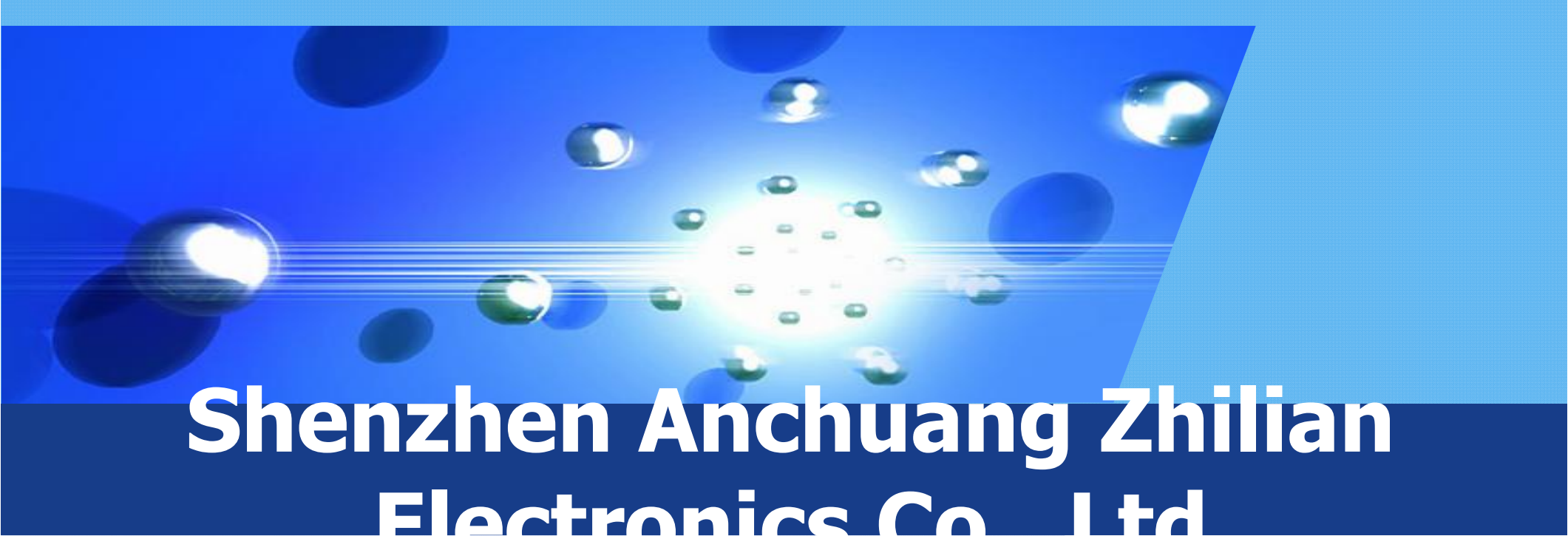




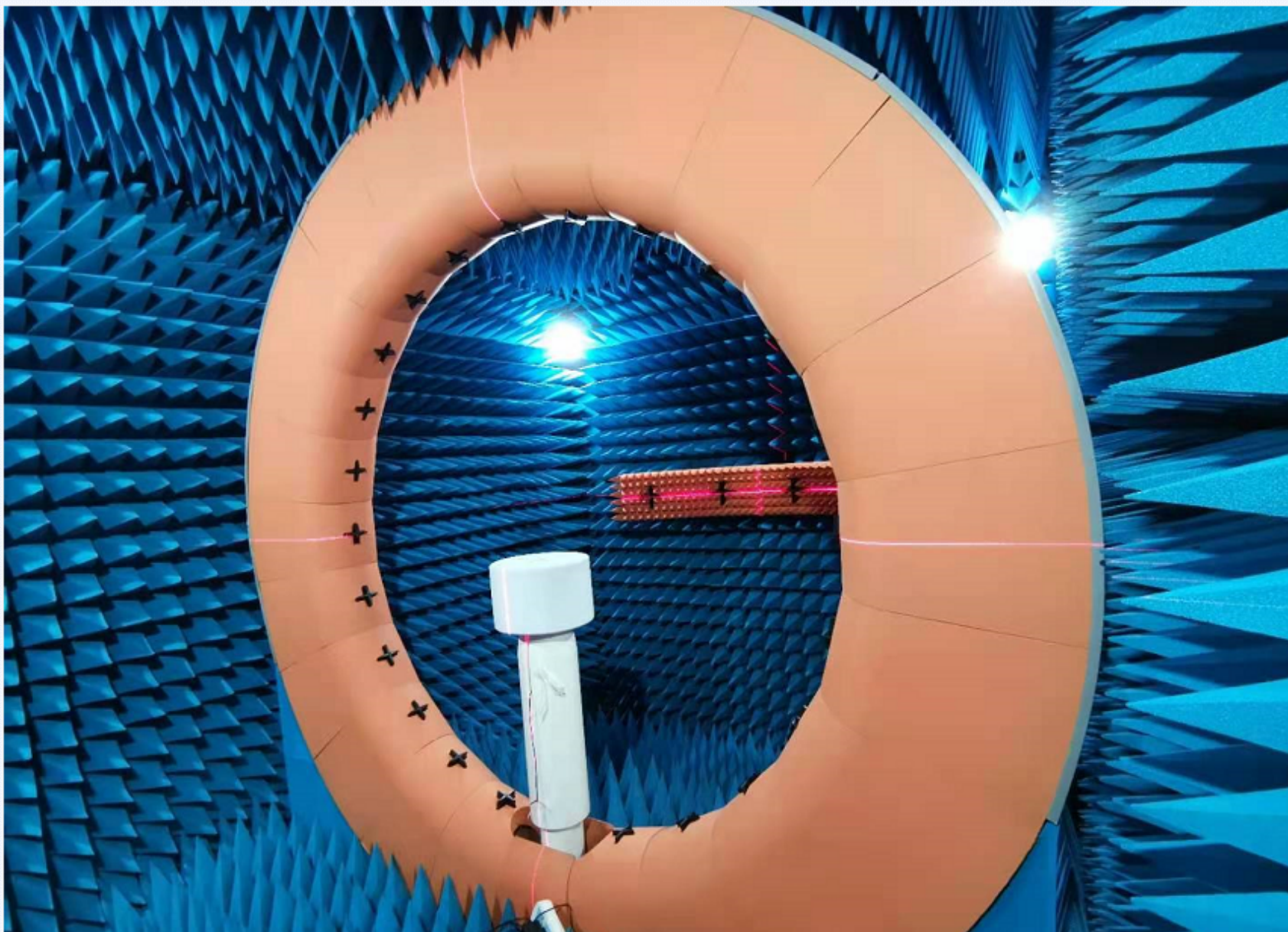
Shenzhen Anchuang Zhilian Electronics Co., Ltd

Antenna debugging report

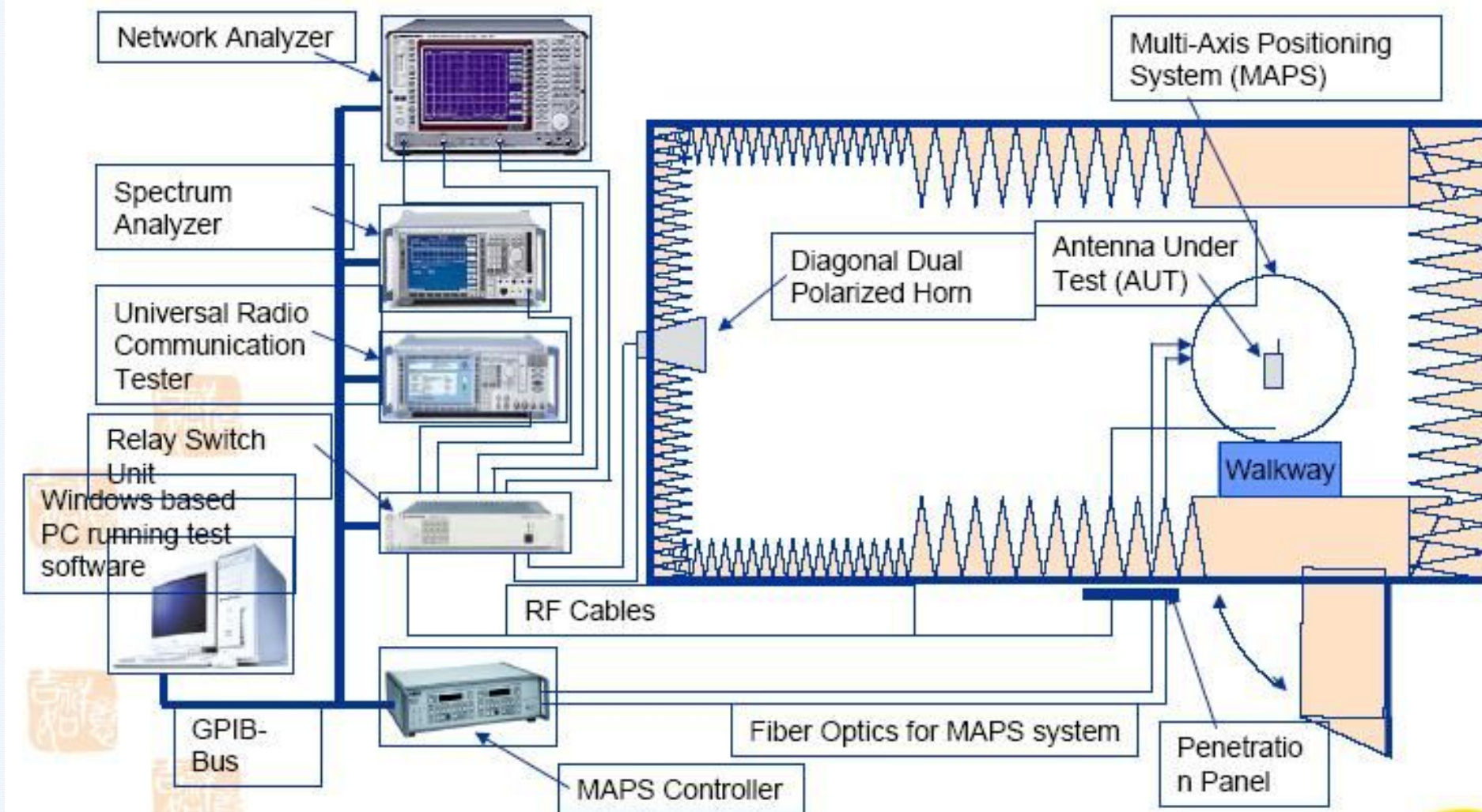
project information

custom:	Jarvis	Project - Motherboa rd	G850-V02	date	2024. 8. 22
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

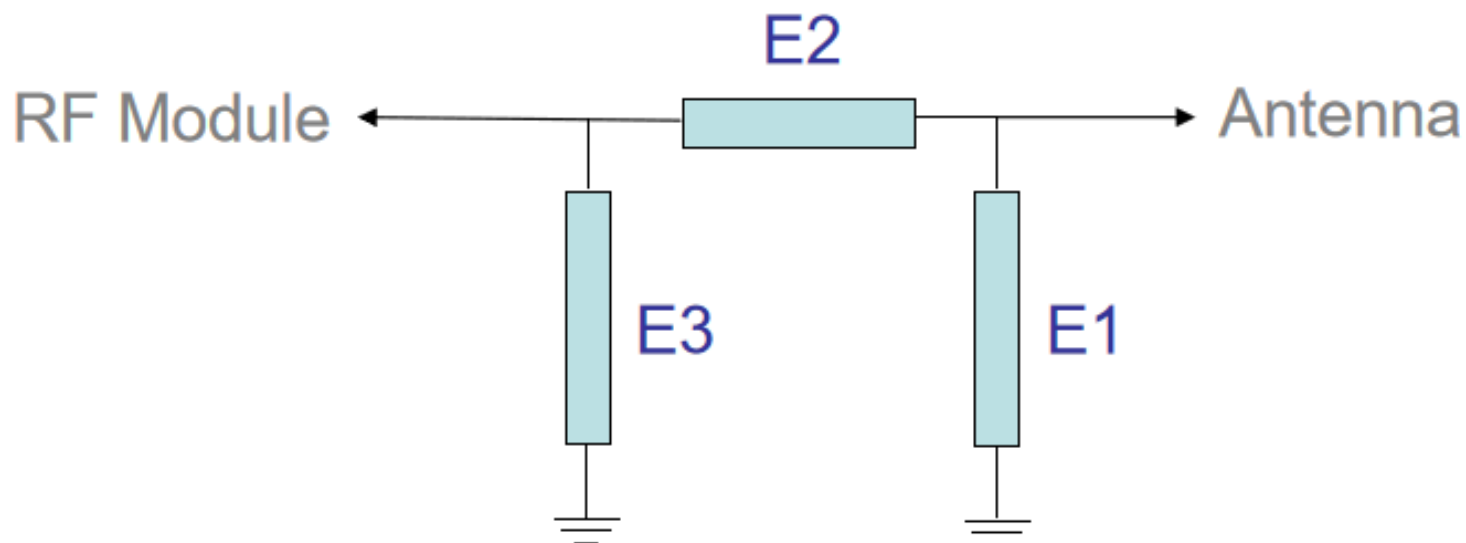


testing environment	
testing environment	XH-IOE MPS2440 Test System
ambient temperature	23°C
ambient humidity	52%
Ambient air pressure	101KPa

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



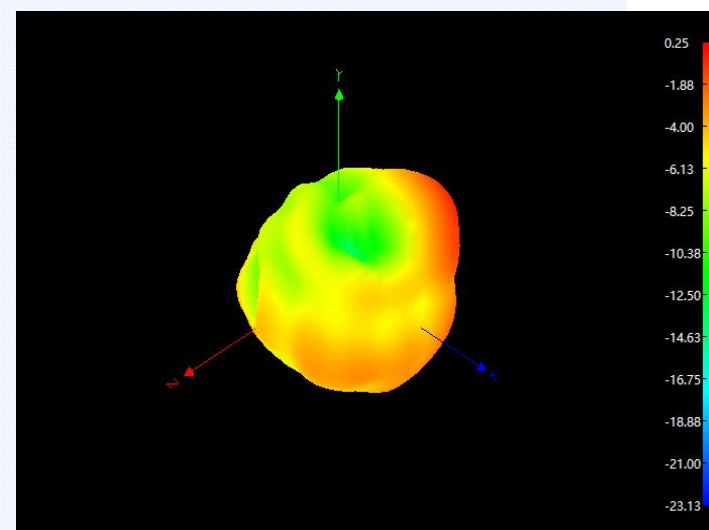
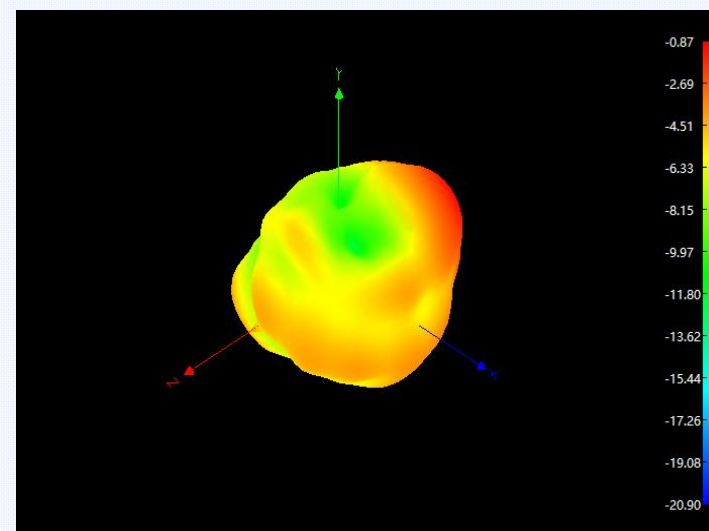
matching circuit



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

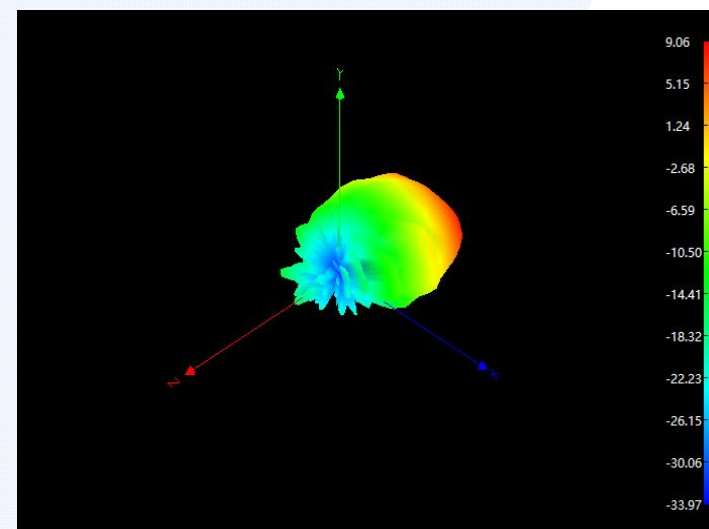
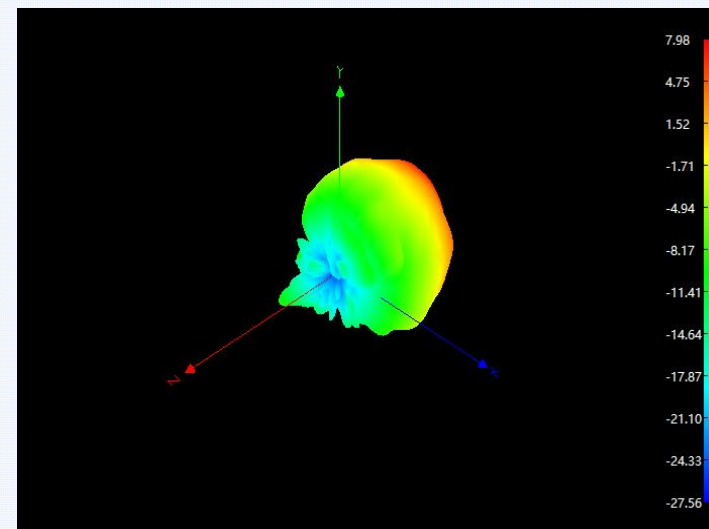
2.4G Passive test data

Frequency	Efficiency	Efficiency	Gain/ dBi
2400	-6.78	20.99	-0.87
2410	-6.86	20.61	-0.73
2420	-6.62	21.78	-0.62
2430	-6.34	23.23	-0.29
2440	-6.22	23.88	-0.26
2450	-6.2	23.99	-0.05
2460	-5.94	25.47	0.27
2470	-6.11	24.49	0.32
2480	-6.09	24.6	0.26
2490	-6.01	25.06	0.48
2500	-5.97	25.29	0.25

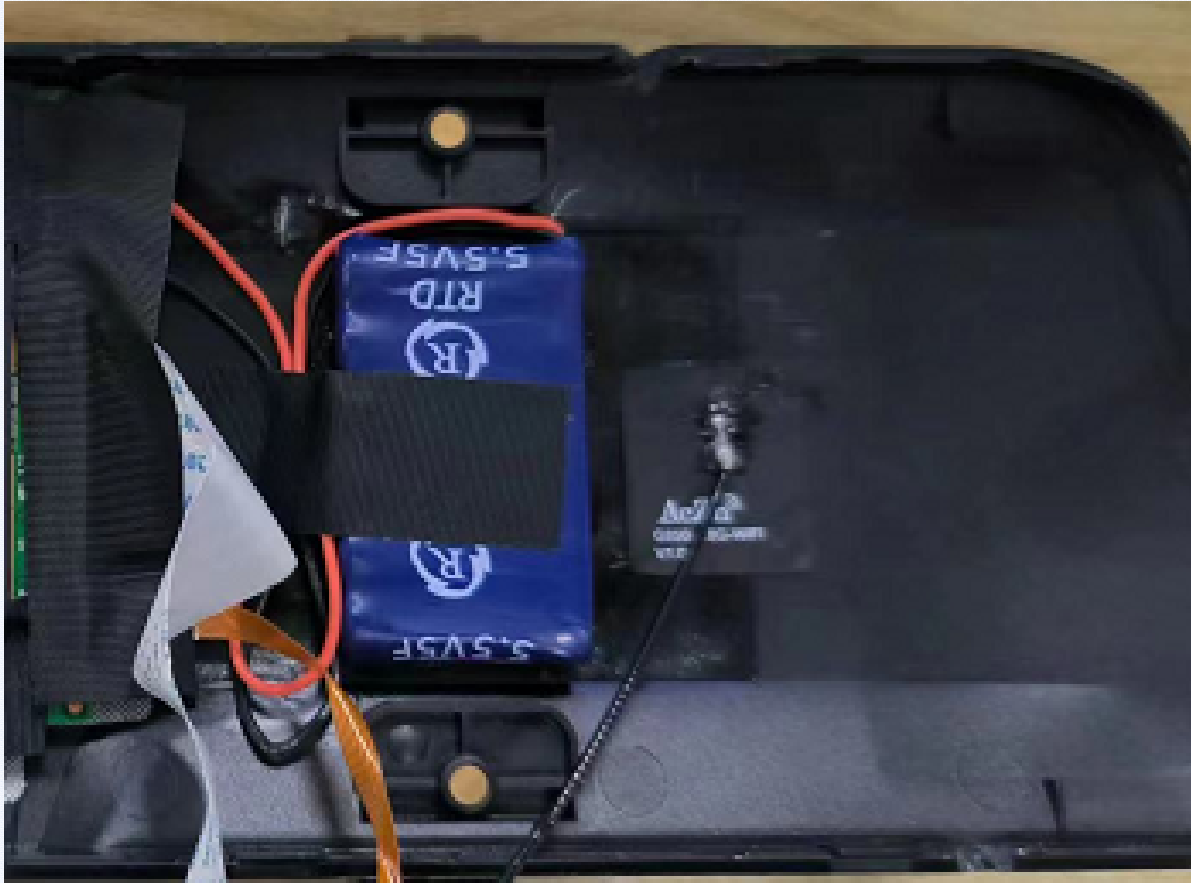


5.8G Passive test data

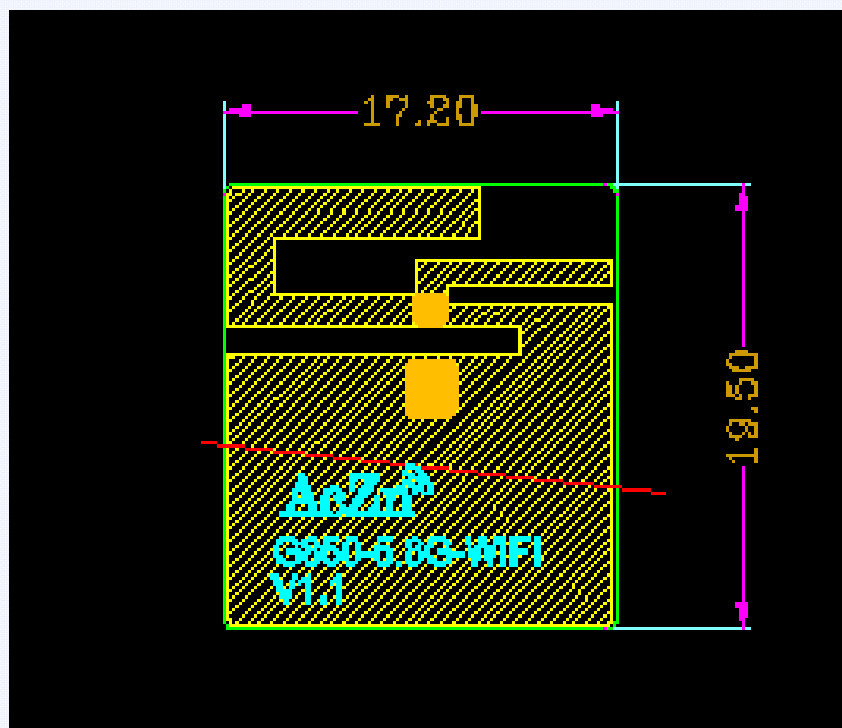
Frequency	Efficiency	Efficiency	Gain/ dBi
5100	-2.27	59.29	7.98
5150	-2.21	60.12	8.28
5200	-1.99	63.24	8.75
5250	-2.42	57.28	8.23
5300	-2.27	59.29	8.5
5350	-2.34	58.34	8.58
5400	-2.45	56.89	8.79
5450	-2.38	57.81	8.62
5500	-2.44	57.02	8.54
5550	-2.45	56.89	8.64
5600	-2.57	55.34	8.87
5650	-2.58	55.21	8.95
5700	-2.57	55.34	9.12
5750	-2.9	51.29	8.94
5800	-3.05	49.55	9.06

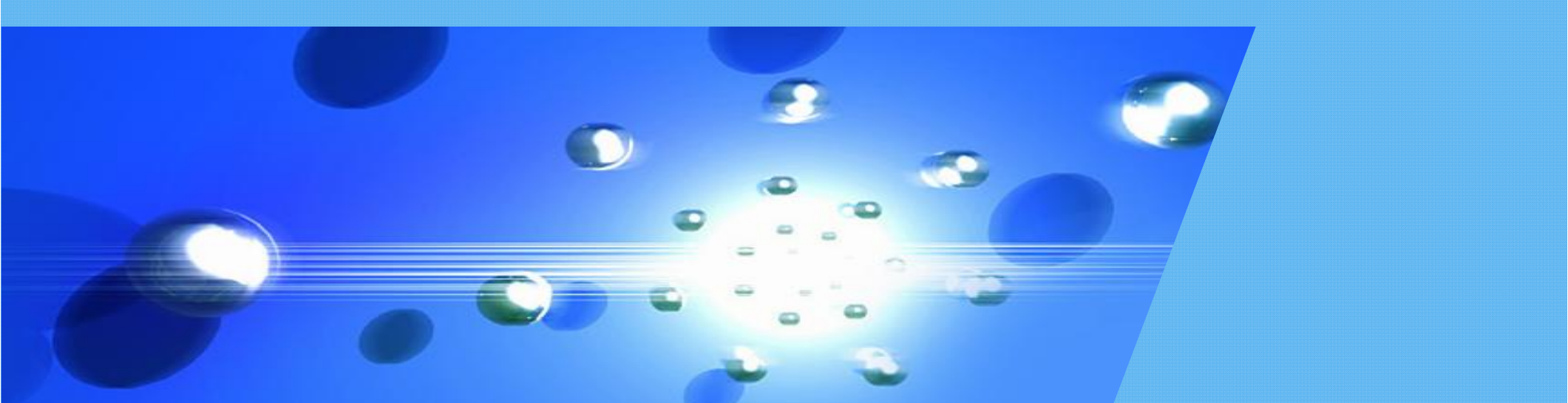


Assembly drawing



Antenna diagram





Thank You !

