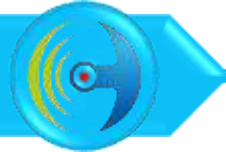




Professional antenna serviceprovider

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

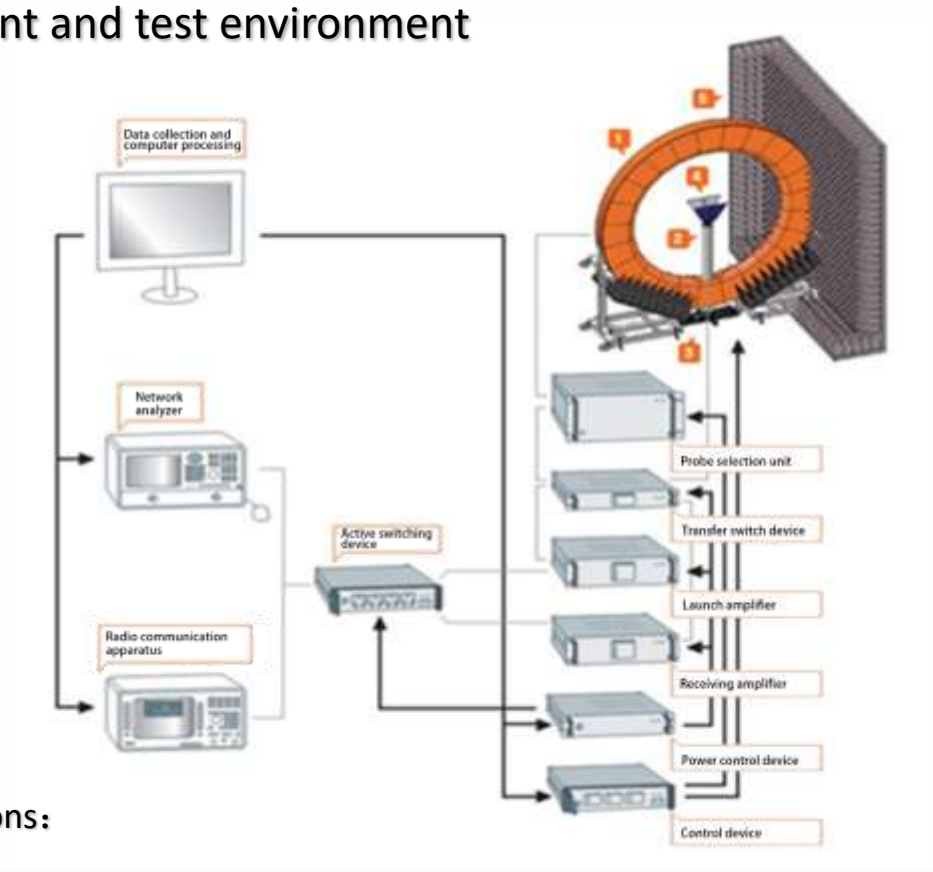


Antenna test report

Item model	
Antenna model	Built-in antenna
Testers	Xu Gaofu
Auditors	Xia Xingxi
Date	2025-8-15

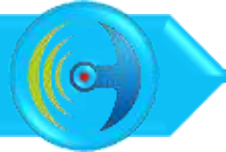


Test equipment and test environment

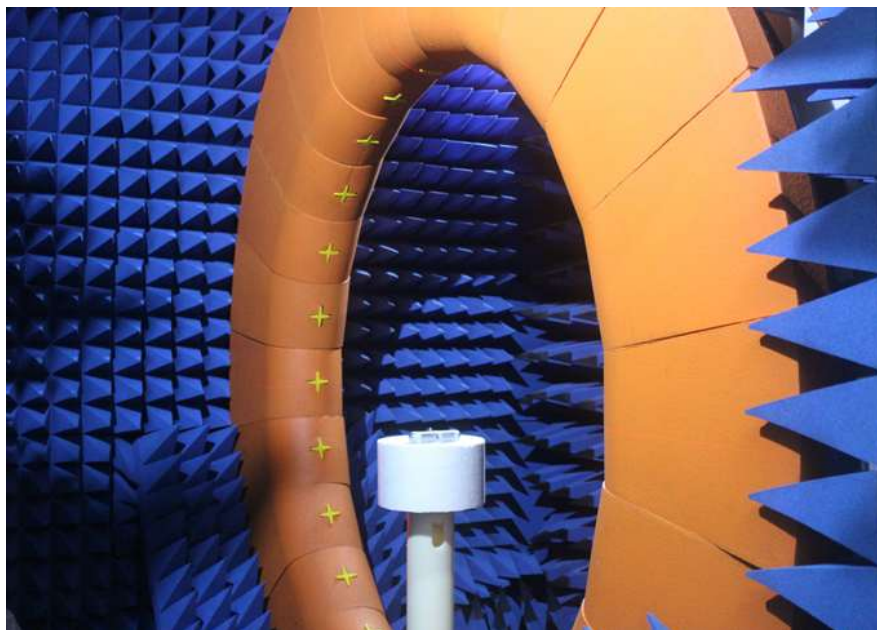


Test Environment Conditions:

RelativeHumidity	15 ... 75 %
Temperature	+10 ° C ~ +30 ° C
Voltage of the EUT	N/A



Test equipment



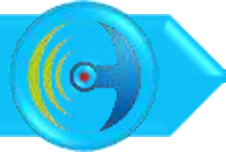
Probe microwave anechoic chamber

➤ Frequency Range : 0.4GHz-6GHz

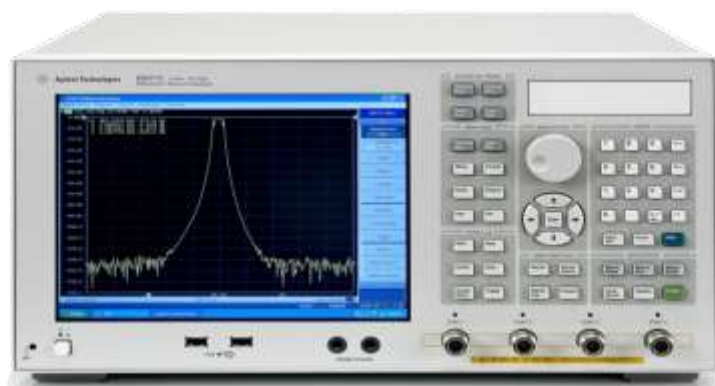
Main test indicators

- ◆ Passive indicators
- ◆ Gain
- ◆ effectiveness
- ◆ 3D pattern

- Active indicator
- TRP total radiated power
- TIS total receiving sensitivity



Test equipment



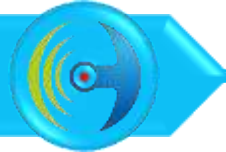
Agilent E5071C Vector network analyzer

- Frequency Range : 300 kHz - 8.5GHz



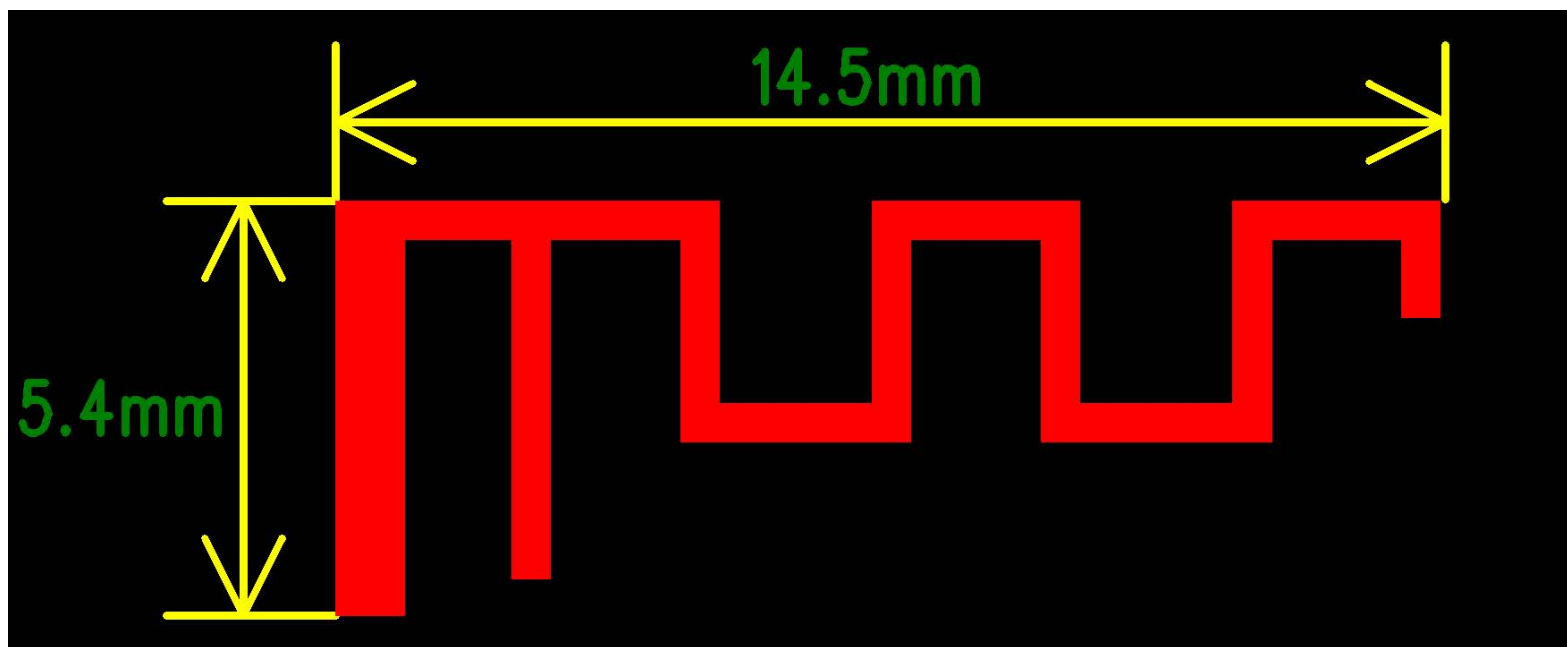
R&S CMW500 Broadband wireless communication tester

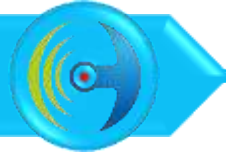
- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT



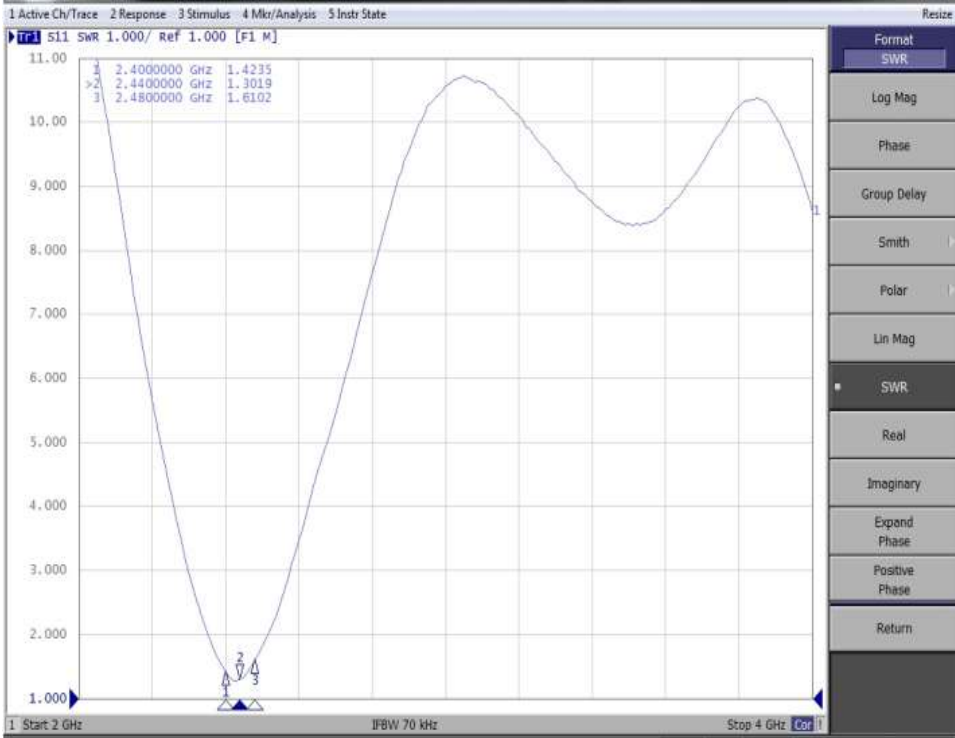
Antenna type : on-board antenna

manufacturer : Shenzhen Yixin Circuit Board Co., Ltd.

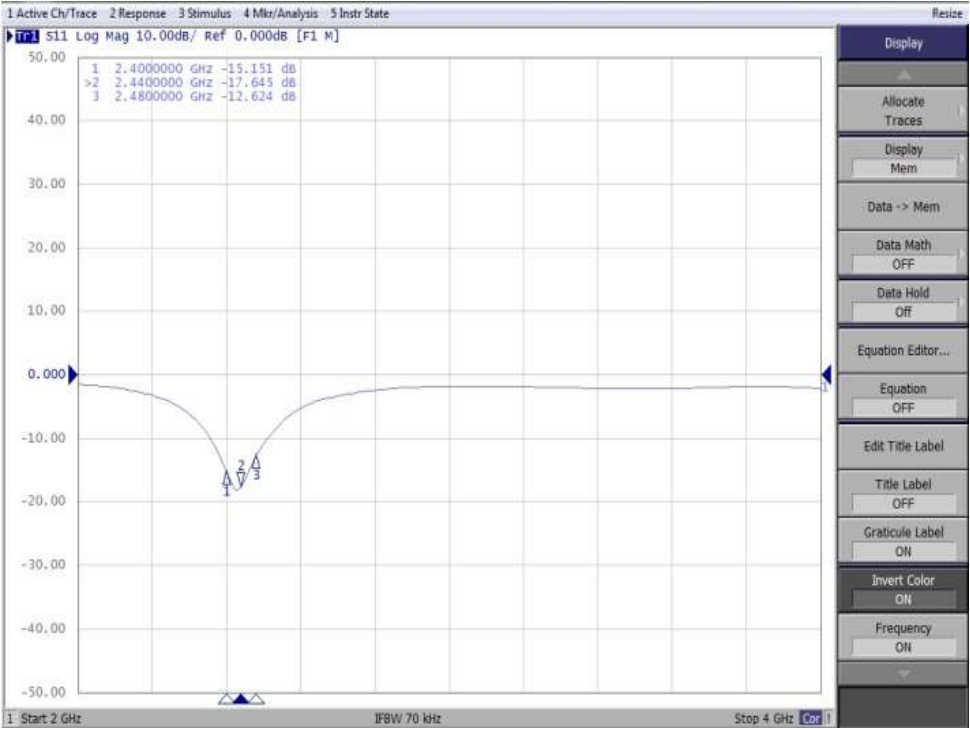




Antenna SWR



Antenna Return loss



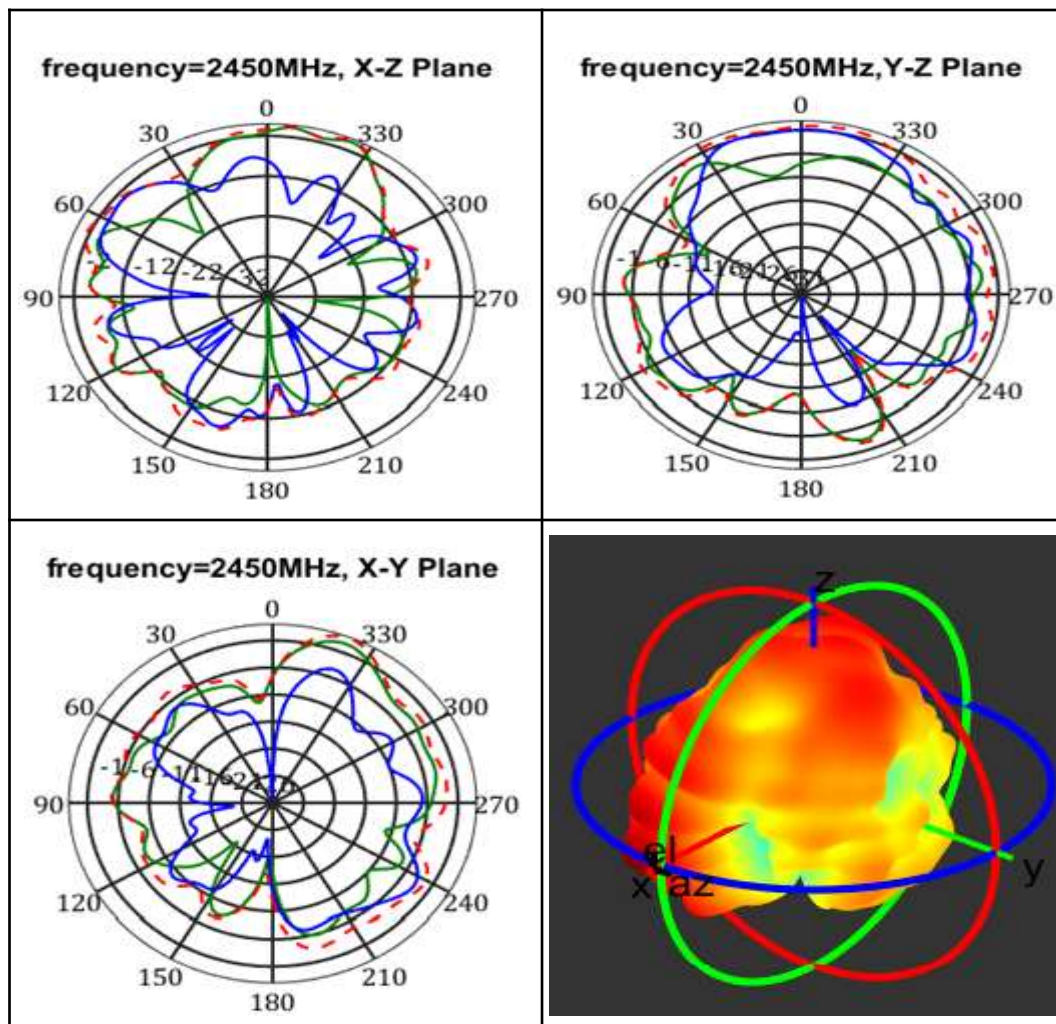
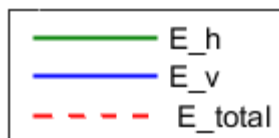


Antenna gain and efficiency

Antenna		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	30.84	0.68
2410	31.33	0.72
2420	32.39	0.76
2430	34.48	0.78
2440	34.11	0.83
2450	35.24	0.95
2460	35.82	0.87
2470	34.50	0.88
2480	33.78	0.81
2490	32.84	0.74
2500	30.56	0.67



Antenna Radiation Pattern



Thanks for your support!

TEL:(86)755-23035723. FAX:0755-23036702

E-mail:ant001@fmant.cn

ADD: 303, building C,GUSHU Hengnan Road,Xixiang,Baoan district Shenzhen