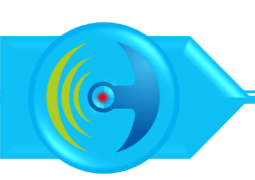


Professional antenna serviceprovider



Antenna test report

Item model

Antenna model

Testers

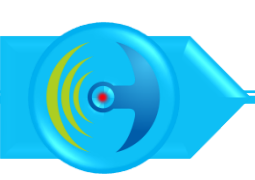
Yue e wei

Auditors

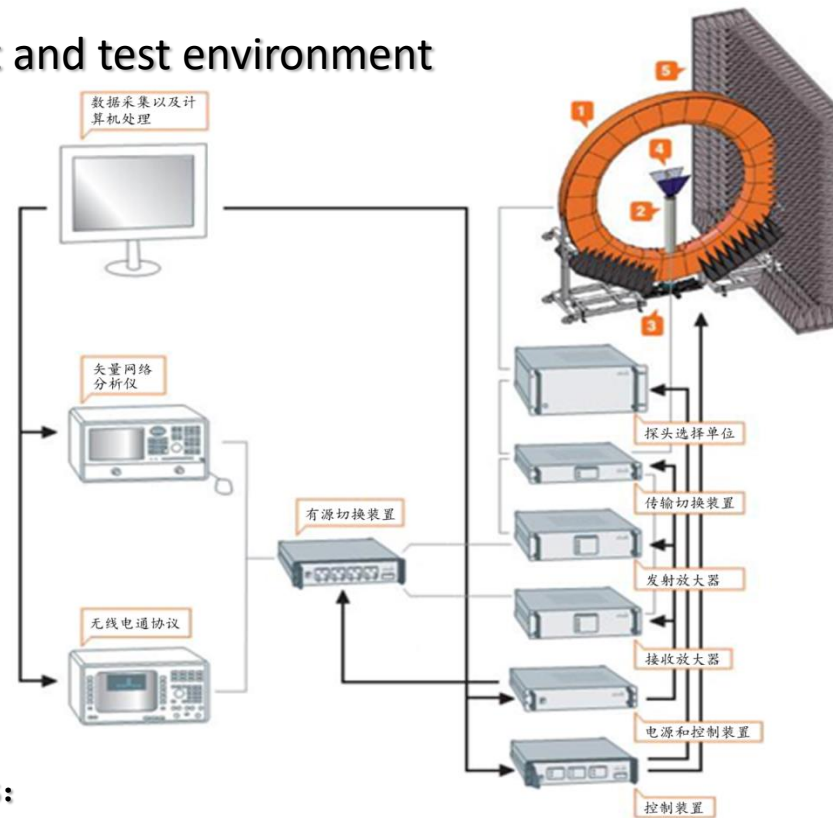
Xing xi Xia

Date

2026-3-27

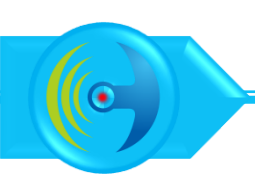


Test equipment and test environment

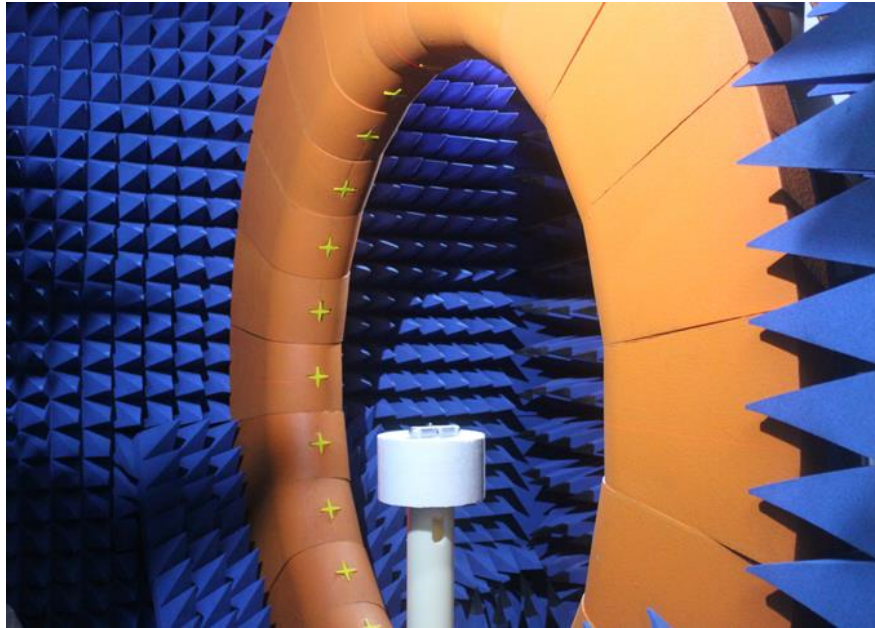


Test Environment Conditions:

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



Test equipment



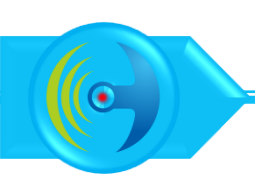
Probe microwave anechoic chamber

➤ Frequency Range : 0.4GHz-6GHz

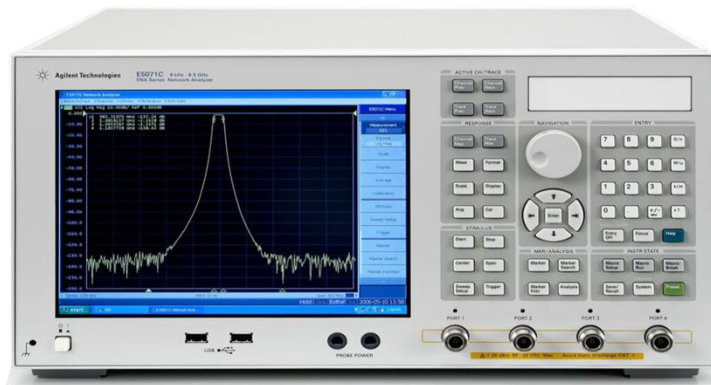
Main test indicators

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

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



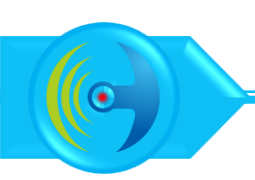
Test equipment



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

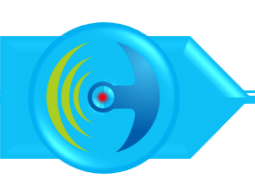


R&S CMW500 Broadband wireless communication tester
➤ GSM/3G/4G
➤ WIFI/ Bluetooth
➤ NB-IoT

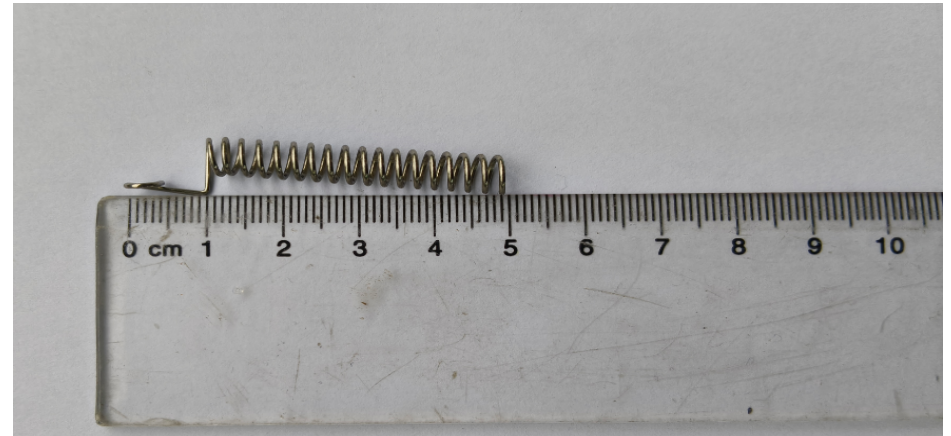


Test photos





Passive antenna data

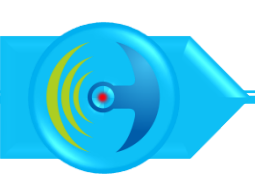


→ Length:50mm←

External diameter: 6.0mm

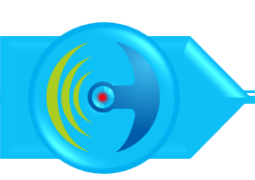
Line diameter: 0.8mm

Number of turns: 15.3T

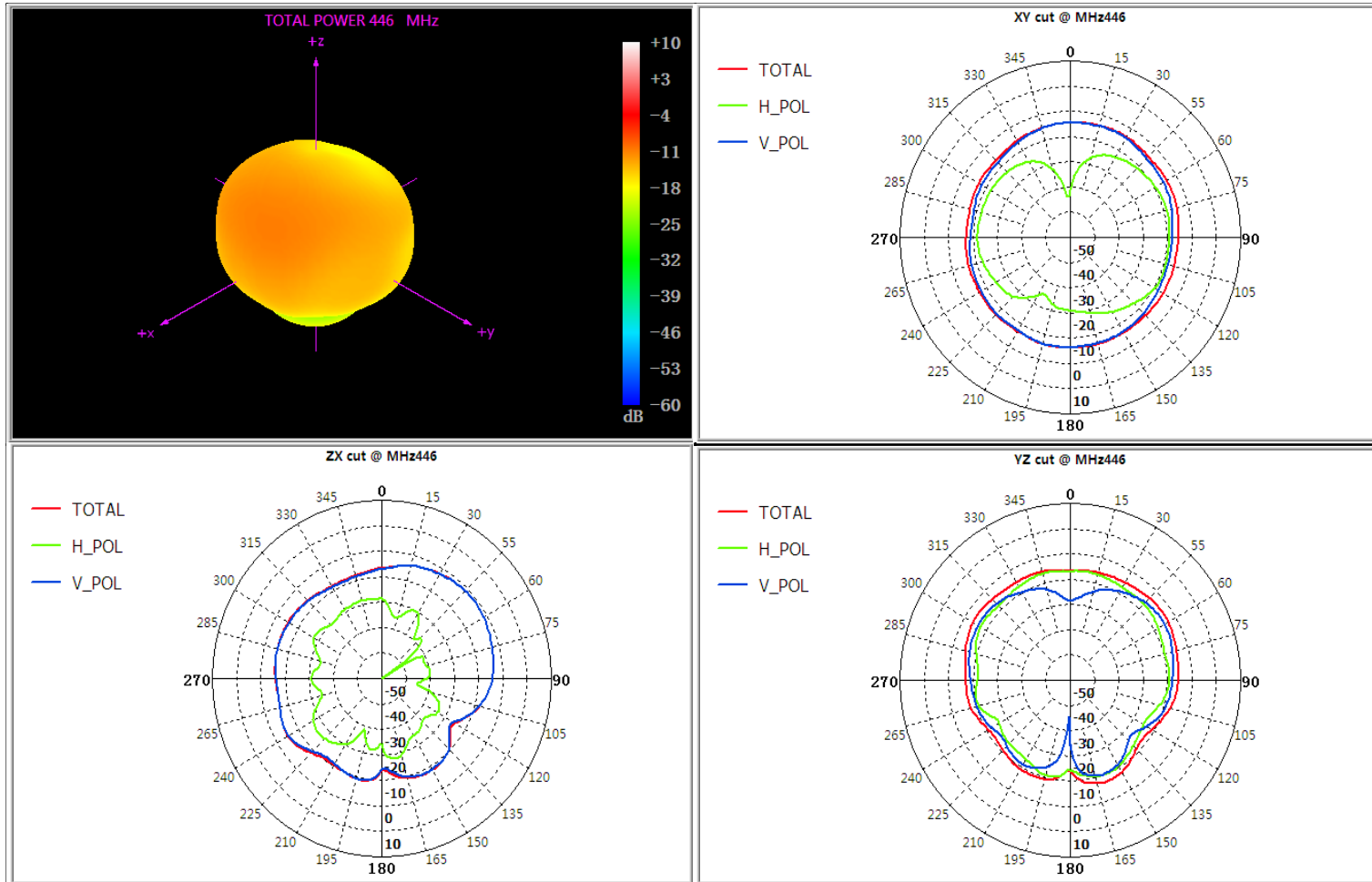


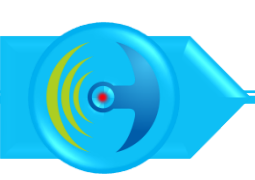
Antenna gain and efficiency

ANT		
Freq(MHz)	Efficiency (%)	Gian(dBi)
462 MHz	4.47	-10.18

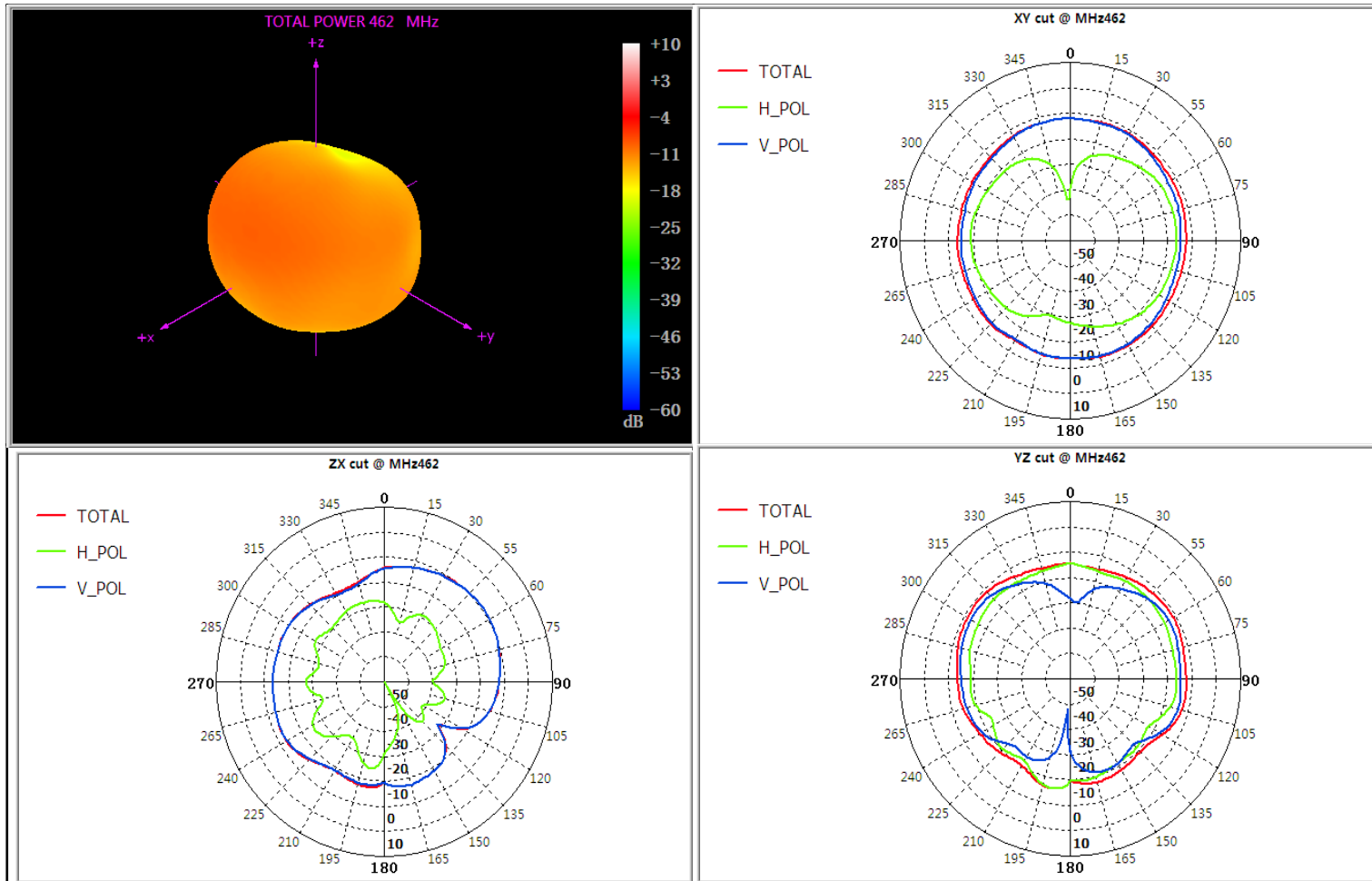


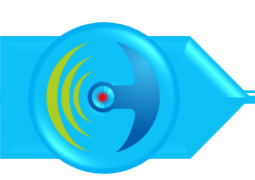
Antenna Radiation Pattern



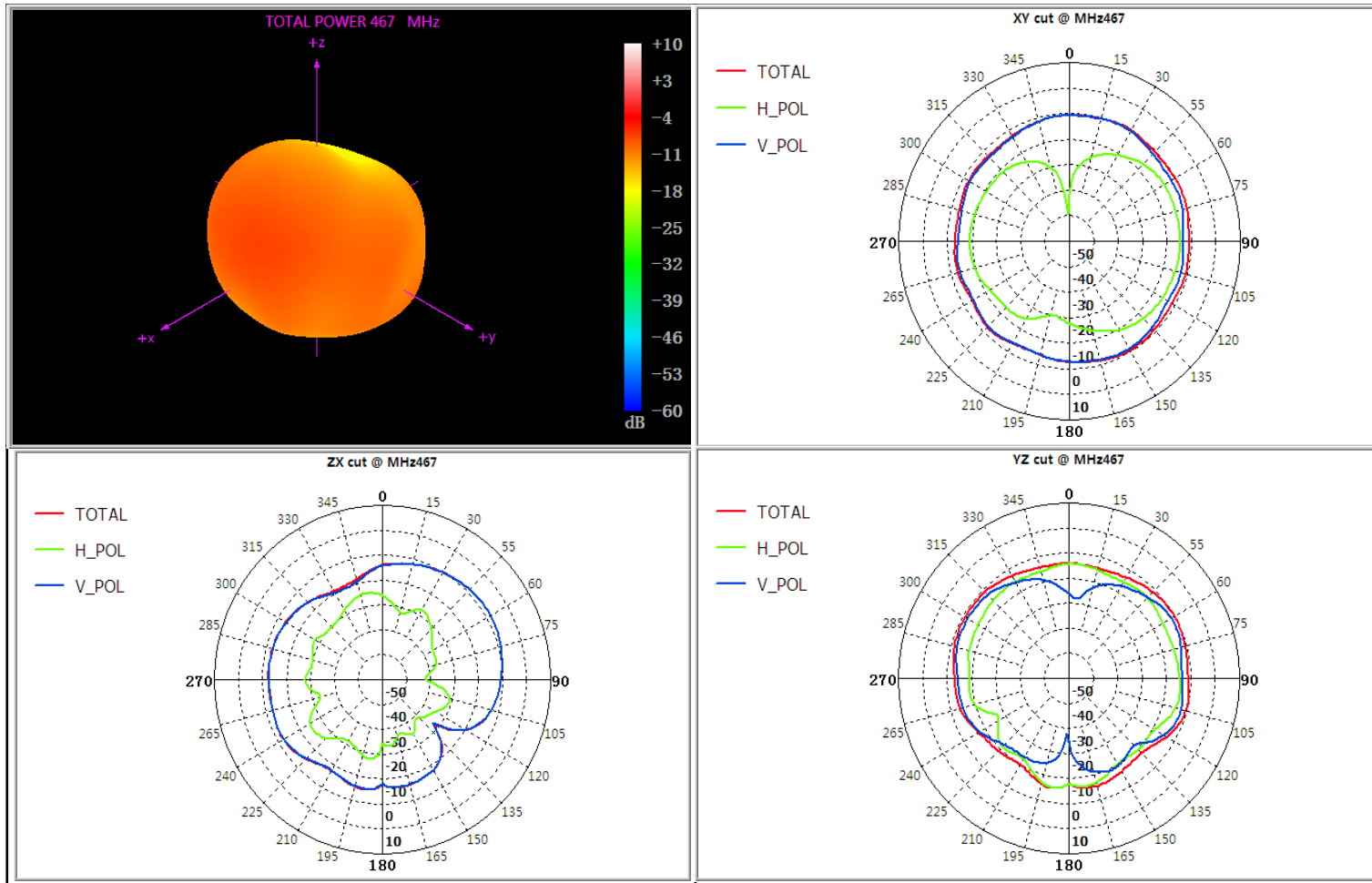


Antenna Radiation Pattern





Antenna Radiation Pattern



Thanks for your support!

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