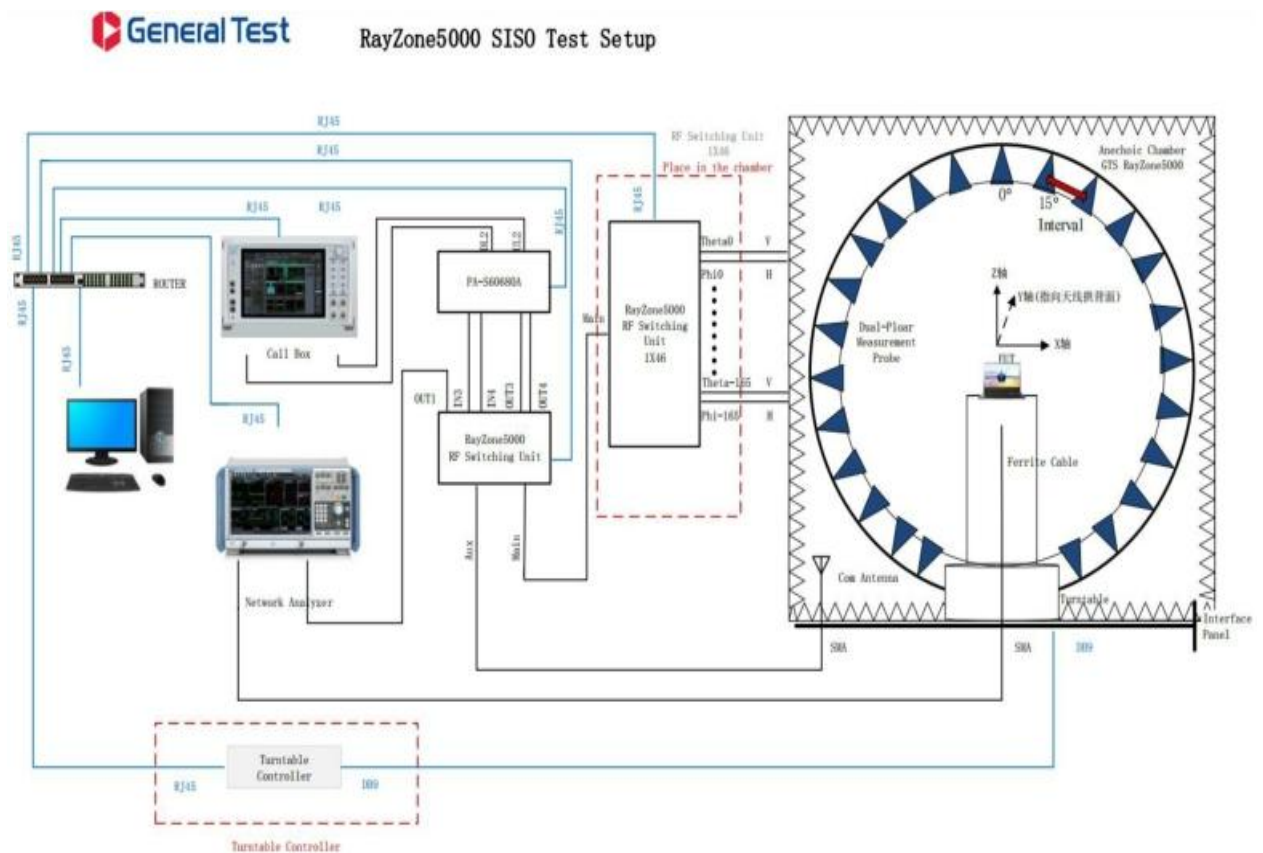


天线报告Antenna report

Manufacturer : ShenZhen ShanWan Technology Co., Ltd
Add: 5 / F, building 33, chentian Industrial Zone, chentian community, Xixiang street,
Bao'an District, Shenzhen, Guangdong China
Model:Q42

1.测试原理Test principle



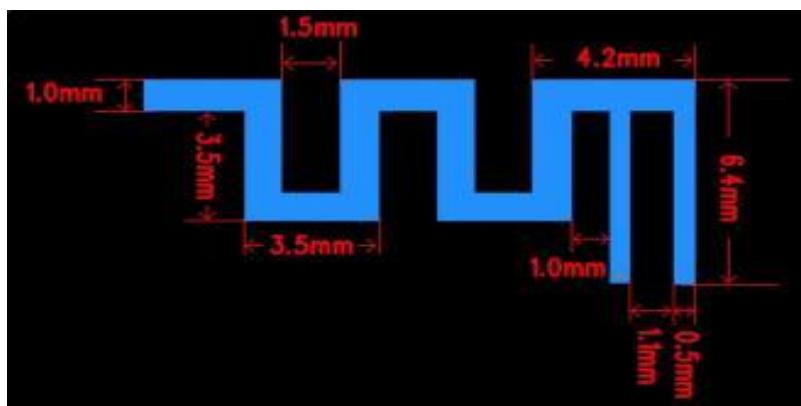
2. 测试设备Test equipment

名称name	型号model	设备编号NO.	厂商manufacturer	校准日期Calibration date	下次校准日期Date of next calibration
OTA 测试系统 Test system	RayZone-5000	RFI-LAB-RF-D00	GTS	2021.3.22	2023.3.21
网络分析仪 Network analyzer	E5071C	RFI-LAB-RF-C02	KEYSIGHT	2022.5.13	2023.5.12
网络分析仪 Network analyzer	E5071C	RFI-LAB-RF-D01	KEYSIGHT	2022.5.13	2023.5.12

3. 测试环境Test environment

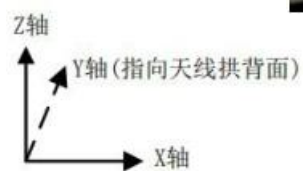
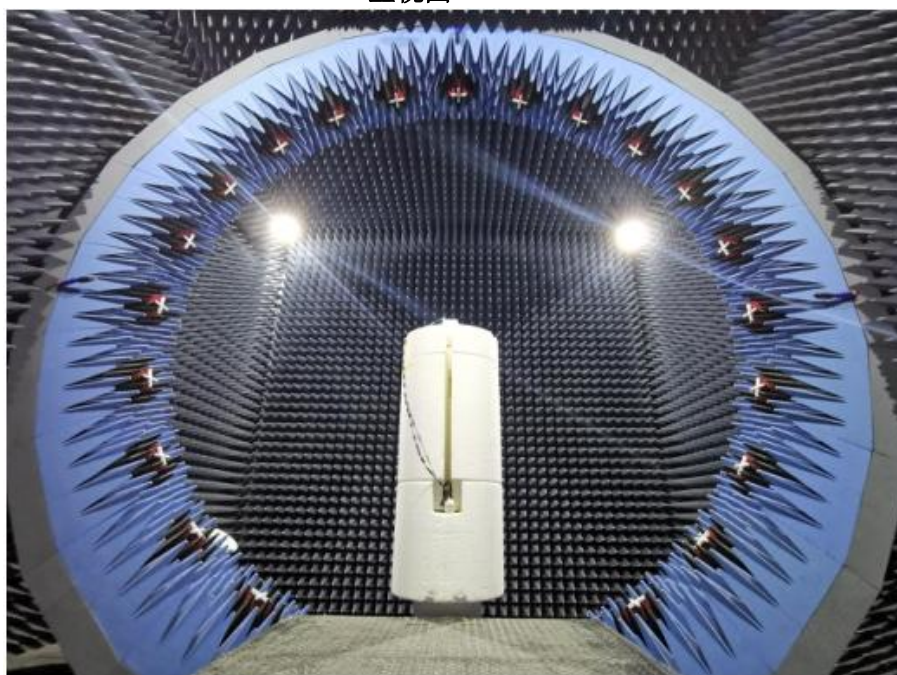
环境温度temperature	23.6℃
相对湿度humidity	58%RH
大气压强 Atmospheric pressure	100.14kPa

4. 样品实物Size



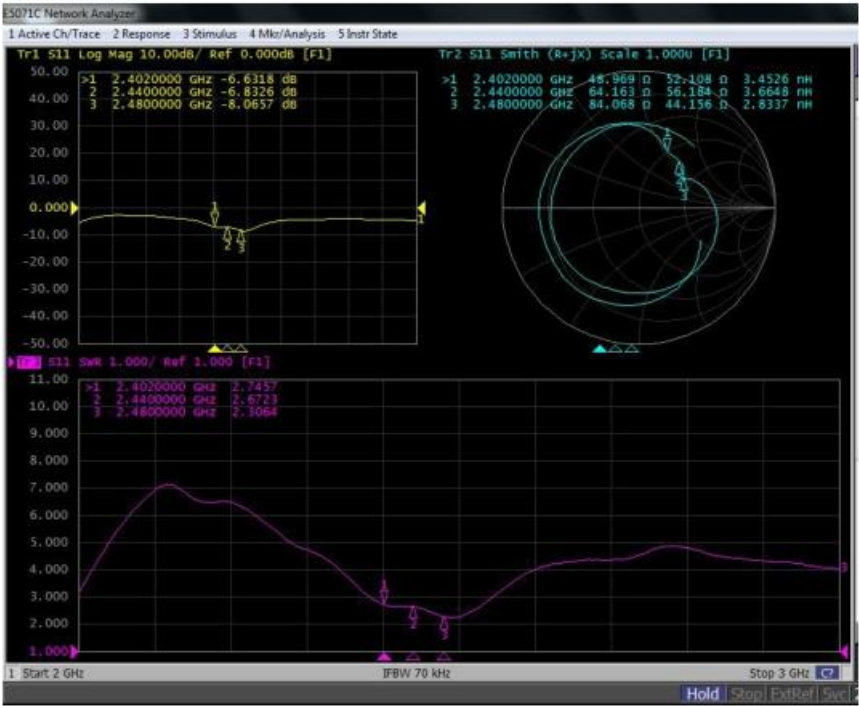
5. 样品实测摆放图 Test Setup

主视图



7. 测试数据Test Data

7.1 网络分析仪测试Data



7.2 VSWR

frequency/MHz	2402	2440	2480
VSWR	1.3910	1.4662	2.0735

7.3 Gain and efficiency

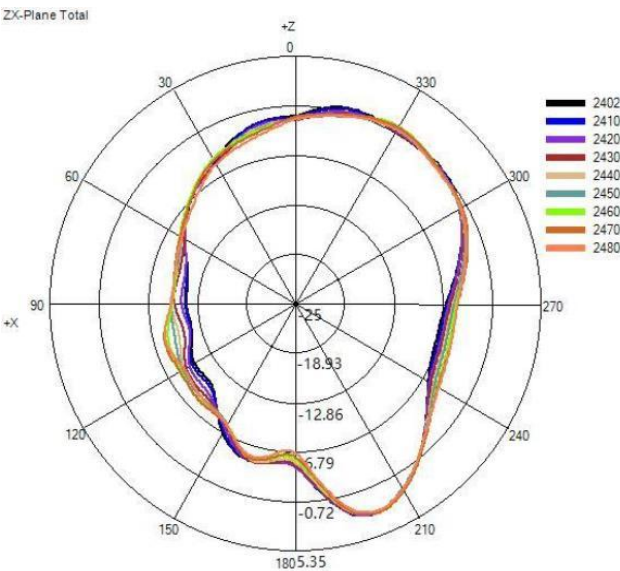
Freq/MHz	2402	2410	2420	2430	2440	2450	2460	2470	2480
Gain/dBi	2.85	2.88	2.79	2.77	2.69	2.52	2.46	2.41	2.03
Effi/%	44.98	45.34	44.93	45.74	46.00	45.14	45.56	44.49	40.81

7.4 Roundness of the directional graph

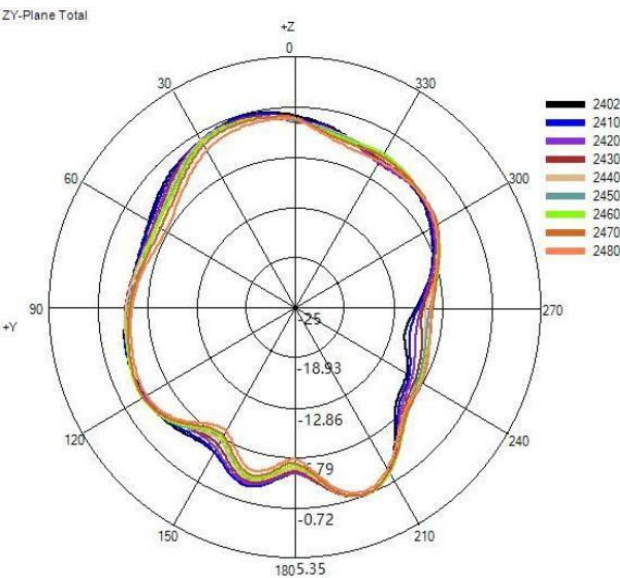
frequency/MHz	2402	2410	2420	2430	2440	2450	2460	2470	2480
H Theta=90/dB	20.55	20.57	20.15	19.12	18.93	20.11	20.49	19.26	16.51

7.5 Directional diagram

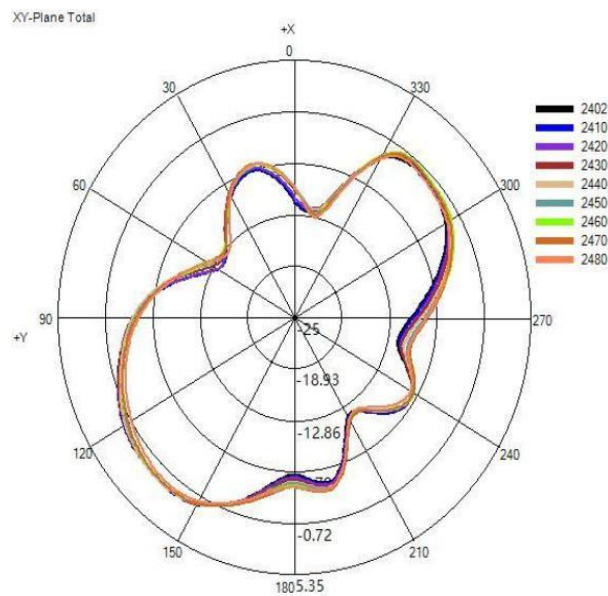
(1) X-Z 面(单位: dBi):



(2) Y-Z (dBi):



(3) X-Y (dBi):



(4) 2410MHz 3D (dBi):

