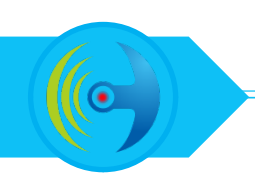


Professional Antenna Service Provider

Shenzhen Feimin Technology Co., LTD
SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.



Antenna Test Report

Antenna test report

Project model _____ TimesFrame _____ Ante-

nna type _____ test _____ Xu Gaofu _____

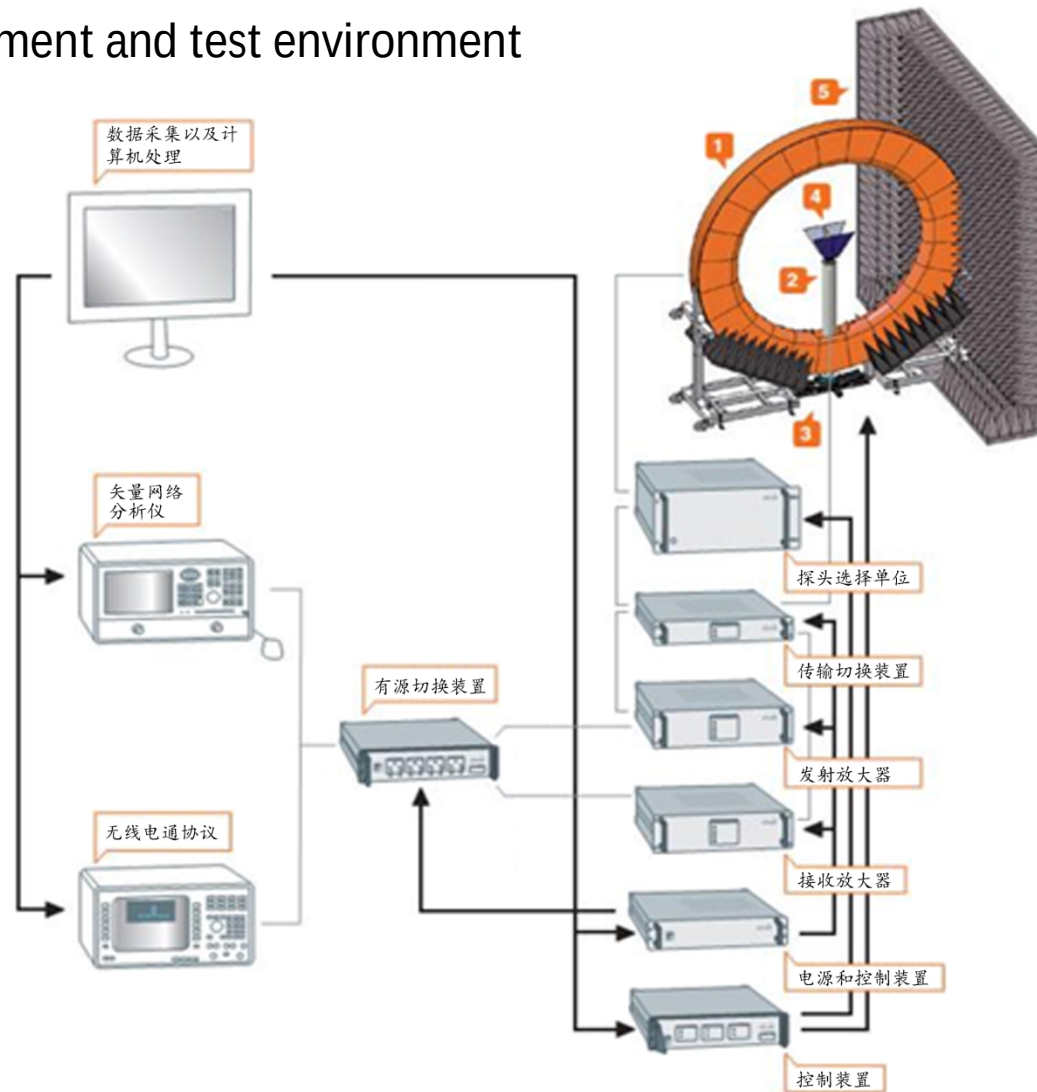
examine and verify _____ Xia Xingxi _____

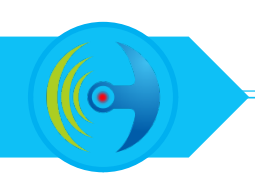
date _____ 2025-3-22 _____



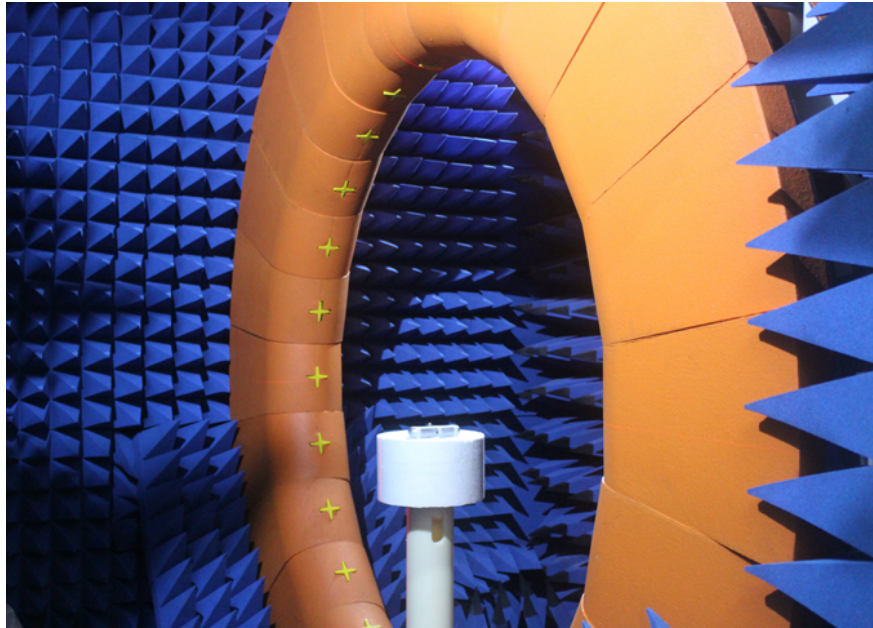
Test equipment and test environment

Test equipment and test environment





testing facility
Test equipment



Probe microwave anechoic chamber

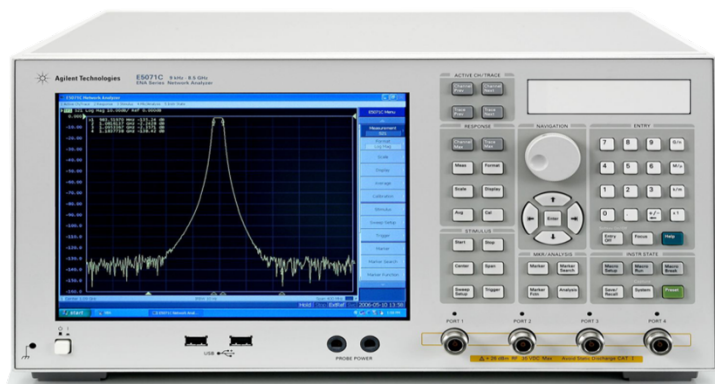
➤ Frequency: 0.4GHz to 6GHz

Key Test Indicators

- ◆ Indicators of non-ownership
 - ◆ gain
 - ◆ productiveness
 - ◆ 3D direction chart
-
- Source indicators
 - TRP total radiant power
 - TIS total receiving sensitivity



testing facility Test equipment



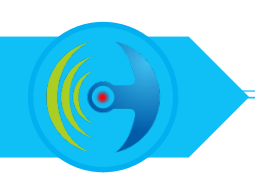
Agilent E5071C vector network analyzer

➤ Frequency: 300 kHz to 8.5GHz



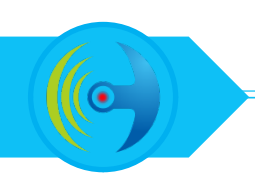
R&S CMW500 broadband wireless communication tester

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

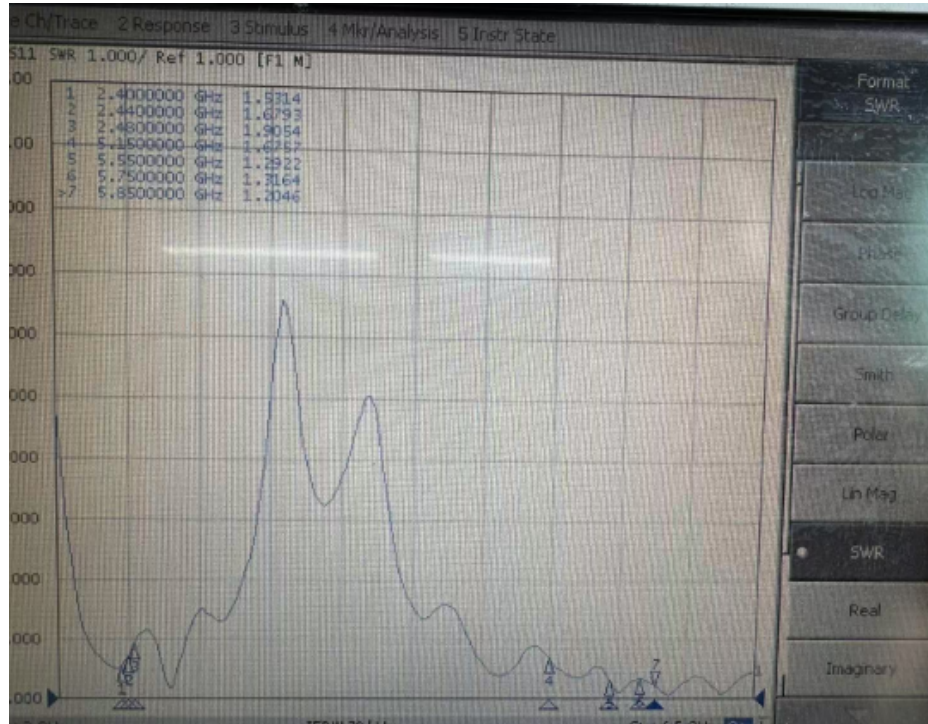


Test Photo
Test Photo

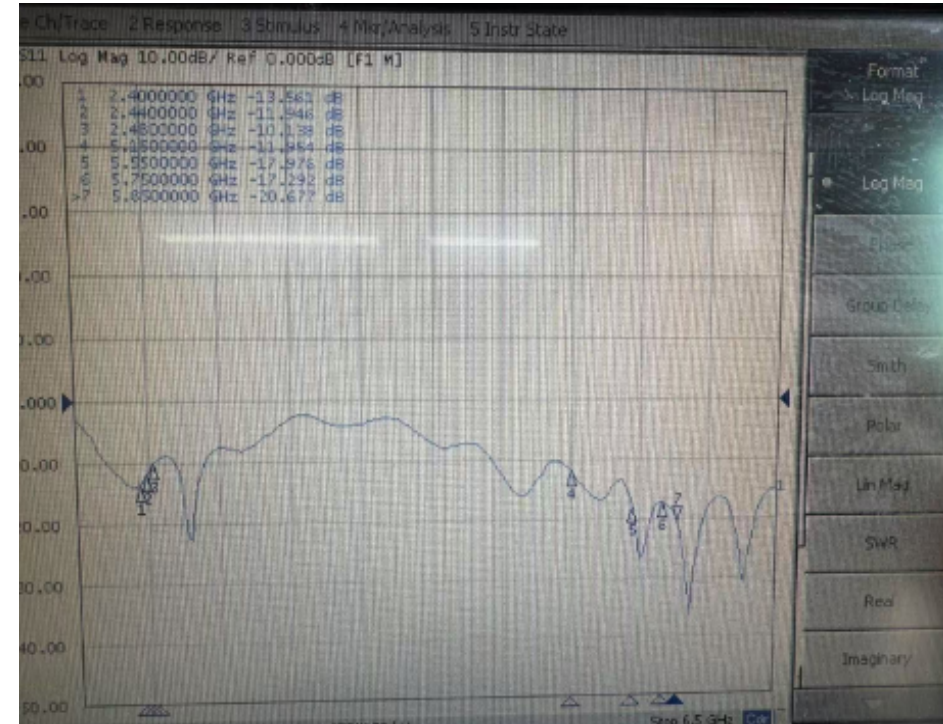


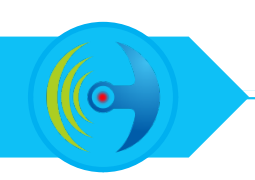


Antenna
SWR



Antenna return loss
Antenna Return loss

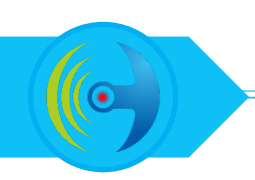




Antenna gain and efficiency
Antenna gain and efficiency

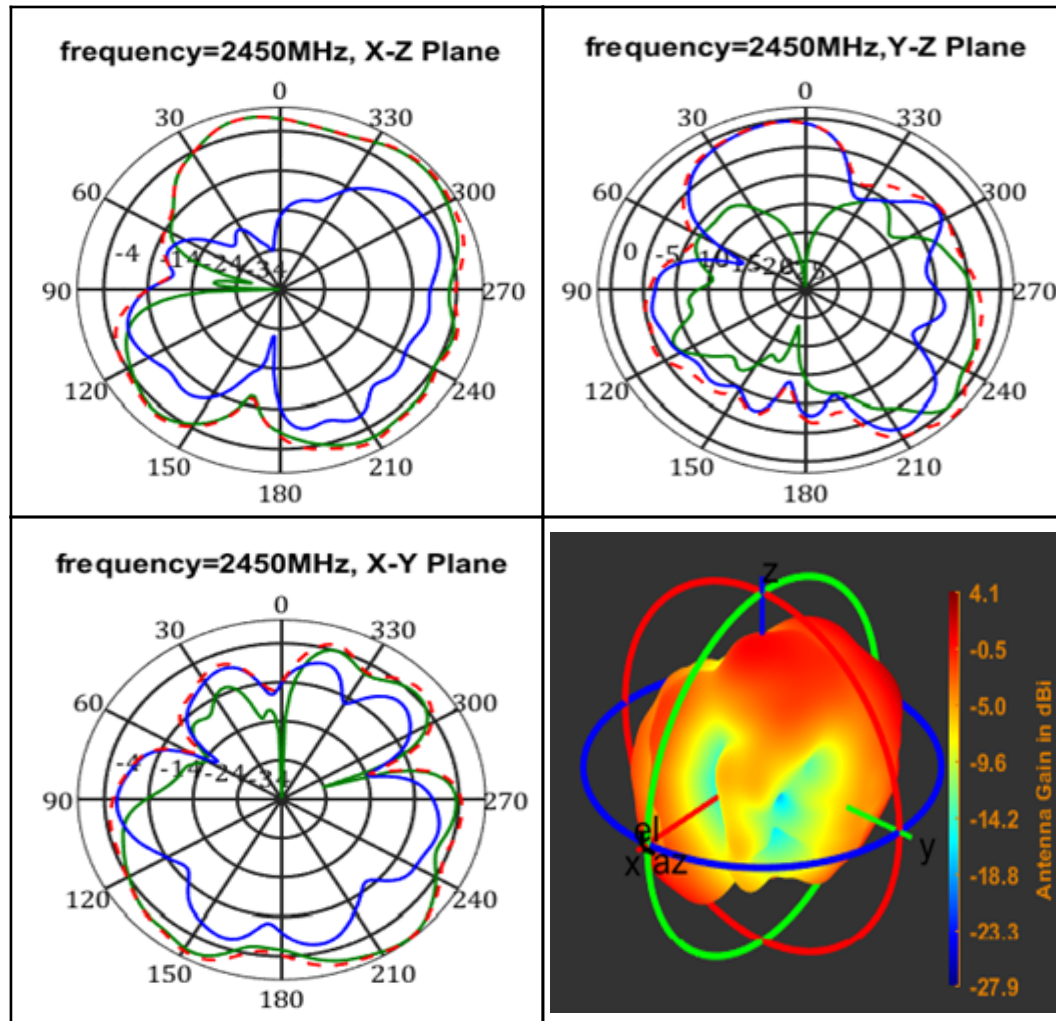
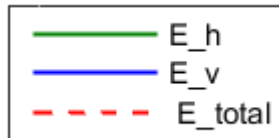
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	38.42	2.63
2410	39.44	2.75
2420	40.55	2.81
2430	41.32	2.88
2440	42.29	2.98
2450	42.26	3.36
2460	41.89	3.02
2470	41.40	2.92
2480	40.56	2.81
2490	39.84	2.78
2500	39.65	2.72

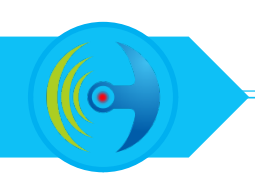
Freq(MHz)	Efficiency (%)	Gian(dBi)
5150	43.82	3.56
5200	44.09	3.44
5250	44.75	3.36
5300	45.52	3.35
5350	46.76	3.92
5400	48.47	4.06
5450	49.13	3.99
5500	51.20	3.90
5550	52.02	3.81
5600	51.11	3.86
5650	49.75	3.75
5700	48.63	3.66
5750	47.89	3.79
5800	46.99	3.64
5850	45.78	3.75



radiation pattern

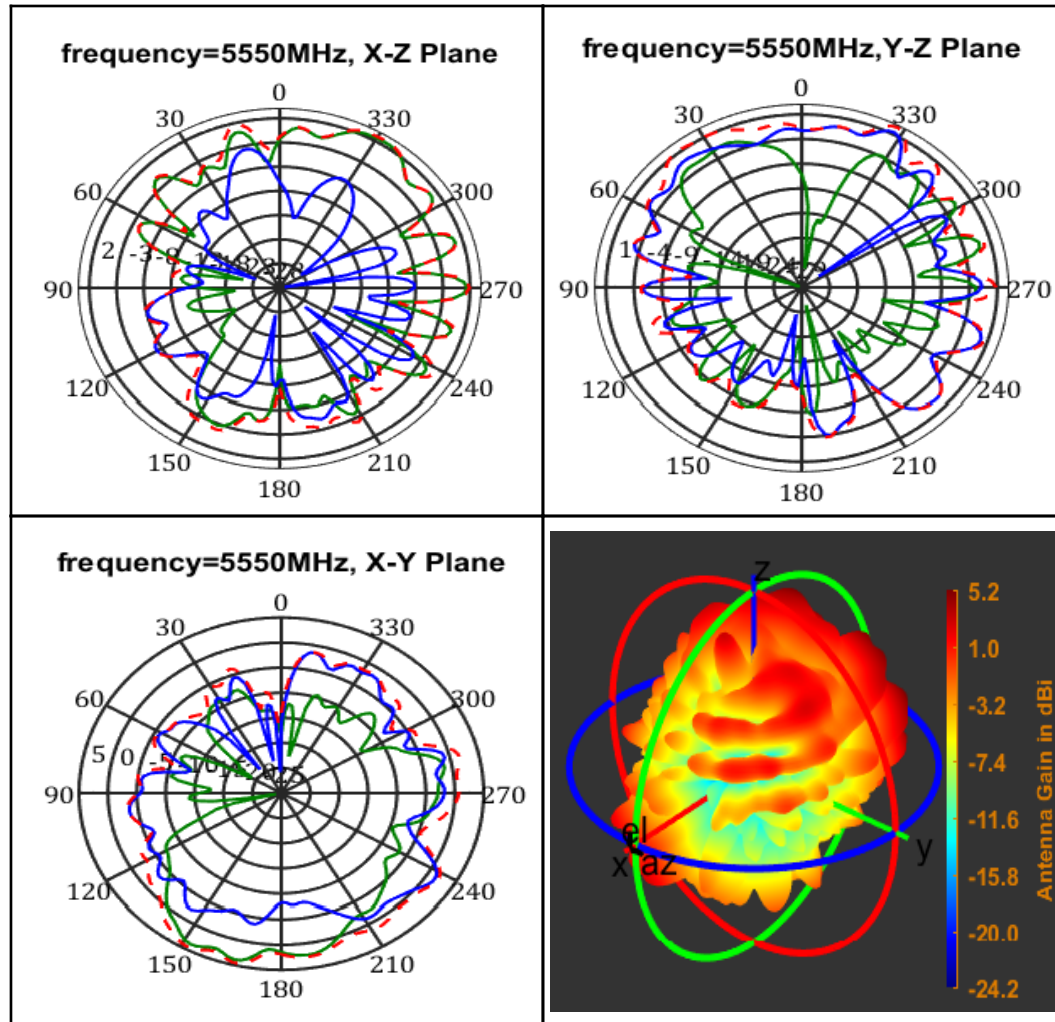
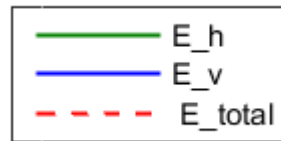
Antenna Radiation Pattern

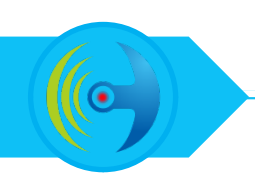




radiation pattern

Antenna Radiation Pattern





OTA Active data (TIS,
TRP)

OTA test data			
pattern (mode)	Channel	TRP	TIS
802.11b 11Mbps	CH 1	14. 69	-83. 51
	CH 6	15. 62	-83. 74
	CH 11	16. 15	-84. 19
802.11a 54Mbps	CH 36	12. 74	-69. 28
	CH 149	13. 11	-70. 06
	CH 165	13. 66	-69. 83

Thanks for your support!
Thank You for Your Support !

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