



SHENZHEN AN CHUANG ZHI LIAN Electronics Co., Ltd

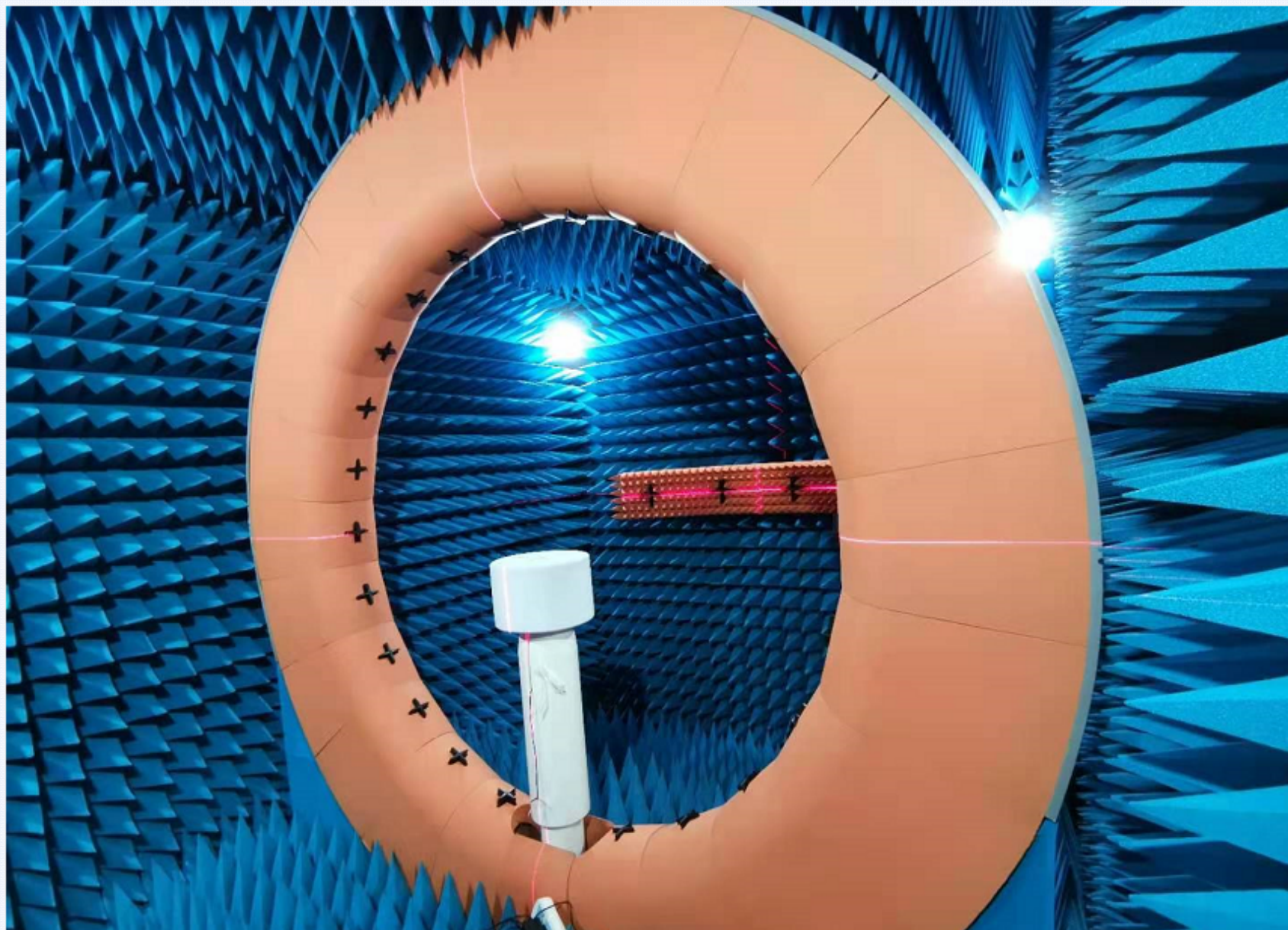
Antenna Debugging Report



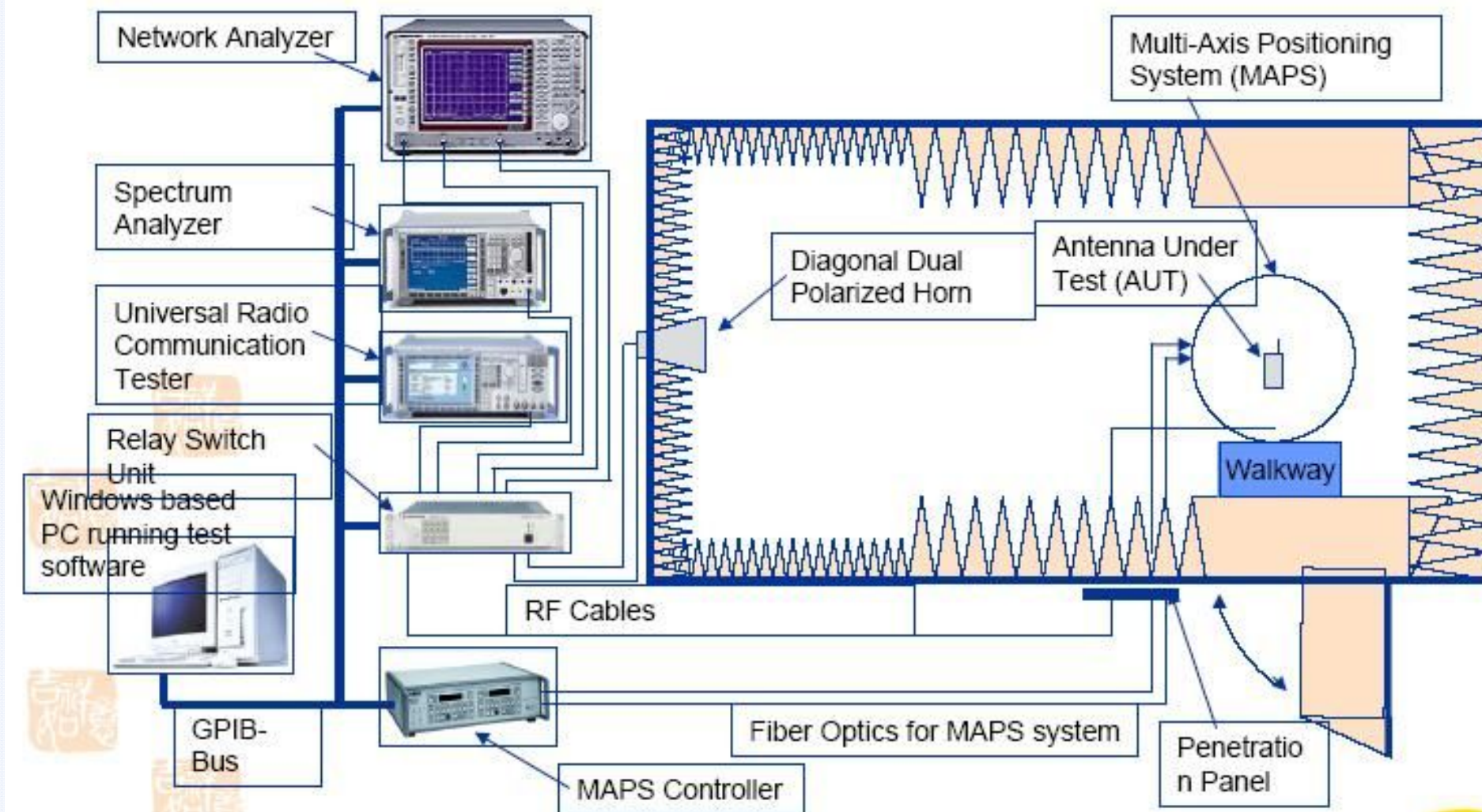
project information

customer:	hainantianzhi	Project - Motherboard	BMC	date	2024. 12. 19
Frequency band	2400-2500				
Antenna Structure	FPC+1.37 Black Line Leakage 145mm+IPEX1				
RF Engineering	longhui yi <i>longhui yi</i>				
Structural engineering	ang hu				
Report version	V1.1				

SATIMO暗室



test system

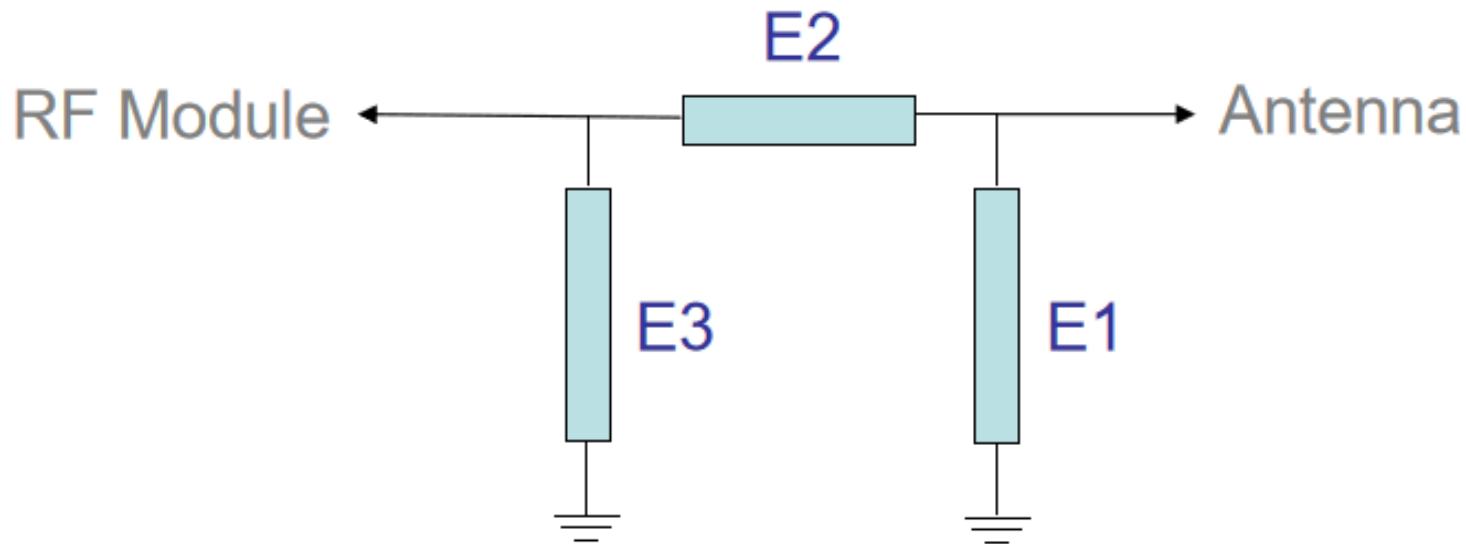


testing environment	XH-IOE MPS2440 Test System
temperature	23°C
humidity	52%
air pressure	101KPa

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



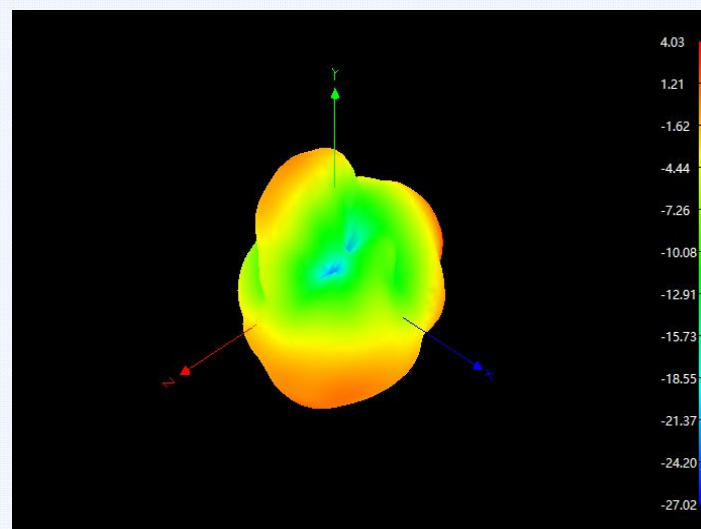
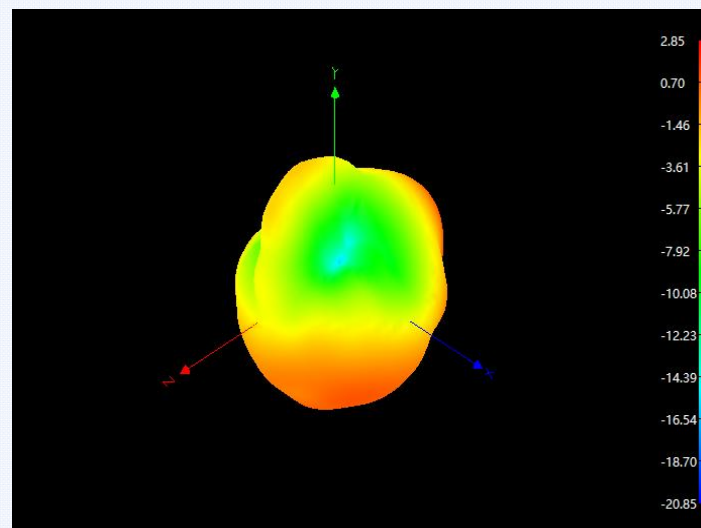
matching circuit



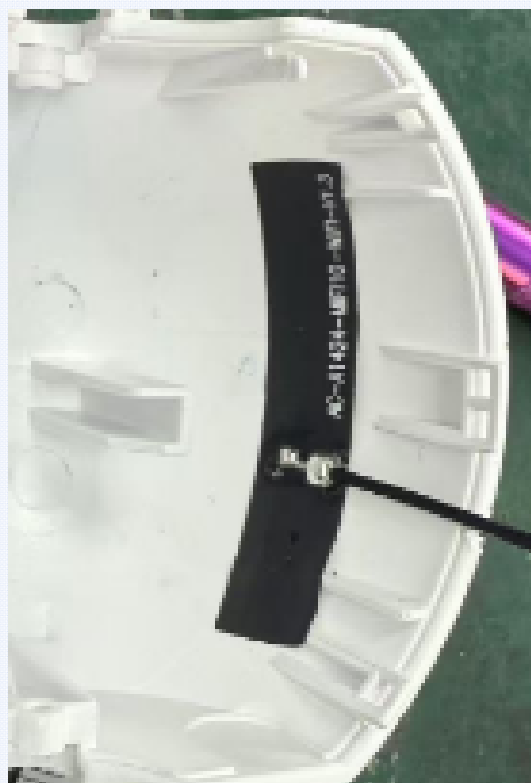
Element	Value
E1(0402)	
E2(0402)	
E3(0402)	
The original match remains unchanged	

WIFI-Passive test data

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	51.64	2.85
2410	50.93	2.93
2420	52.84	3.03
2430	54.33	3.48
2440	55.59	3.51
2450	54.83	3.59
2460	56.49	3.67
2470	56.75	3.9
2480	56.62	3.88
2490	56.36	4.05
2500	57.41	4.03



WIFI-Assembly drawing



Thank You !

