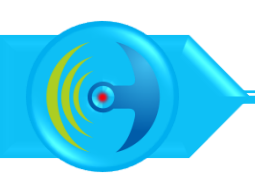




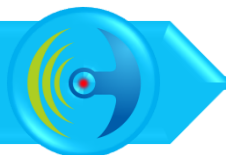
Professional antenna serviceprovider

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

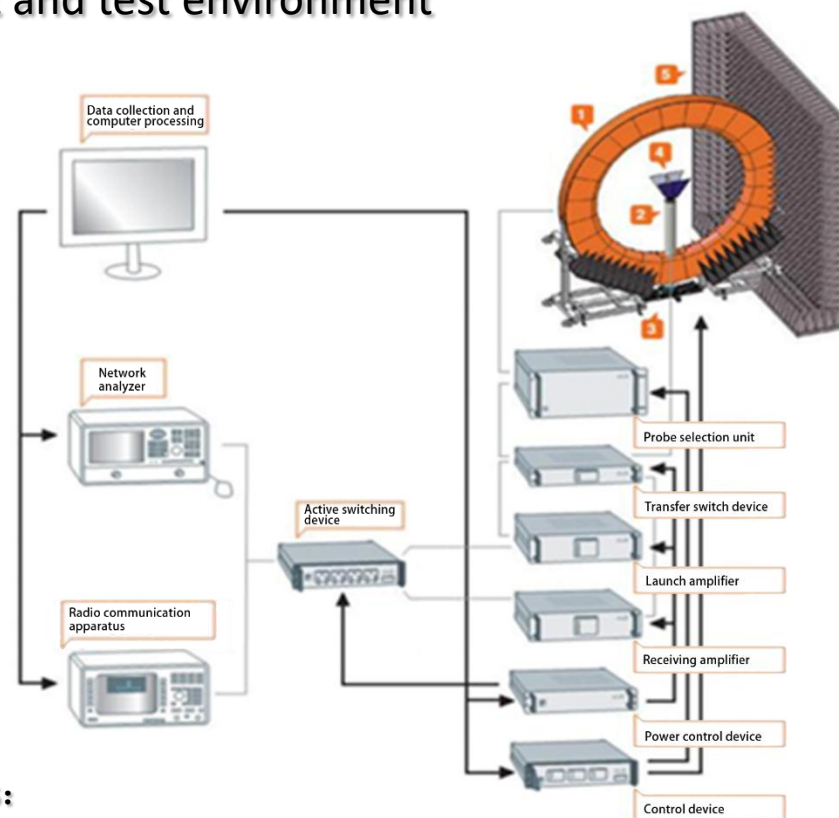


Antenna test report

Item model	
Antenna model	
Testers	Xu Gaofu
Auditors	Zhu Jifei
Date	2025-12-15

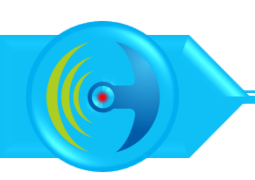


Test equipment and test environment

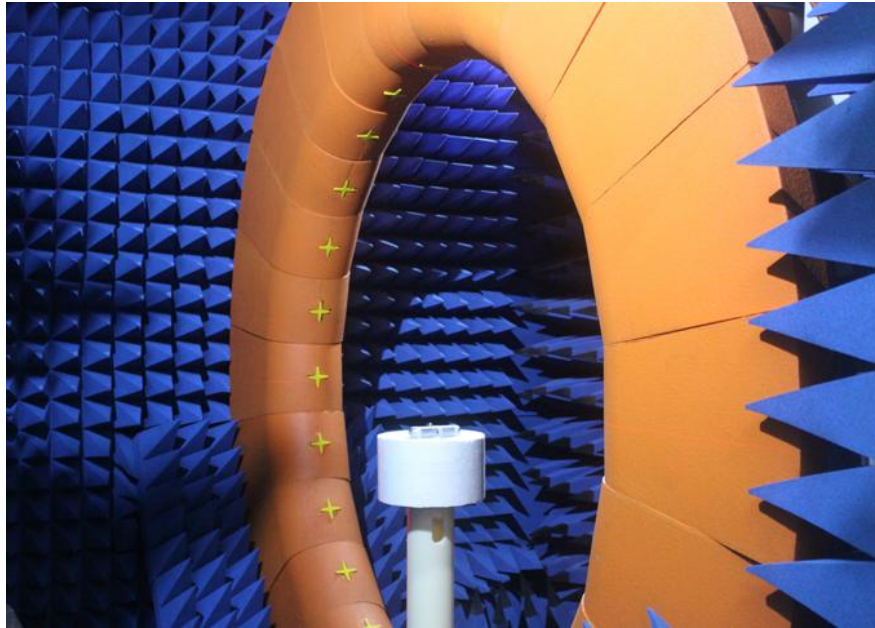


Test Environment Conditions:

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



Test equipment



Probe microwave anechoic chamber

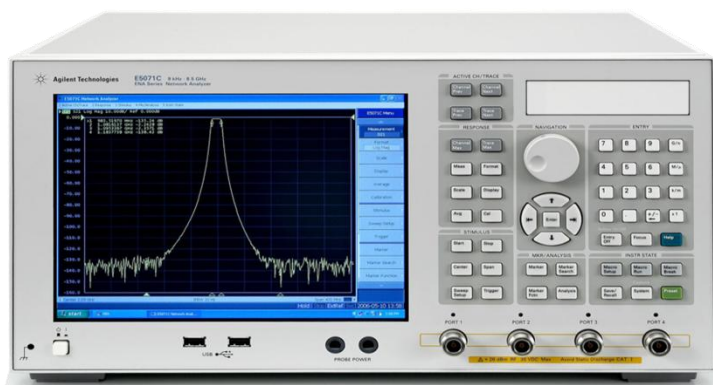
➤ Frequency Range : 0.4GHz-6GHz

Main test indicators

- ◆ Passive indicators
 - ◆ Gain
 - ◆ effectiveness
 - ◆ 3D pattern
-
- Active indicator
 - TRP total radiated power
 - TIS total receiving sensitivity



Test equipment



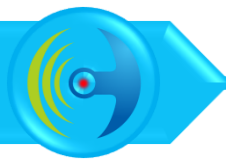
Agilent E5071C Vector network analyzer

- Frequency Range : 300 kHz - 8.5GHz



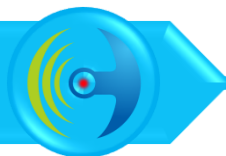
R&S CMW500 Broadband wireless communication tester

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

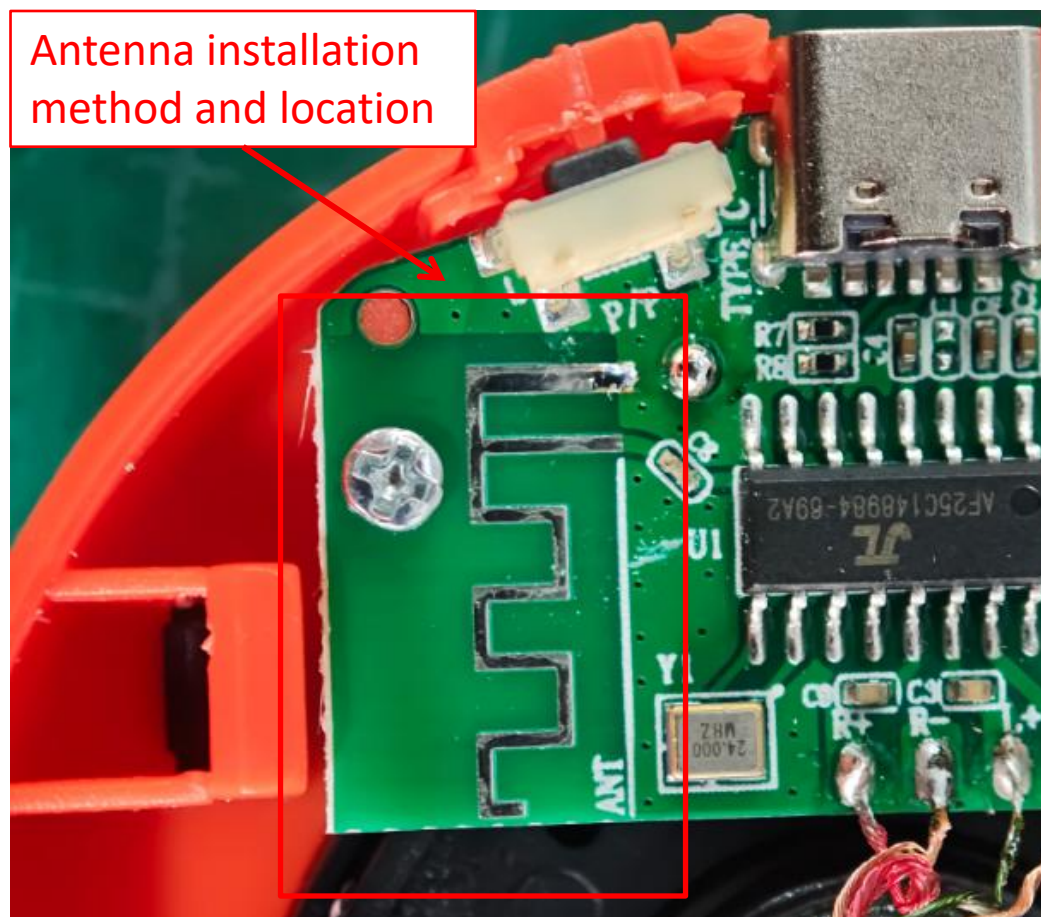


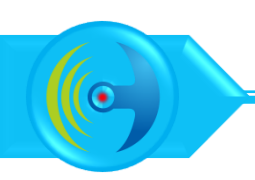
Test photos



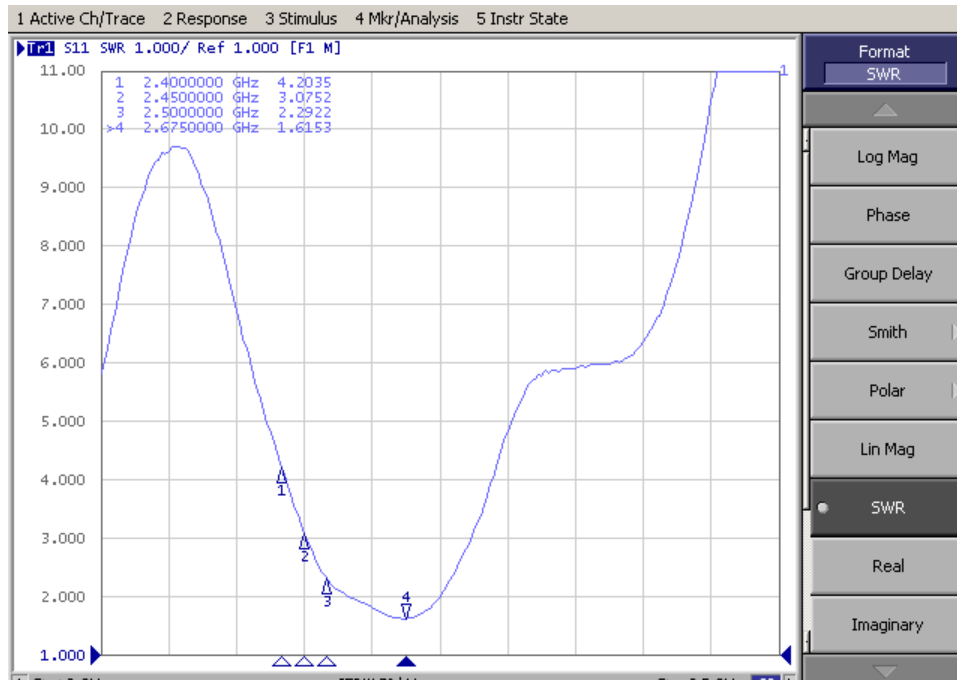


Passive antenna data

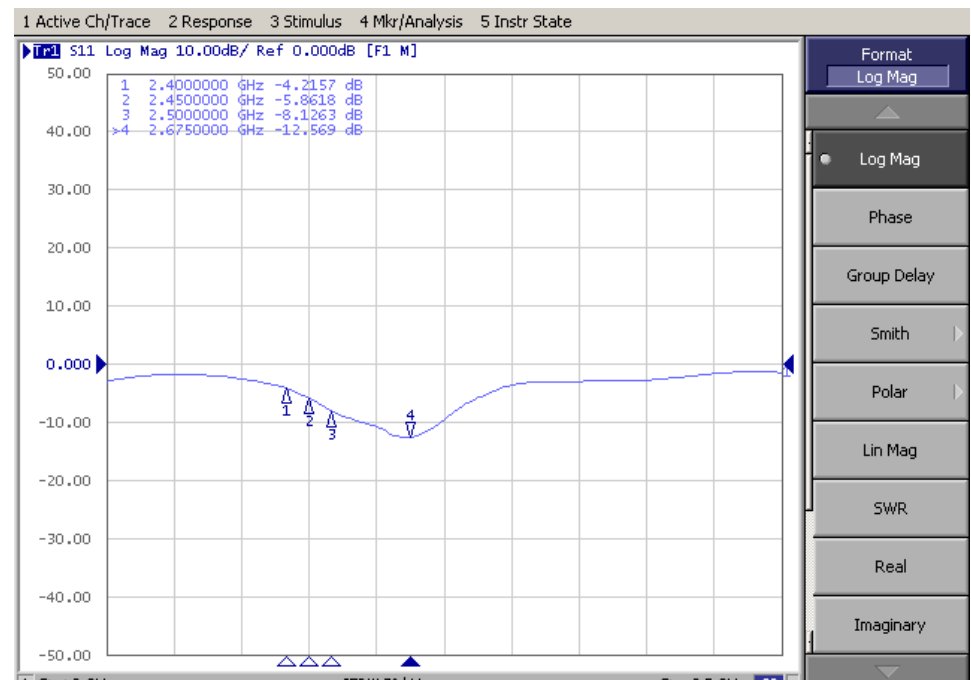




Antenna SWR

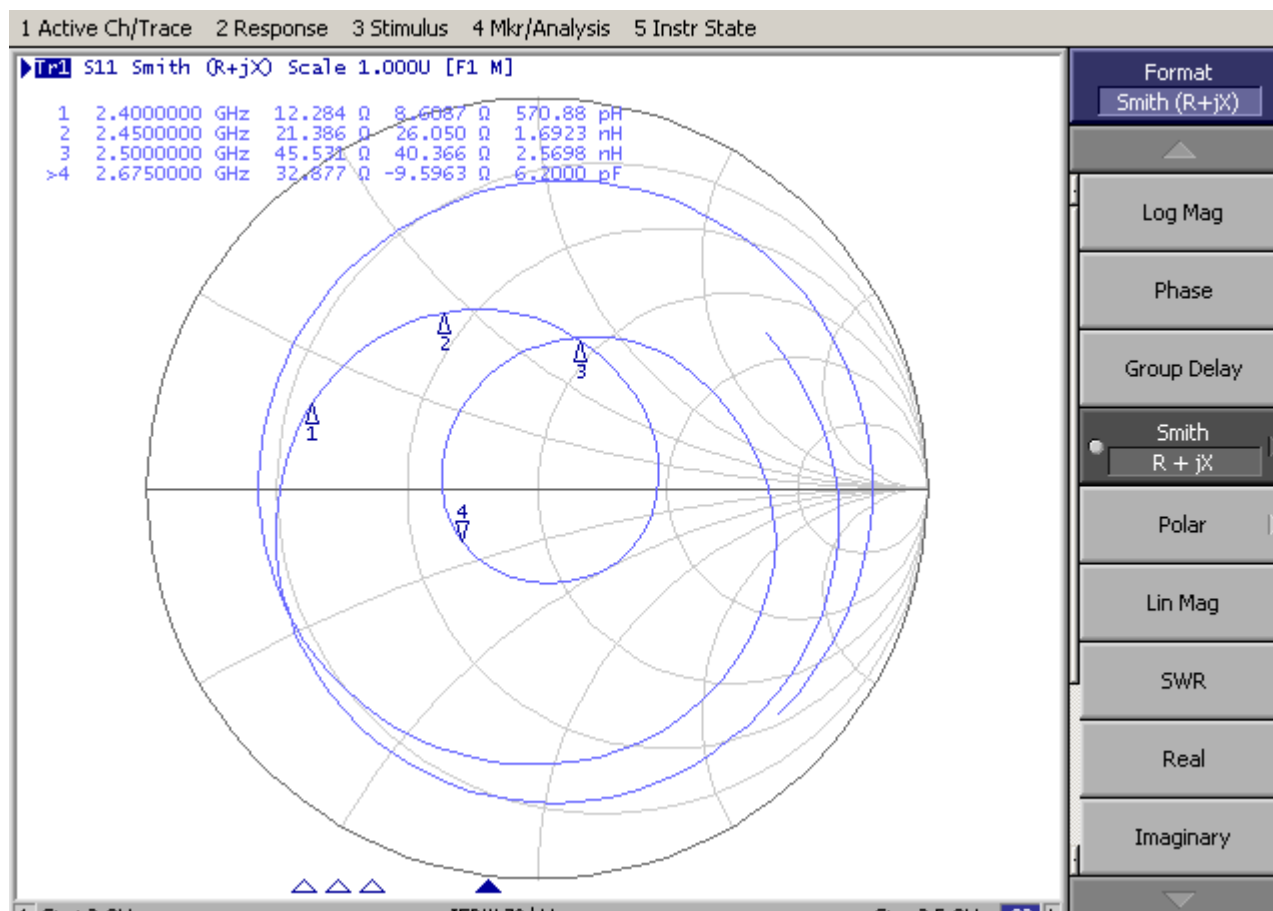


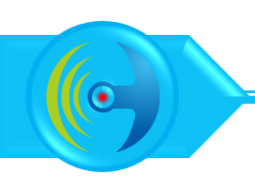
Antenna Return loss





Smith



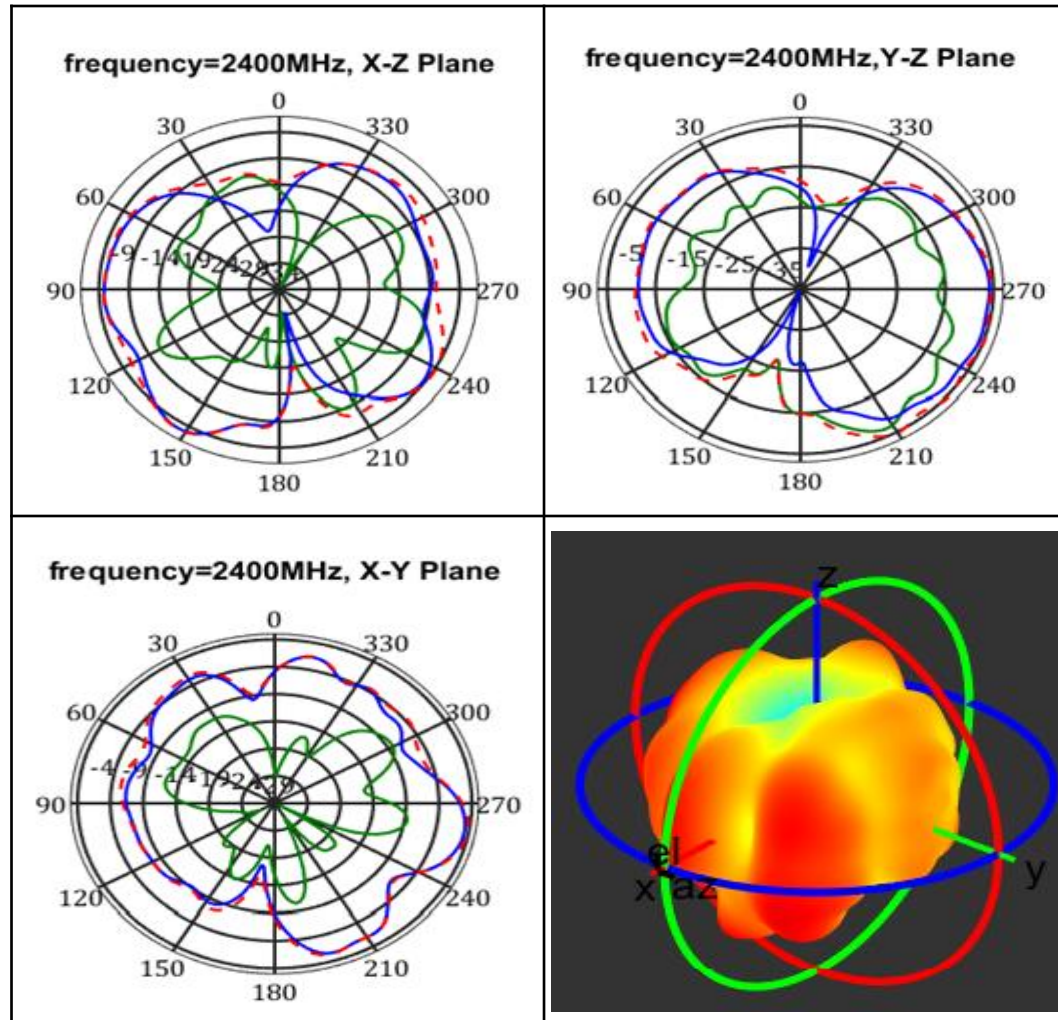


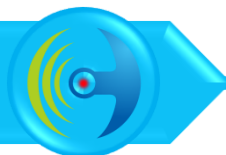
Antenna gain and efficiency

Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	10.42	-3.02
2410	11.36	-2.73
2420	12.81	-2.18
2430	14.60	-1.66
2440	15.76	-0.98
2450	16.44	-0.55
2460	17.85	-0.02
2470	18.81	0.36
2480	20.34	0.84

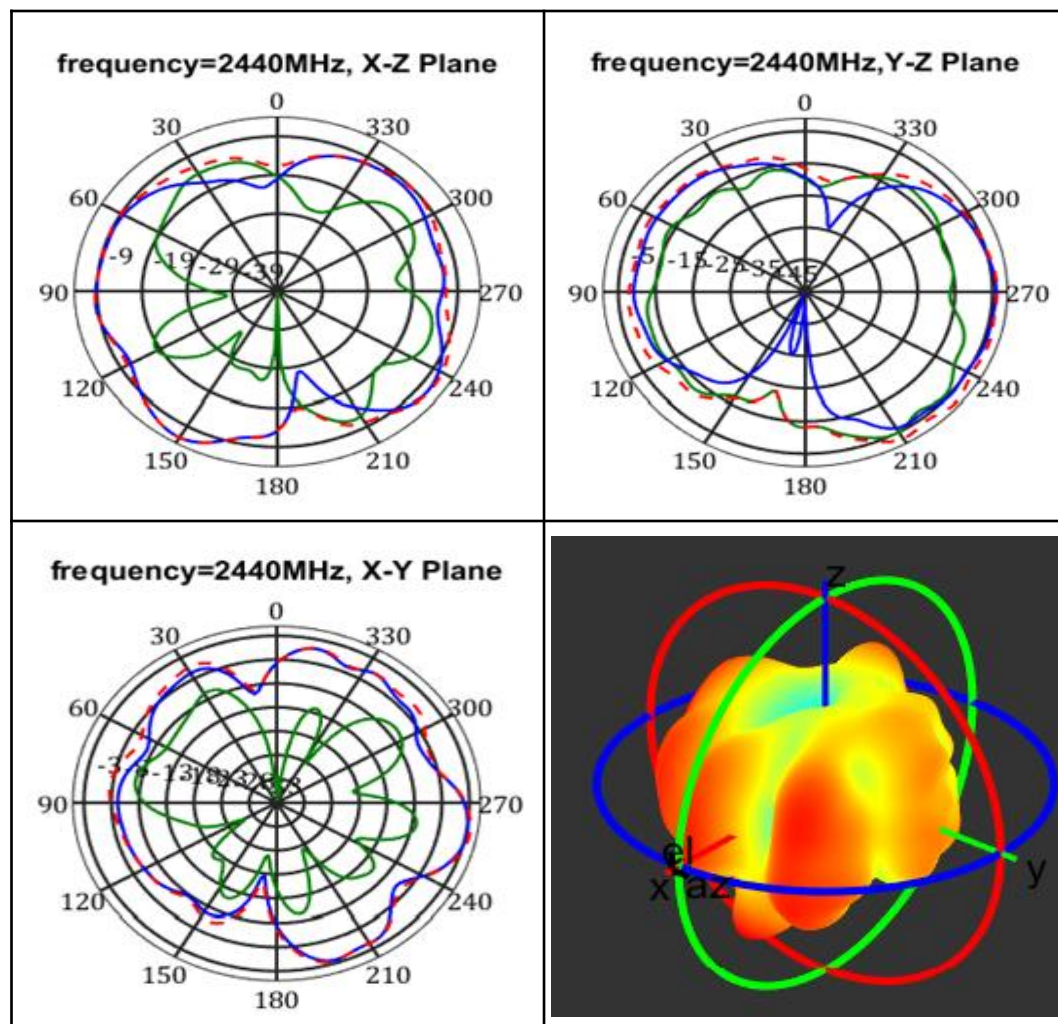
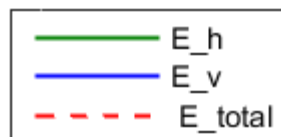


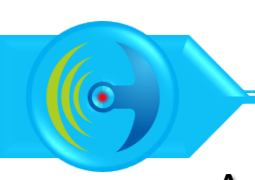
— E_h
— E_v
--- E_{total}



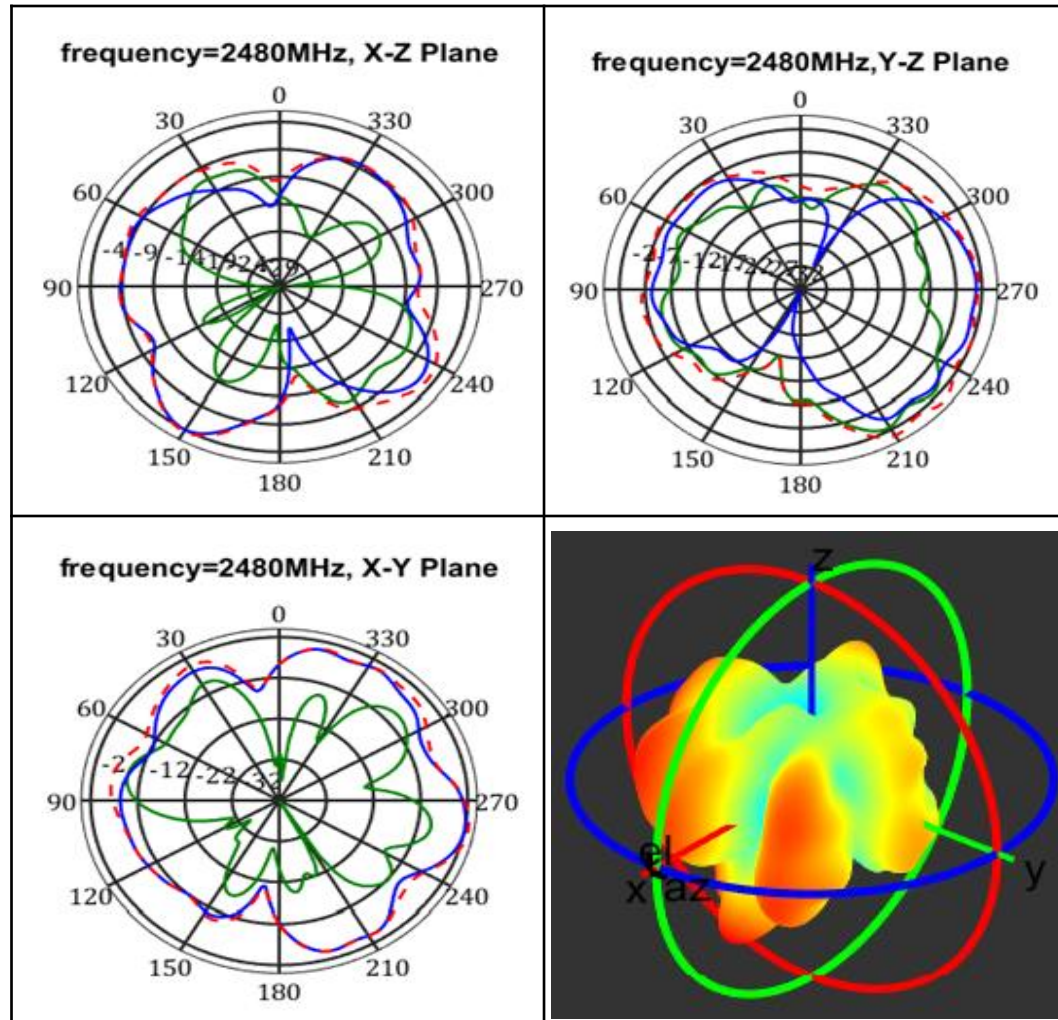
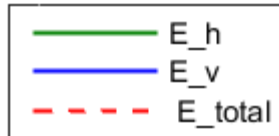


Antenna Radiation Pattern





Antenna Radiation Pattern



Thanks for your support!

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E-mail:ant001@fmant.cn

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