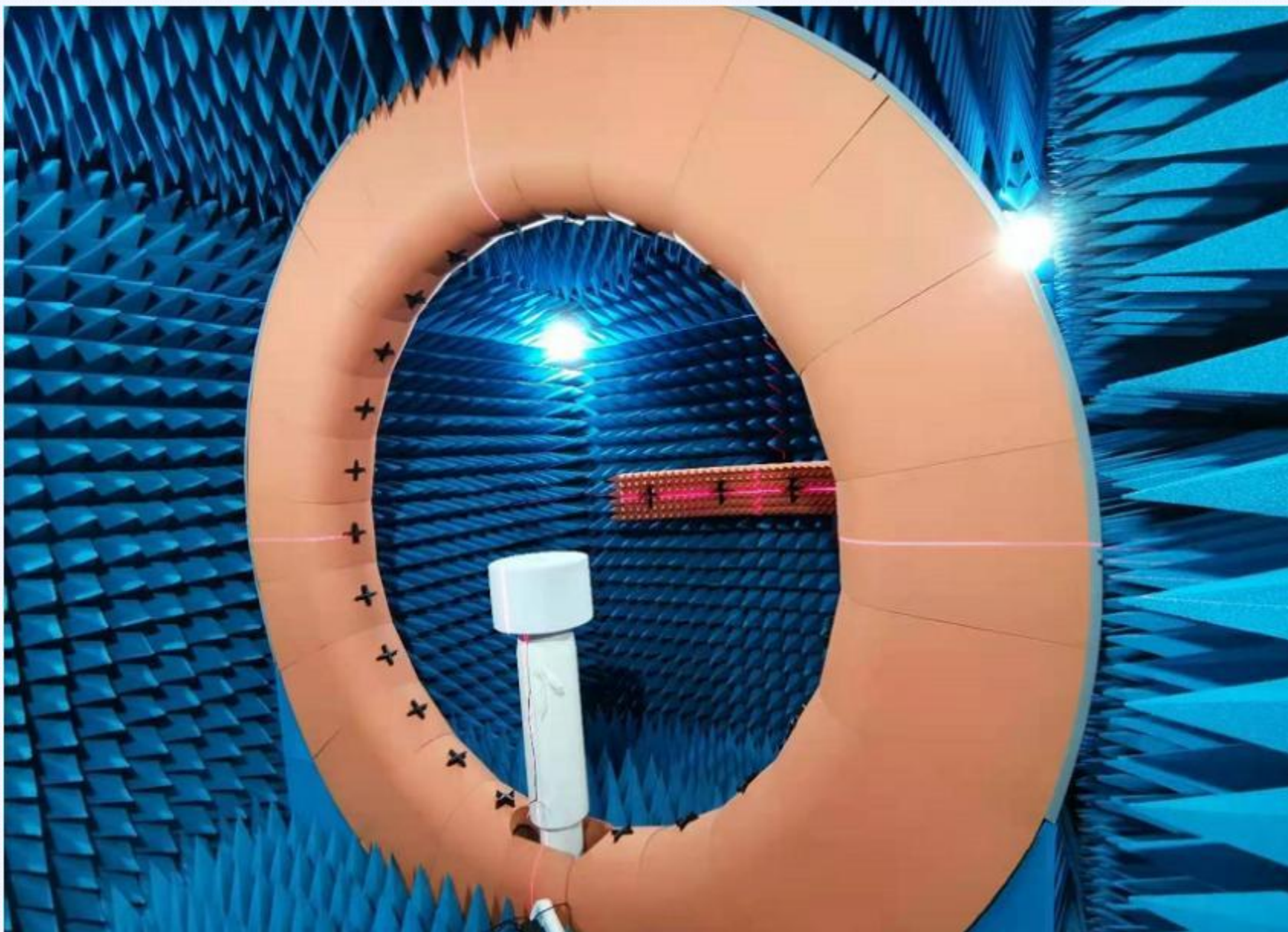
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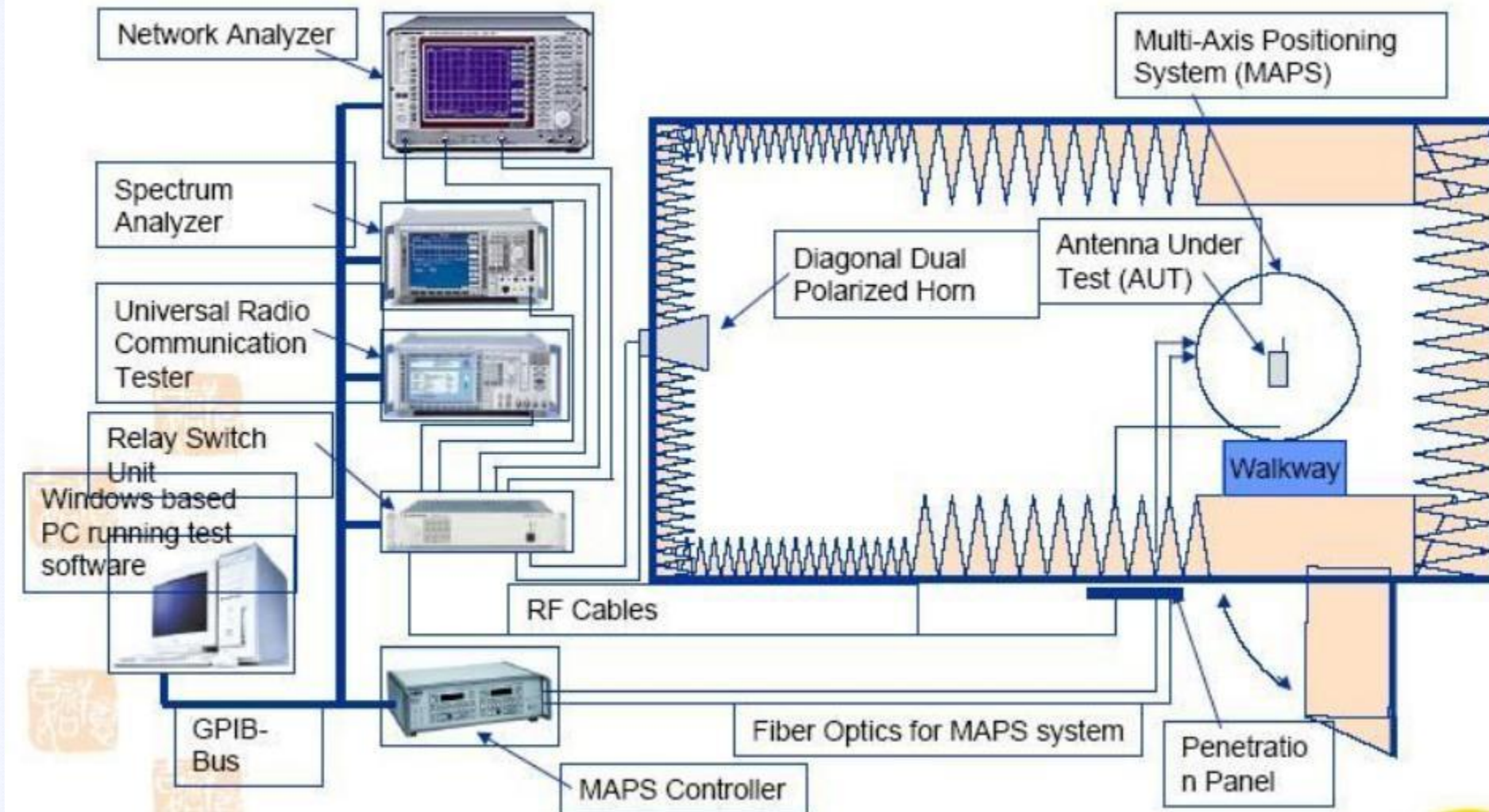
project information

custom:	Jarvis	Project - Motherboard	G840	date	2024. 9. 25
Frequency band	2400-2500 5100-5800				
Antenna Structure	FPC+Black 0.81 Second Generation Terminal 120MM Black Bottom				
RF Engineeri ng	Yi Longhui				
Structura l engineeri ng	Liu Gong				
Report version	V1.0				

SATIMOdarkroom



test system



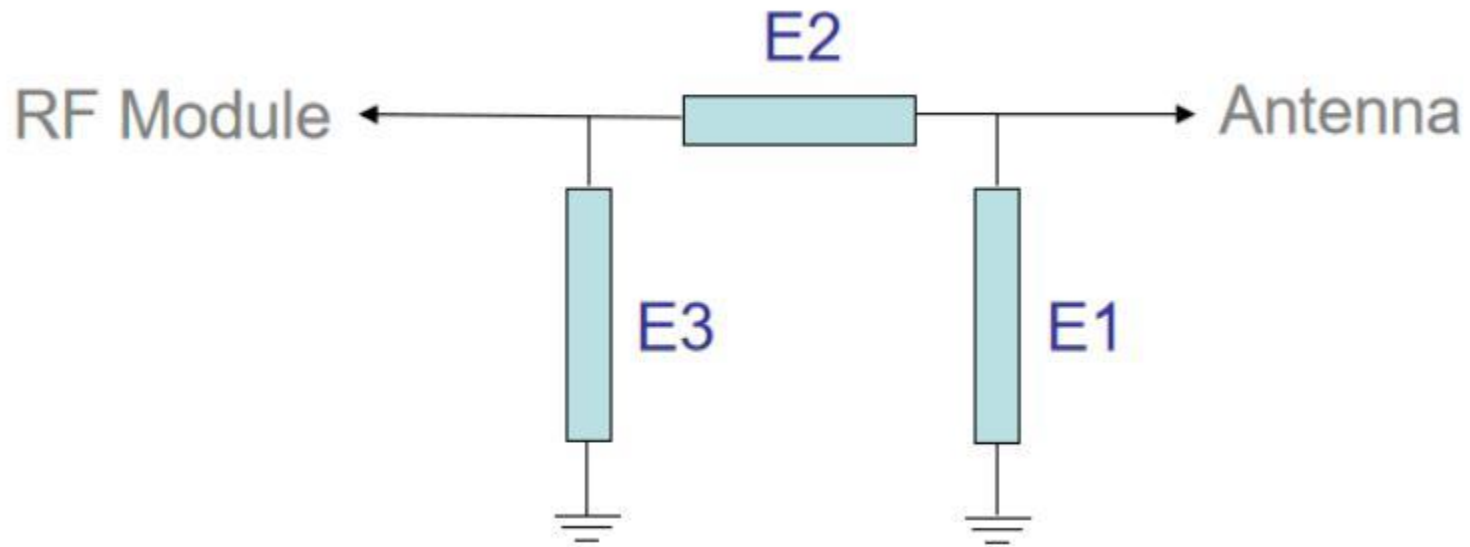
testing environment

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	

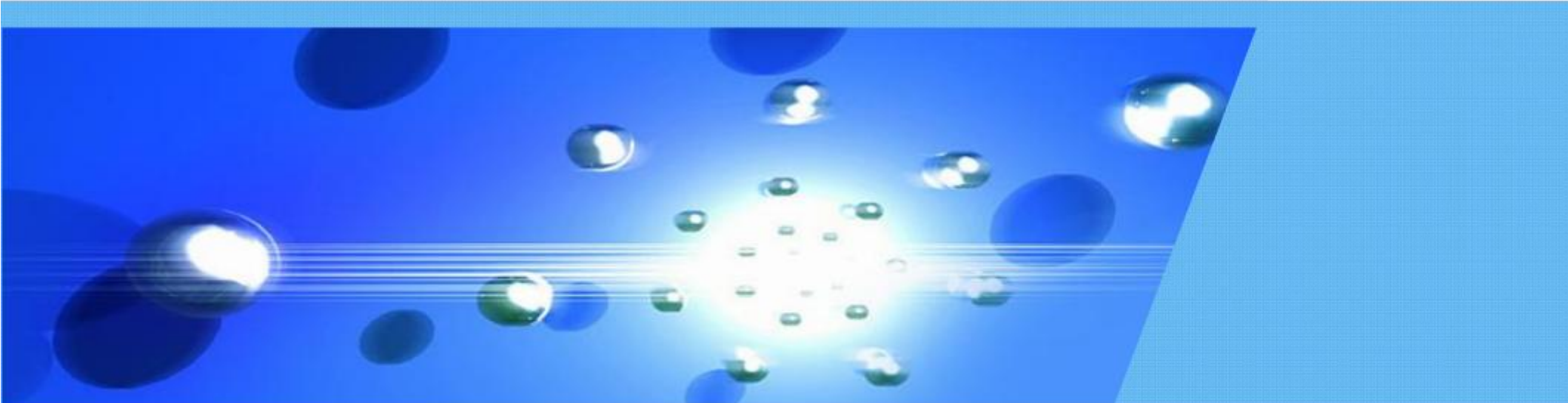
Passive test data

Frequency	Efficiency	Efficiency	Gain/dBi
2400	-6.55	22.56	-2.77
2410	-6.58	22.45	-2.42
2420	-6.38	22.44	-2.56
2430	-6.36	22.41	-2.18
2440	-6.08	22.31	-2.18
2450	-6.74	22.45	-3.31
2460	-6.59	22.35	-3.42
2470	-6.36	22.45	-2.65
2480	-6.13	22.17	-2.49
2490	-6.02	22.14	-1.97
2500	-8.75	22.45	-1.68

5100	-8.07	15.62	0.9
5150	-8.07	12.97	2.13
5200	-8.34	14.66	2.48
5250	-7.86	16.37	2.72
5300	-8.07	15.6	2.48
5350	-8.14	15.35	2.39
5400	-7.71	16.94	2.66
5450	-7.35	18.41	3.17
5500	-7.09	19.54	3.44
5550	-6.88	20.51	3.4
5600	-6.55	22.13	4.06
5650	-6.55	22.13	4.2
5700	-6.56	22.08	4.42
5750	-6.54	22.18	4.72
5800	-6.71	21.33	4.81

Assembly drawing





Thank You !

