



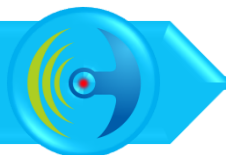
Professional antenna serviceprovider

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

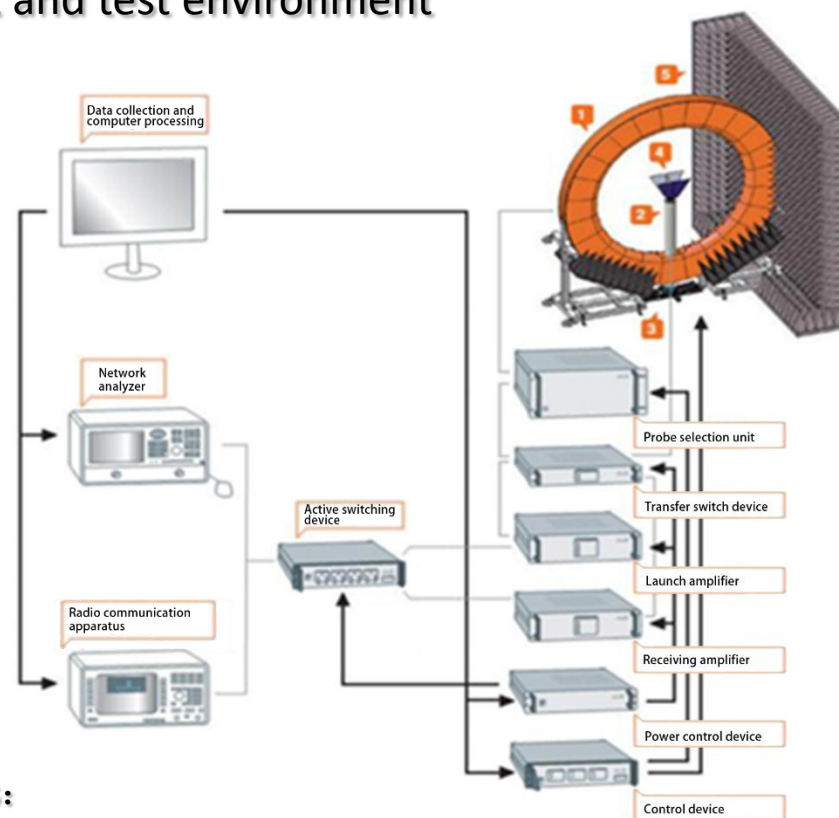


Antenna test report

Item model	<u>SY68H 2.1</u>
Antenna model	<u></u>
Testers	<u>Gao fu Xu</u>
Auditors	<u>Xing xi Xia</u>
Date	<u>2023-11-21</u>

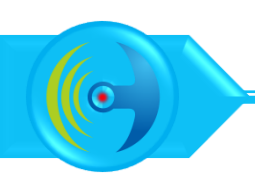


Test equipment and test environment

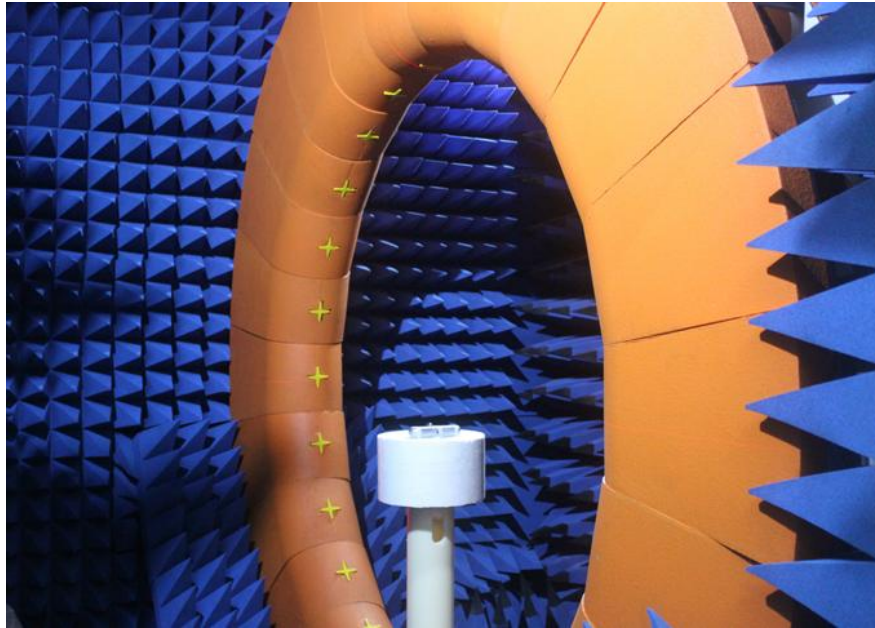


Test Environment Conditions:

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



Test equipment



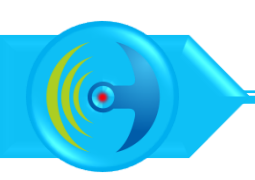
Probe microwave anechoic chamber

➤ Frequency Range : 0.4GHz-6GHz

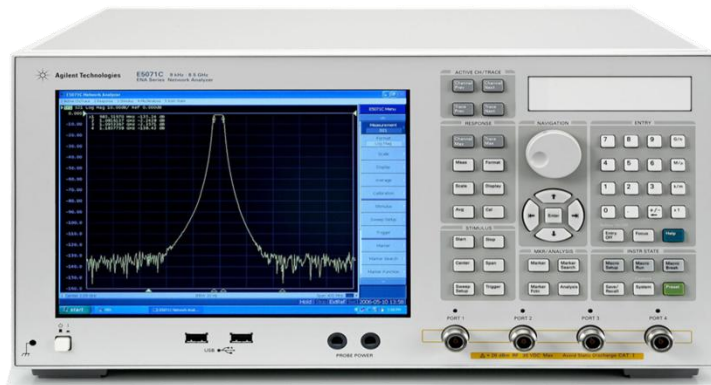
Main test indicators

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

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



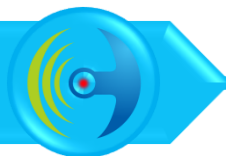
Test equipment



Agilent E5071C Vector network analyzer
➤ Frequency Range : 300 kHz - 8.5GHz

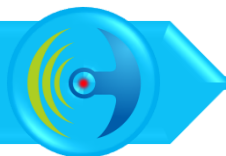


R&S CMW500 Broadband wireless communication tester
➤ GSM/3G/4G
➤ WIFI/ Bluetooth
➤ NB-IoT



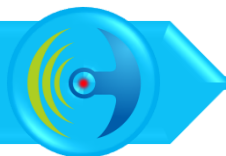
Test photos



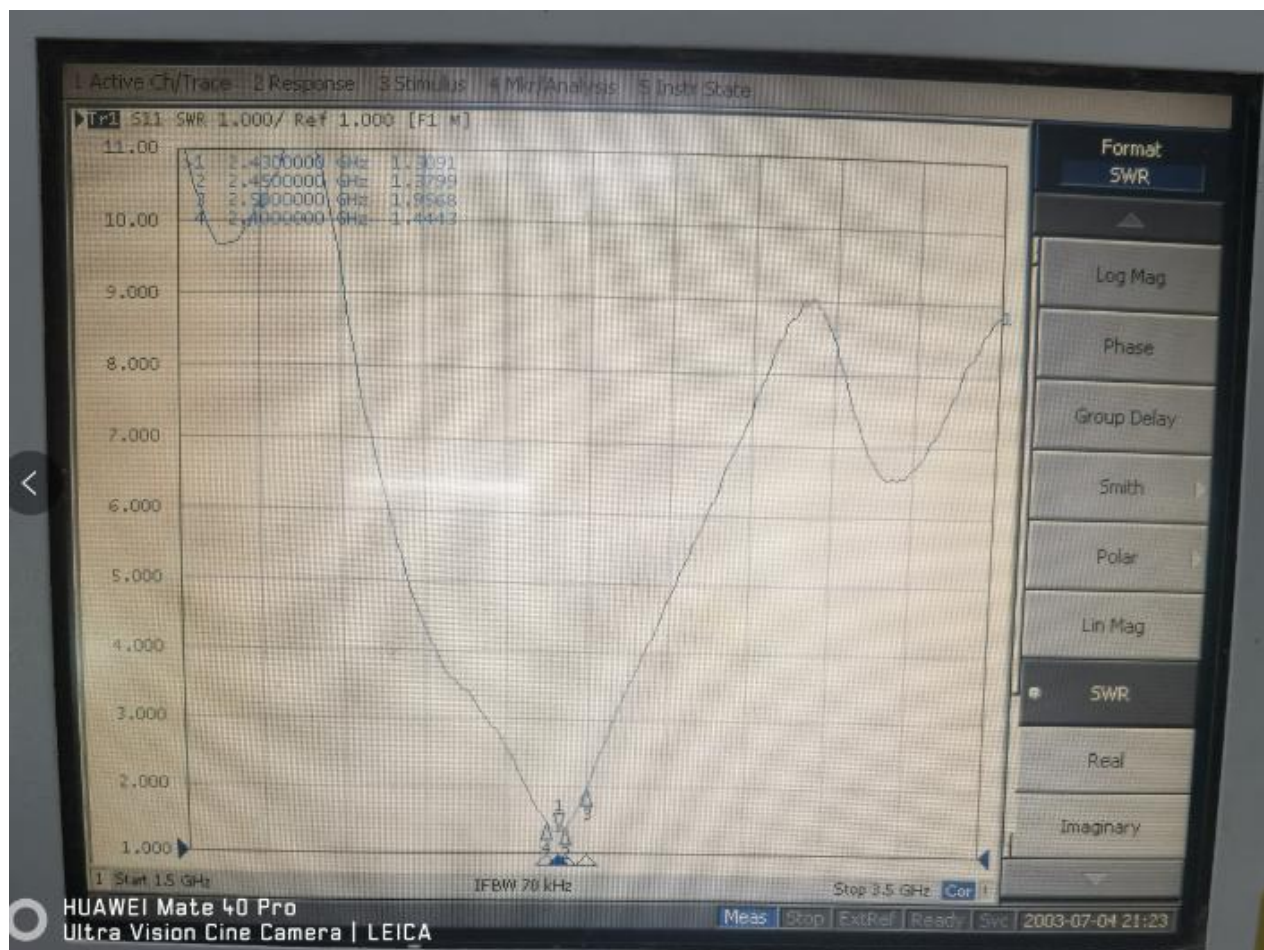


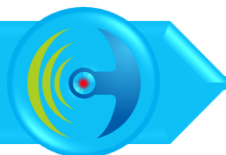
Passive antenna data



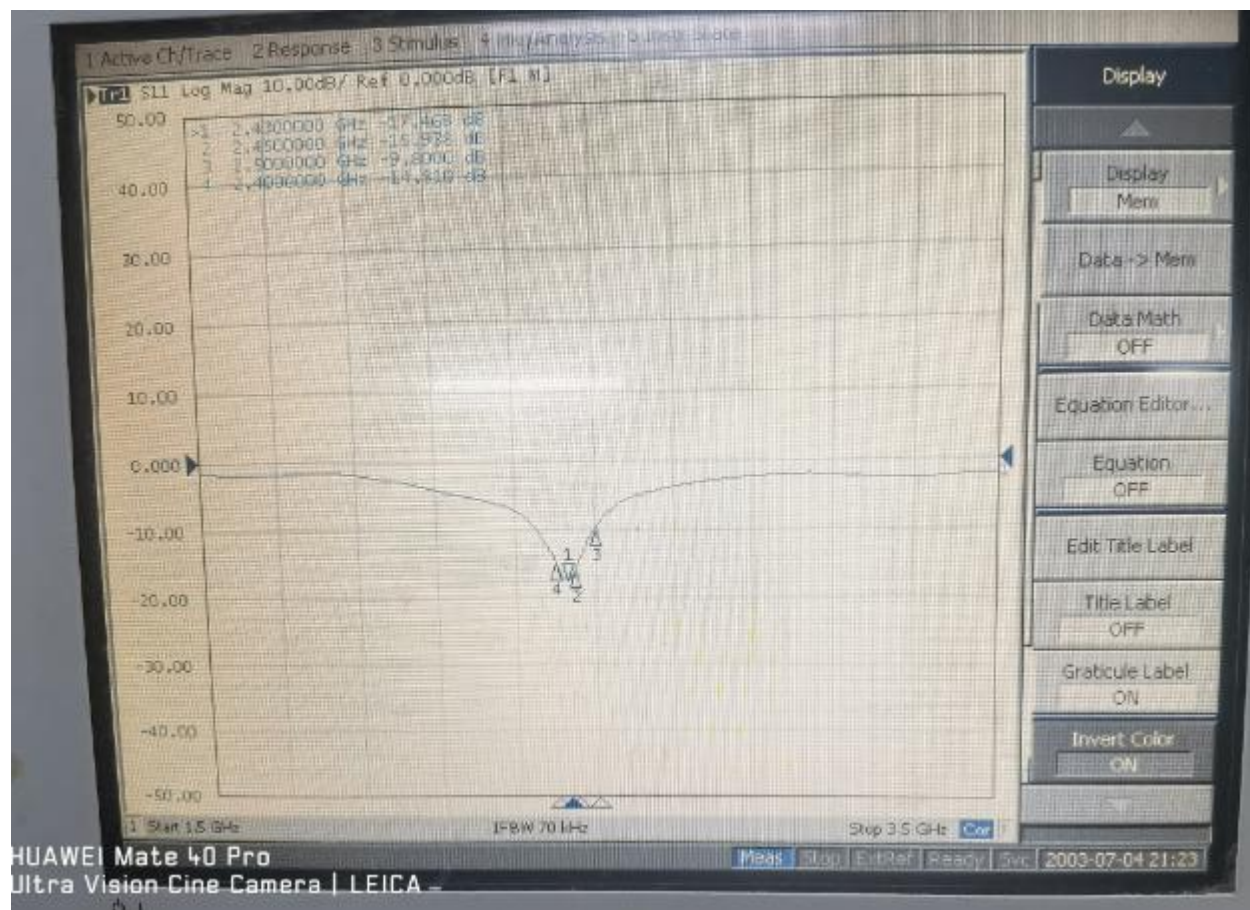


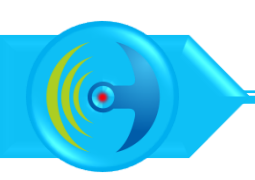
Antenna SWR





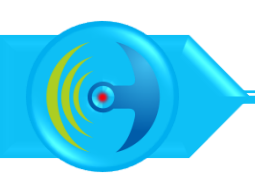
Antenna Return loss



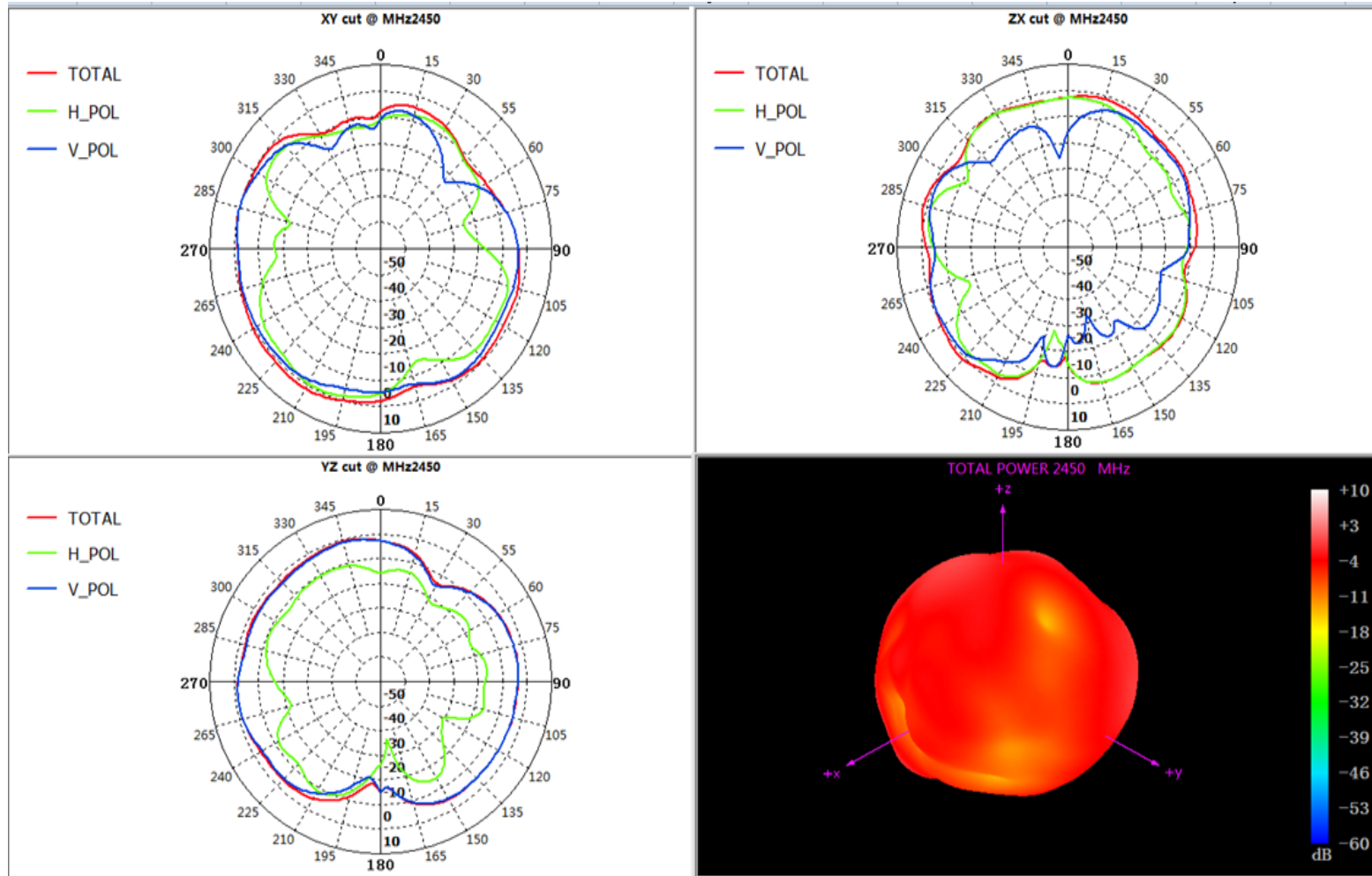


Antenna gain and efficiency

Antenna		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	46.32	2.91
2410	48.68	2.27
2420	49.42	2.88
2430	49.01	2.84
2440	47.17	2.68
2450	46.39	2.48
2460	45.53	2.35
2470	44.87	2.32
2480	44.24	2.39
2490	44.16	2.68
2500	43.13	2.93



Antenna Radiation Pattern



Thanks for your support !

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