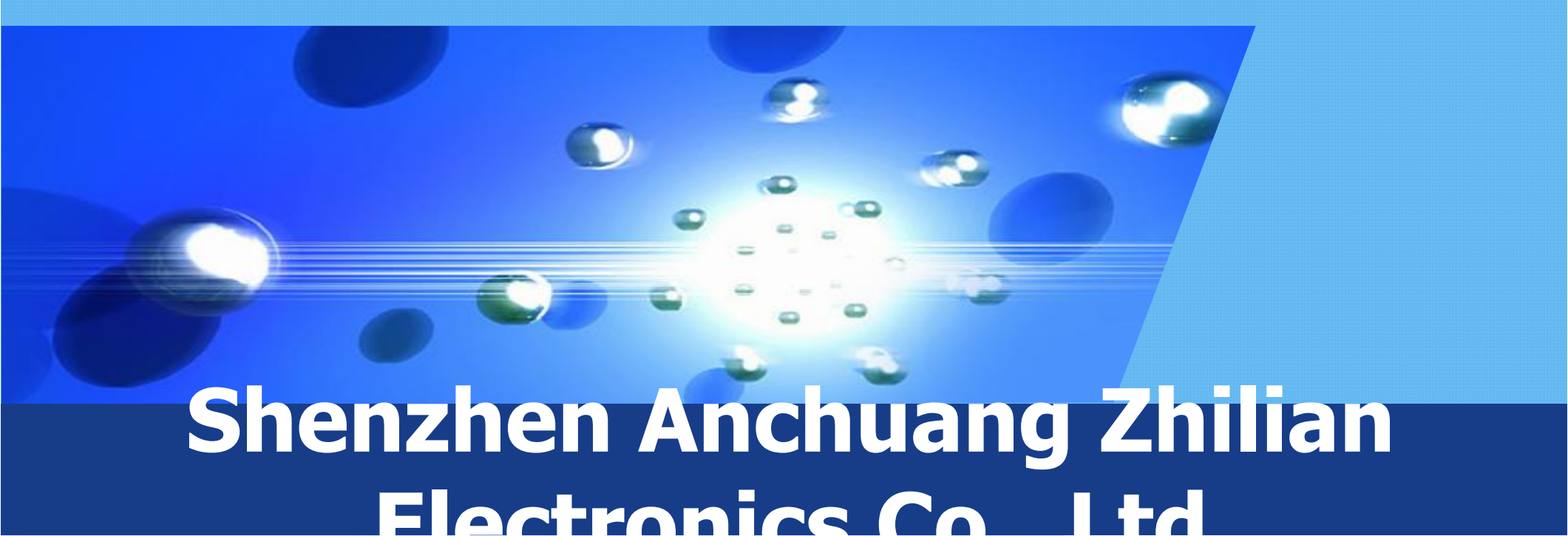




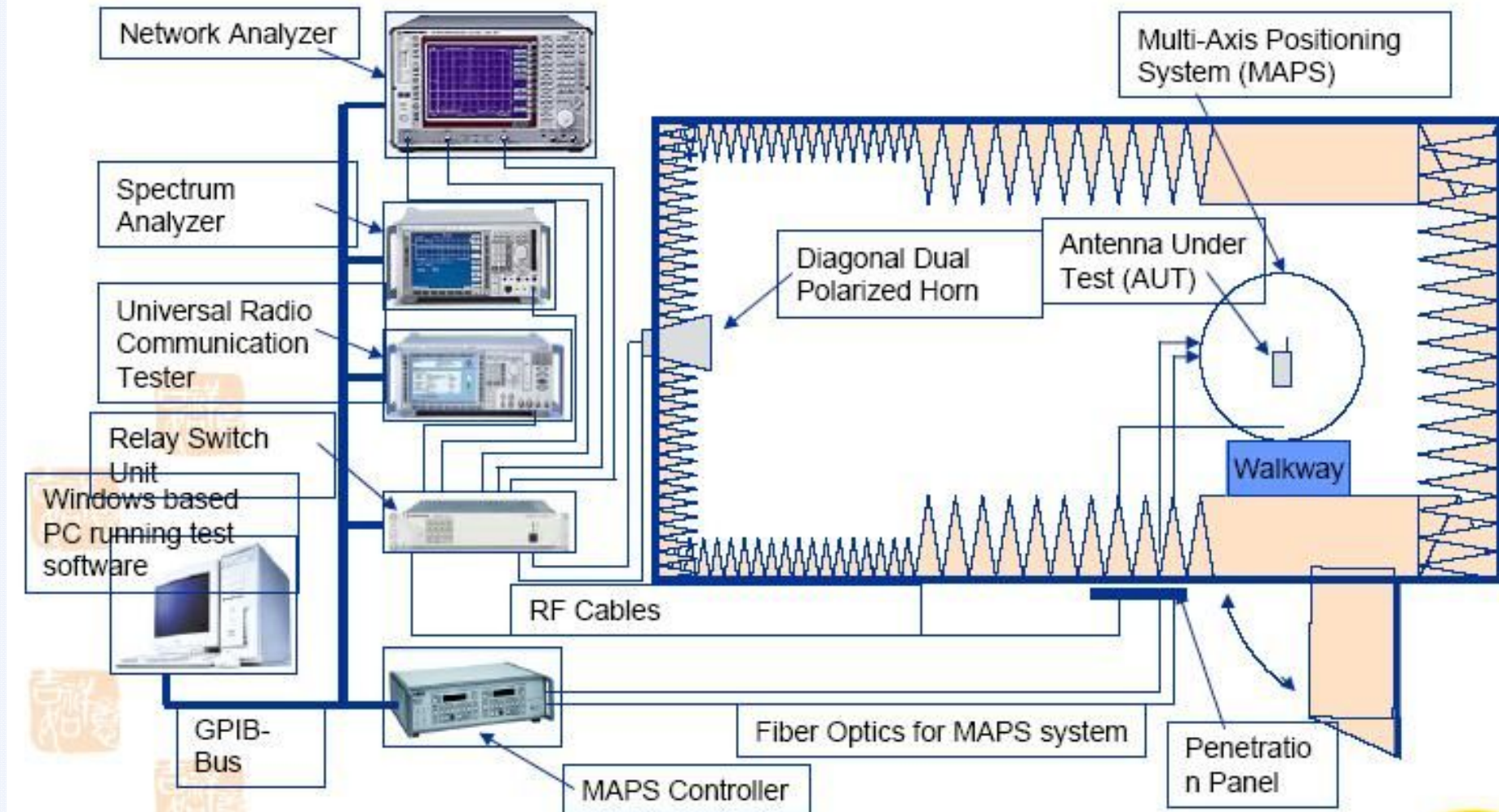
Shenzhen Anchuang Zhilian Electronics Co., Ltd

Antenna debugging report

project information

custom:	Strange feeling	Frequency band	date	date	2024. 3. 28
Frequency band	WIFI-B/G/N				
RF Engineering	Shrapnel				
RF Engineering	Yi Longhui				
Report version	V1.0				

test system

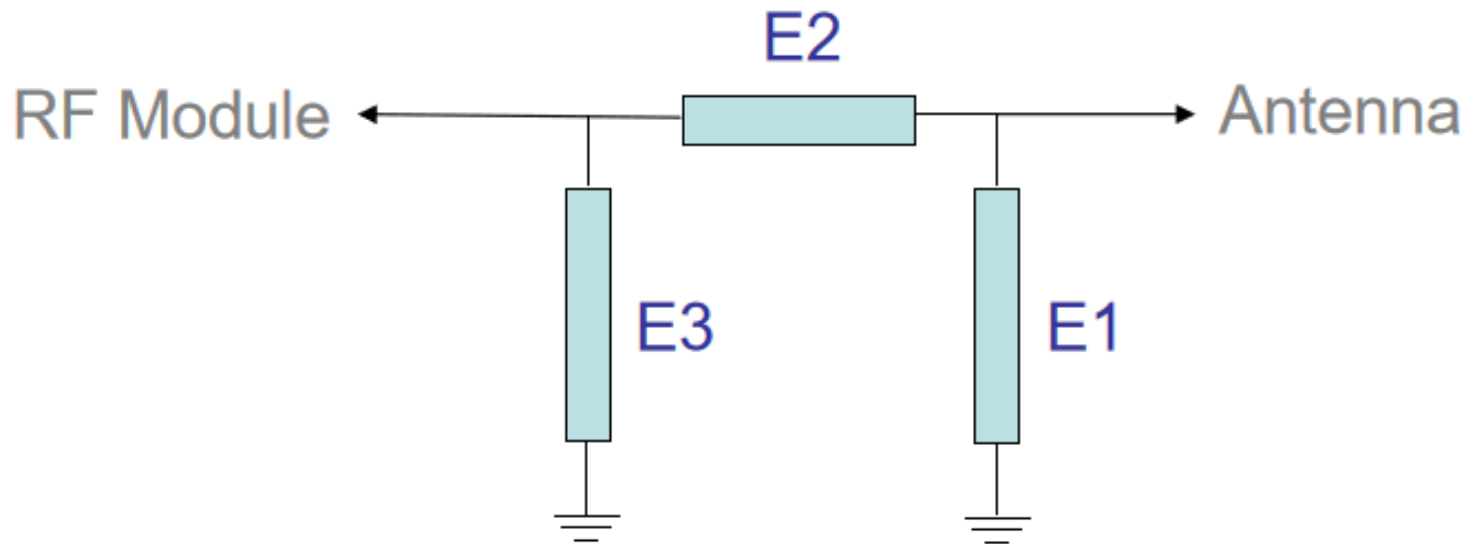


testing environment	
testing environment	XH-IOE MPS2440 Test System
ambient temperature	23°C
ambient humidity	52%
Ambient air pressure	101KPa

directory

- 1、Product diagram
- 2、Matching circuit
- 3、test data

Matching circuit



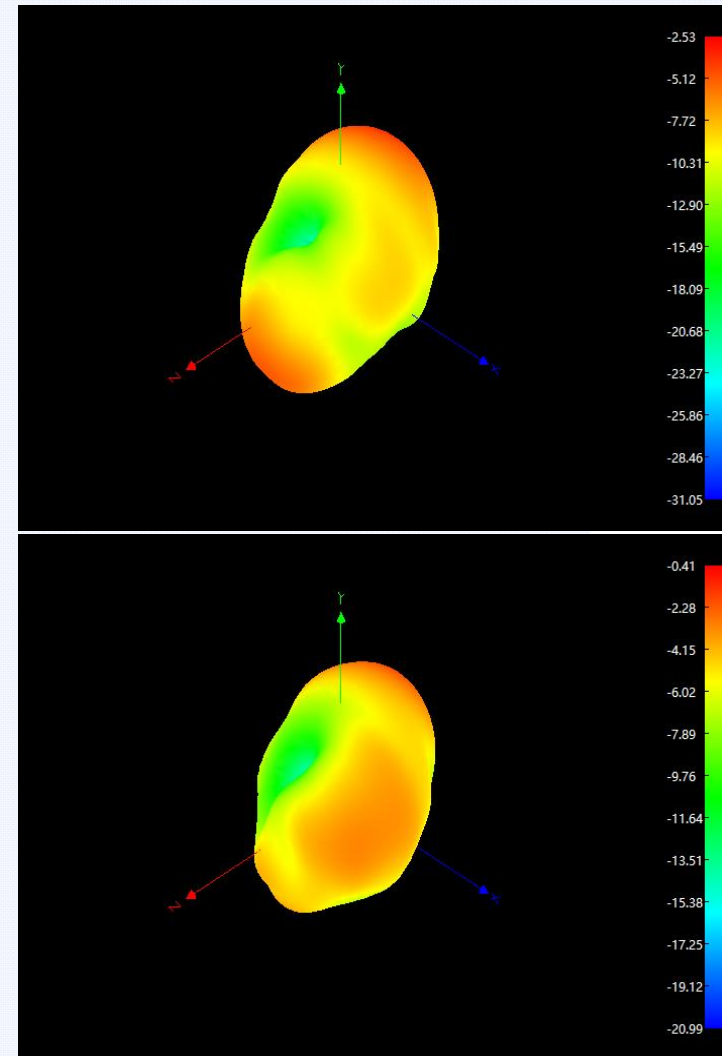
Element	Value
E1(0402)	4.7nH
E2(0402)	o Ω
E3(0402)	
The original match has been modified	

Active testing data

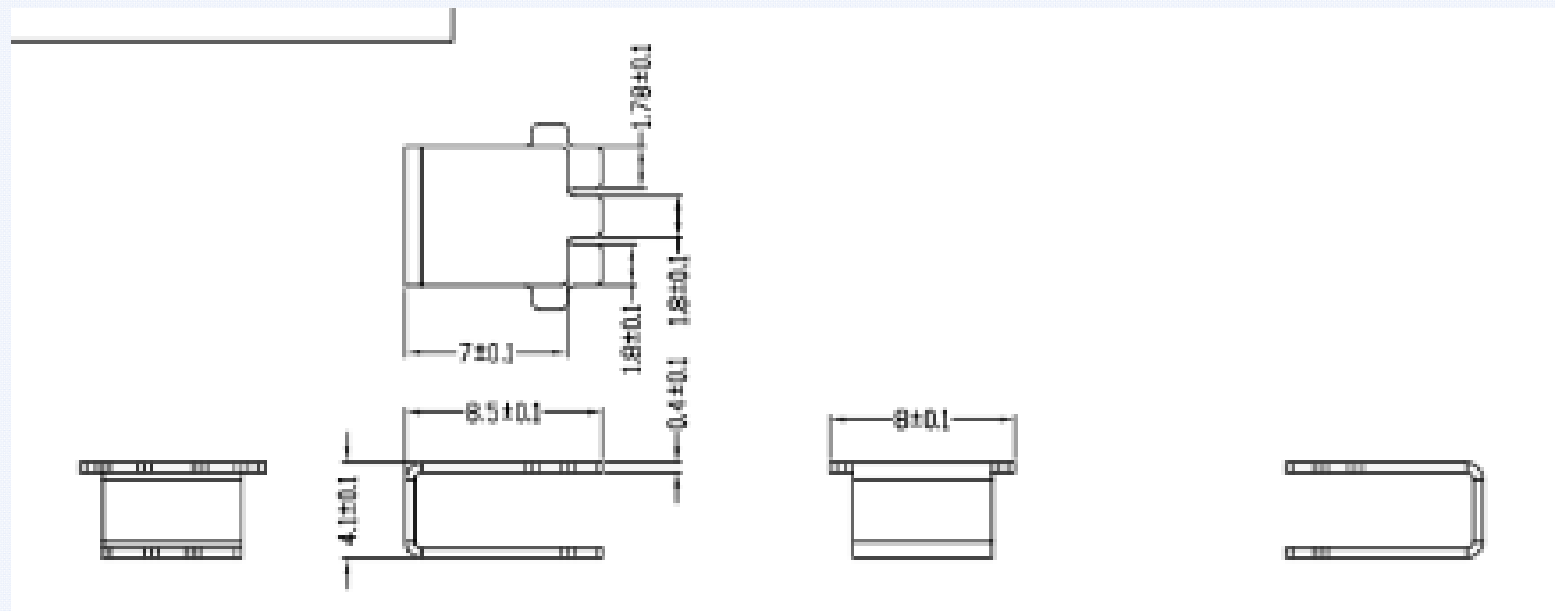
Band	channel	TRP (dBm)	TIS (dBm)
WIFI-B	1	12.57	
	7	13.45	
	13	13.23	81.24
WIFI-G	1	12.46	
	7	13.17	
	13	13.54	68.45
WIFI-N	1	12.57	
	7	12.65	
	13	13.42	67.23

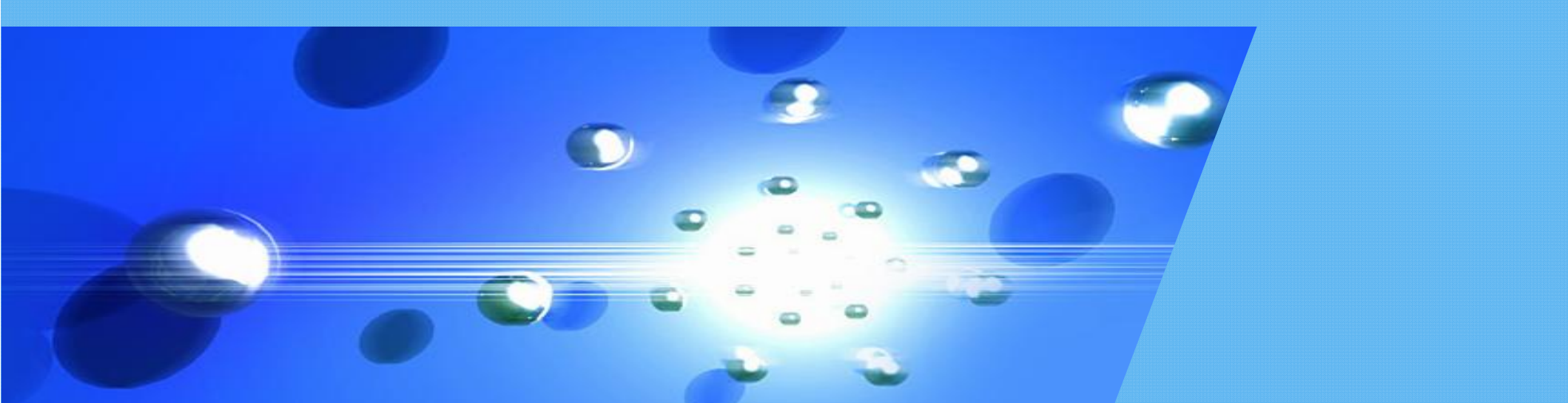
Passive test data

Frequency	Efficiency	Efficiency	Gain/ dBi
2400	-8.18	15.21	-2.53
2410	-7.94	16.07	-1.96
2420	-7.93	16.11	-1.99
2430	-7.97	15.96	-1.78
2440	-7.48	17.86	-1.34
2450	-7.41	18.16	-0.98
2460	-7.42	18.11	-1.02
2470	-6.99	20	-0.38
2480	-6.91	20.37	-0.63
2490	-7.14	19.32	-0.69
2500	-6.72	21.28	-0.41



Antenna structure diagram





Thank You !

