



Antenna test report

Item model GL-X2

Antenna model _____

Testers Yue e wei

Auditors Xing xi Xia

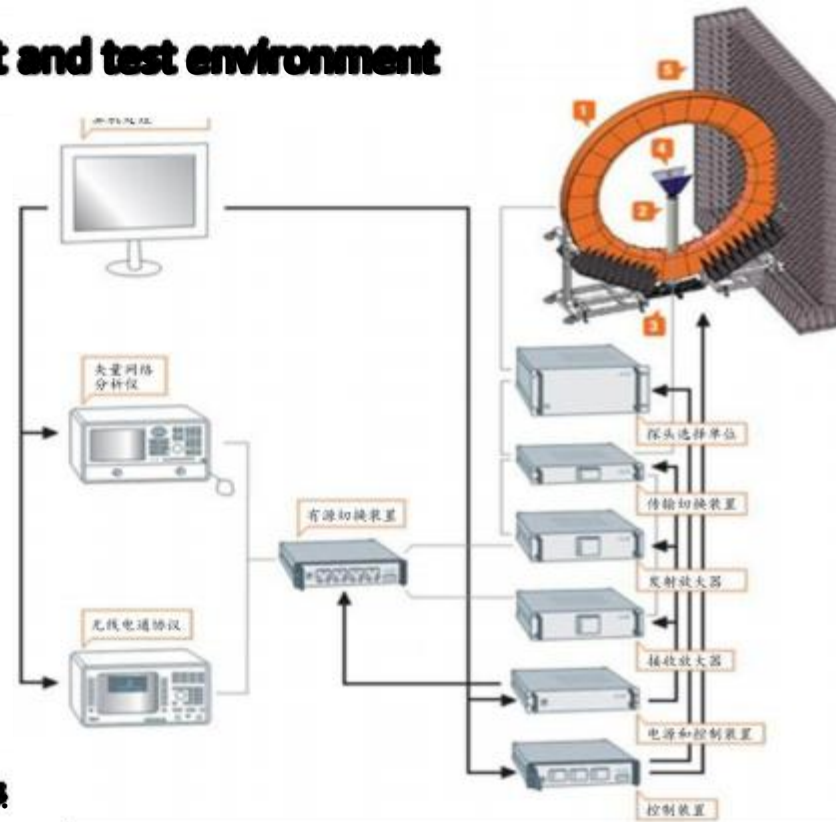
Date 2024-09-07

地址：深圳市宝安区西乡街道固戍社区恒南一路C栋厂房303

Add:Room 303, Factory Building C, Hengnan 1st Road, Gushu Community, Xixiang Sub?district, Bao'an District, Shenzhen City



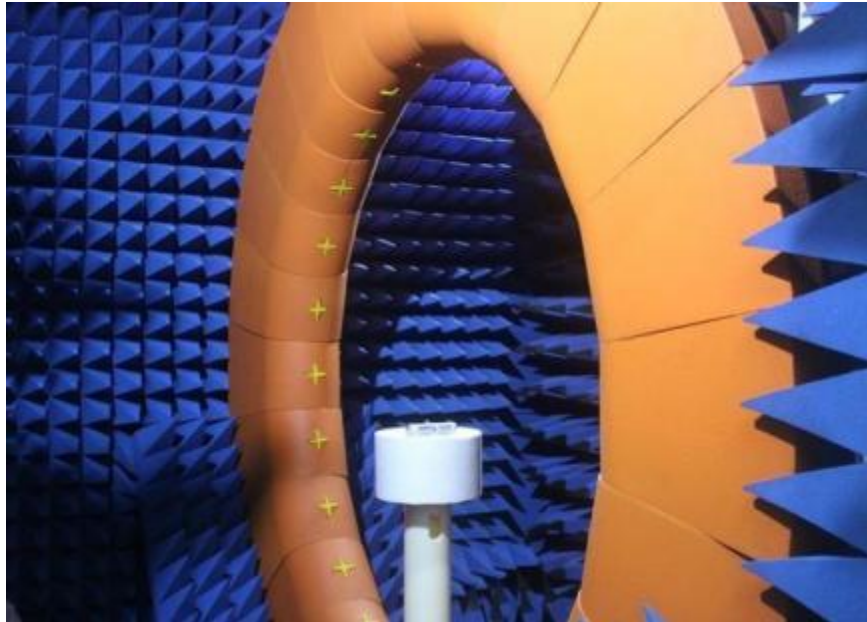
Test equipment and test environment



Test Environment Conditions



Test equipment



Probe microwave anechoic chamber

➤ Frequency Range : 0.4GHz-6GHz

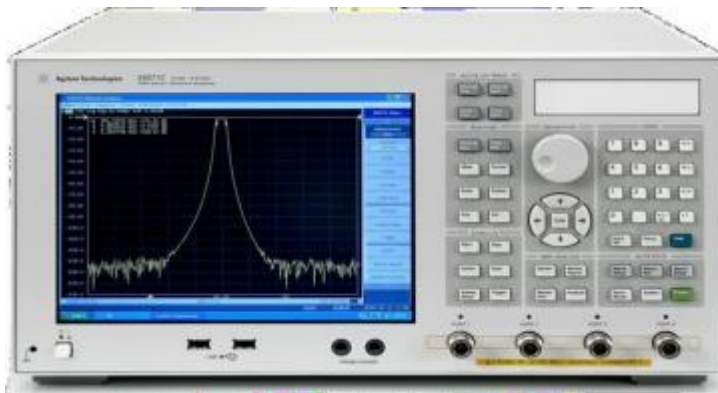
Main test indicators

- ◆ 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



Passive antenna data



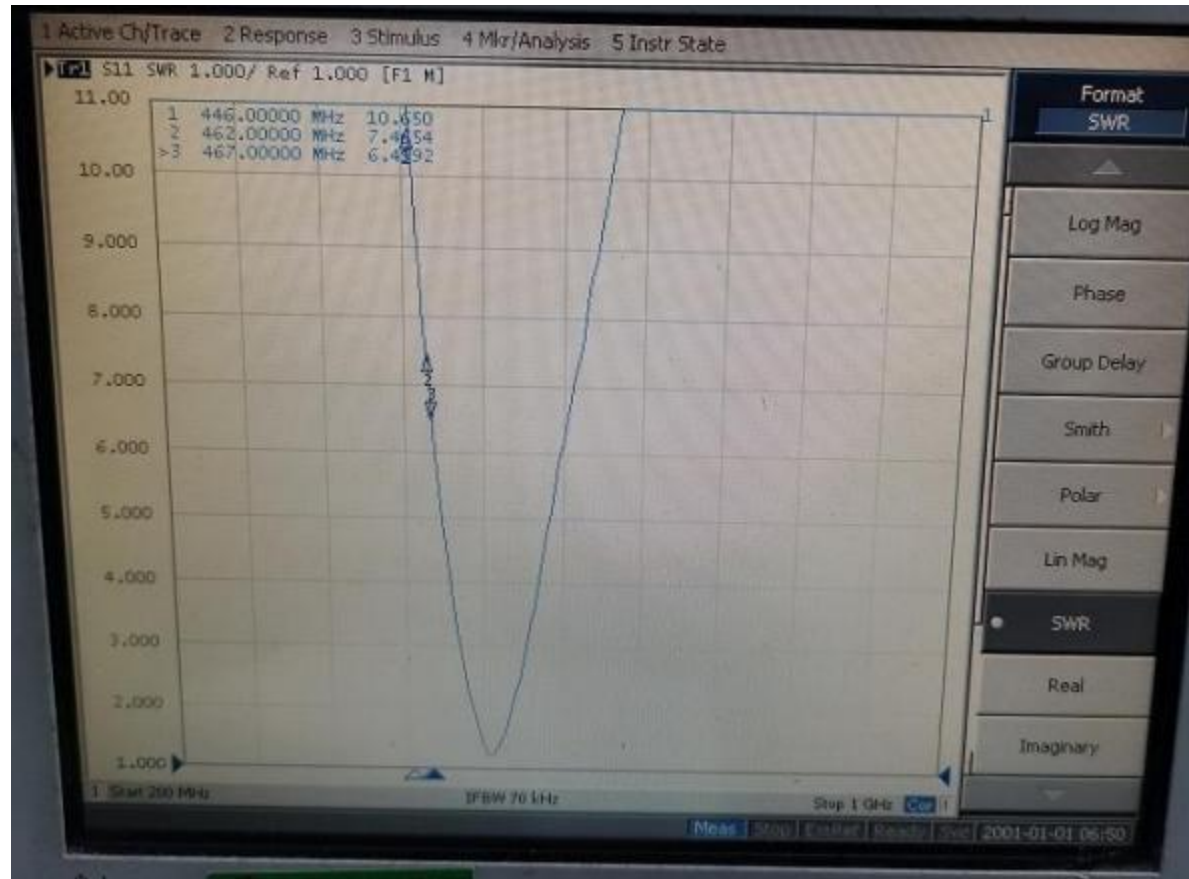
External diameter: 6.0mm

Line diameter: 0.8mm

Number of turns: 19.5T

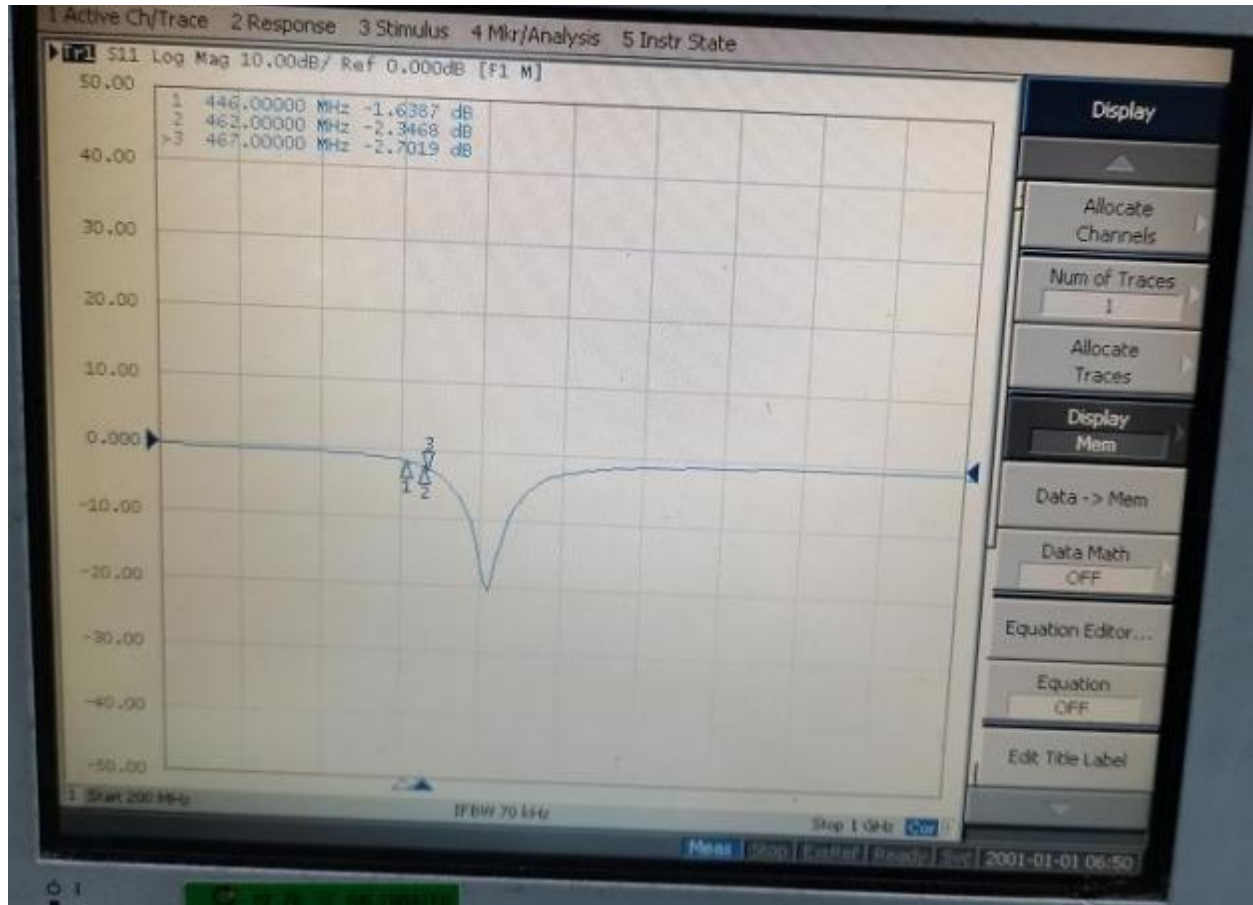


Antenna **SWR**





Antenna Return loss



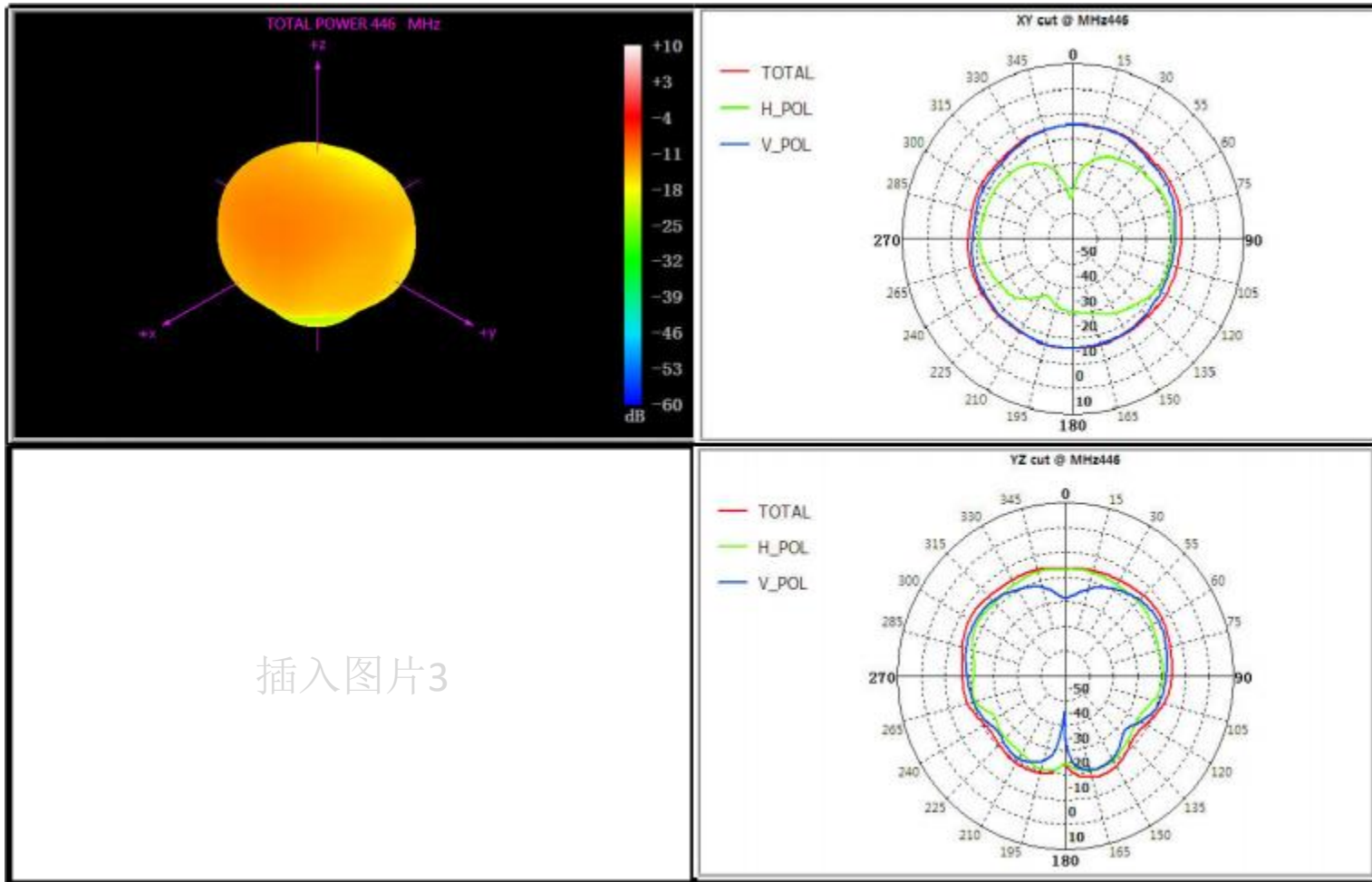


Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gian(dBi)
446 MHz	3.57	-11.87
462 MHz	4.47	-10.18
467 MHz	5.73	-9.63

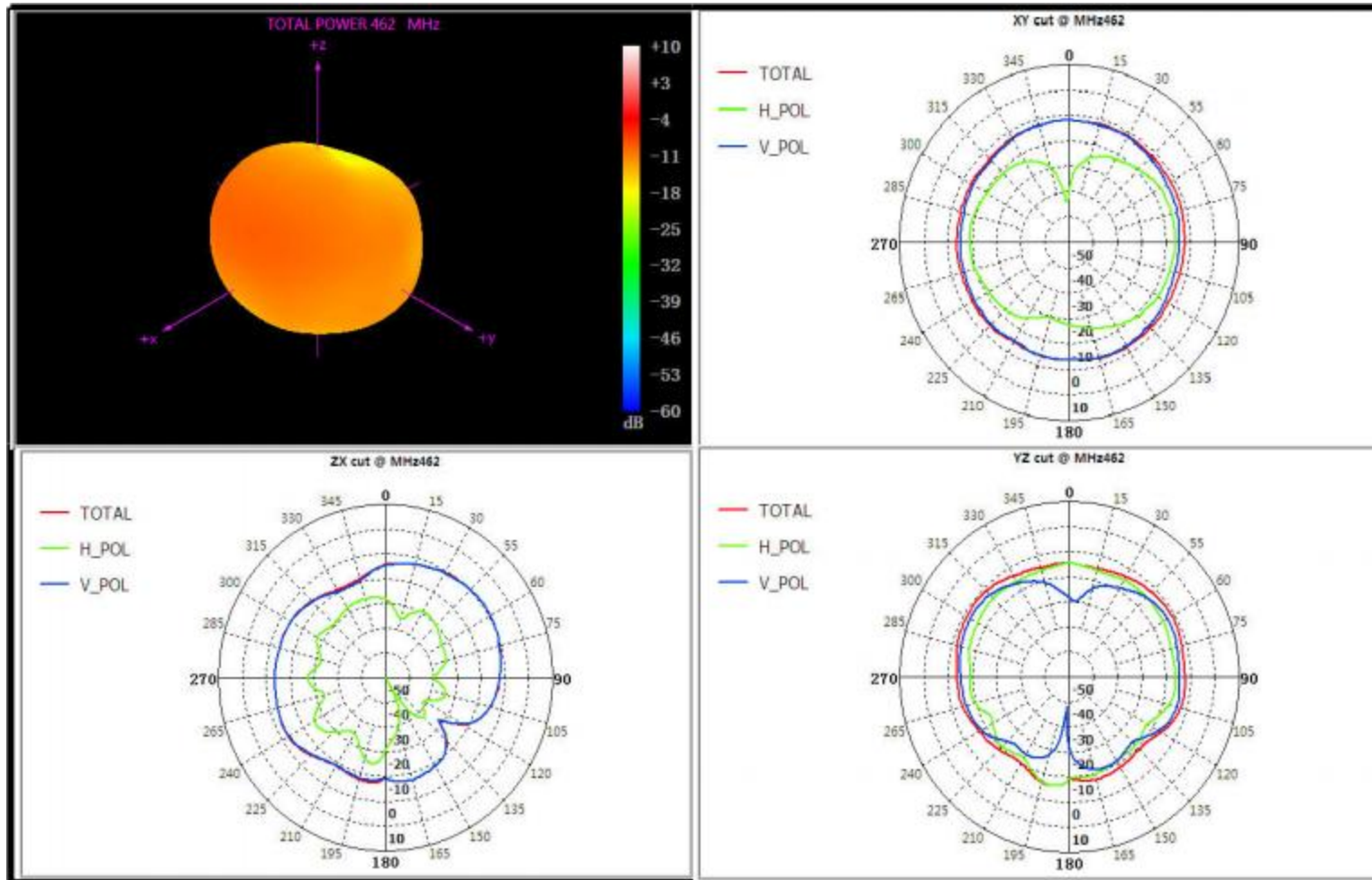


Antenna Radiation Pattern





Antenna Radiation Pattern





Antenna Radiation Pattern

