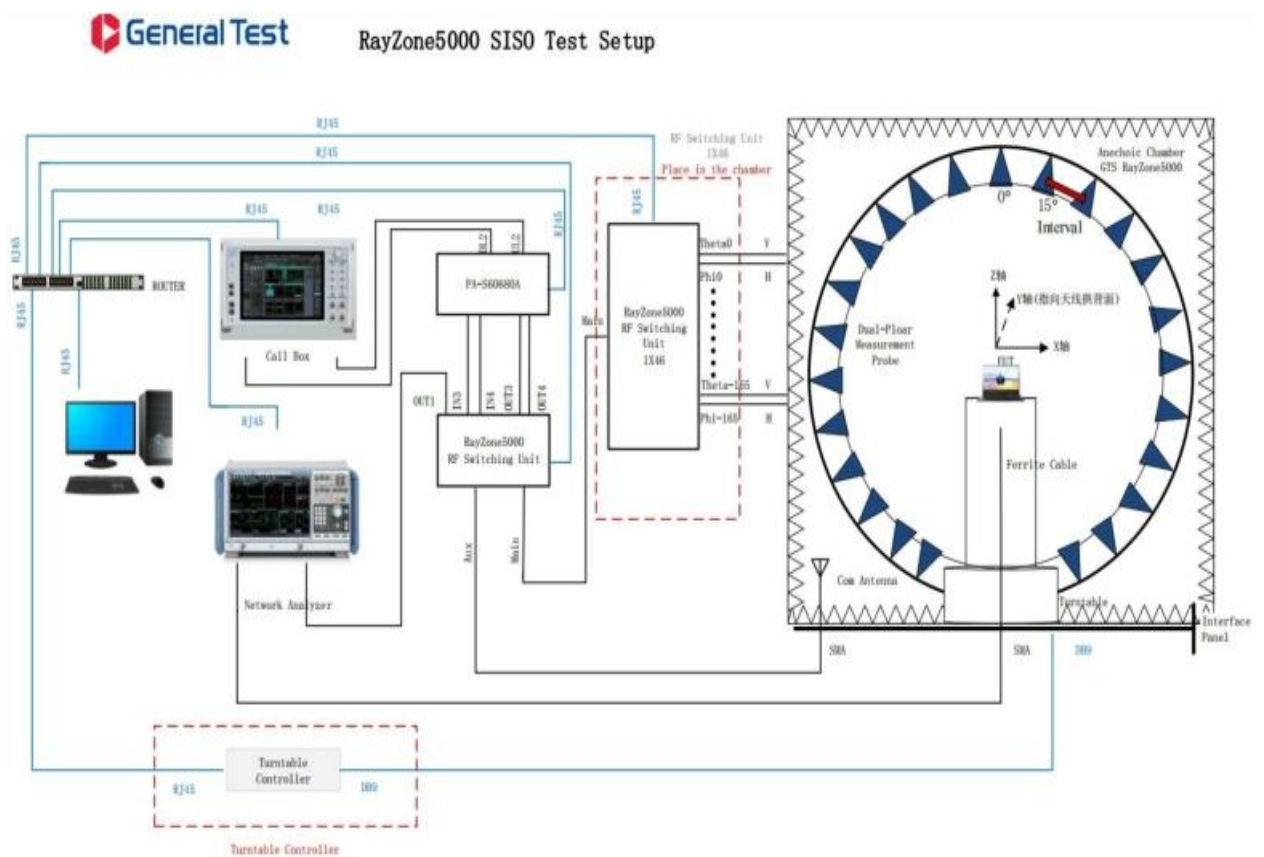


1.est philosophy



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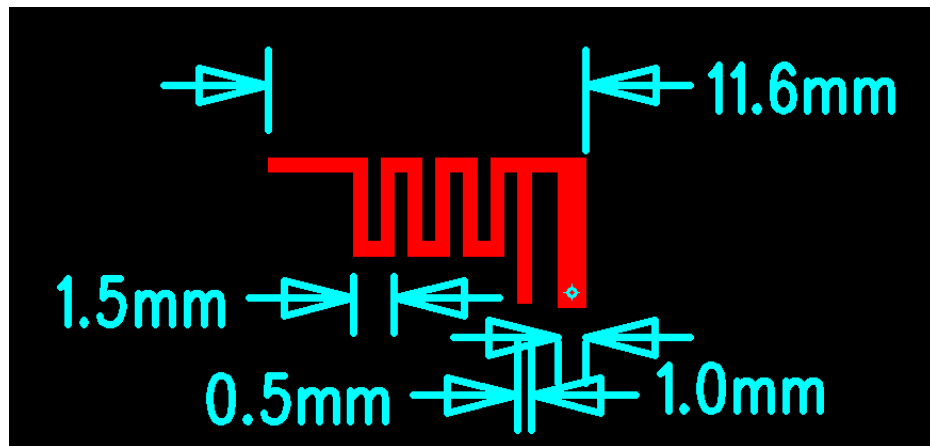
2. est equipment

name	Model	No.	manufacturer	calibration	expire
OTA T e t s	RayZone-5000	RFI-LAB-RF-D00	GTS	2021.3.22	2023.3.21
network analyzer	E5071C	RFI-LAB-RF-C02	KEYSIGHT	2022.5.13	2023.5.12
network analyzer	E5071C	RFI-LAB-RF-D01	KEYSIGHT	2022.5.13	2023.5.12

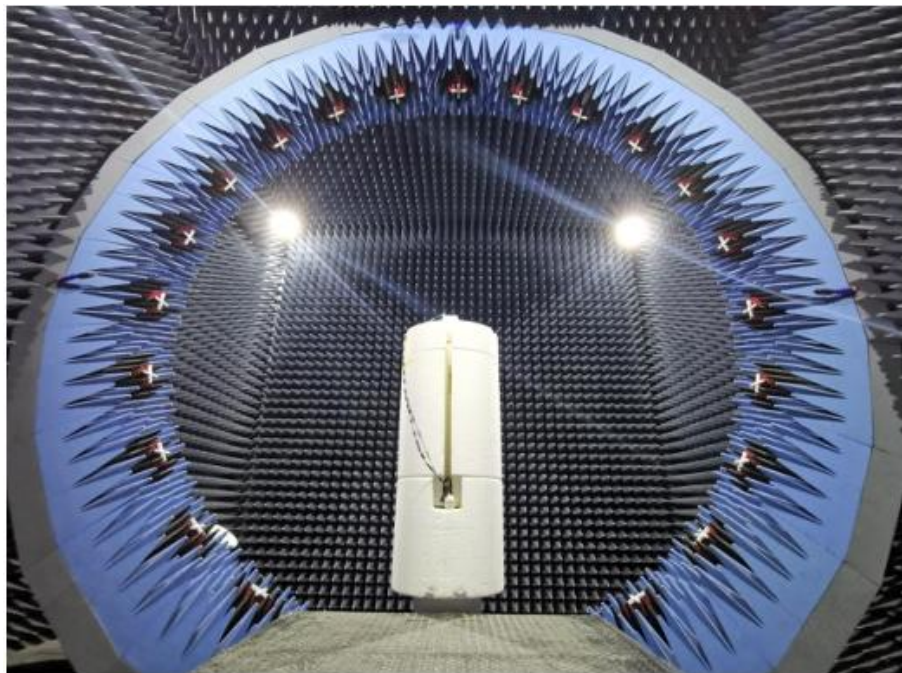
3. testing environment

temperature	23.6℃
humidity	58%RH
atmospheric pressure	100.14kPa

4. Size

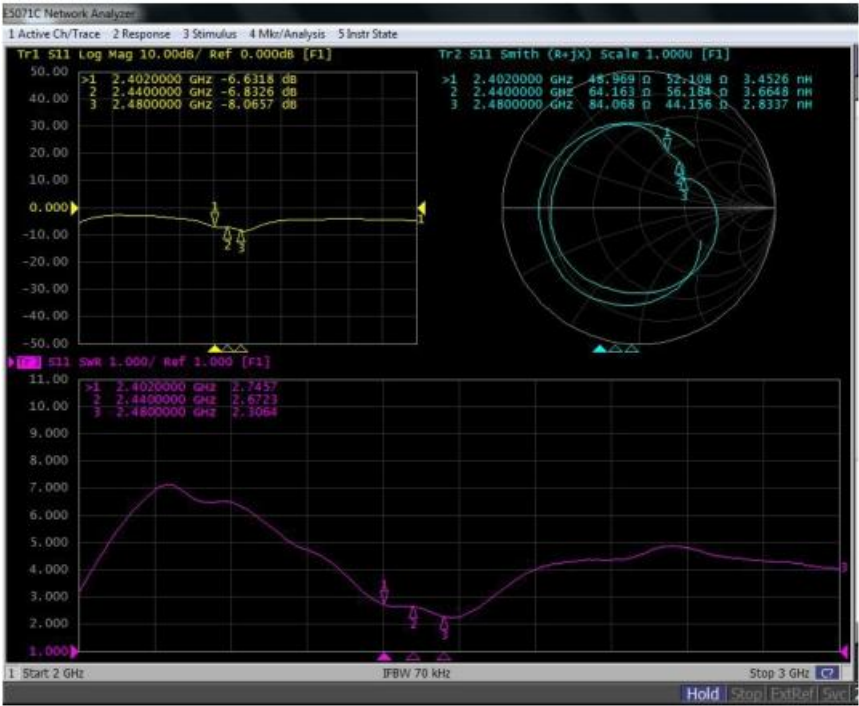


5. Test



6. Test Data

6.1 Network analyzer test



6.2 VSWR

Frequency/MHz	2402	2440	2480
VSWR	2.7457	2.6723	2.3064

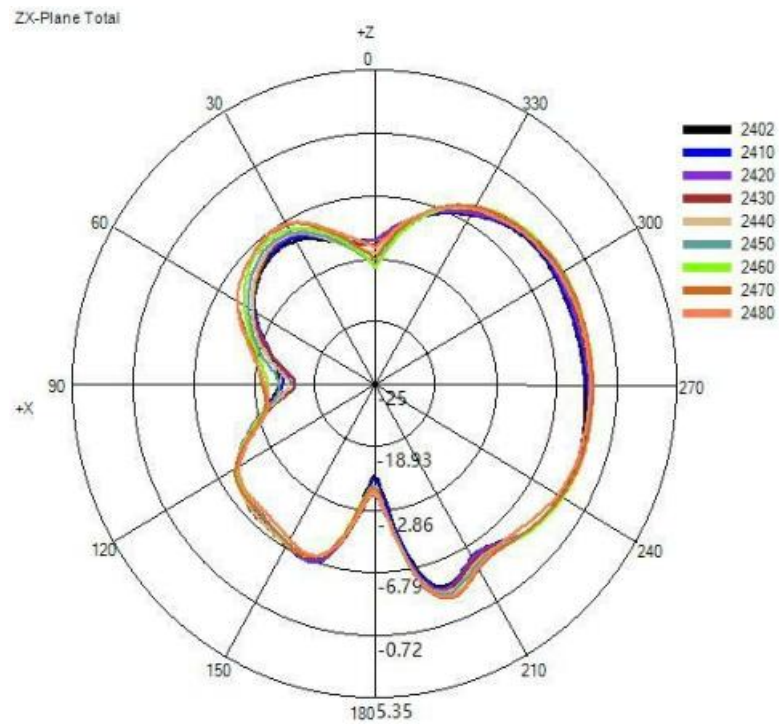
6.3 Gain

Frequency/MHz	2402	2410	2420	2430	2440	2450	2460	2470	2480
Gain/dBi	-1.97	-1.95	-1.63	-1.49	-1.27	-1.06	-0.89	-0.71	-0.95
efficiency/%	17.88	18.34	19.20	19.89	20.58	20.86	21.78	22.18	21.03

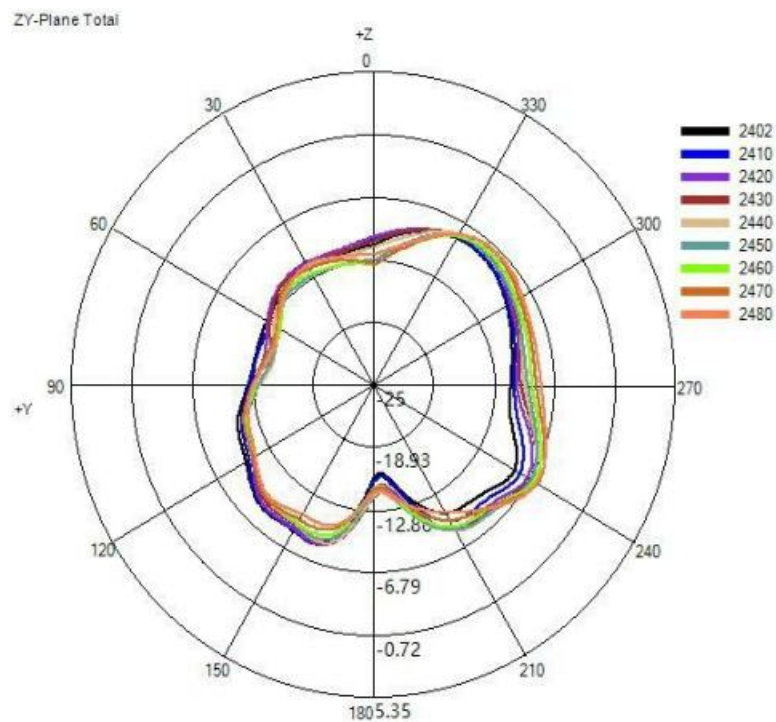
6.4 directional diagram Data

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

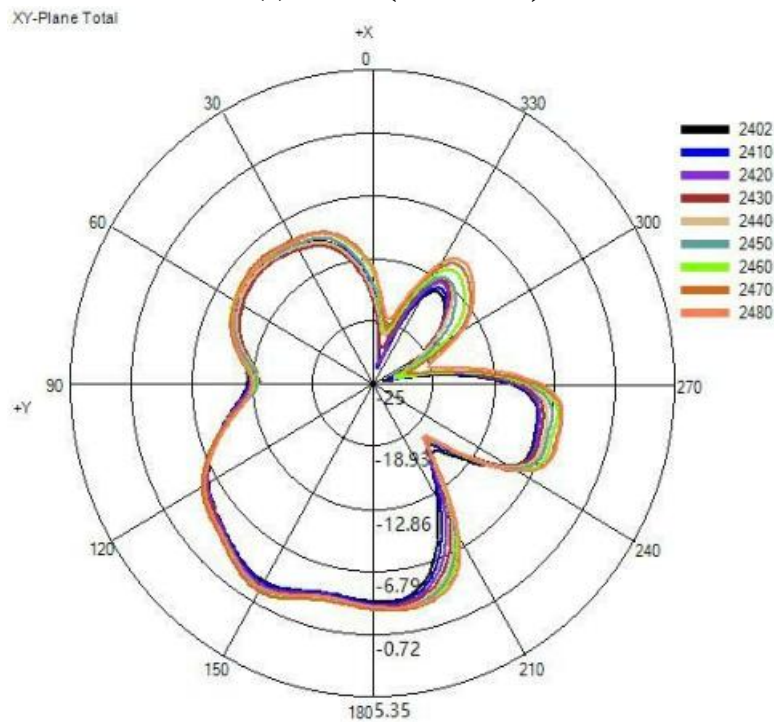
6.5 directional diagram



(2) Y-Z 面(单位: dBi):



(3) X-Y 面(单位: dBi):



(4) 2450MHz 的 3D 方向图(单位: dBi):

