

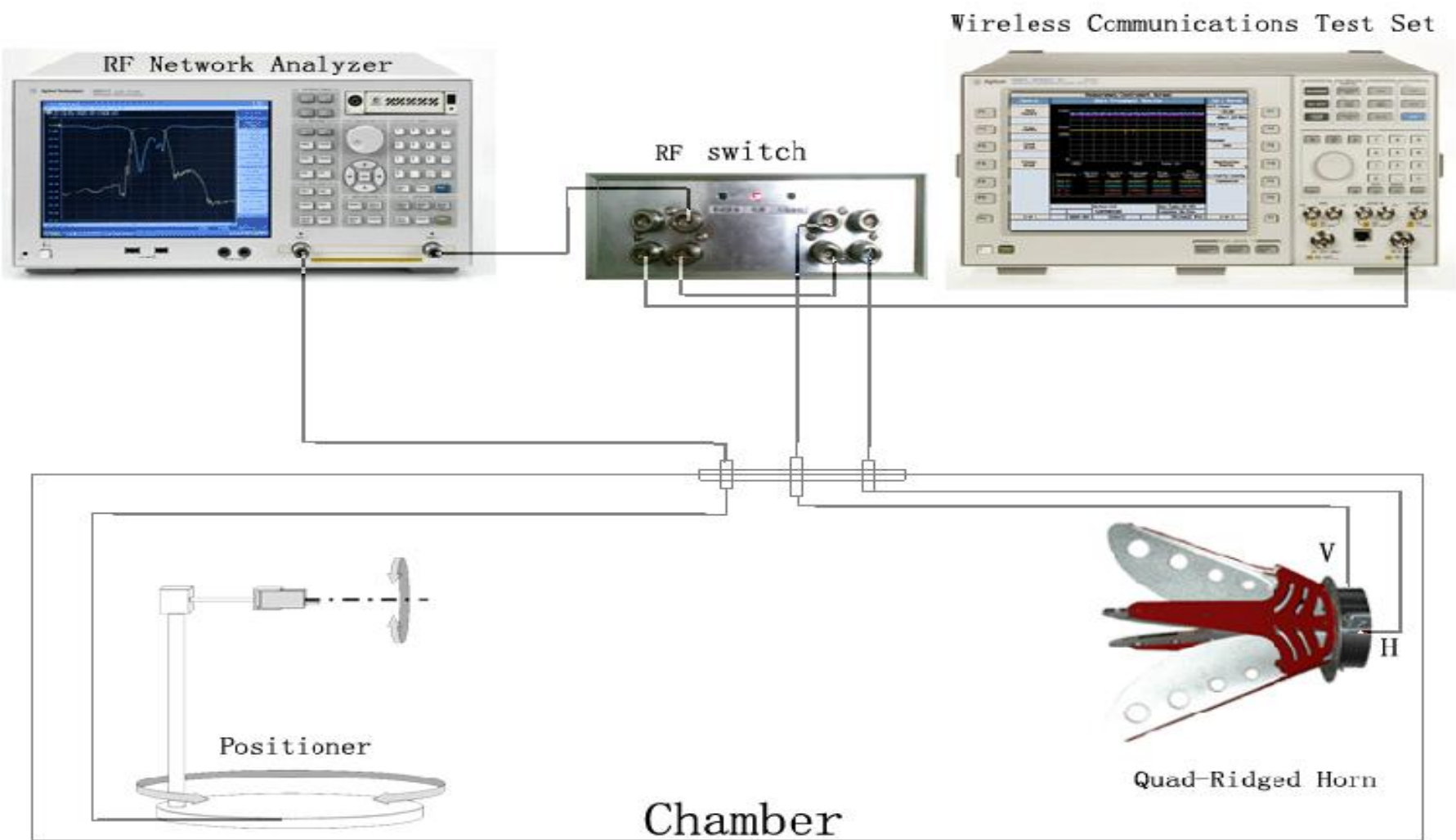
Shenzhen Etno communication equipment Co., LTD

Antenna test report

client:	Heatmoving	project :	Model D	date :	2023.8.10
frequency band	2.4G-2.48G				
Report version	V1.0				
antenna structure	onboard antenna				

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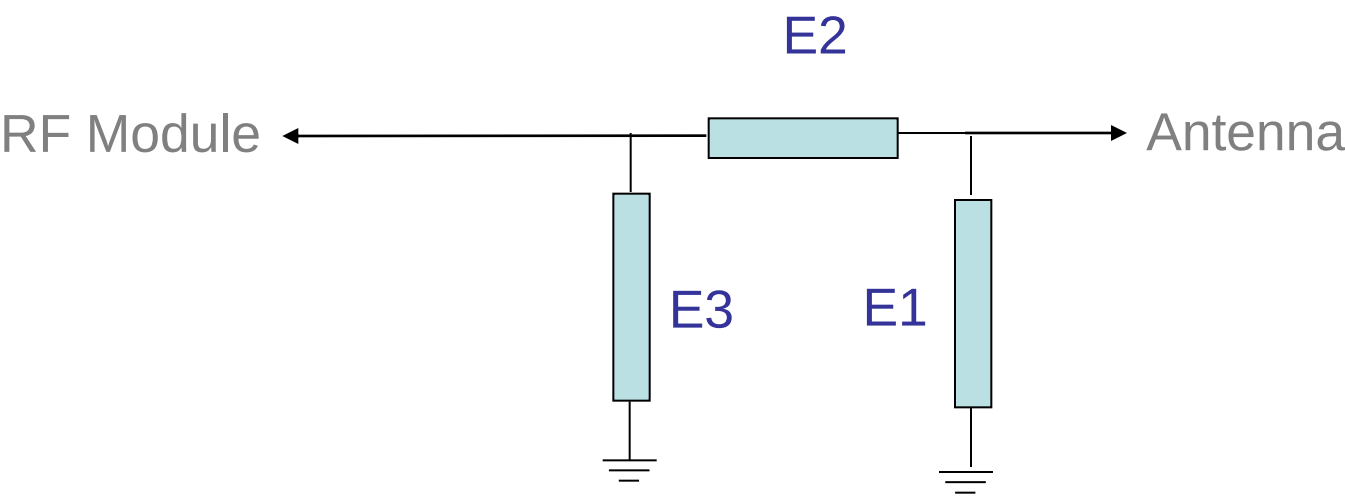
test system



catalogue

1. matching circuit
2. Passive test data
3. Antenna position diagram and test method

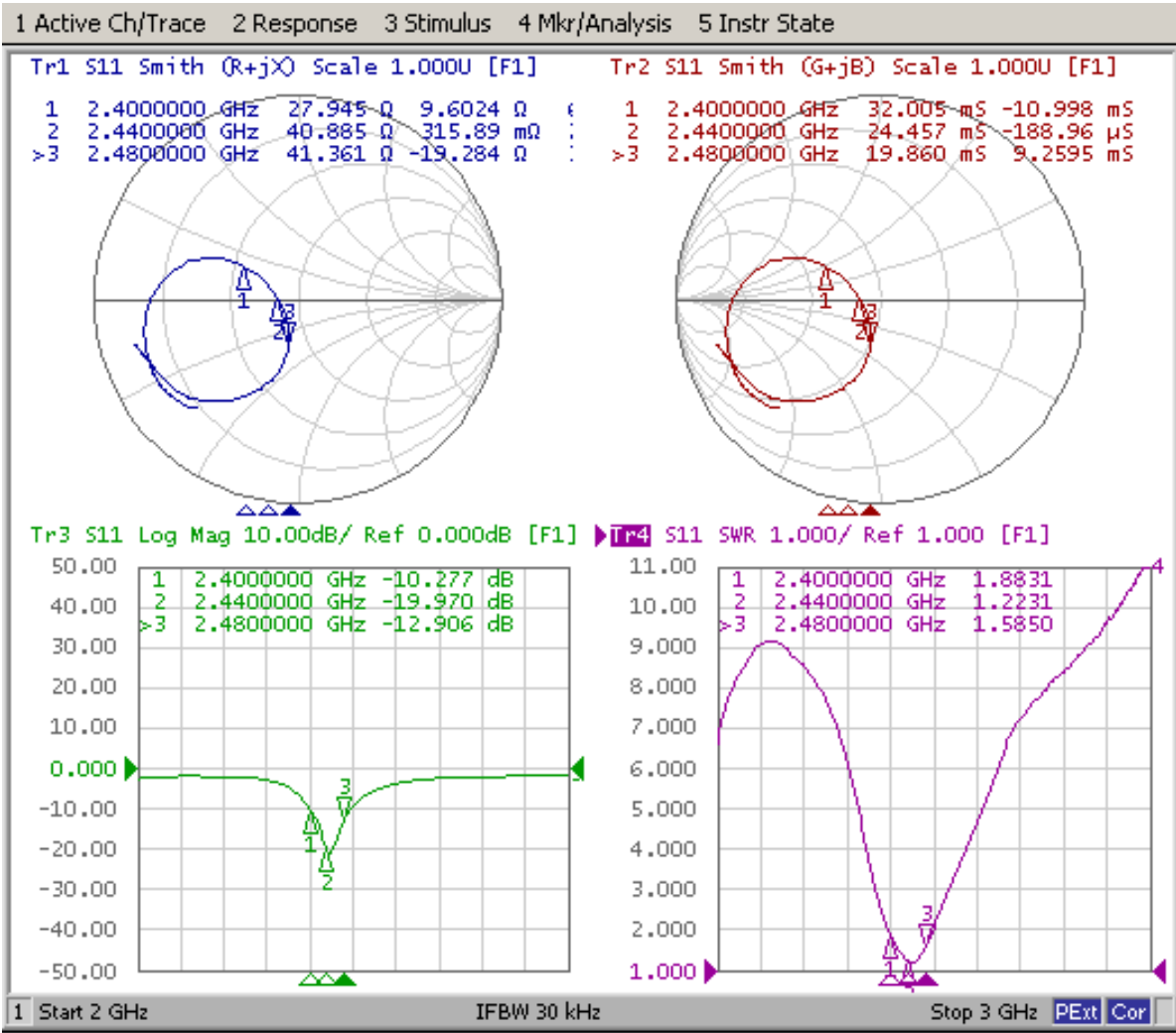
1. matching circuit



Element	Value
E1(0201)	NC
E2(0201)	1.5pF(GRM0335C1H1R5B02D)
E3(0201)	2.2pF(GRM0335C1H2R2B02D)

2、Passive test data

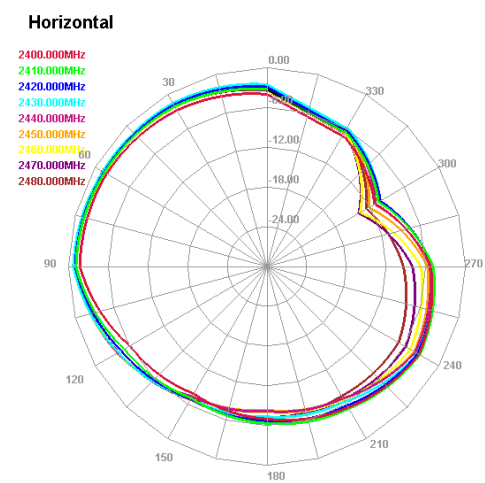
2.1 S11 Parameter



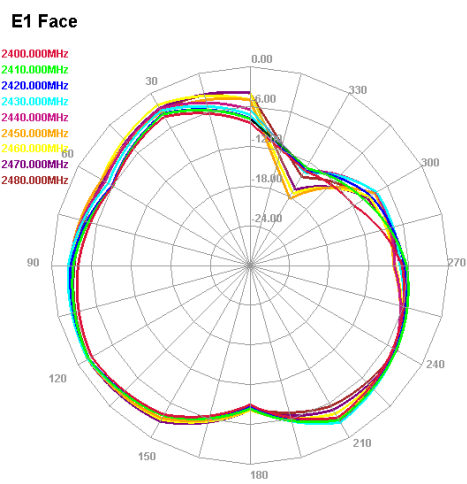
2.2 Gain & Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	34.7	-4.6	-1.1
2410	38.41	-4.16	-0.72
2420	38.8	-4.11	-0.77
2430	41.3	-3.84	-0.6
2440	40.94	-3.88	-0.83
2450	42.15	-3.75	-0.75
2460	40.44	-3.93	-1.02
2470	39.59	-4.02	-1.03
2480	37.25	-4.29	-0.92

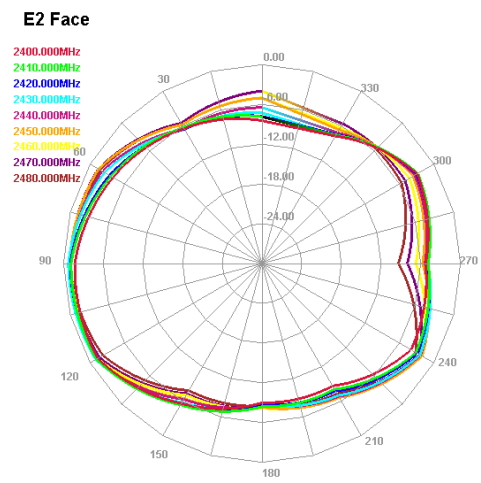
2.3 Radiation pattern



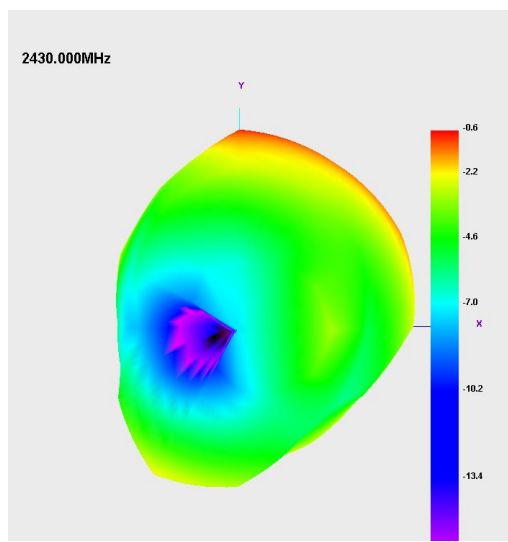
XY



XZ



YZ



3、Antenna position diagram and test method

