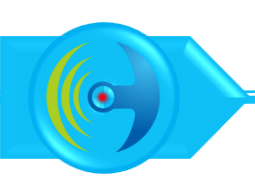


Professional antenna serviceprovider



Antenna test report

Item model

Antenna model

Testers

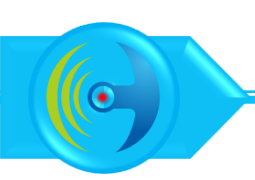
Yue e wei

Auditors

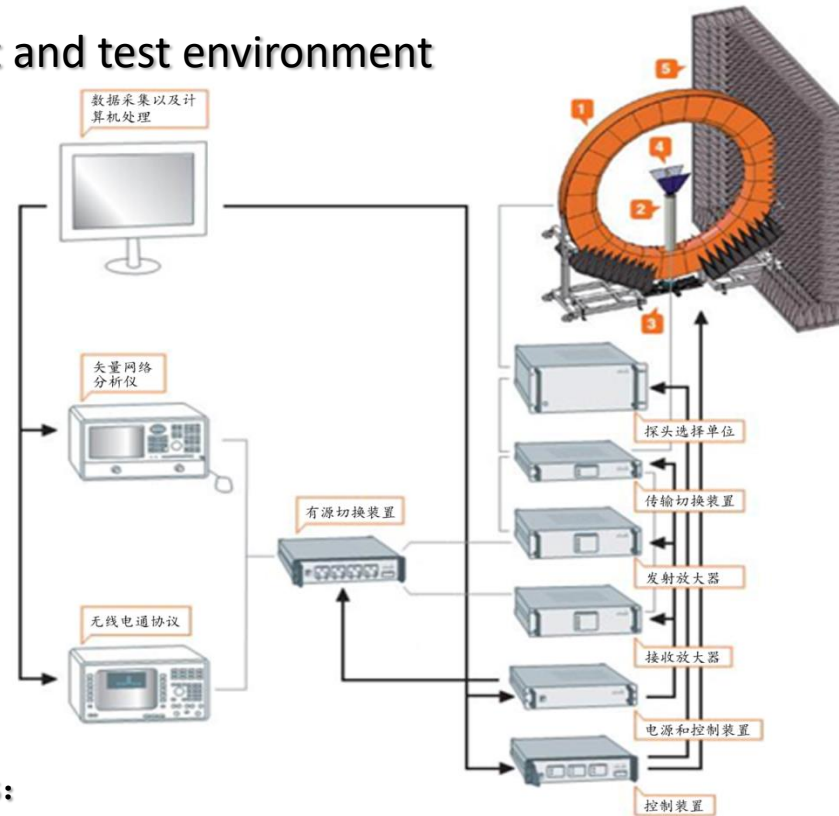
Xing xi Xia

Date

2022-09-07

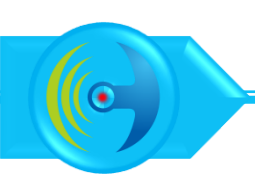


Test equipment and test environment

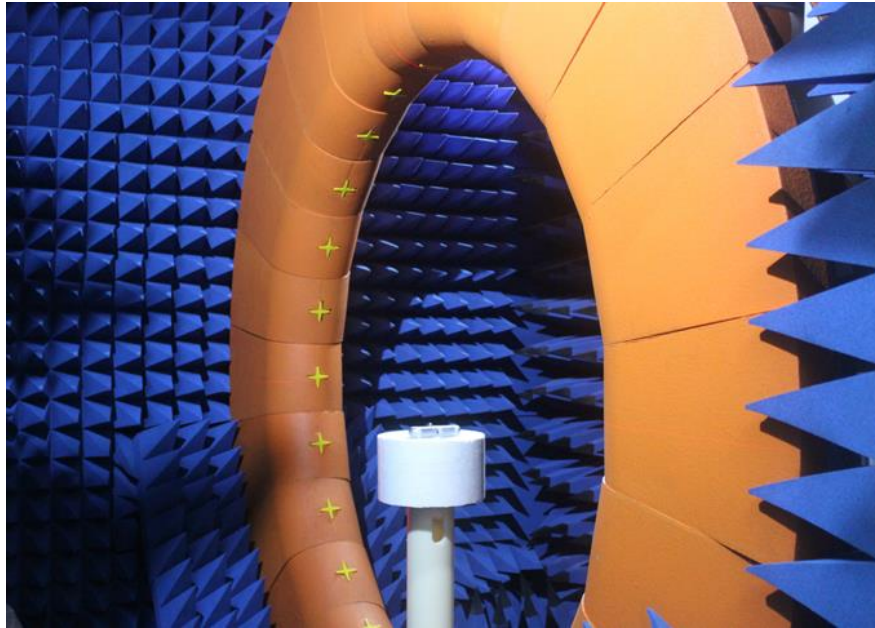


Test Environment Conditions:

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



Test equipment



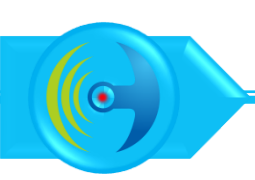
Probe microwave anechoic chamber

- Frequency Range : 0.4GHz-6GHz

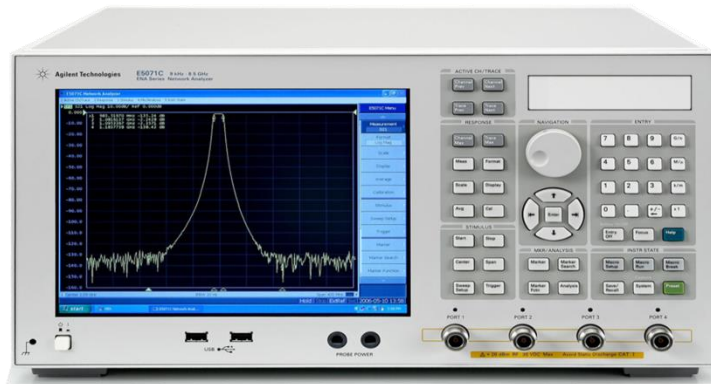
Main test indicators

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

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



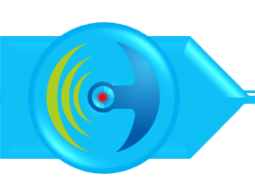
Test equipment



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

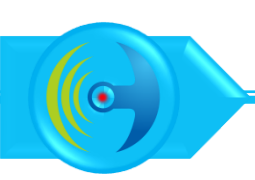


R&S CMW500 Broadband wireless communication tester
➤ GSM/3G/4G
➤ WIFI/ Bluetooth
➤ NB-IoT

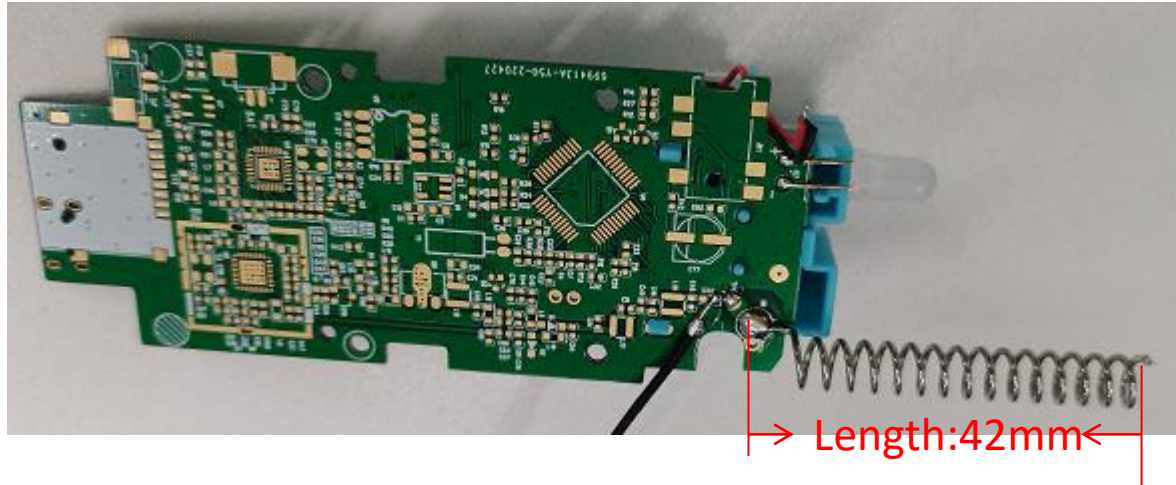


Test photos





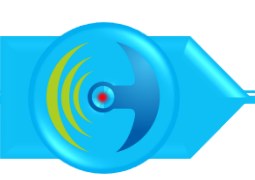
Passive antenna data



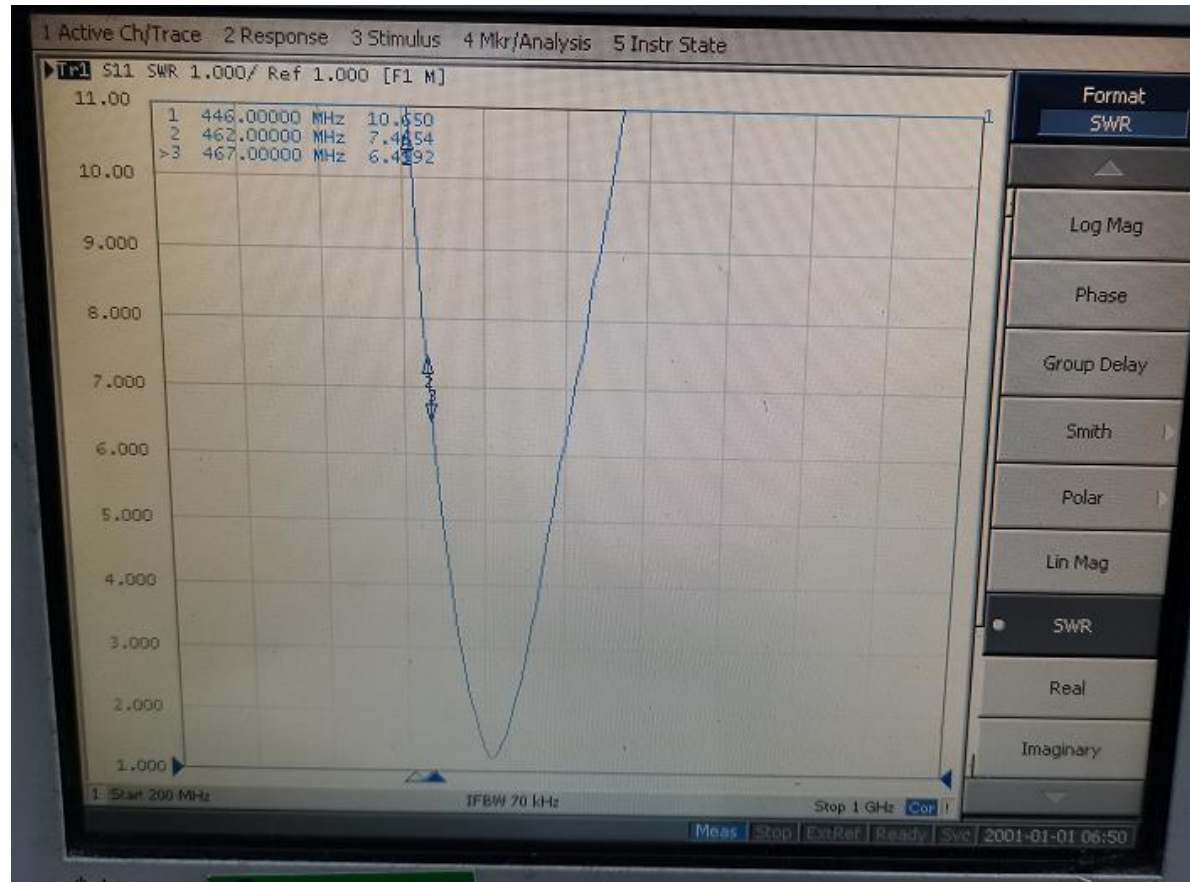
External diameter: 6.0mm

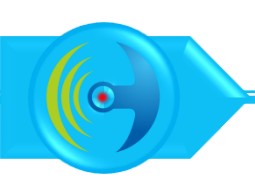
Line diameter: 0.8mm

Number of turns: 15.3T

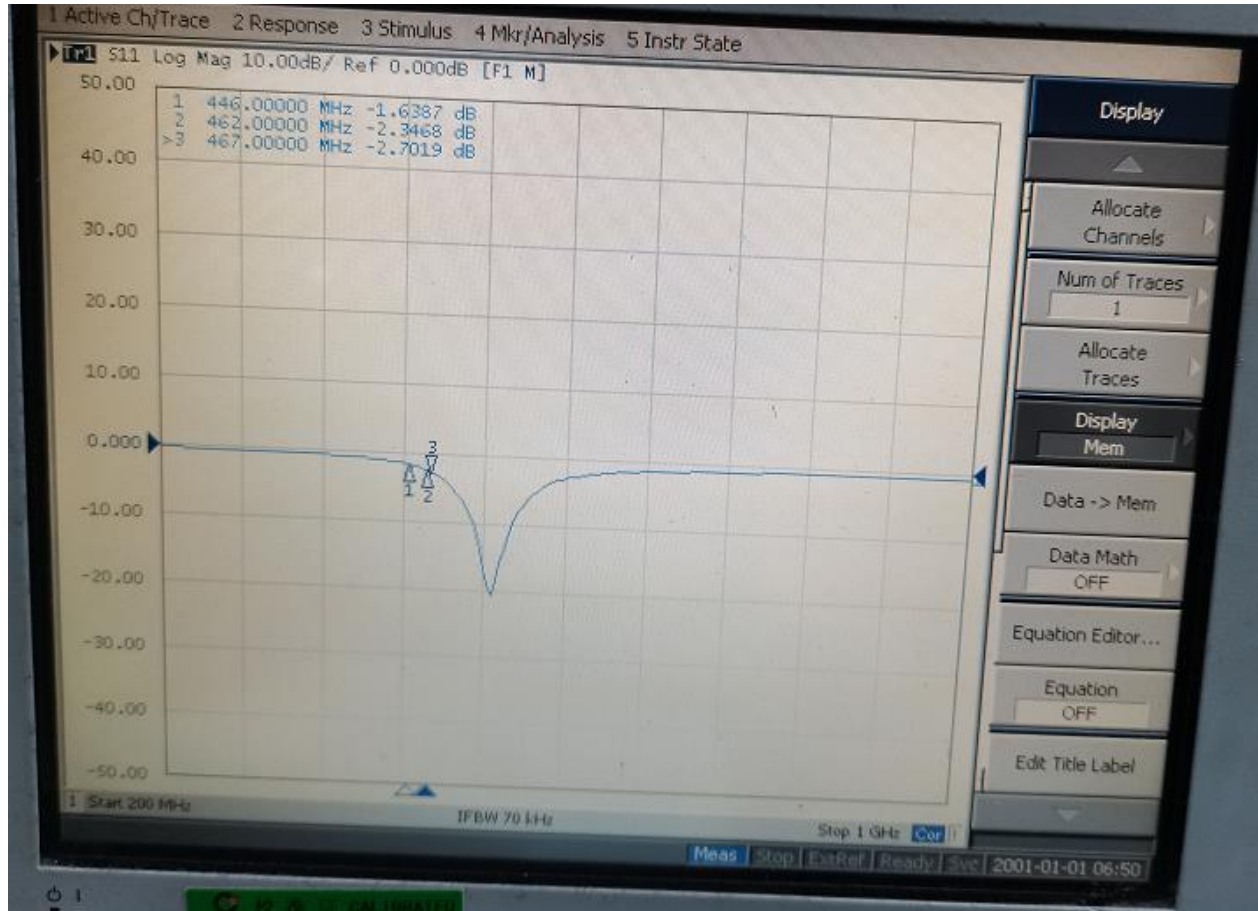


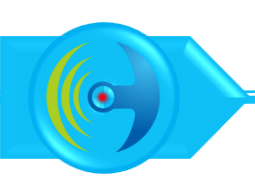
Antenna SWR





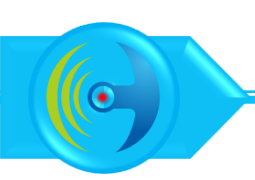
Antenna Return loss



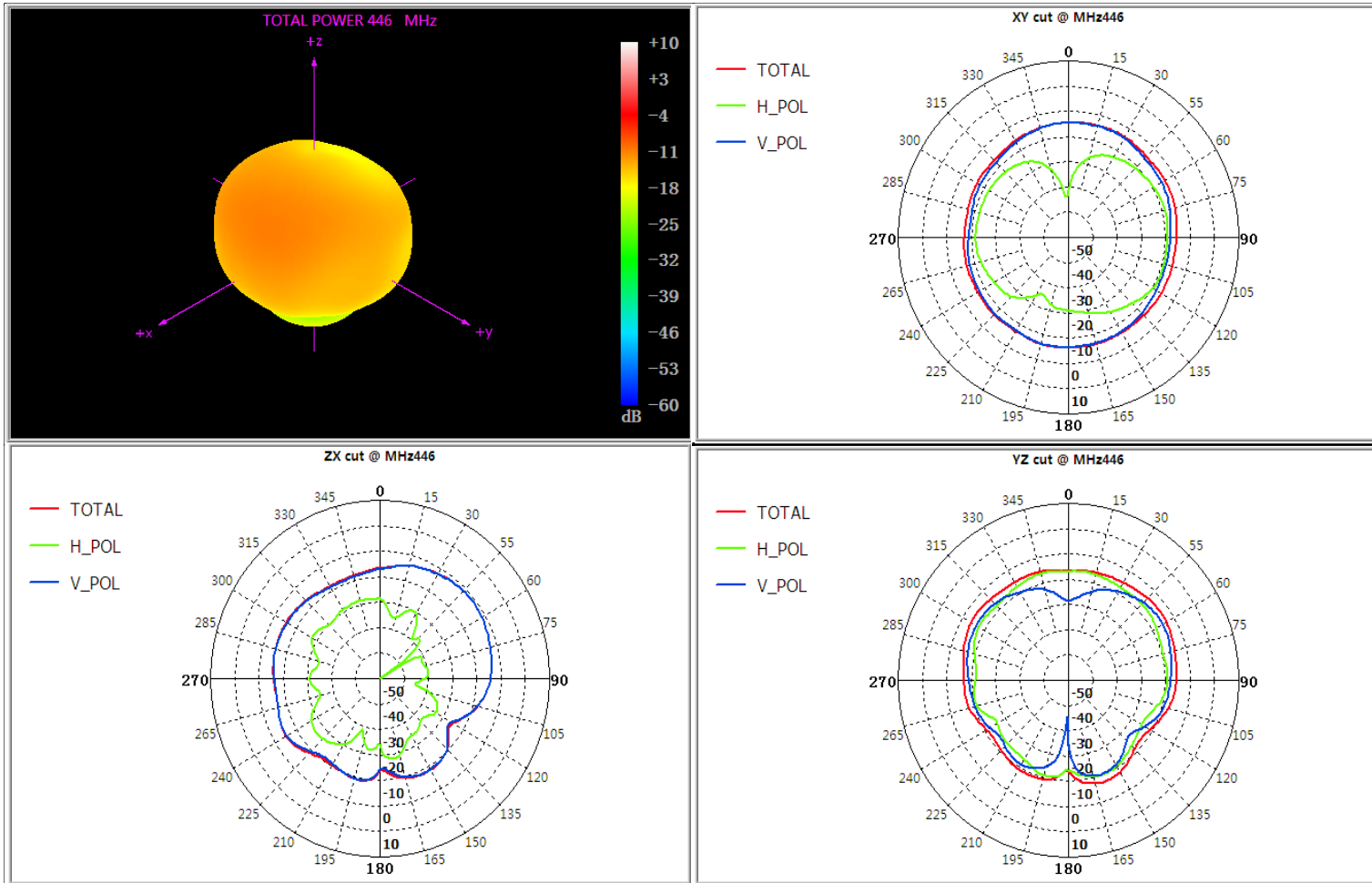


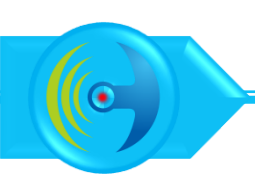
Antenna gain and efficiency

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

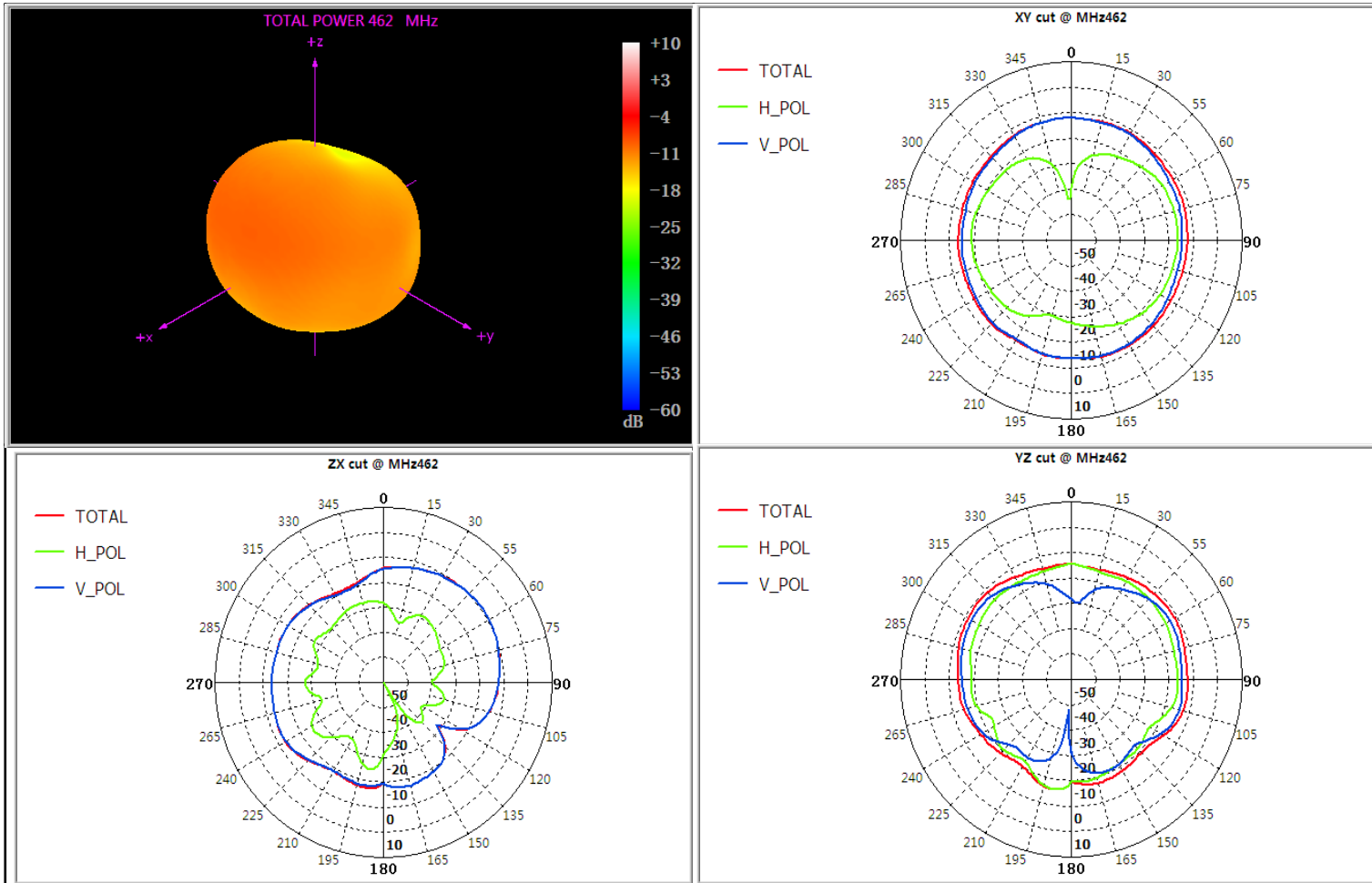


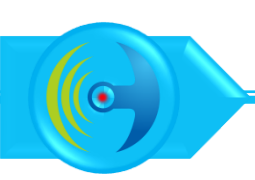
Antenna Radiation Pattern



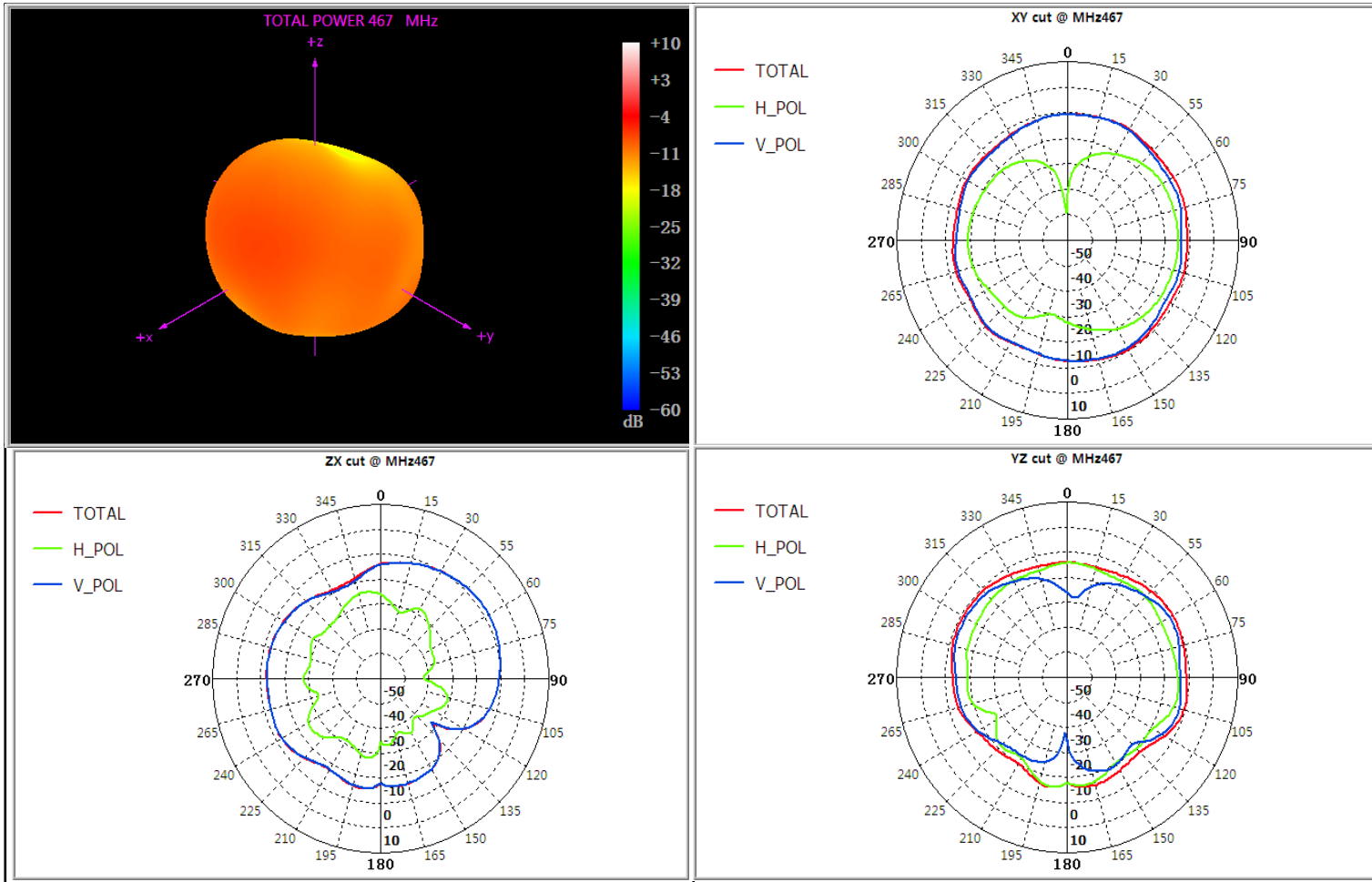


Antenna Radiation Pattern





Antenna Radiation Pattern



Thanks for your support!

TEL:(86)755-23035723. FAX:0755-23036702

E-mail:ant001@fmant.cn

ADD: 303, building C,GUSHU Hengnan Road,Xixiang,Baoan district Shenzhen