

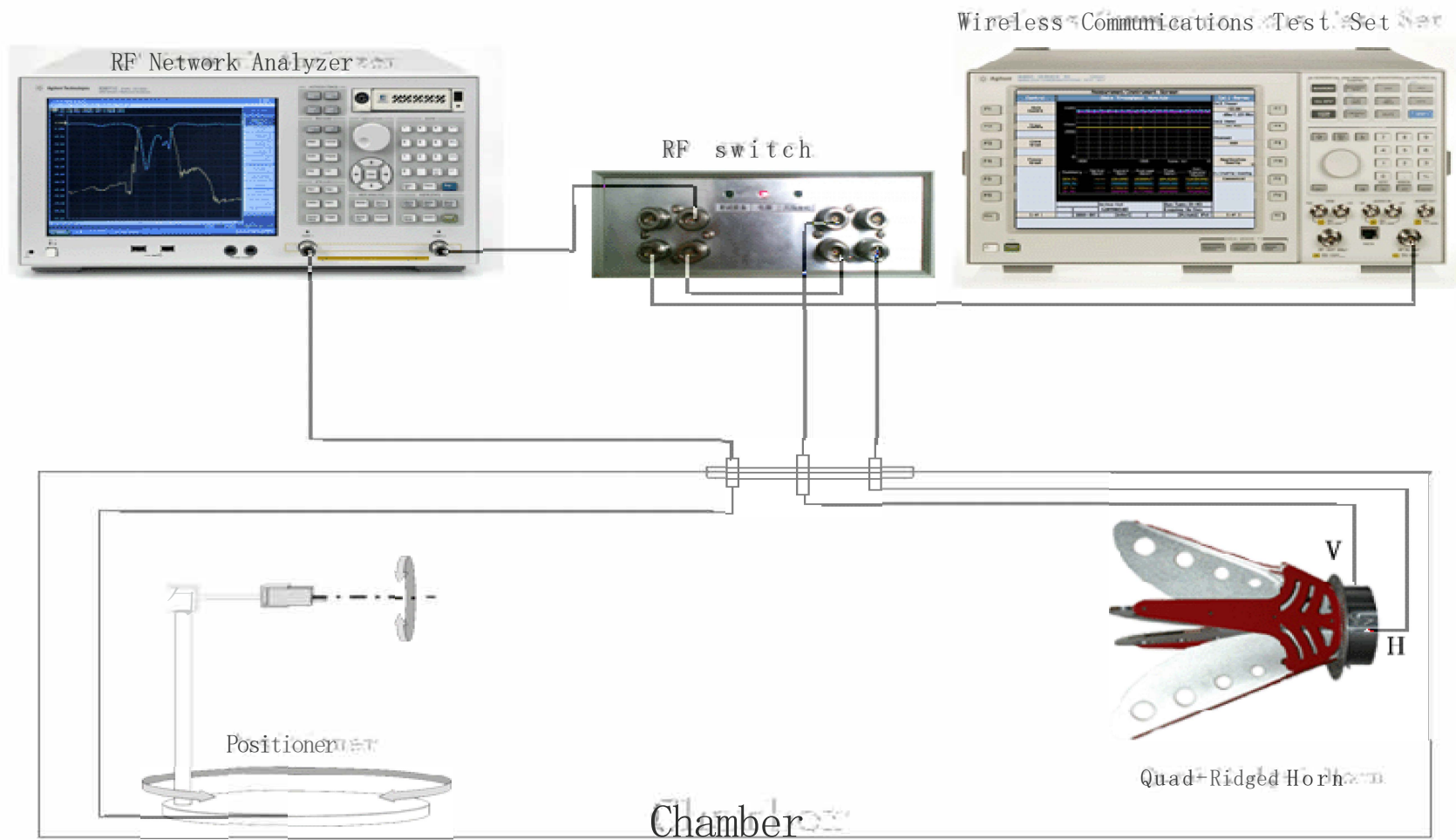
Shenzhen Aiteno Communication Equipment Co., LTD

Antenna Test Report

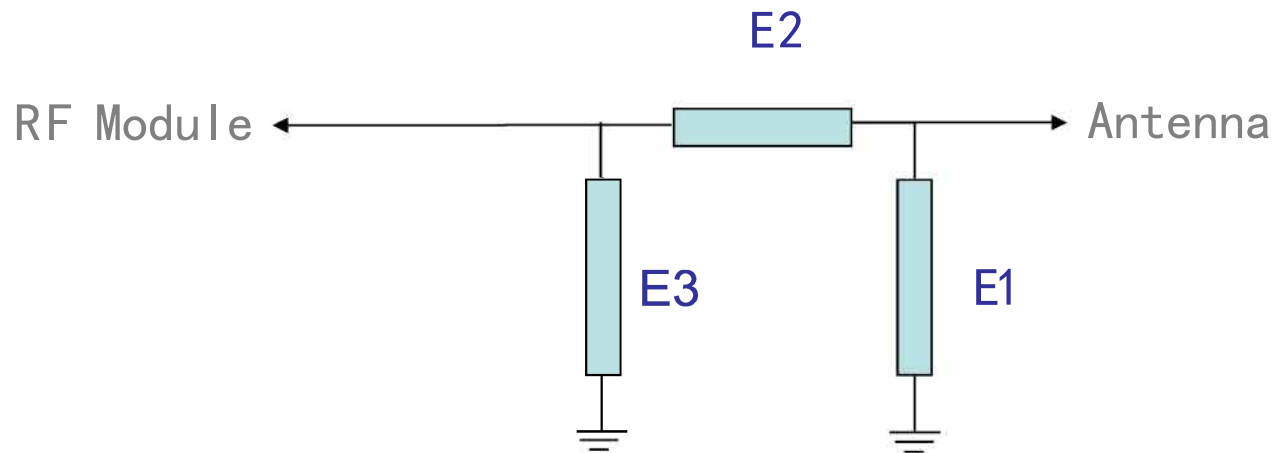
cliente:	Qian Chuang Wei	Project	VM02	Date	2025.08.27
frequency band	BT:2.4G				
Report version number	V1.0				
Antenna structure	BT:PCB Antenna				

Address: Room 504-505, Xiagu, Meisheng Chuanggu, Longchang
Road, Xin 'an Subdistrict, Bao 'an District, Shenzhen City
Telephone: 0755-29308863 Fax: 0755-29308861

Test System



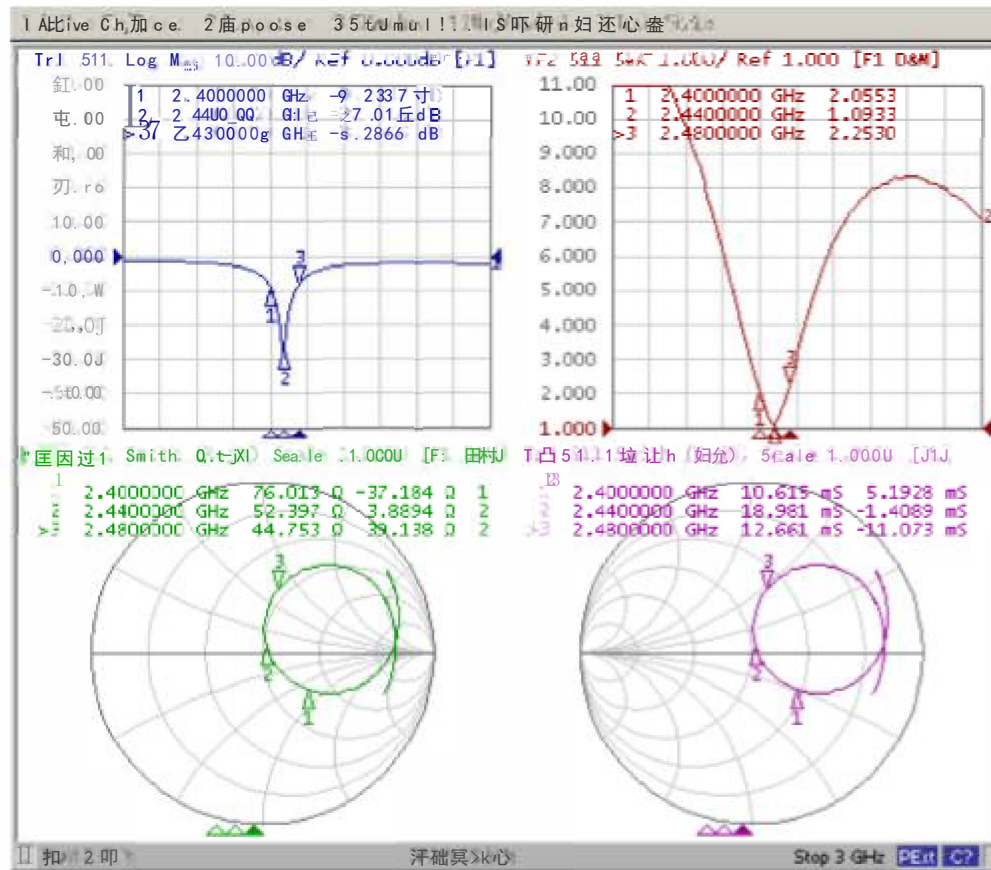
11、Antenna matching circuit(Bluetooth)



Element	Value
E1 (0201)	1.2pF
E2 (0201)	3.6nH
E3 (0201)	NC
Antenna Photo & Length(18mm*5mm)	

2.1 passive data(Bluetooth)

2.11 S11 Parameter



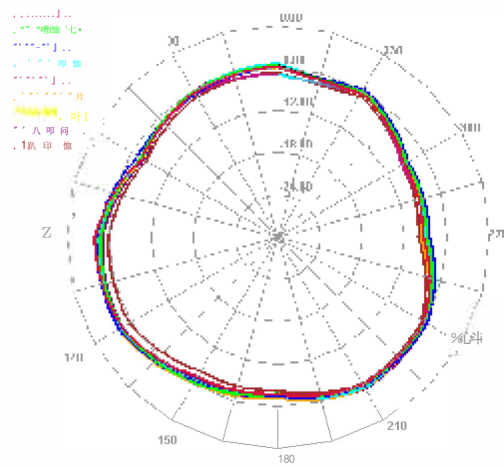
2. 1.2 Gain & Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	17.66	-7.53	-4.03
2410	18.2	-7.4	-4.42
2420	19.1	-7.19	-3.91
2430	18.32	-7.37	-4.17
2440	17.47	-7.58	-4.24
2450	18.17	-7.41	-3.93
2460	17.41	-7.59	-4.04
2470	16.68	-7.78	-4.26
2480	13.41	-8.72	-5.2

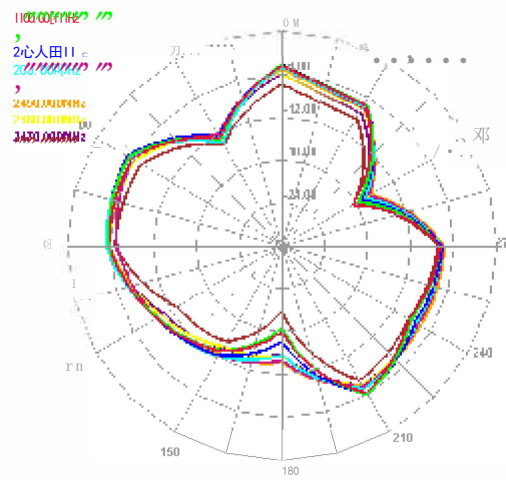
Etno Antenna

2. 1.3 Radiation pattern

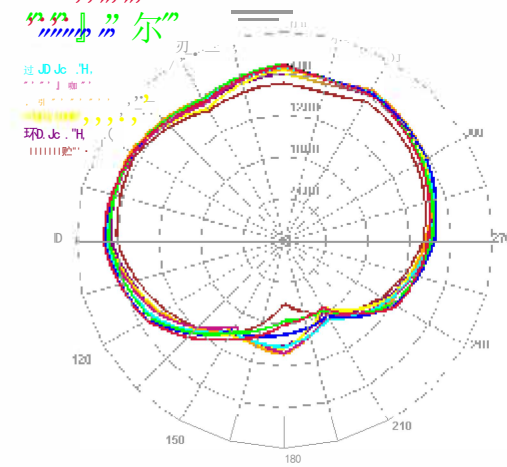
Horizonbl



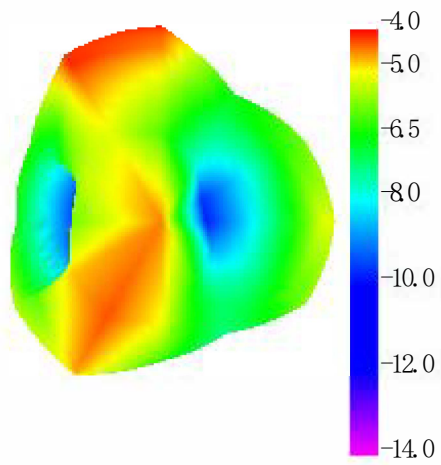
El Fae



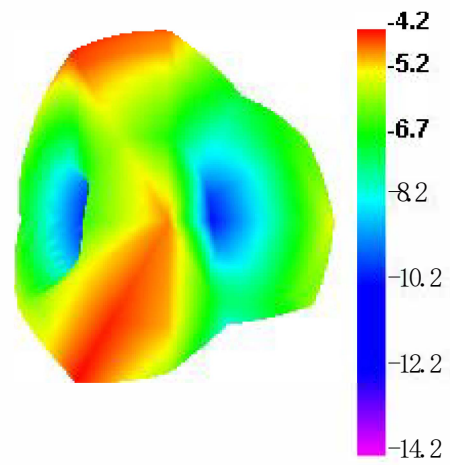
E2F



2400.000MHz



2440.000MHz



2480.000MHz

