



天线规格书

Antenna Specification

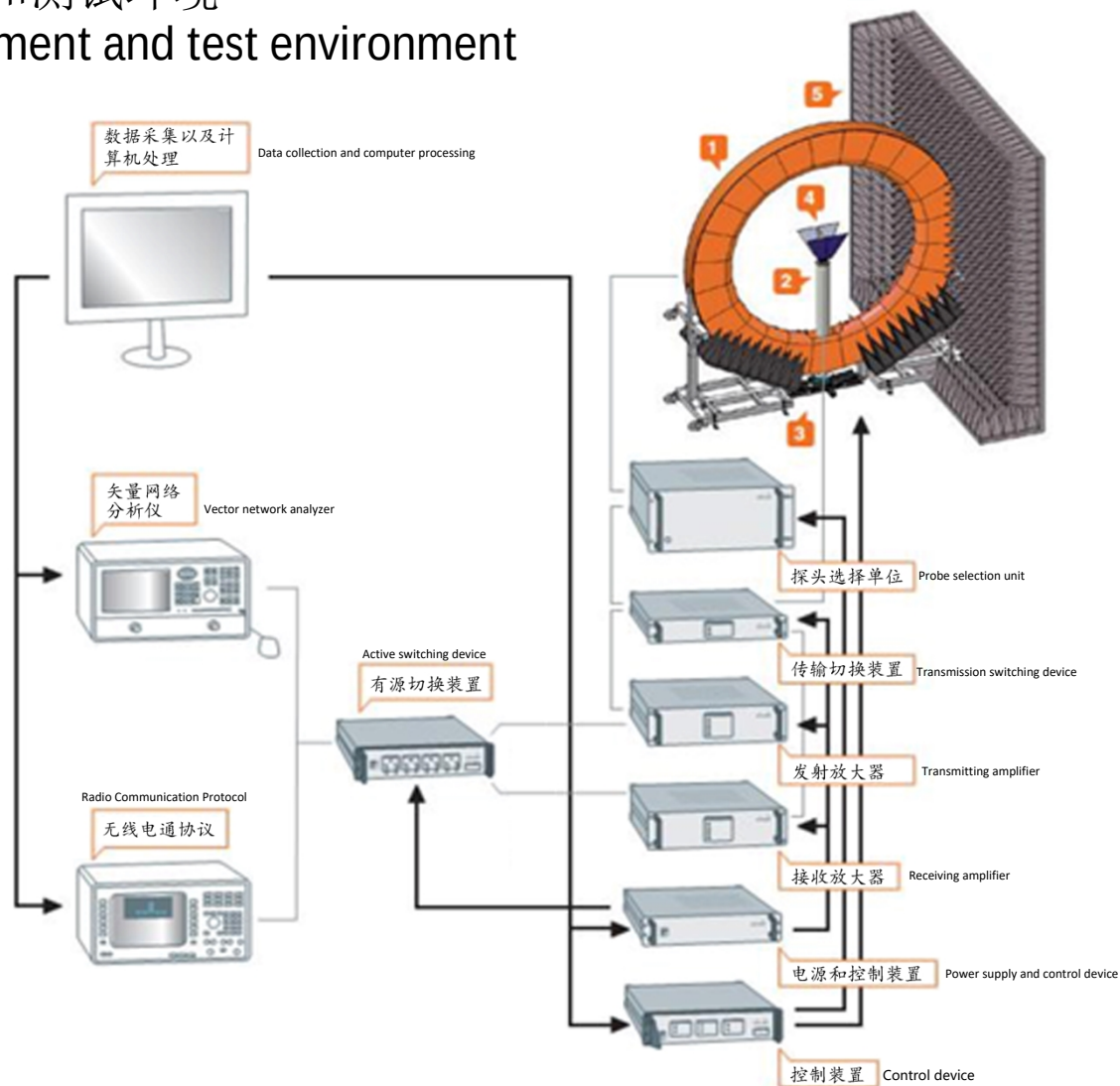
Project model	XJ-03
Antenna model	PIFA Antenna
Test	Xu Gaofu
Review	Chen Zexiong
Date	2025-6-10

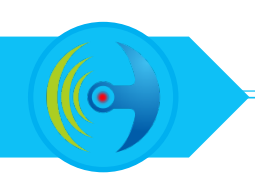
Manufacture's Name: Qiuran Technology (Dongguan) Co., Ltd.

Address: Room 228, Building 1, No. 2 Hongyuan Road, Tangxia Town, Dongguan, Guangdong, China

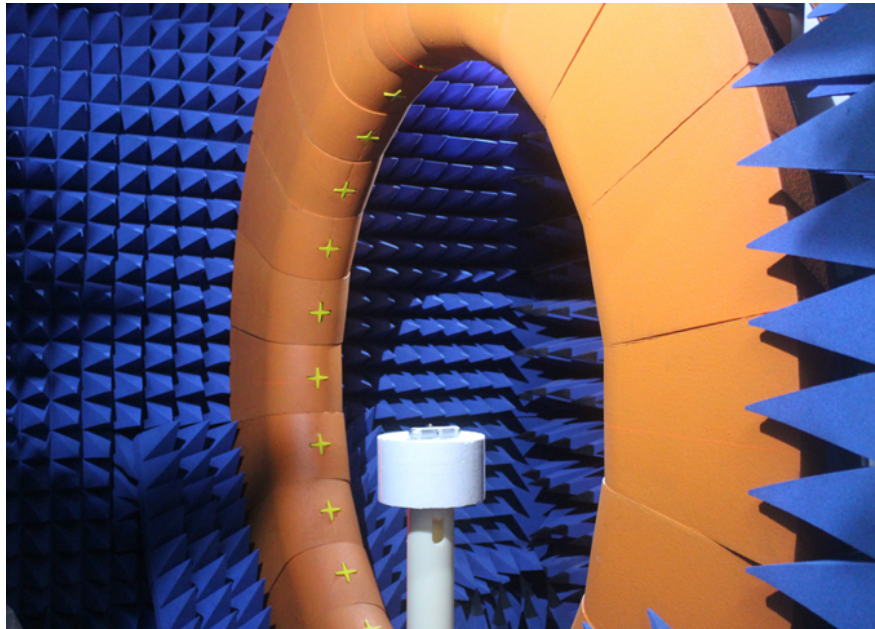


测试设备和测试环境 Test equipment and test environment





测试设备 Test equipment



Probe microwave anechoic chamber

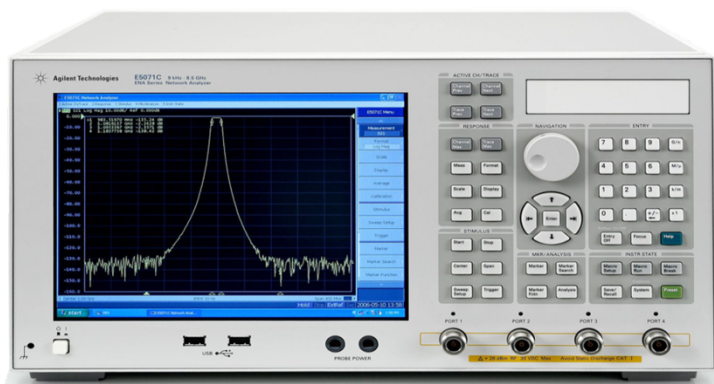
➤ Frequency: 0.4GHz to 6GHz

Main test indicators

- ◆ Passive indicator
- ◆ Gain
- ◆ Efficiency
- ◆ 3D square
- Active indicators
- TRP Total radiated power
- TIS Total receiving sensitivity



测试设备 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



天线安装位置
Passive antenna data

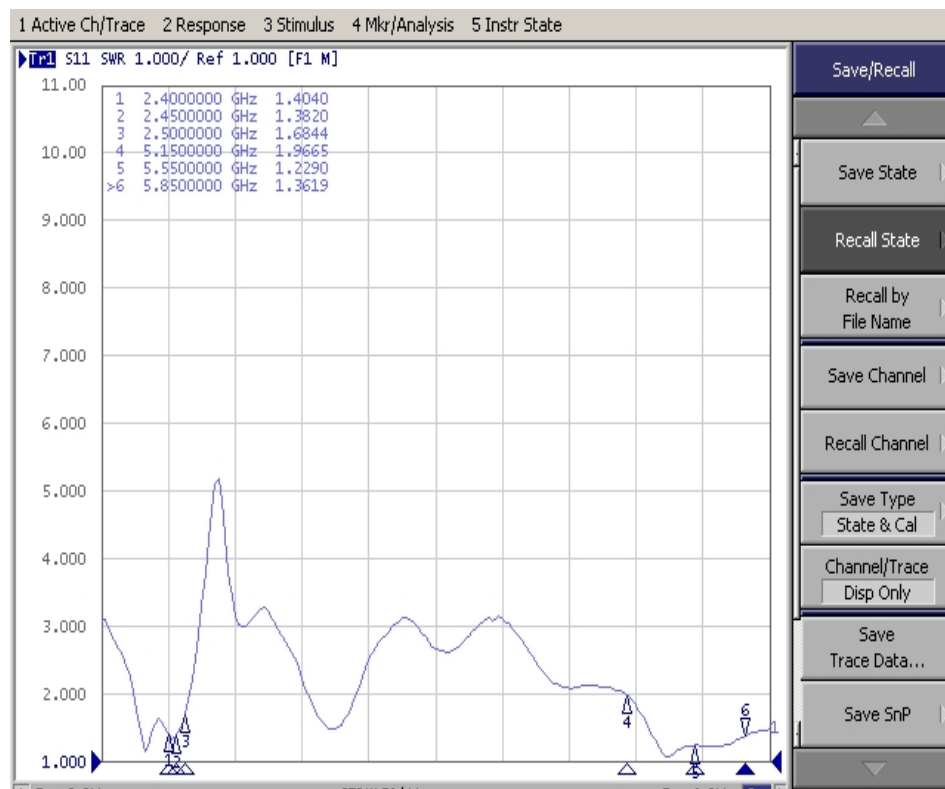
Antenna Photo & Length (mm)



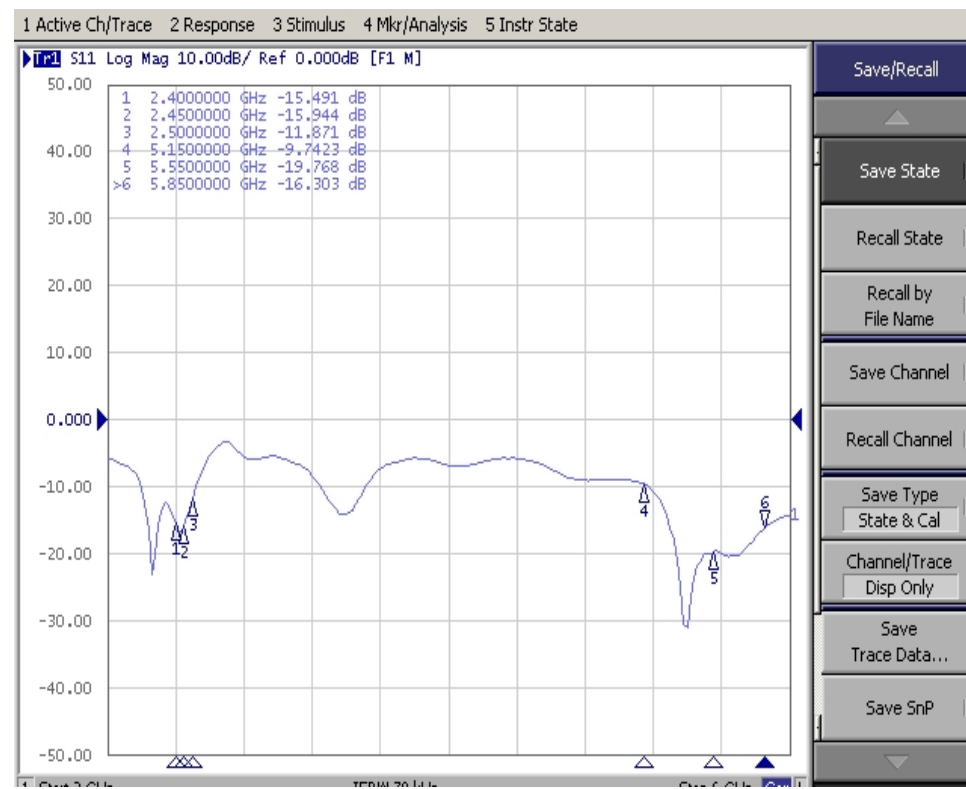
Size: L8mm * W10mm

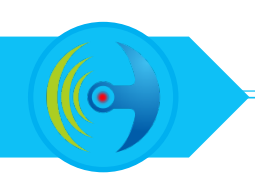


天线驻波比 Antenna SWR



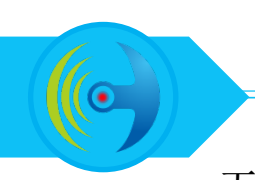
天线回波损耗 Antenna Return loss





天线增益与效率
Antenna gain and efficiency

天线 Antenna		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	45.50	2.16
2410	46.54	2.26
2420	46.62	2.30
2430	47.71	2.34
2440	48.36	2.43
2450	47.78	2.54
2460	47.02	2.47
2470	46.82	2.40
2480	45.34	2.33
2490	44.98	2.27
2500	44.46	2.30



天线辐射方向图 Antenna Radiation Pattern

