

Antenna test report

BP10xx_F Antenna

2023-11-2

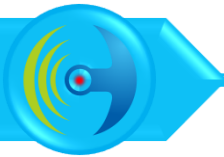
Manufacturer:
Shenzhen Vijim Technology Co., Ltd.

Address:
A1705,Building A,Galaxy World, No.1 Yabao Road, Bantian Street, Longgang District, Shenzhen

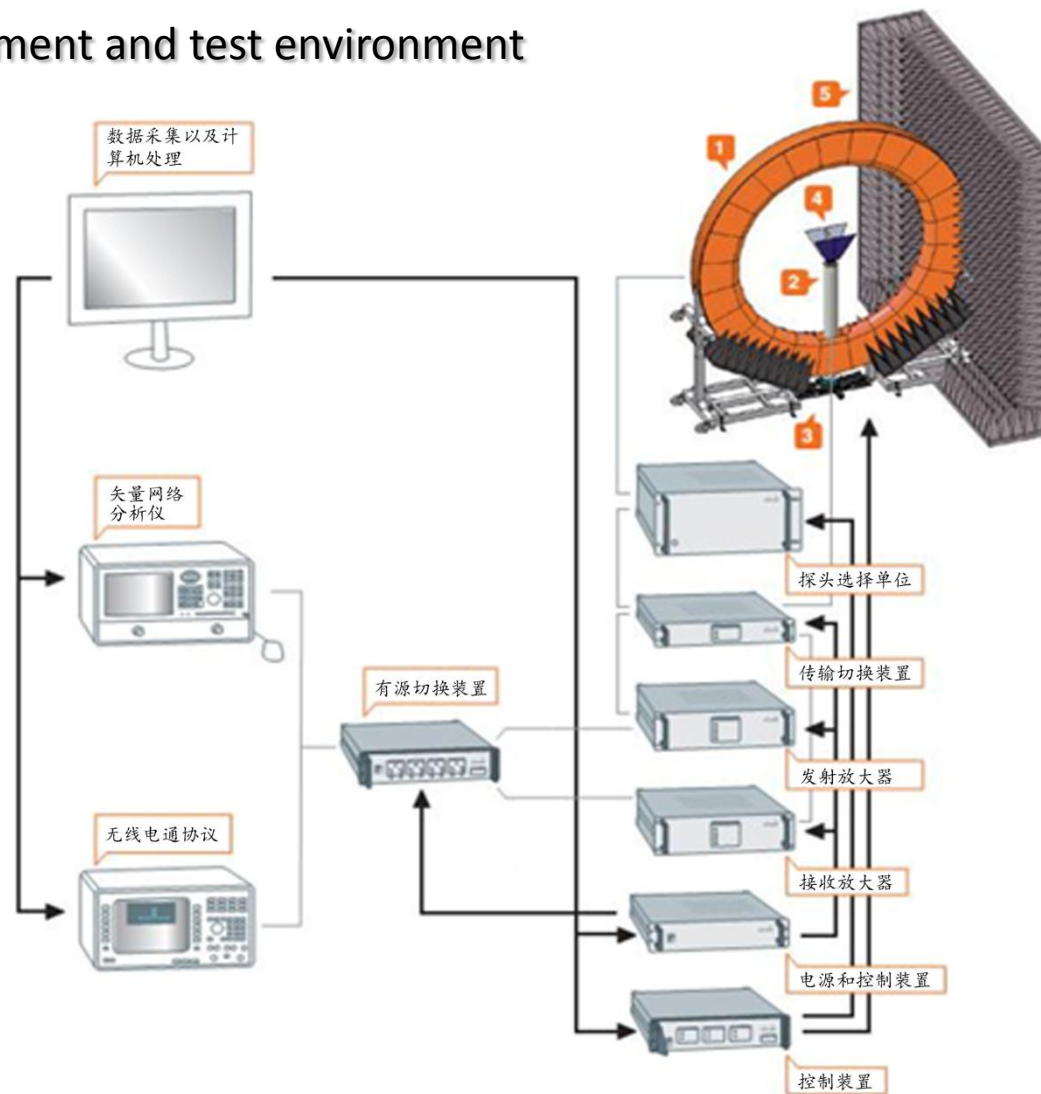
TEL:0755-23035723

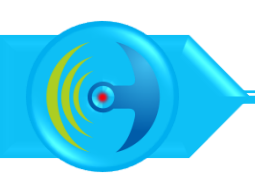
Mail:ant0755@163.com

URL:www.fmant.cn

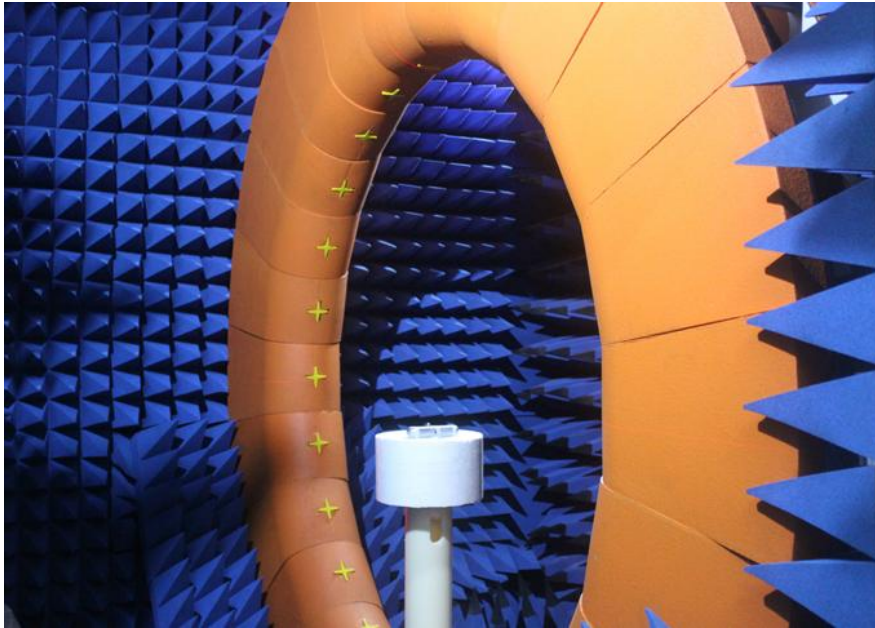


Test equipment and test environment



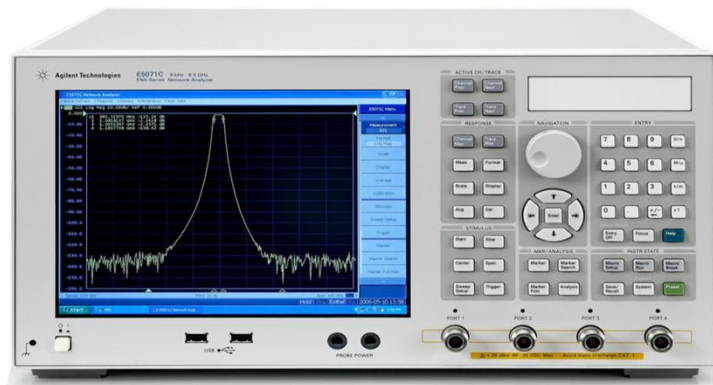


Test equipment



0.4GHz-6GHz

Test equipment



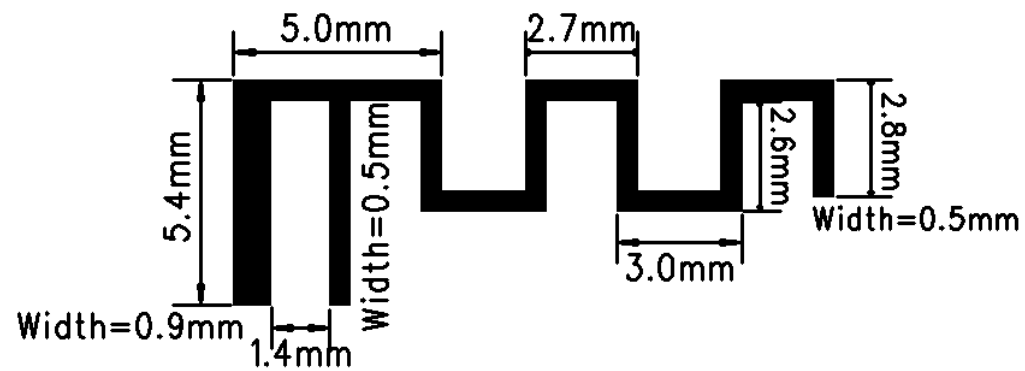
Agilent E5071C

300 kHz - 8.5GHz

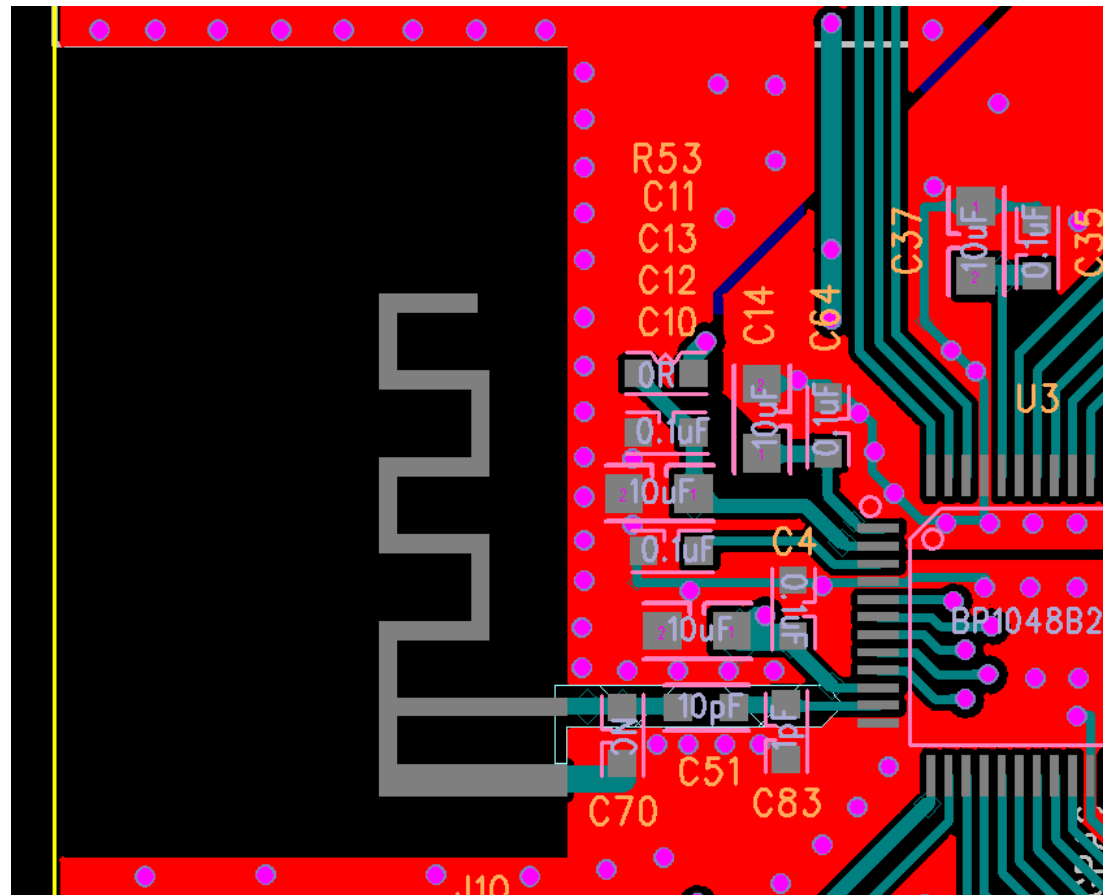


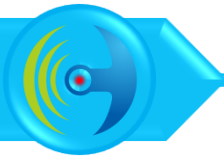
R&S CMW500

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

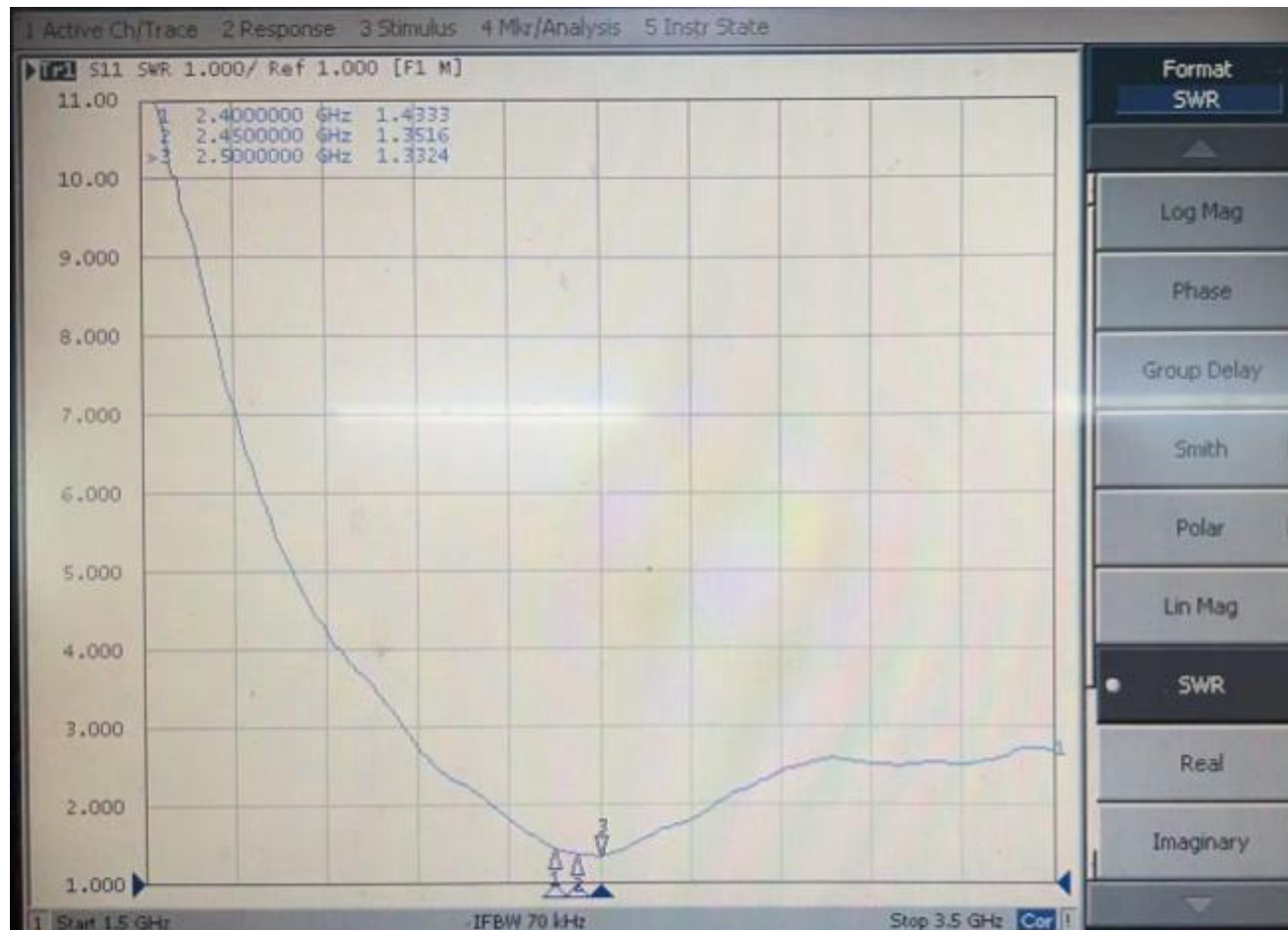


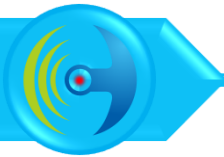
Actual Size



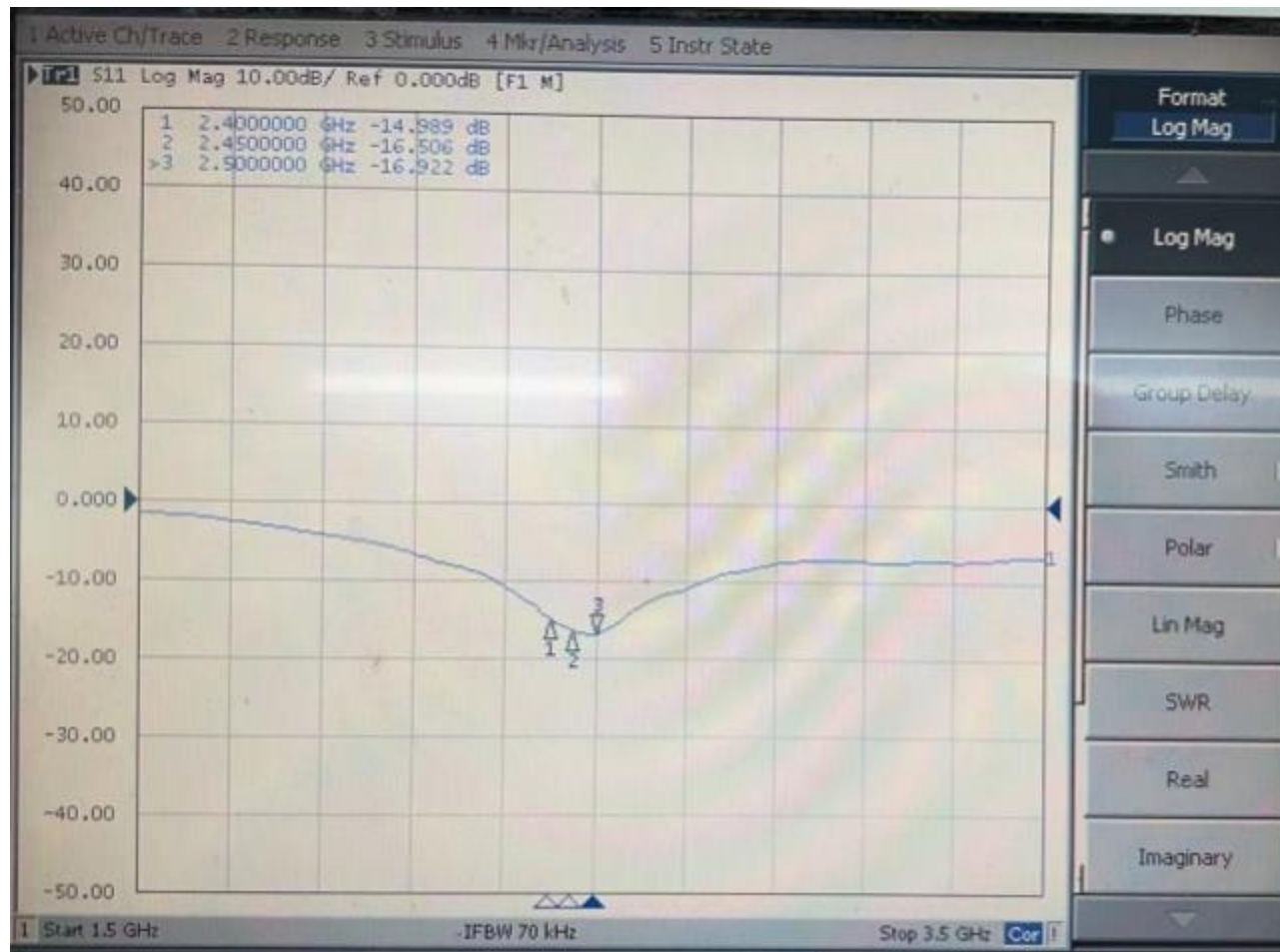


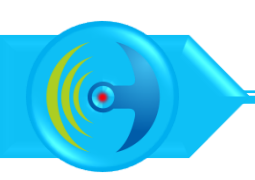
Antenna SWR





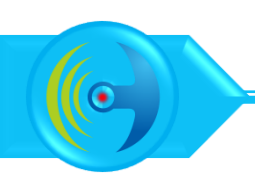
Antenna Return loss





Antenna gain and efficiency

Freq(MHz)	Efficiency (%)	Gain(dBi)
2400 MHz	20.01	-3.5
2410 MHz	20.14	-3.57
2420 MHz	21.05	-3.09
2430 MHz	21.64	-2.74
2440 MHz	22.82	-2.26
2450 MHz	23.48	-1.52
2460 MHz	23.67	-0.81
2470 MHz	24.55	-0.32
2480 MHz	25.12	0.0
2490 MHz	26.15	-0.18
2500 MHz	27.3	-0.20



Antenna Radiation Pattern

