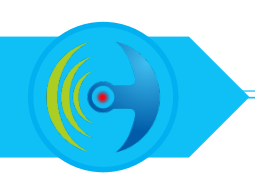




Professional antenna serviceprovider

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

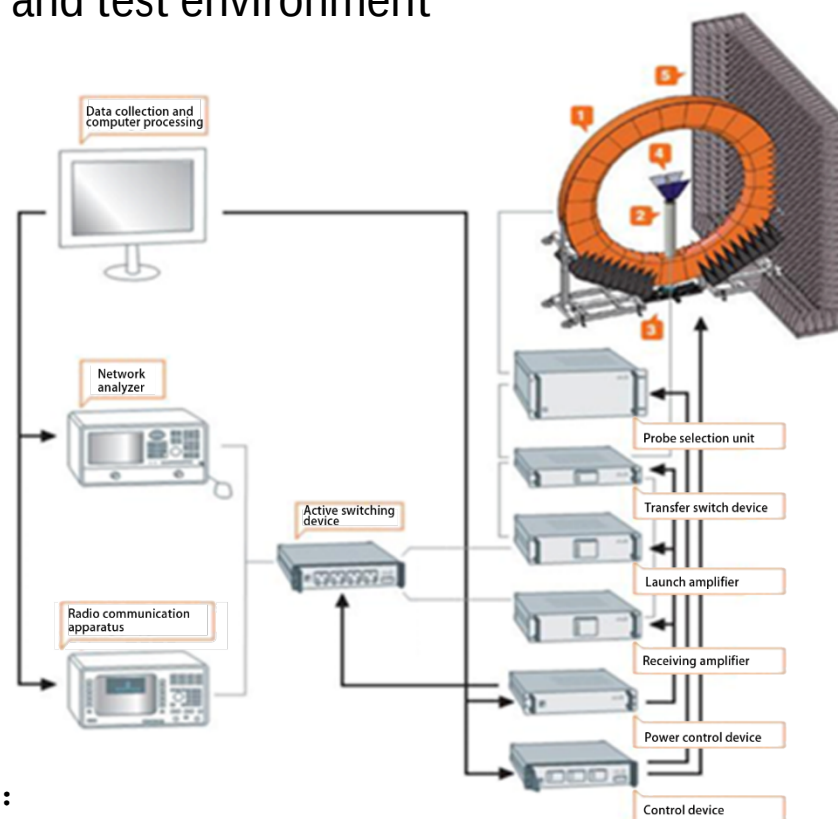


Antenna test report

Item model	RW1 RW2
Antenna model	
Testers	Xu Gaofu
Auditors	Chen Zhexiong
Date	2024-11-11

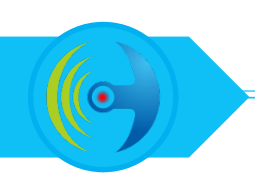


Test equipment and test environment

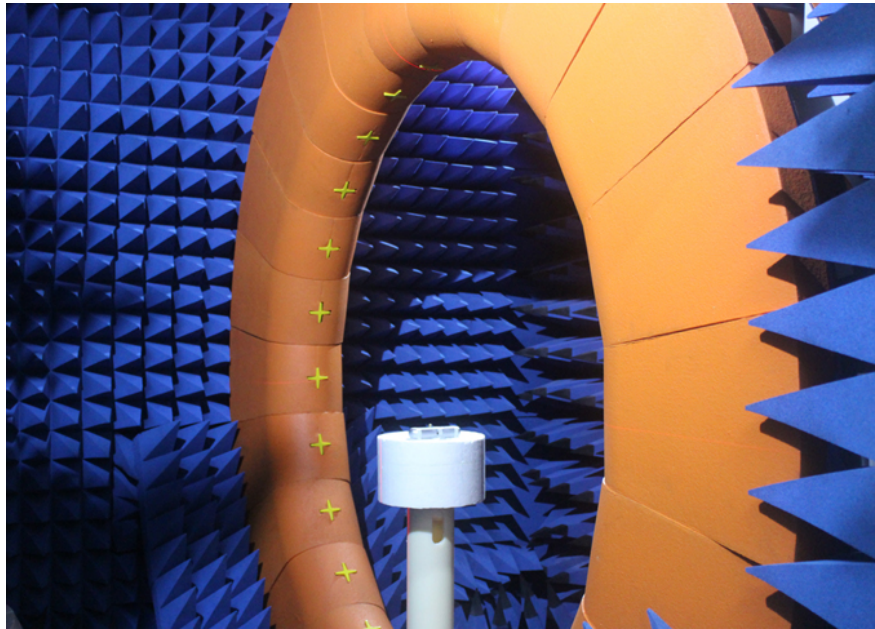


Test Environment Conditions:

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



Test equipment



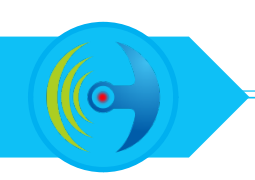
Probe microwave anechoic chamber

➤ Frequency Range : 0.4GHz-6GHz

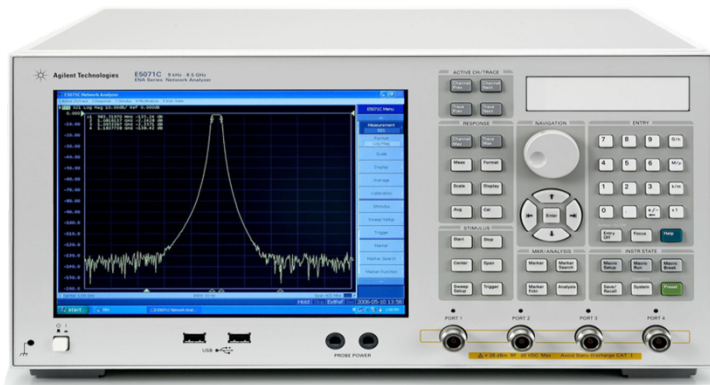
Main test indicators

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

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



Test equipment



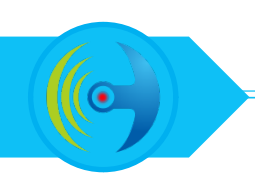
Agilent E5071C Vector network analyzer

- Frequency Range : 300 kHz - 8.5GHz



R&S CMW500 Broadband wireless communication tester

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

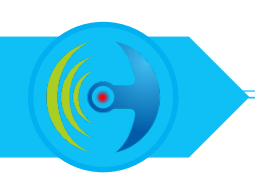


Antenna photo

RW1

Antenna types: FPC

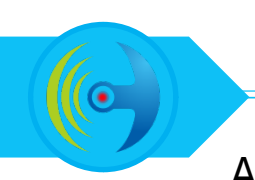




Antenna gain and efficiency

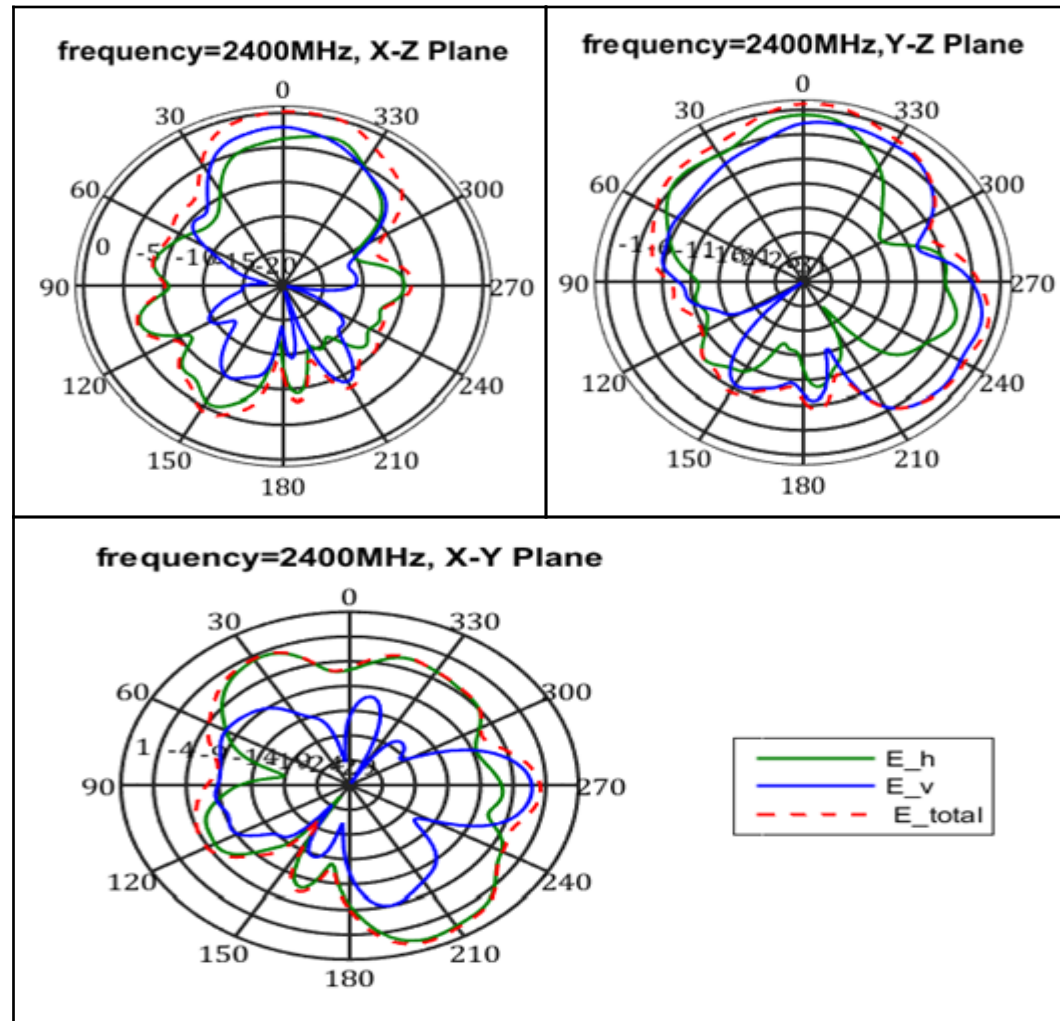
RW1

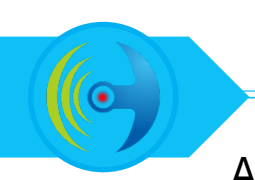
Antenna		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	44.35	2.17
2410	46.78	2.03
2420	47.04	2.37
2430	47.77	2.70
2440	49.22	2.42
2450	50.44	2.51
2460	49.38	2.37
2470	47.94	2.18
2480	46.74	1.93
2490	45.94	1.98
2500	44.95	2.20



Antenna Radiation Pattern

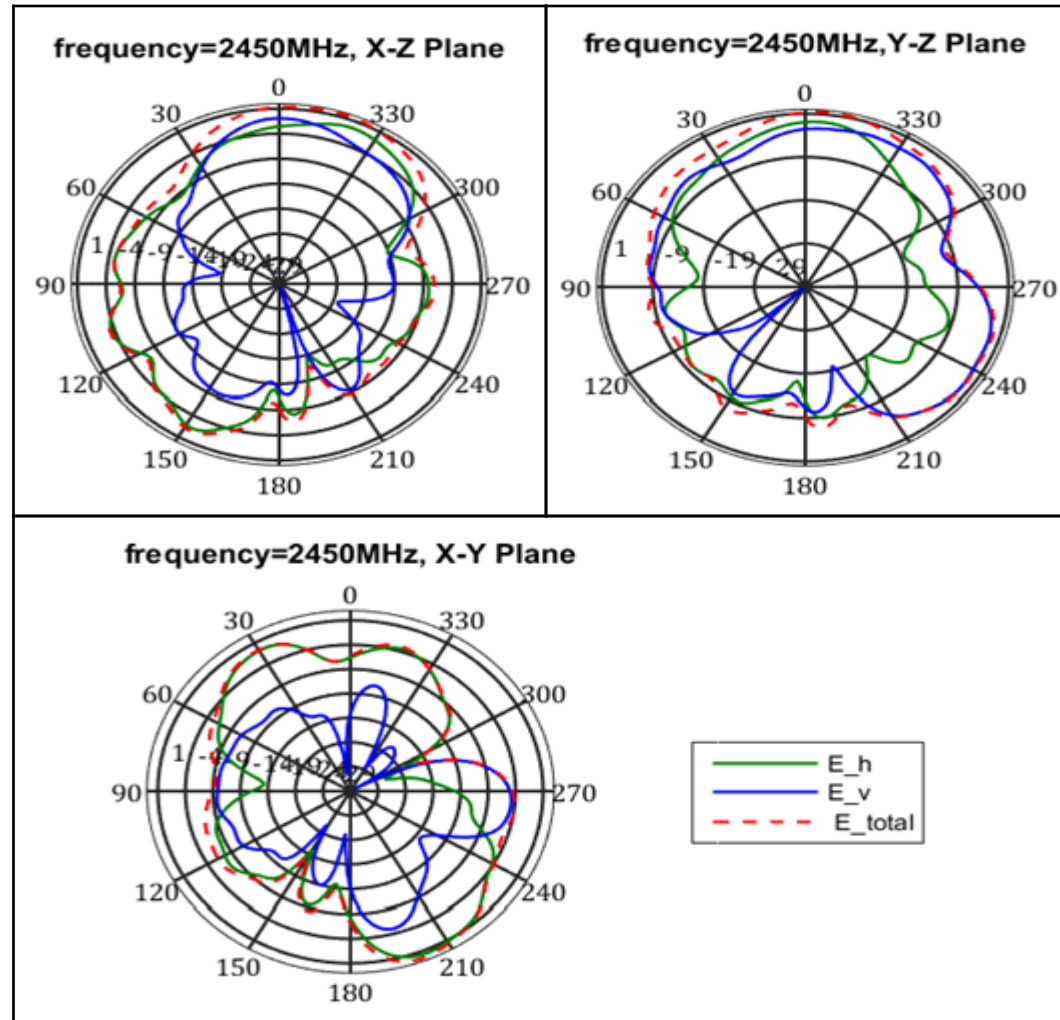
RW1

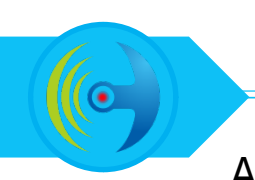




Antenna Radiation Pattern

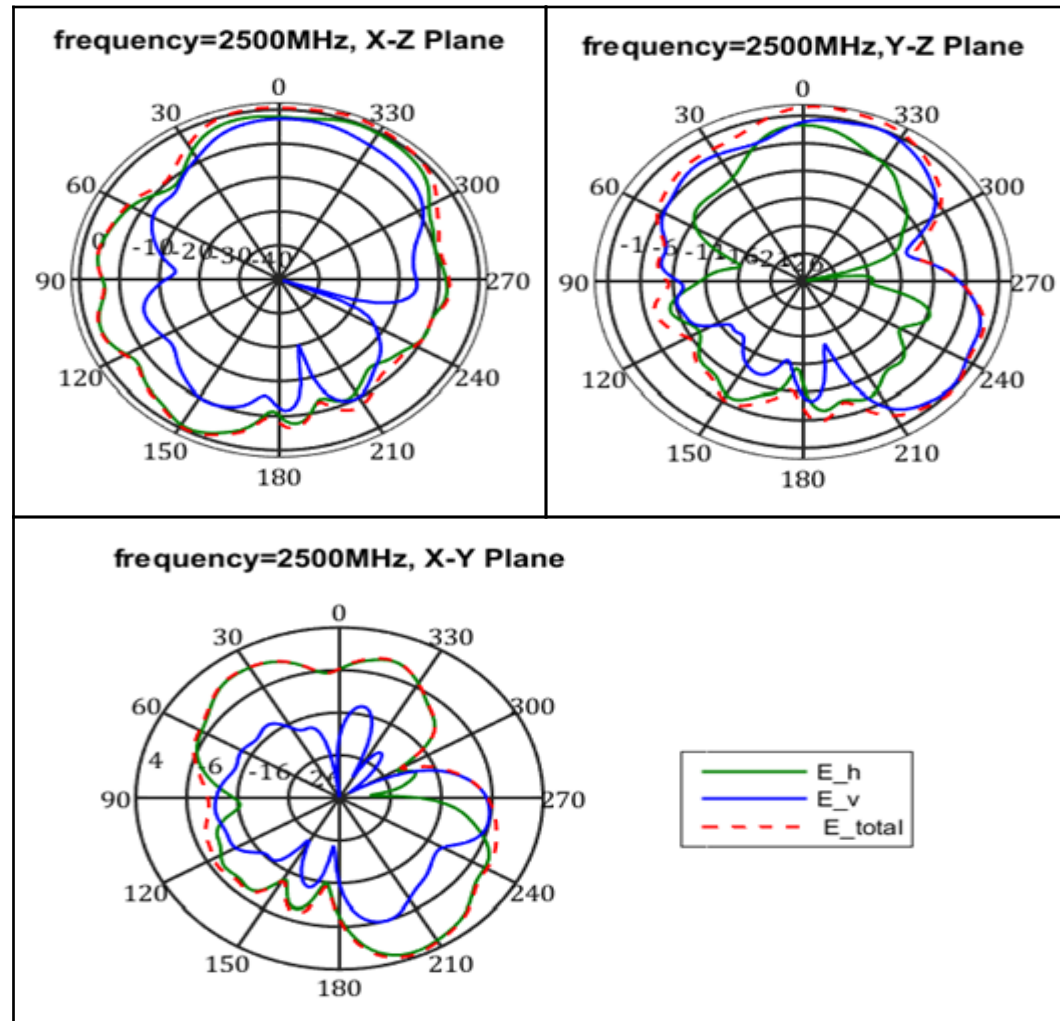
RW1

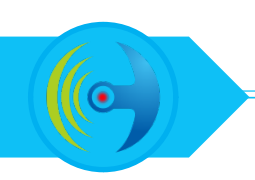




Antenna Radiation Pattern

RW1



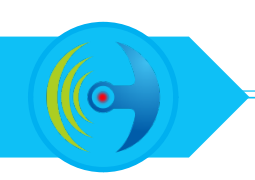


Antenna photo

RW2

Antenna types: FPC

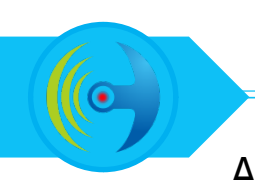




Antenna gain and efficiency

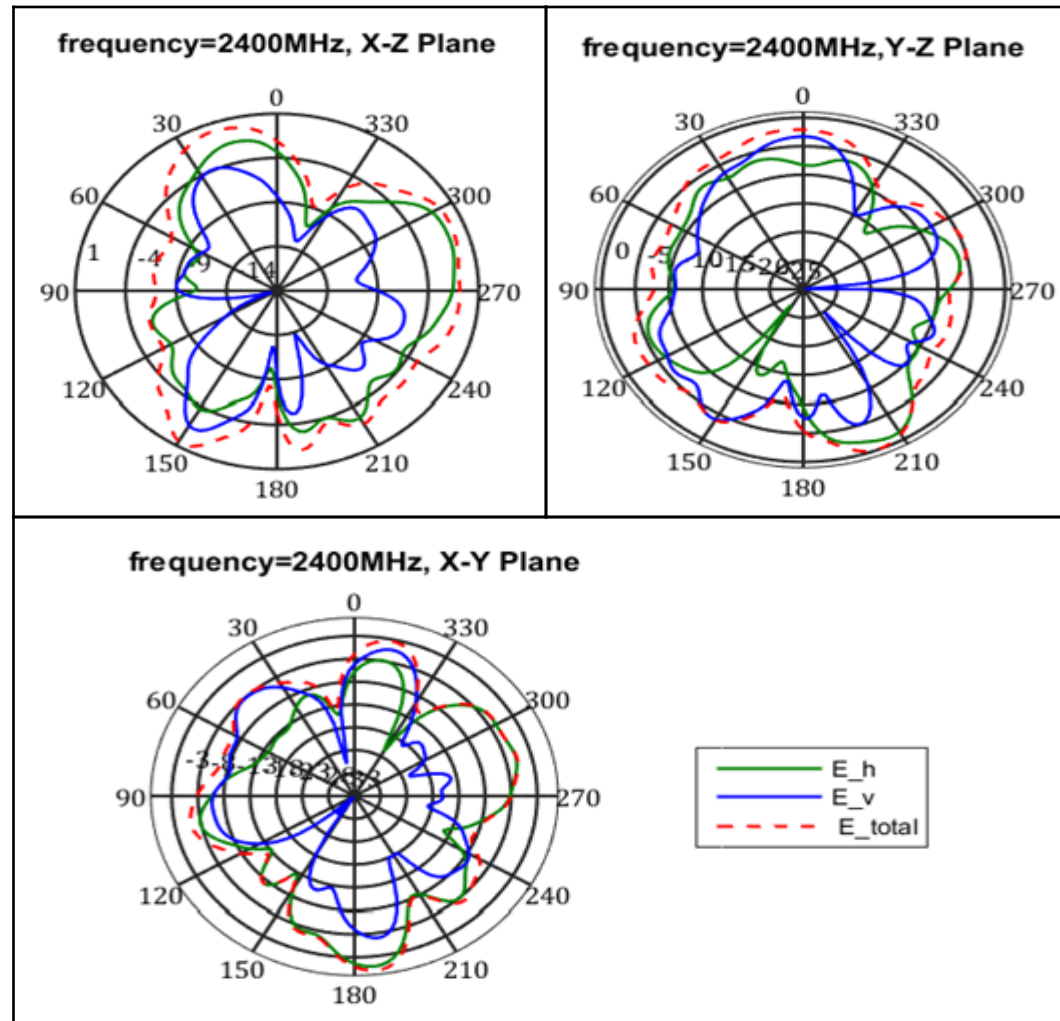
RW2

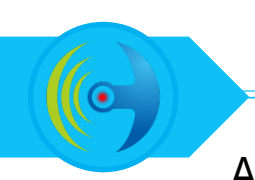
Antenna		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	47.25	1.99
2410	48.02	2.27
2420	48.50	2.49
2430	49.02	2.79
2440	51.80	2.35
2450	53.58	2.45
2460	52.90	2.27
2470	51.73	2.02
2480	49.92	2.04
2490	48.49	1.97
2500	46.70	1.92



Antenna Radiation Pattern

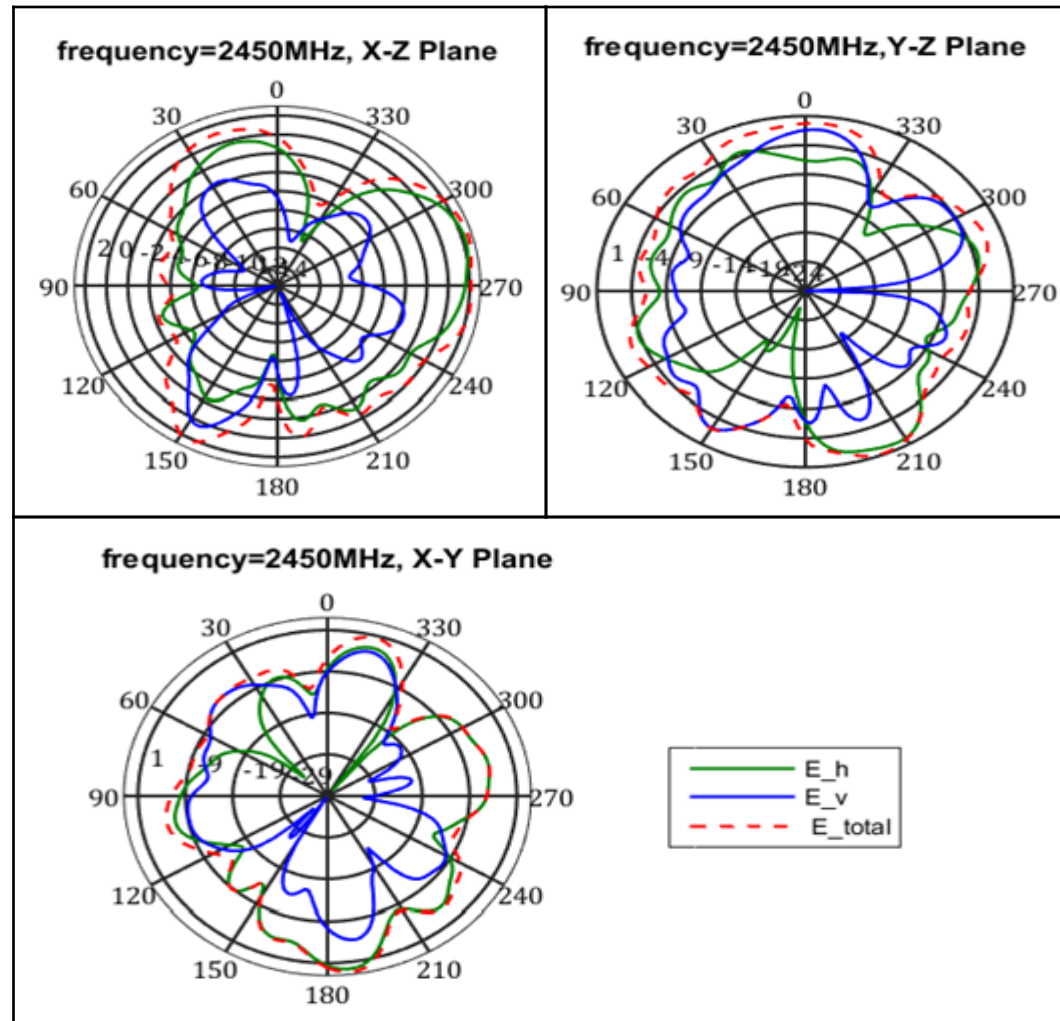
RW2

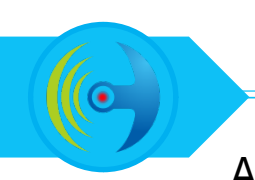




Antenna Radiation Pattern

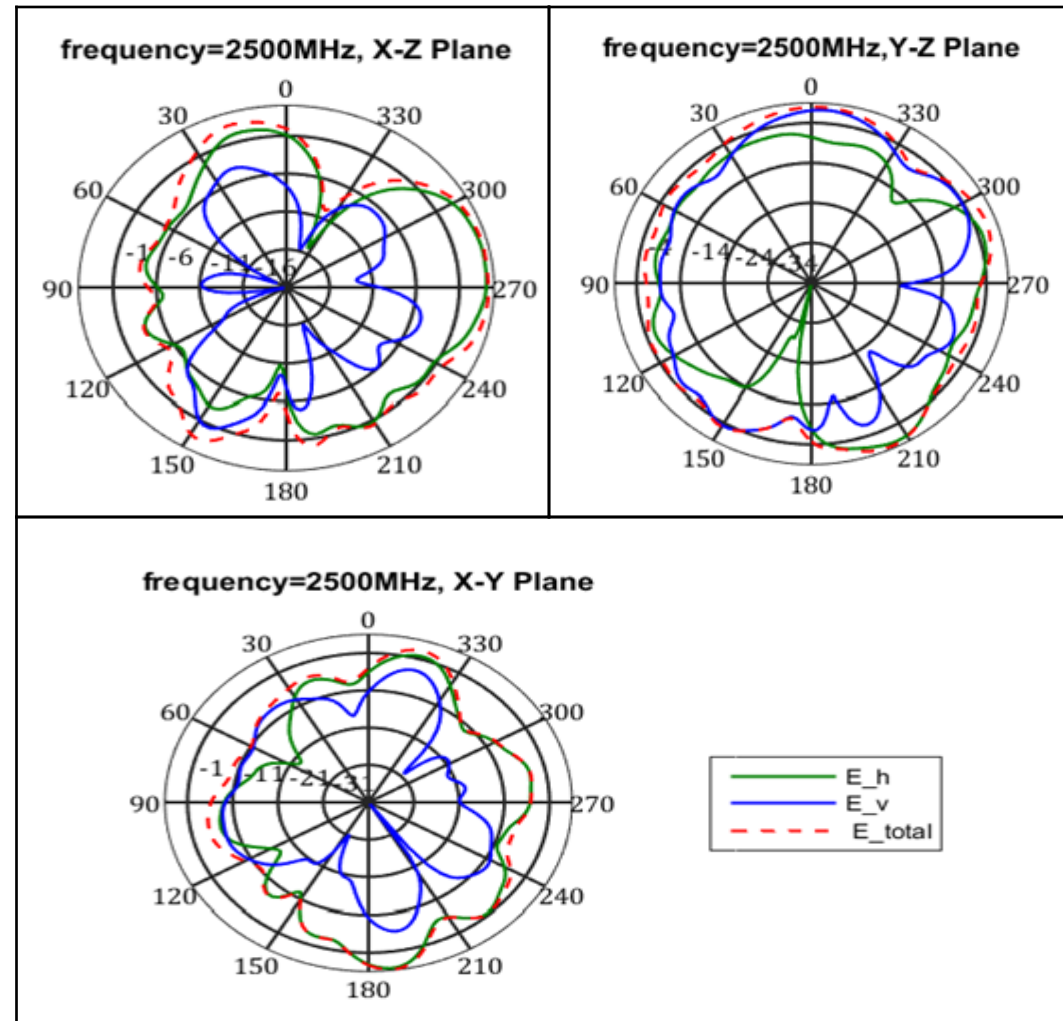
RW2





Antenna Radiation Pattern

RW2



Thanks for your support!

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E-mail:ant001@fmant.cn

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