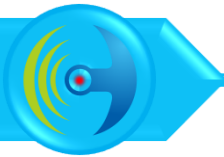


天线规格书

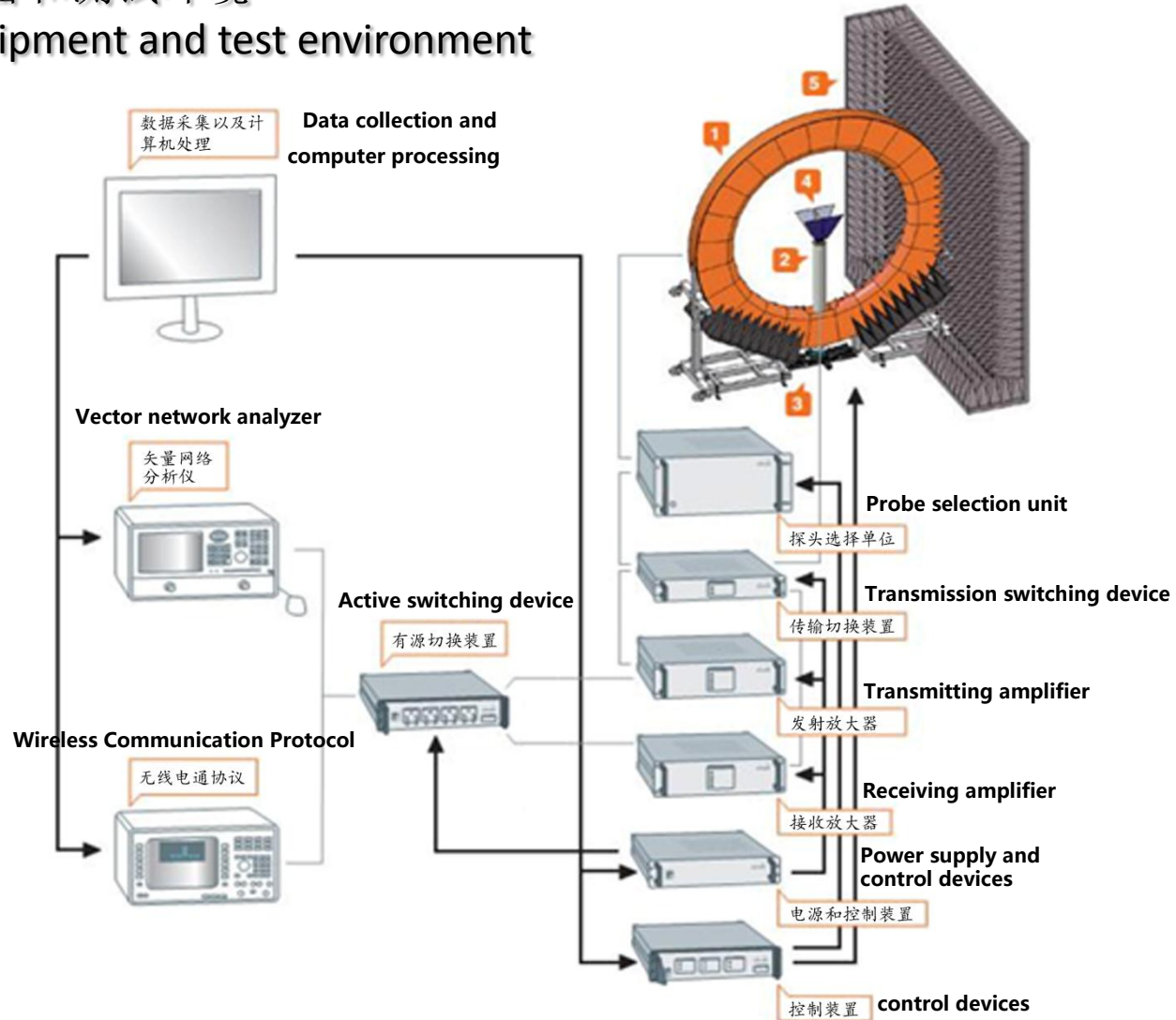
Antenna specification

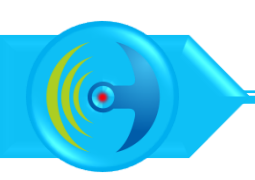
Antenna model FS102

Antenna Type PCB Printed Antenna

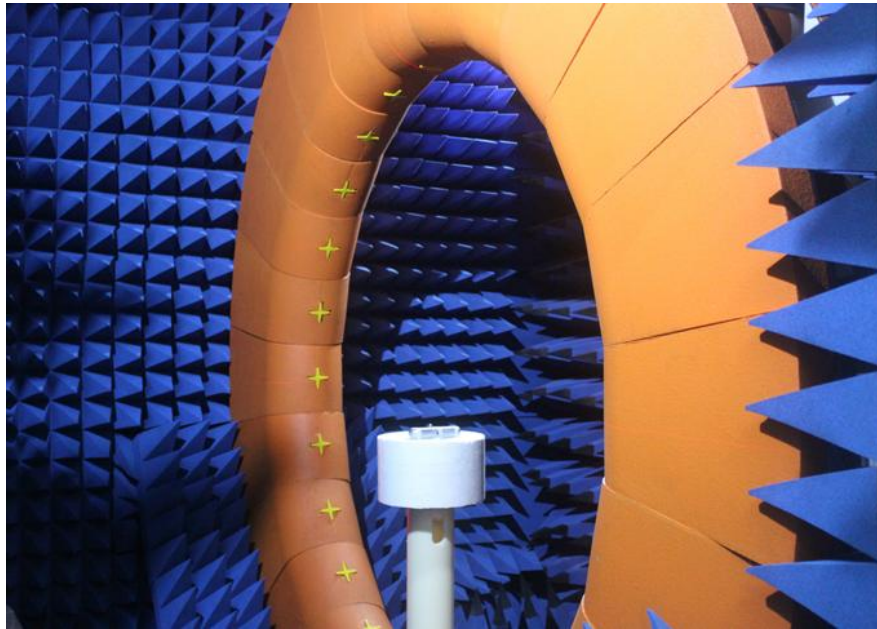


测试设备和测试环境 Test equipment and test environment





测试设备 Test equipment

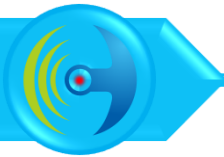


探头微波暗室 Probe microwave darkroom

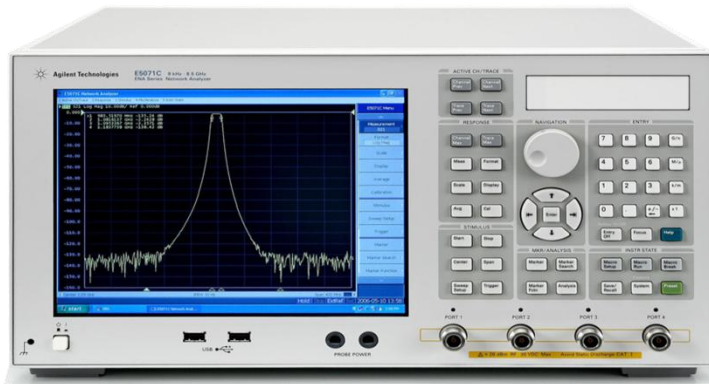
- 频率 : 0.4GHz至6GHz
Frequency: 0.4GHz-6GHz

Main test indicators

- ◆ Passive indicators
 - ◆ Gain
 - ◆ Efficiency
 - ◆ 3D directional map
- Active indicators
 - TRP total radiation power
 - TIS total reception sensitivity



测试设备 Test equipment



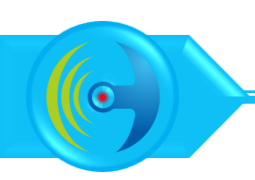
Agilent E5071C Vector network analyzer

- frequency : 300 kHz-8.5GHz



R&S CMW500 Broadband wireless communication tester

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

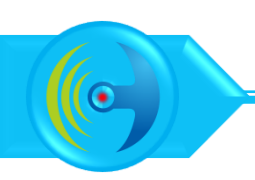


天线安装位置

Passive antenna data

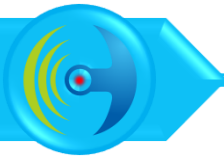
Antenna installation and location





天线增益与效率
Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	46.32	1.91
2410	48.68	1.27
2420	49.42	1.88
2430	49.01	1.84
2440	47.17	2.00
2450	46.39	1.48
2460	45.53	1.35
2470	44.87	1.32
2480	44.24	1.39
2490	44.16	1.68
2500	43.13	1.93



天线辐射方向图 Antenna Radiation Pattern

