

Shenzhen Ainuote communication equipment Co., LTD

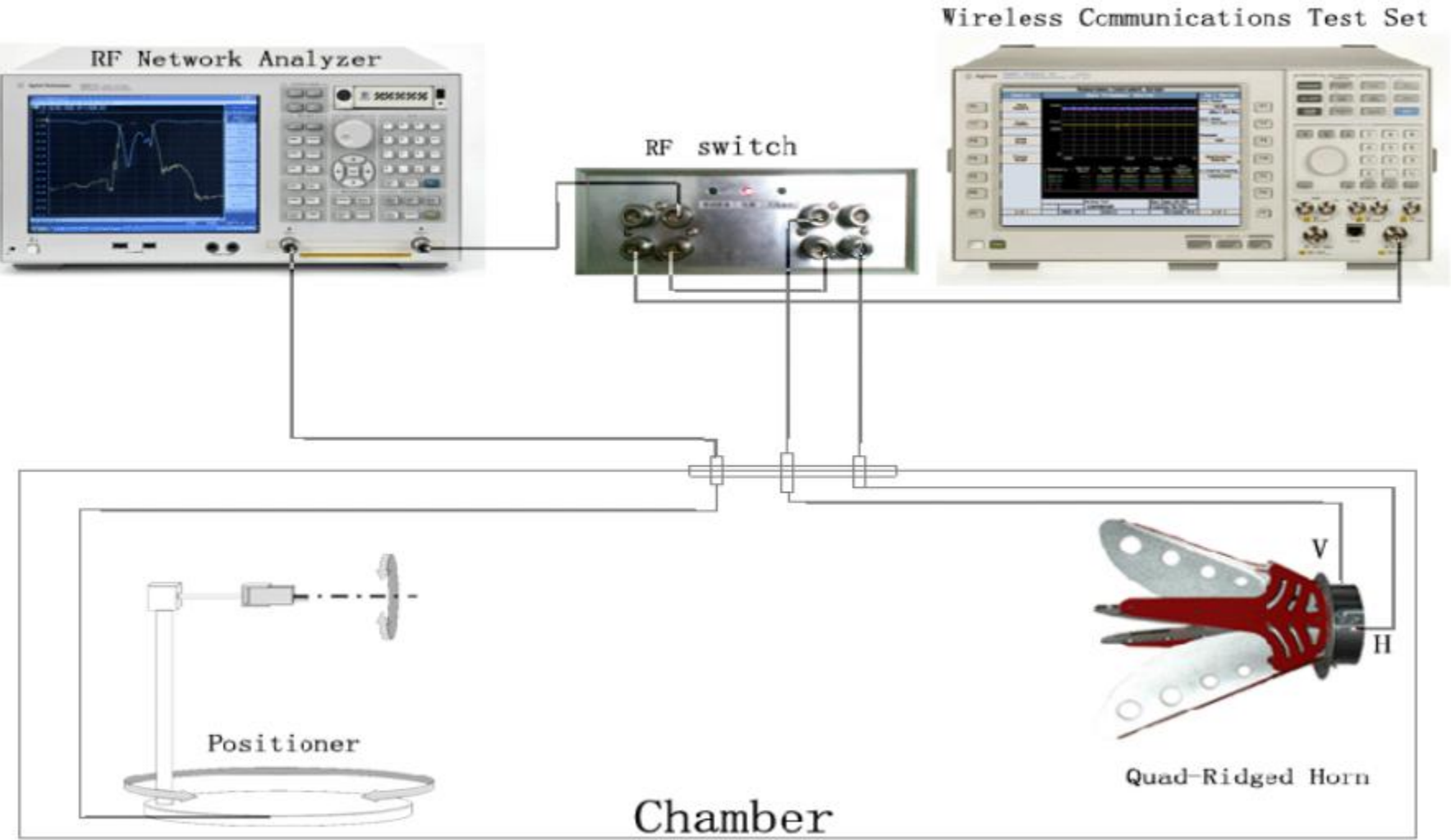
Antenna test report

Client:	Heatmoving	Project	P519	Date	2023. 9. 20
Frequency range:	2. 4G-2. 48G				
Report version:	V3. 1 (DVT sample)				
P/N:	15A-G0653-00A				
Antenna structure:	Board mounted PIFA antenna				

Address: 504-505, Meisheng Chuangu Xia Valley, Longchang Road, Xin an Street, Bao an District, Shenzhen

Tel: 0755-29308863 Fax: 0755-29308861

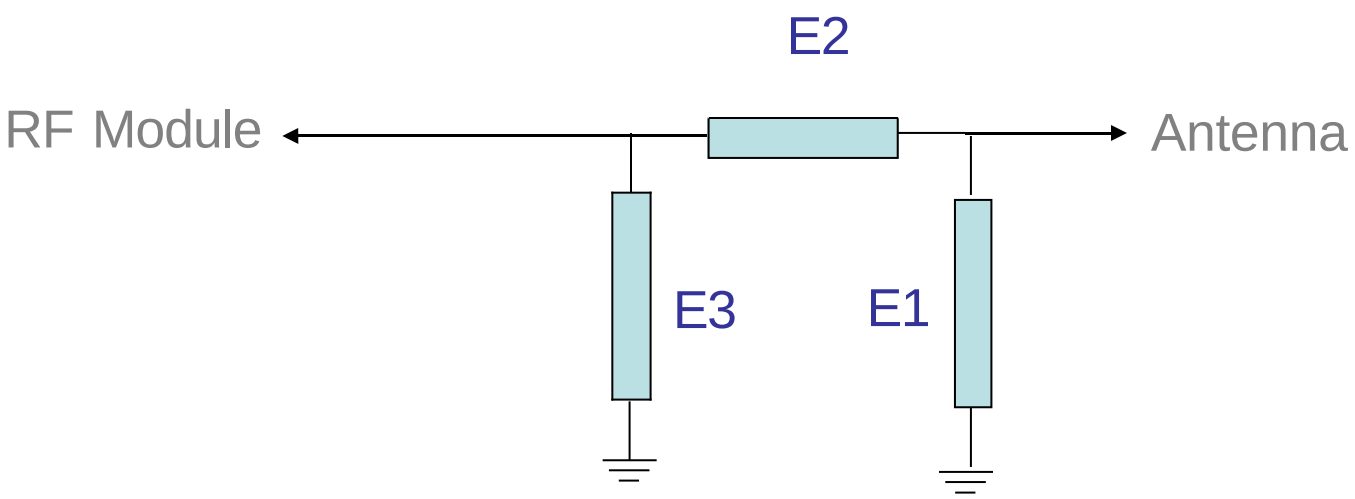
Test macro



Catalogue

- 1、 Matching circuit
- 2、 Passive test data
- 3、 Antenna location map and test method

1. 1 Matching circuit (mouse)

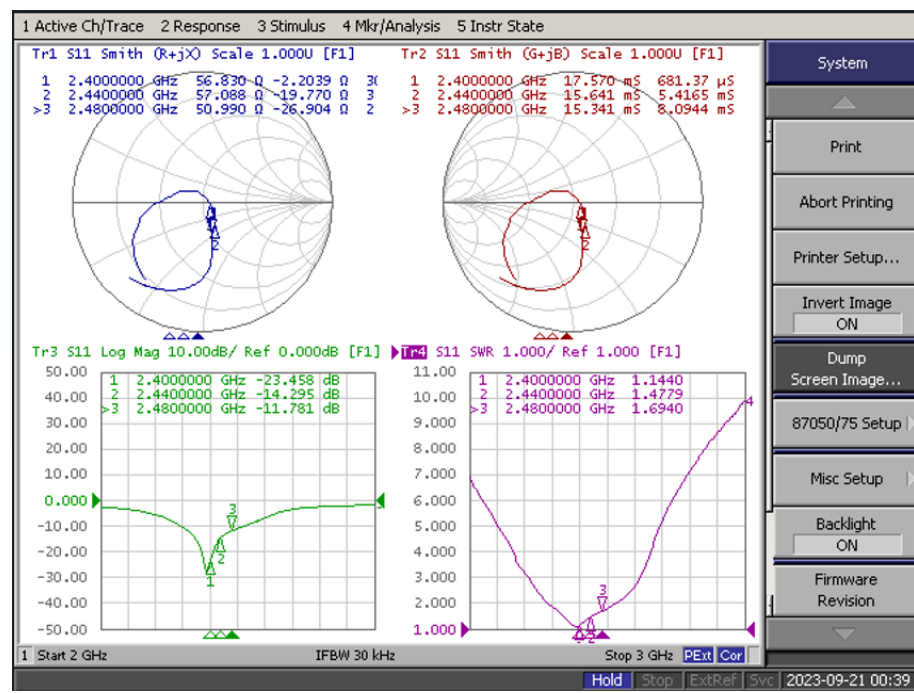


Element	Value
E1(0201)	NC
E2(0201)	0Ω
E3(0201)	1.5pF

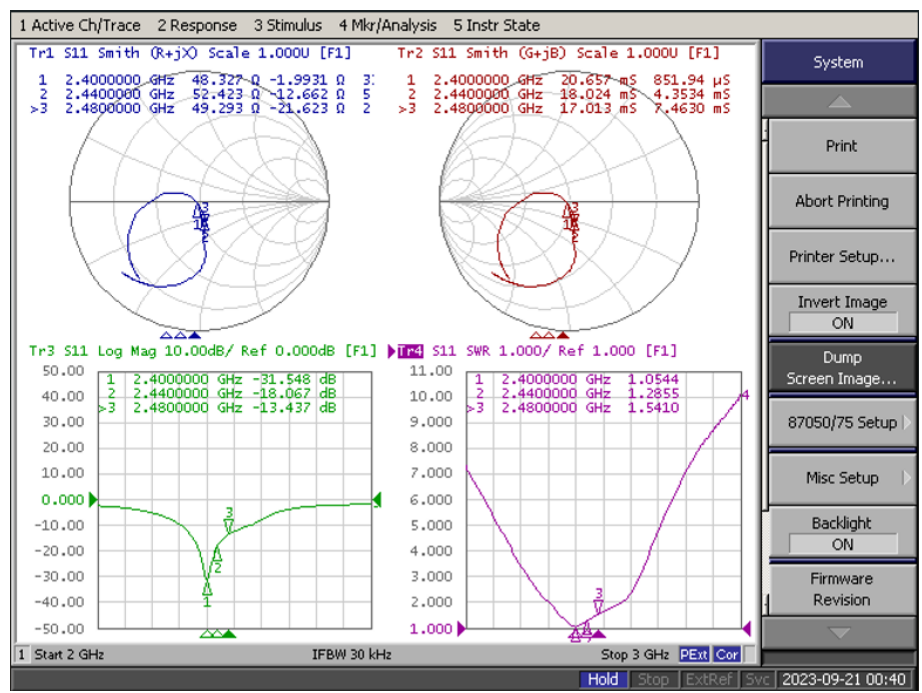
2、Passive test data

2.1 S11 Parameter

Mouse1



Mouse2



2.2 Gain & Efficiency

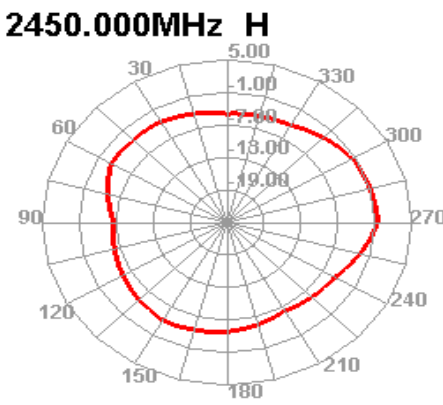
Mouse1

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	56.18	-2.5	-0.15
2410	54.74	-2.62	-0.08
2420	52.98	-2.76	0.08
2430	55	-2.6	0.15
2440	53.97	-2.68	0.38
2450	56.25	-2.5	0.33
2460	54.28	-2.65	0.31
2470	54.91	-2.6	0.52
2480	52.78	-2.77	0.45
2490	53.14	-2.75	0.37
2500	52.72	-2.78	0.39

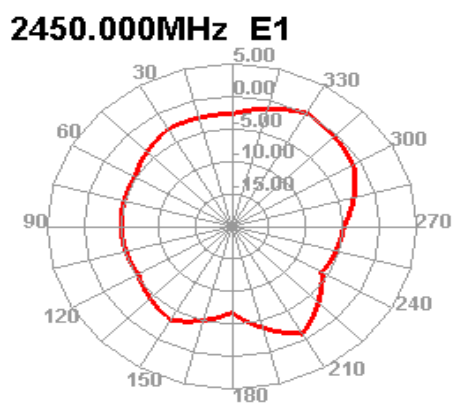
Mouse2

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	55.06	-2.59	0.17
2410	53.33	-2.73	-0.06
2420	51.78	-2.86	0.07
2430	53.42	-2.72	0.15
2440	52.56	-2.79	0.01
2450	55.5	-2.56	0.38
2460	54.08	-2.67	0.44
2470	54.13	-2.67	0.61
2480	51.71	-2.86	0.37
2490	51.44	-2.89	0.01
2500	50.86	-2.94	0.2

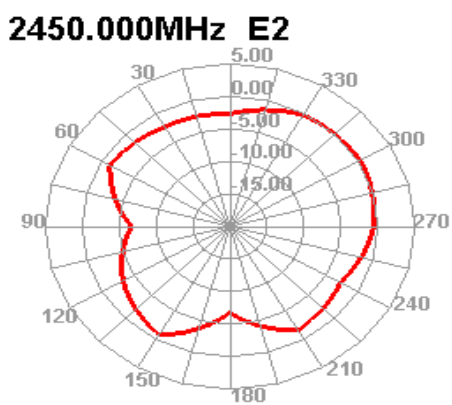
2.3.1 Radiation pattern (Mouse1)



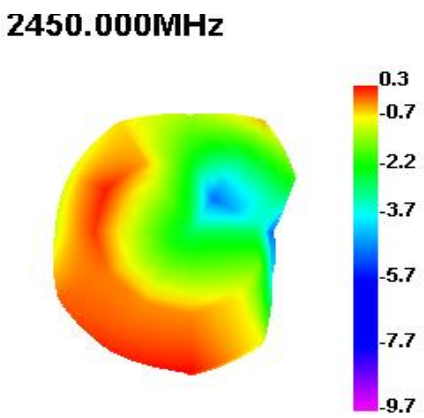
XY



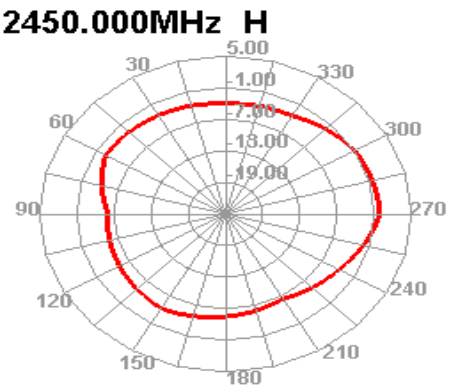
XZ



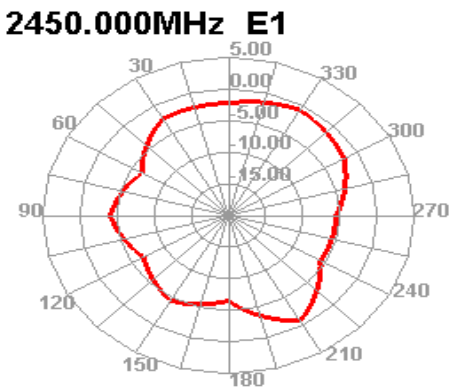
YZ



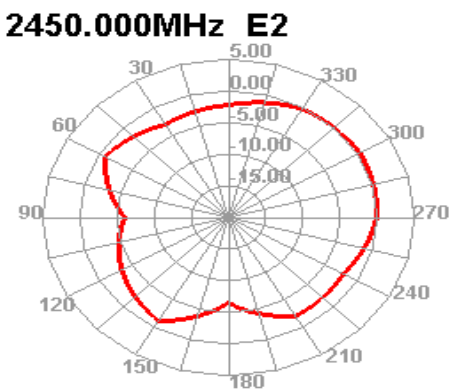
2.3.1 Radiation pattern (Mouse2)



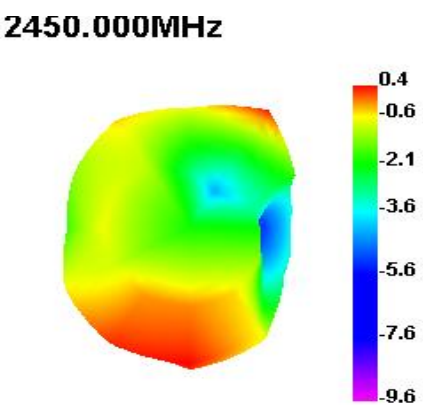
XY



XZ



YZ



3、 Antenna location map and test method

