

Shenzhen Aiteno communication equipment Co., LTD

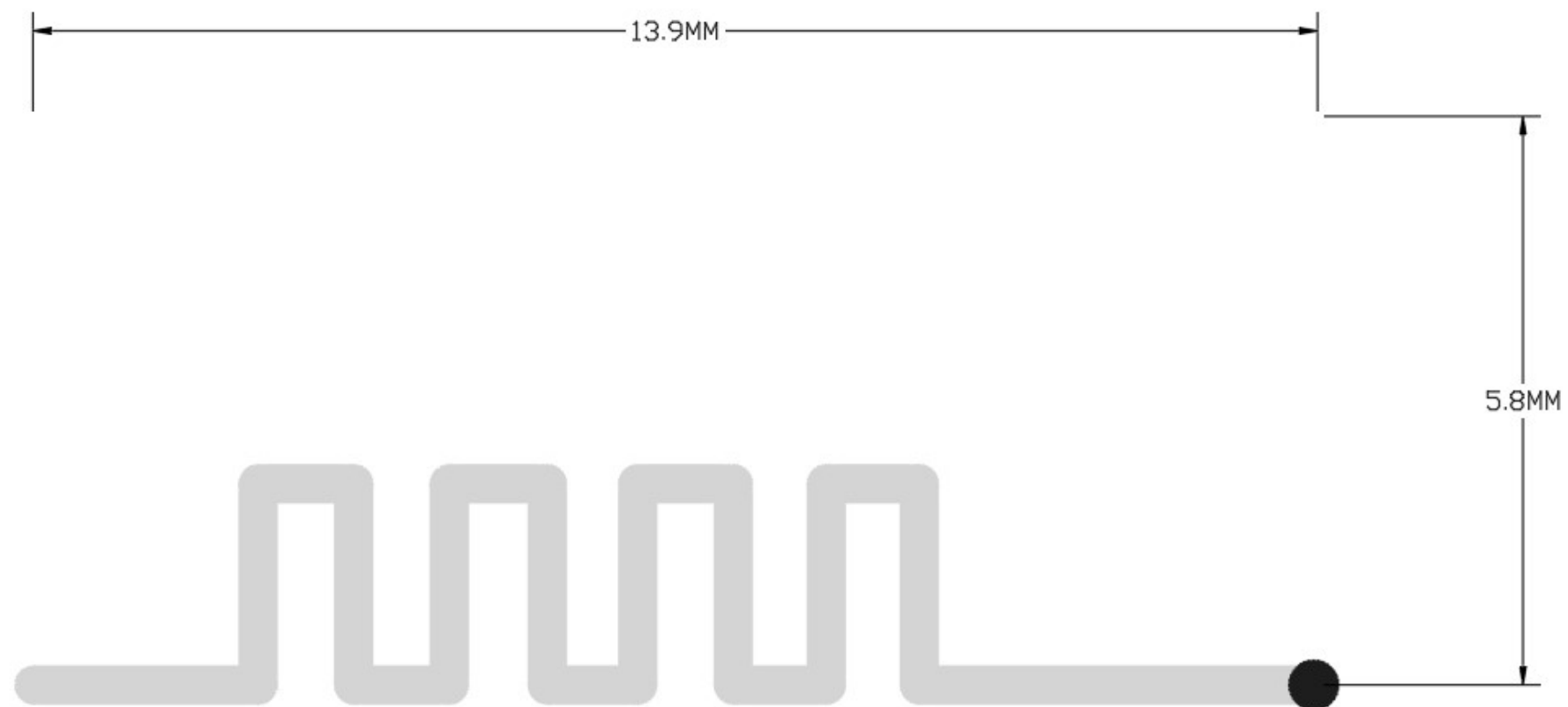
Antenna test report

client:	Chuangxinwei	project	404	date	2024.1.29
frequency band	2.4G-2.48G				
Report version	V1.0				
antenna structure	PCB onboard antenna				

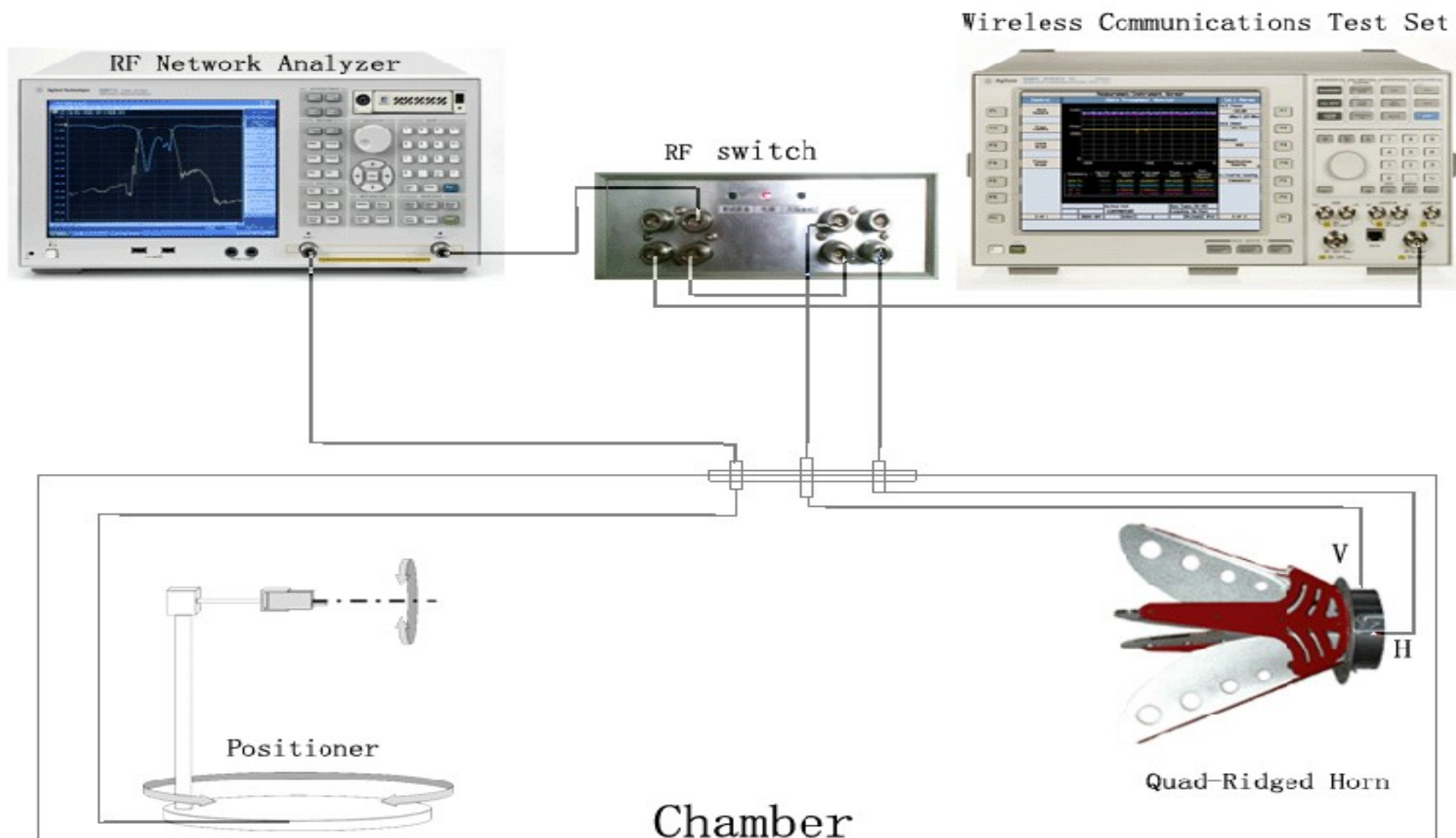
address: 504-505 Meisheng Chuangu Xia Valley, Longchang
Road, Xin 'an Street, Bao 'an District, Shenzhen

telephone: 0755-29308863 fax: 0755-29308861

Antenna size



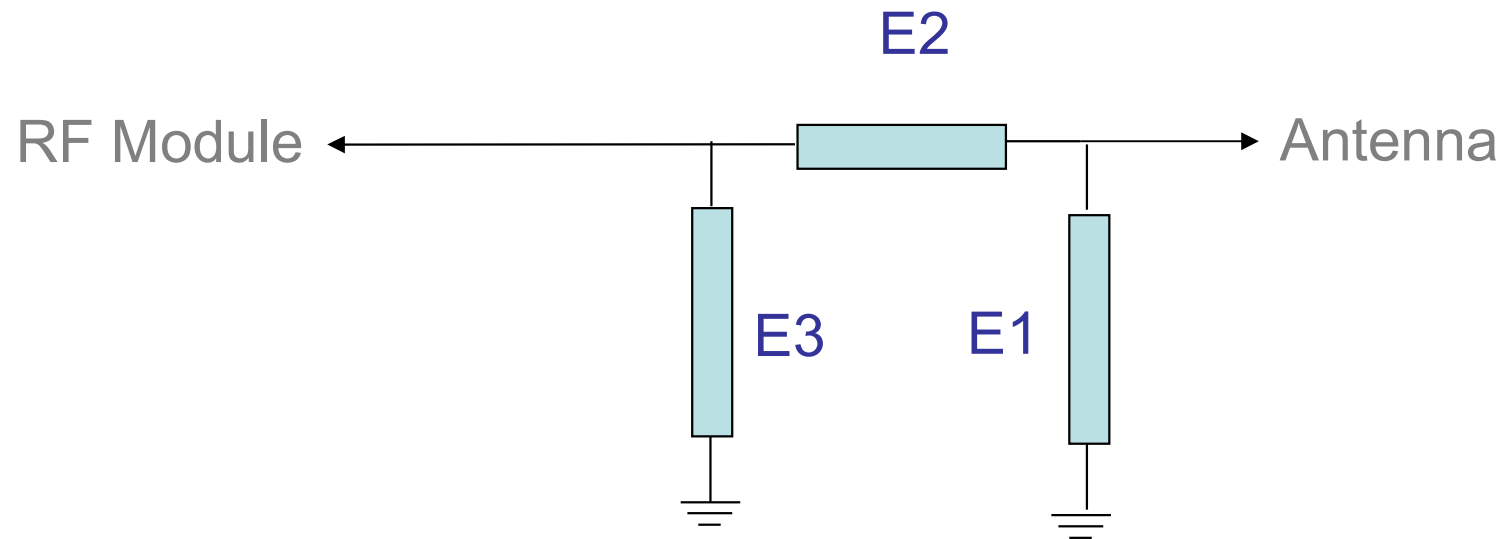
TEST SYSTEM



directory

- 1、 matching circuit
- 2、 Passive test data
- 3、 OTA test data

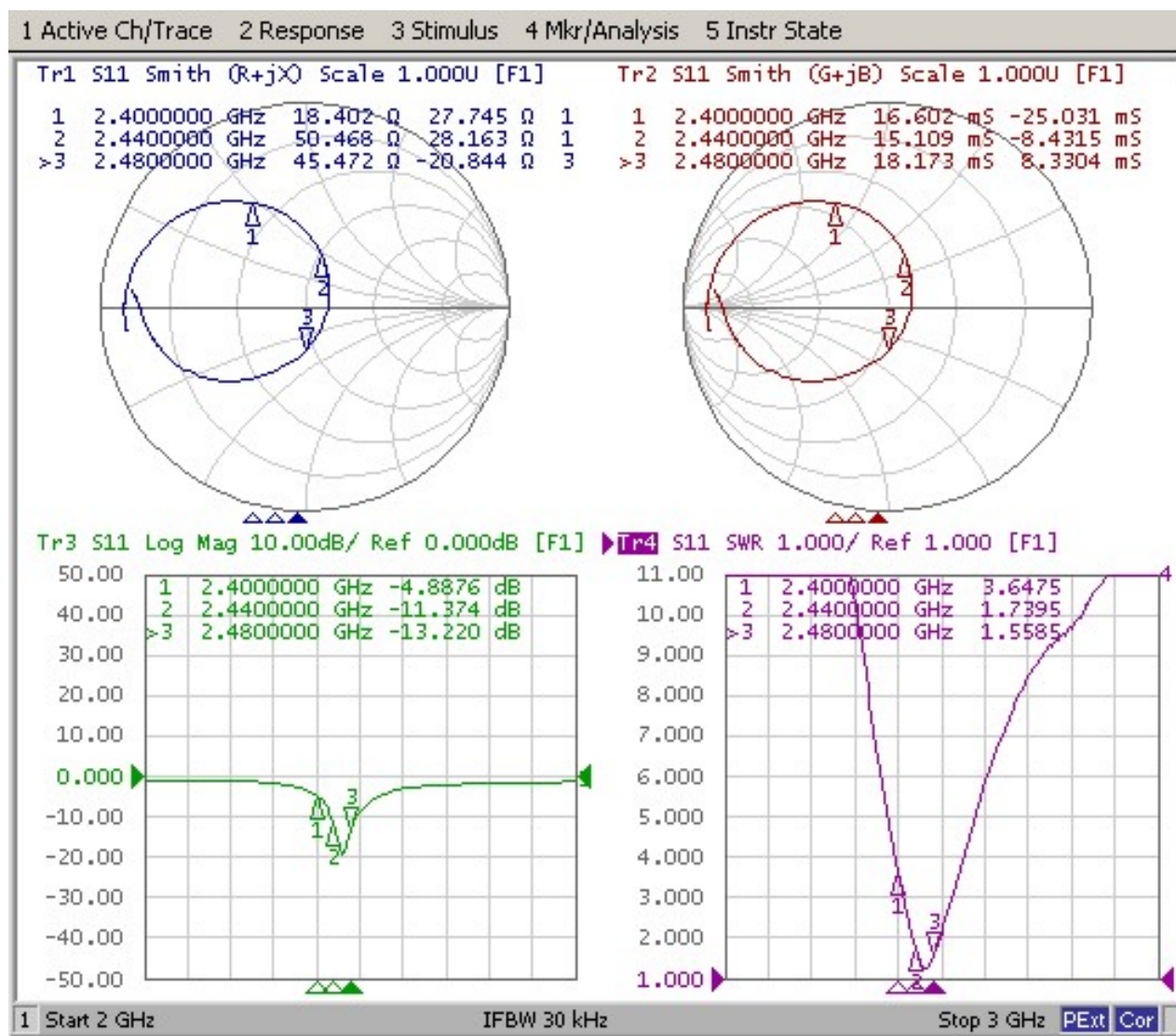
matching circuit



Element	Value
E1(0201)	NC
E2(0201)	1.5nH
E3(0201)	2.4pF

2 Passive test data

2.1 S11 Parameter

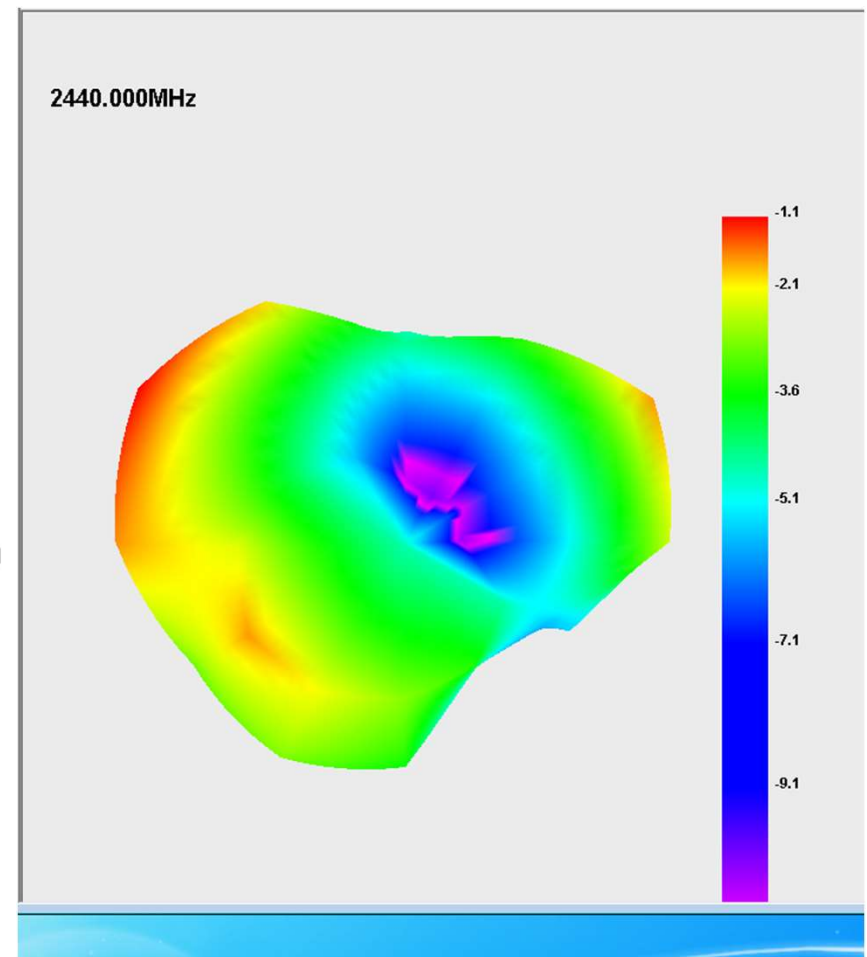
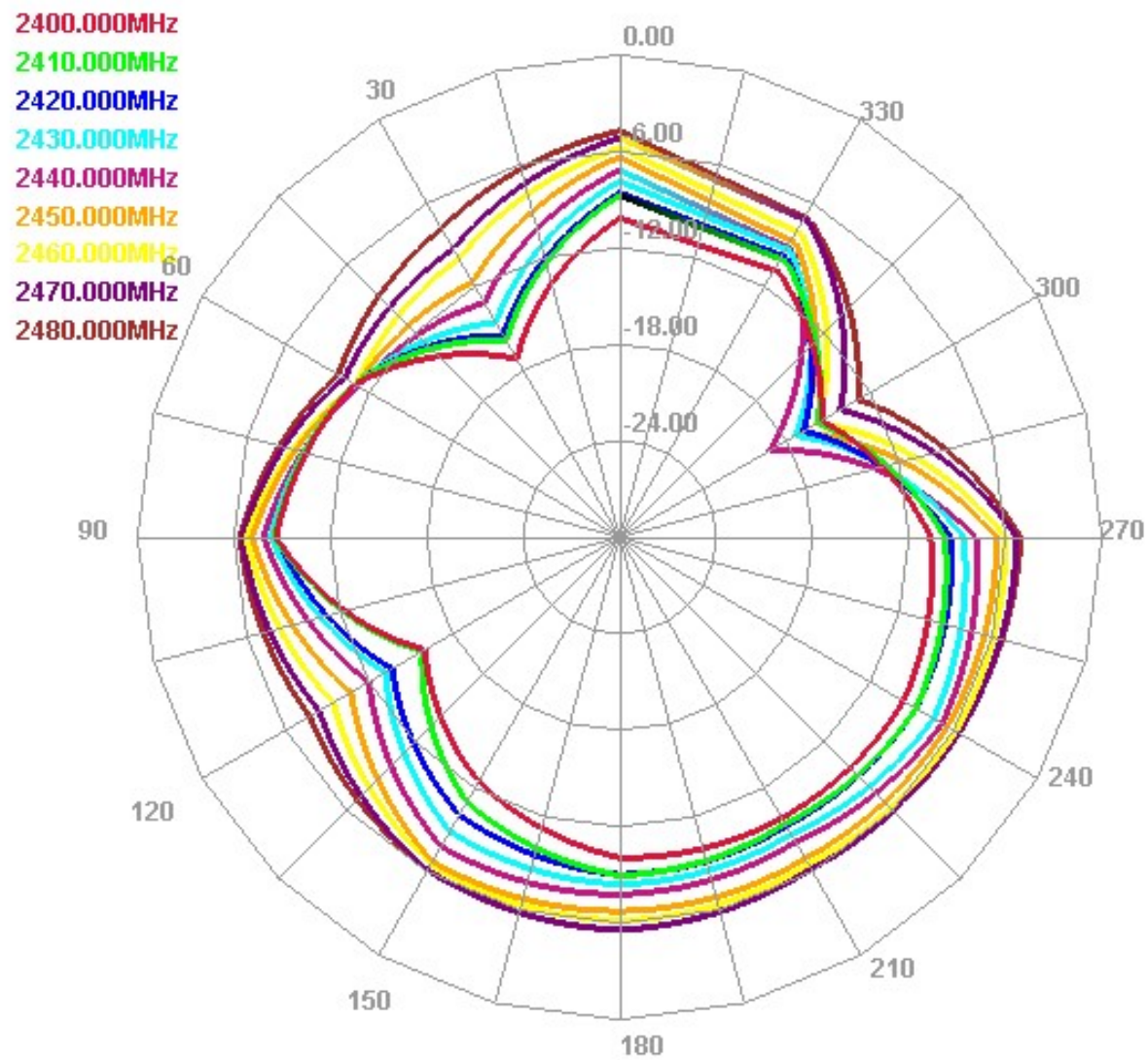


2.2 Gain & Efficiency

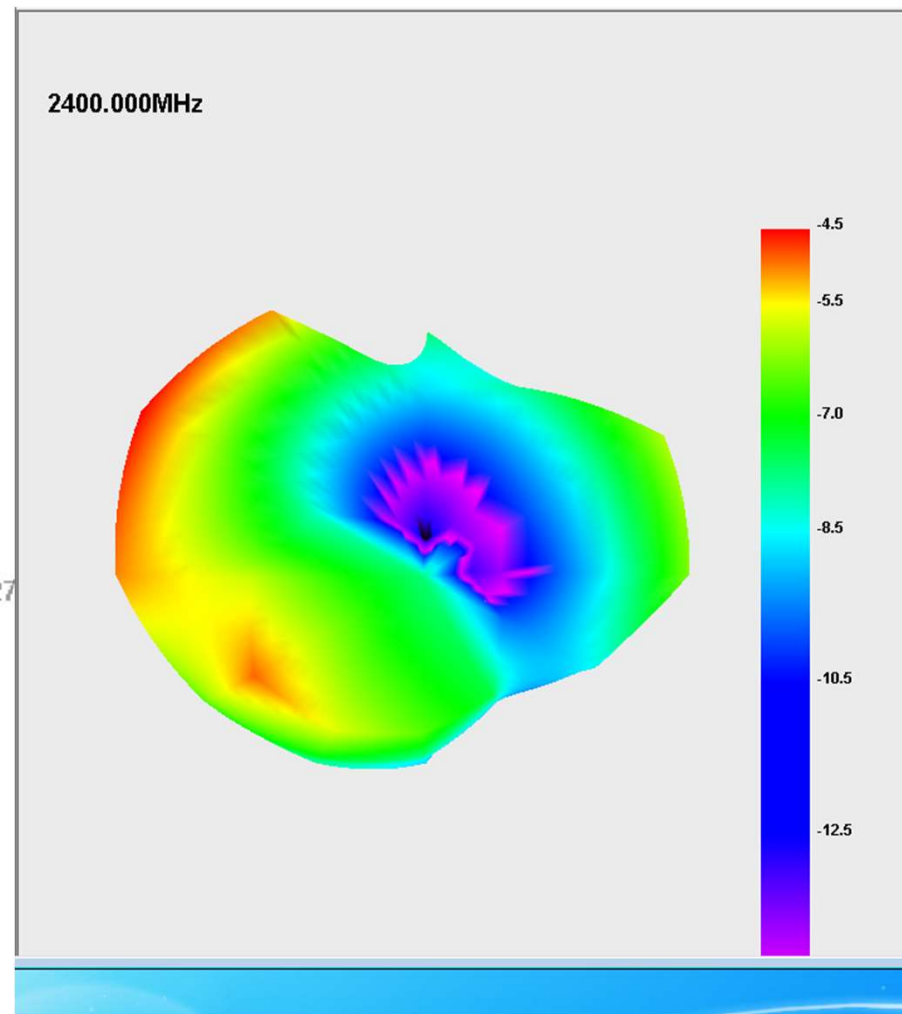
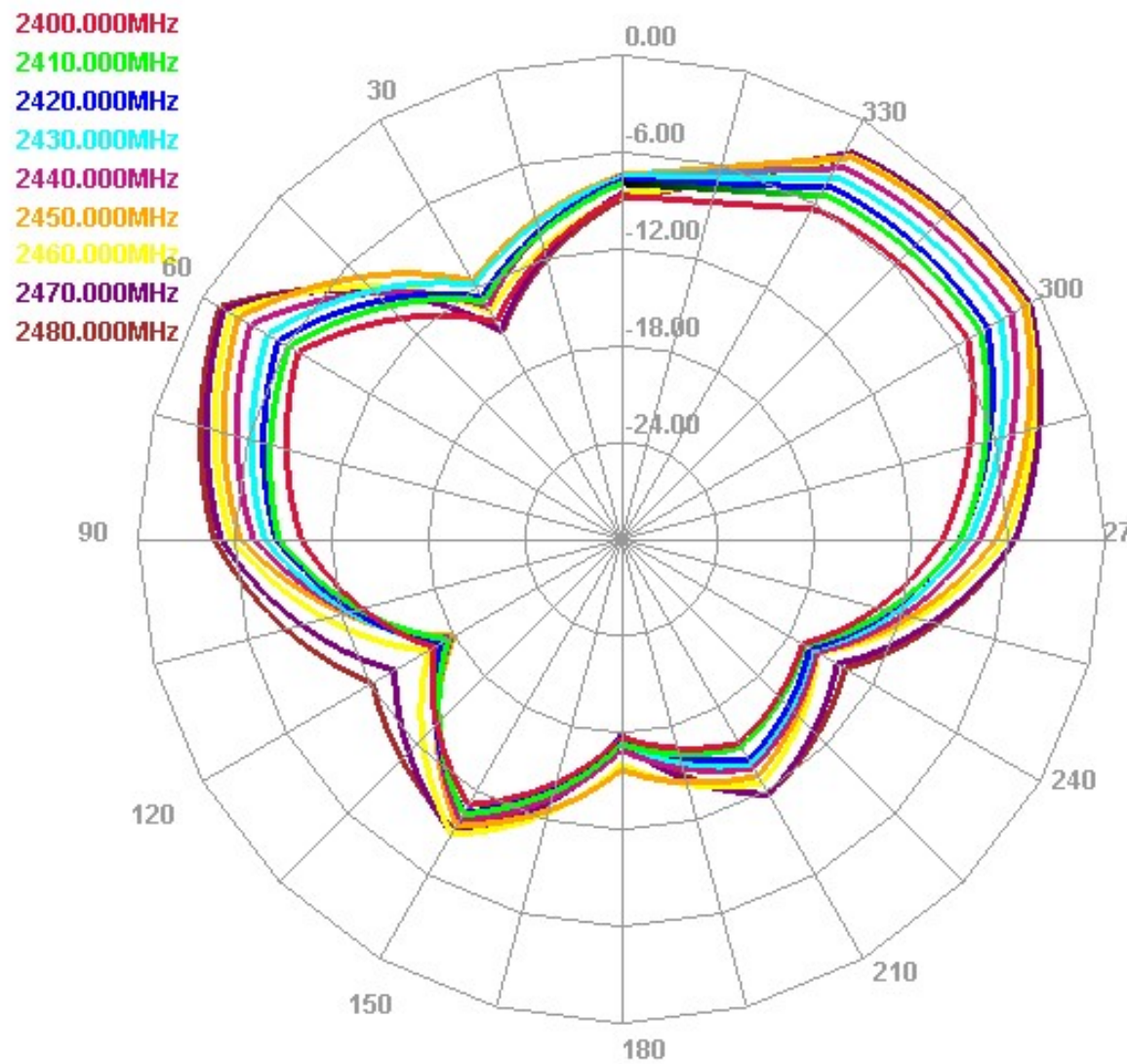
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	12.93	-8.88	-4.52
2410	13.8	-8.6	-3.39
2420	14.09	-8.51	-2.66
2430	15.89	-7.99	-1.73
2440	18.37	-7.36	-1.05
2450	21.69	-6.64	-0.43
2460	22.96	-6.39	-0.35
2470	24.49	-6.11	-0.36
2480	24.66	-6.08	-0.28

2.3 Radiation pattern

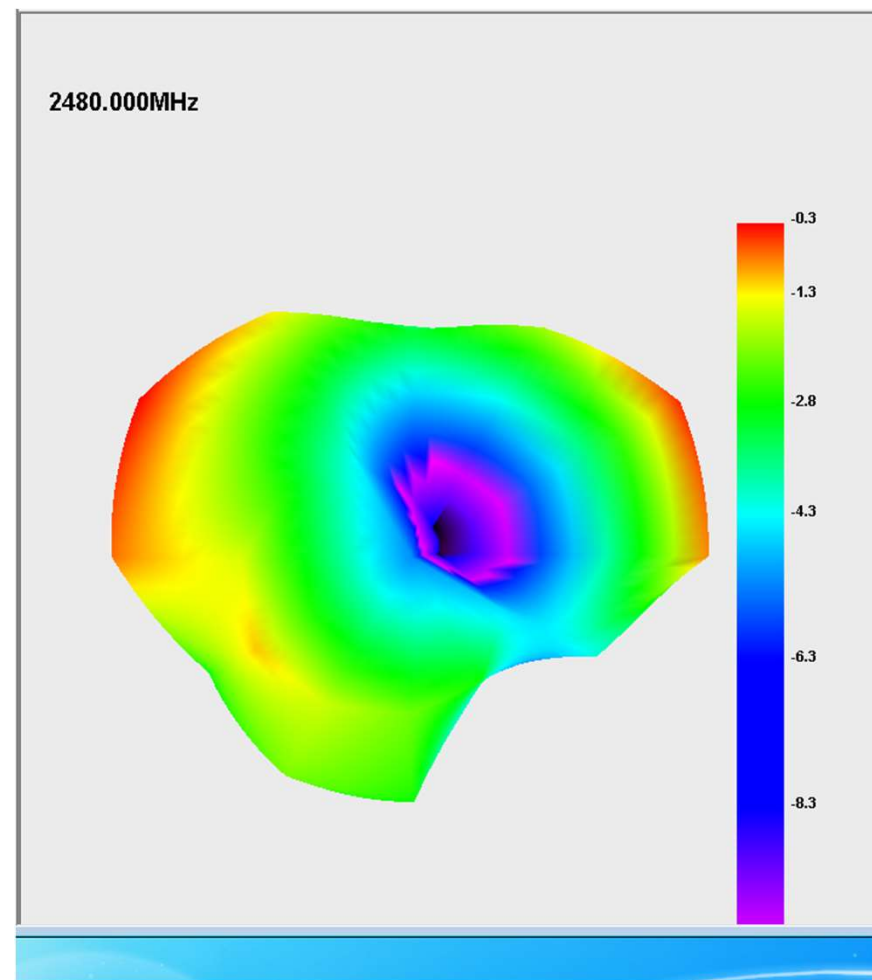
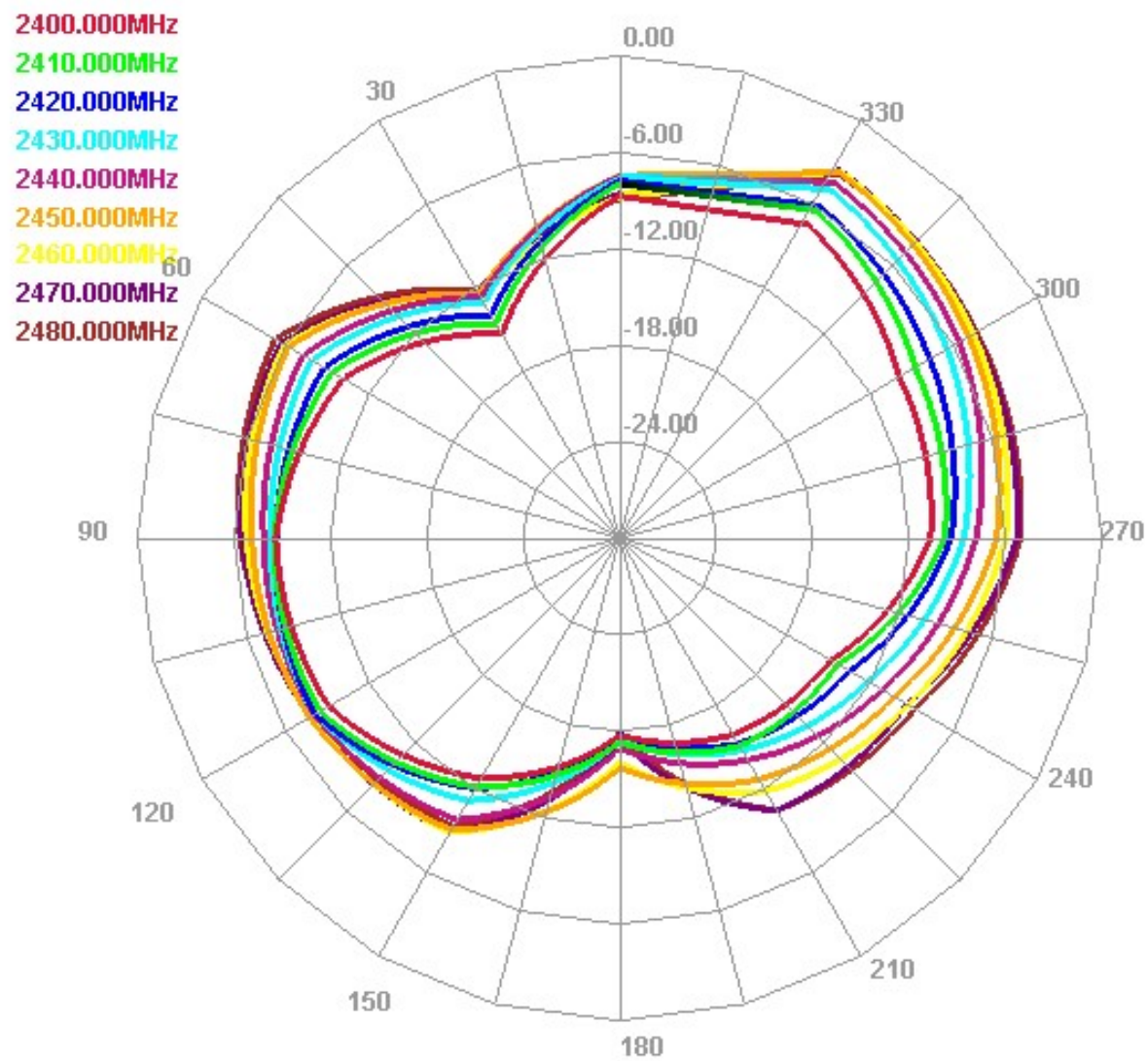
Horizontal



E1 Face



E2 Face



3、OTA test data

band	channel	TRP (dBm)	TIS (dBm)
Bluetooth BR	0	-0.1	-89.2
	39	2.7	-91.7
	78	1.7	-90.1