

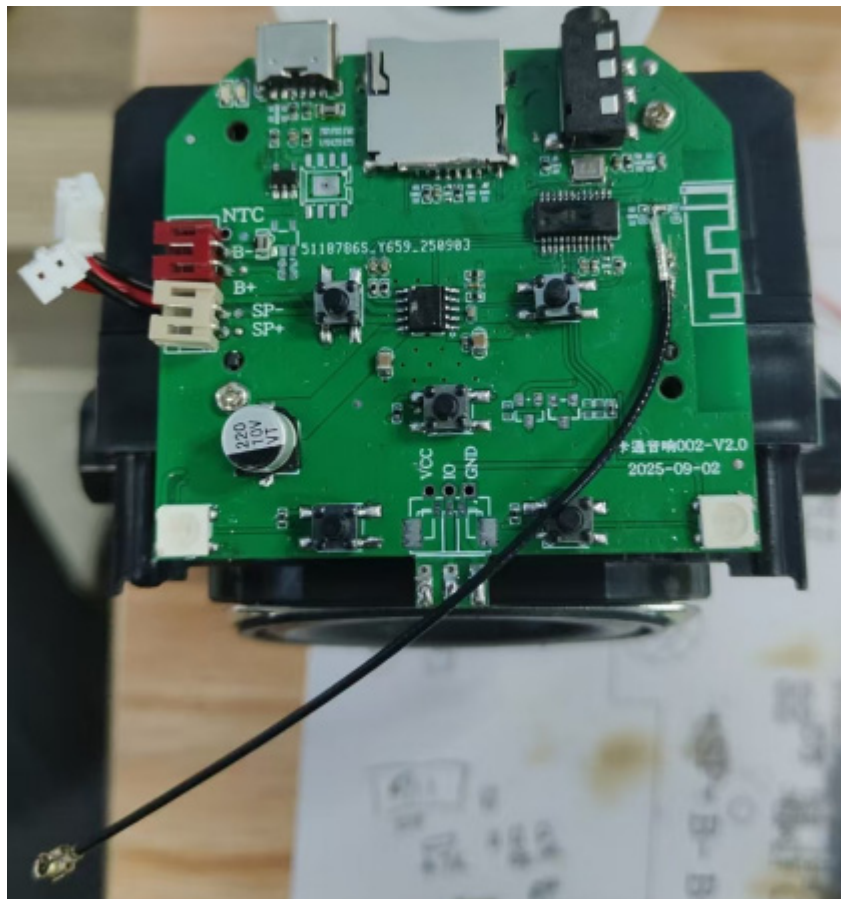
Antenna testing

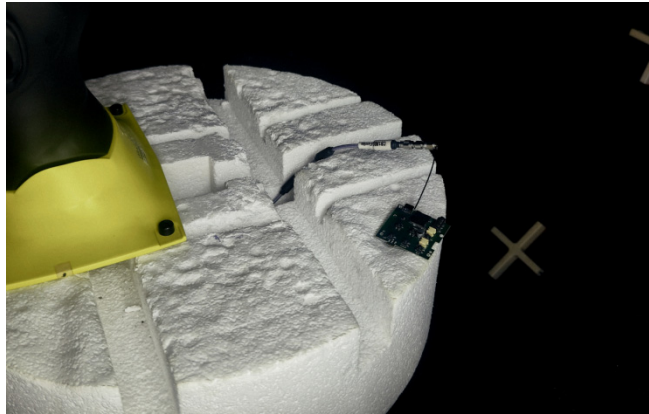
- 1, Hardware testing
- 2, Software testing
- 3, Data reading

1, Hardware testing

1.1, PCBA Bare board testing

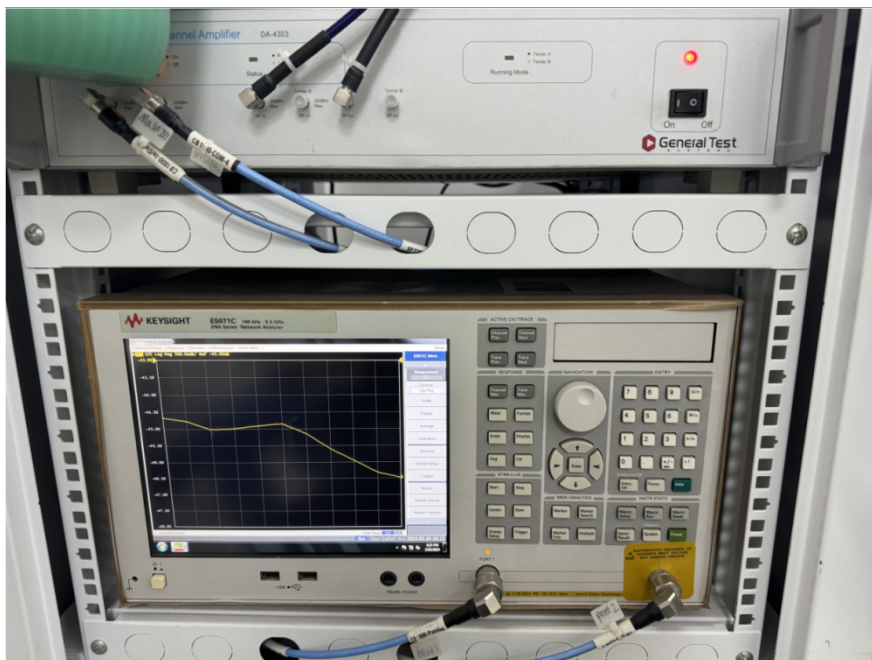
Weld the RF connecting wire to the bare board, and then connect it to the OTA device. The diagram of the RF connecting wire connected to the bare board is shown below:

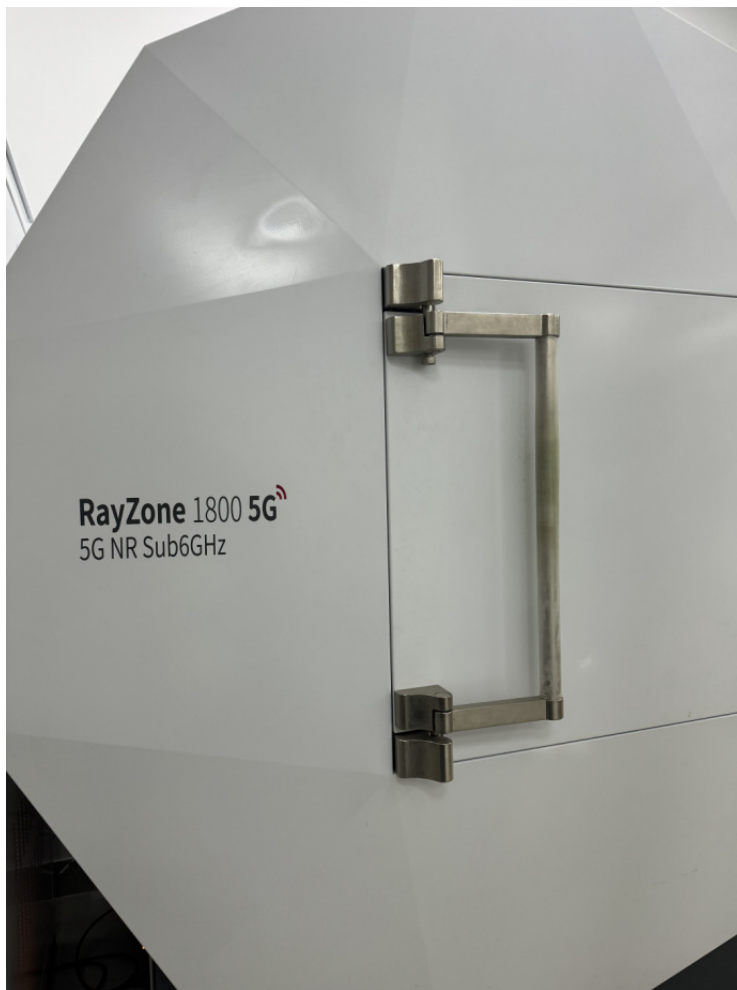




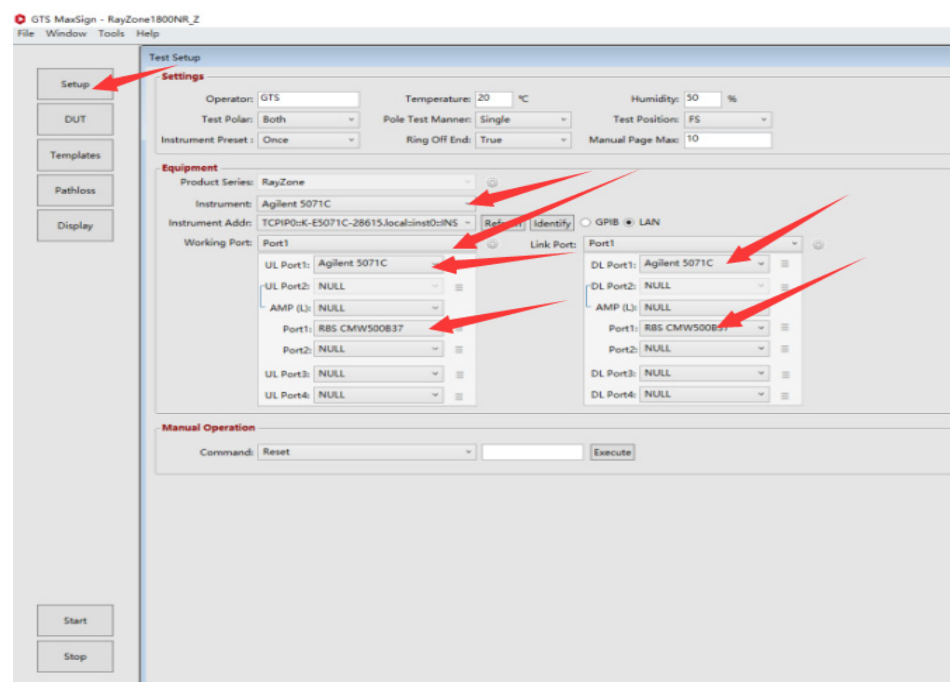
1.2, Equipment environment

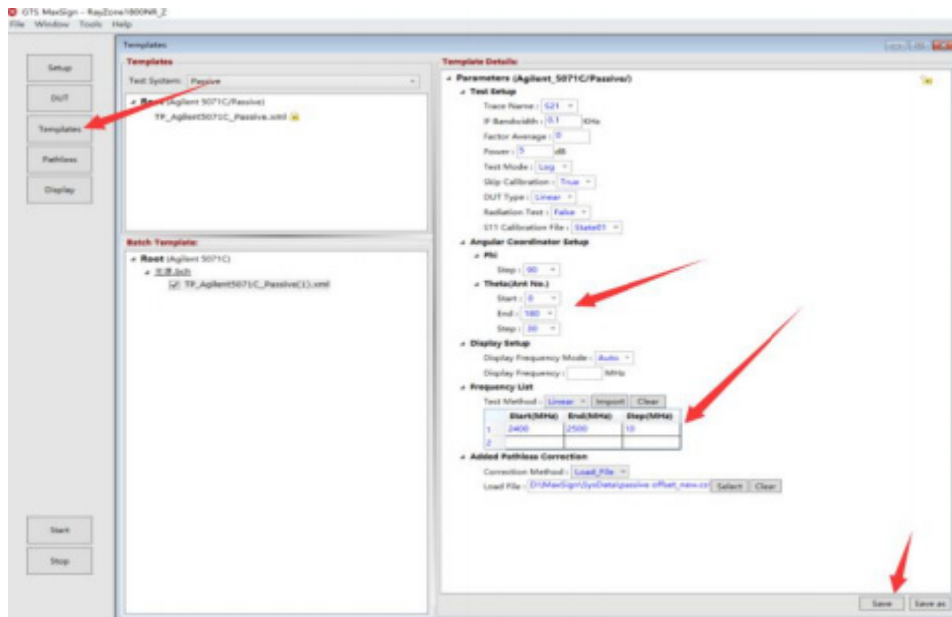
The equipment required for this test includes a computer, spectrum analyzer, amplifier, and anechoic chamber, as shown in the figure below:





2, Software Testing

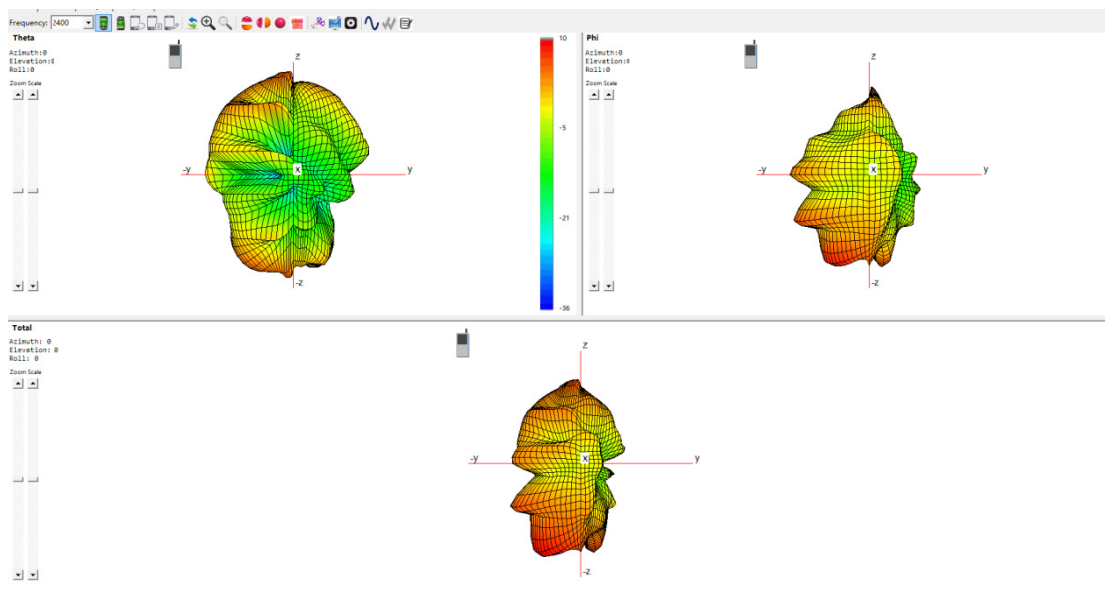




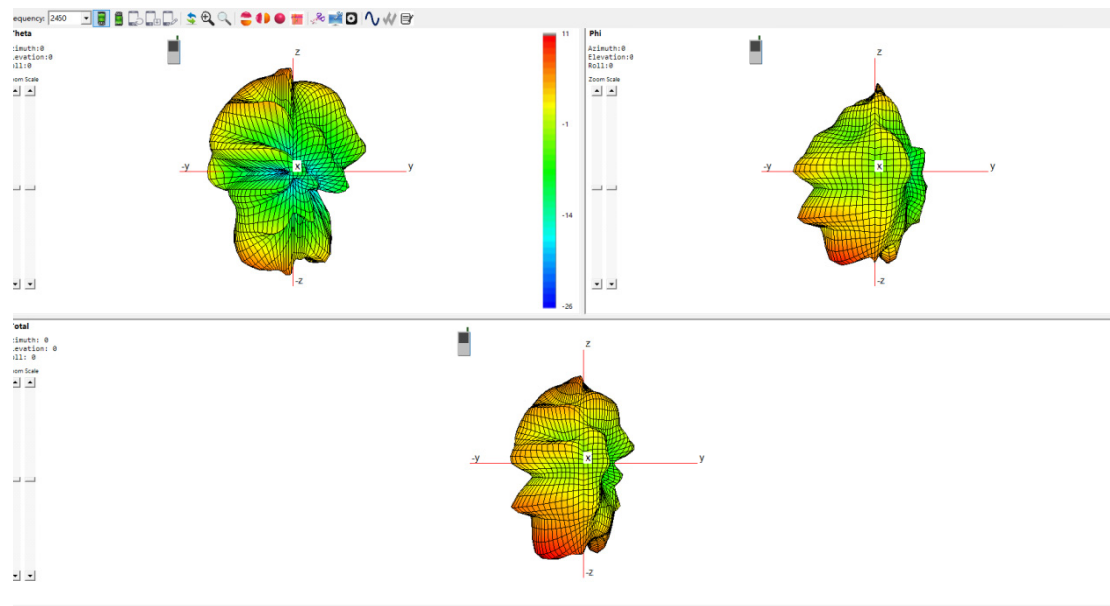
3, Data reading

3.1, 3D radiation pattern of scanning antenna

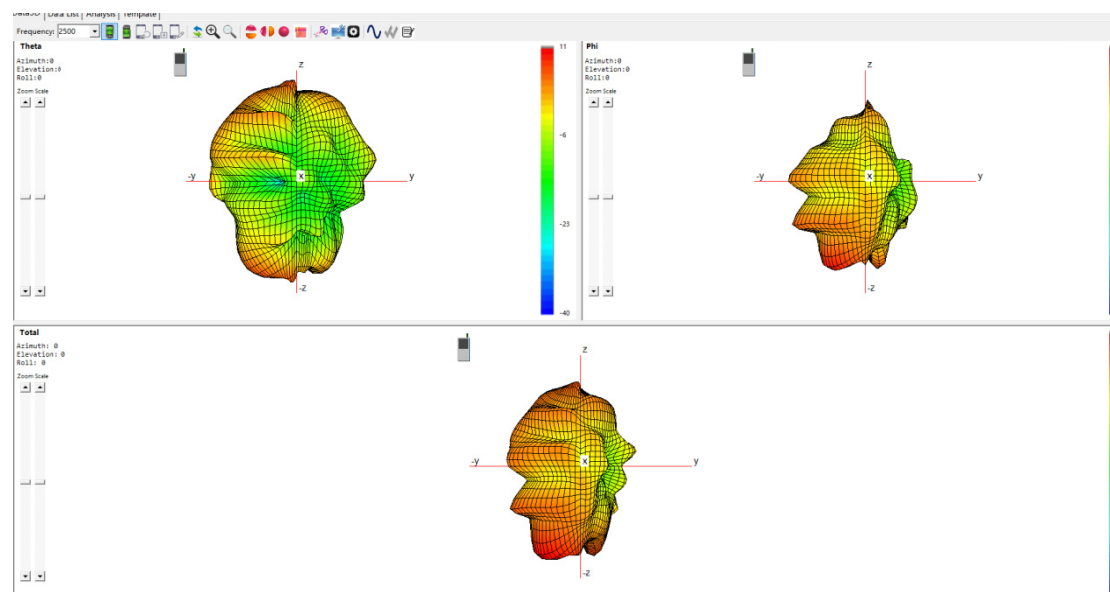
2400MHz:



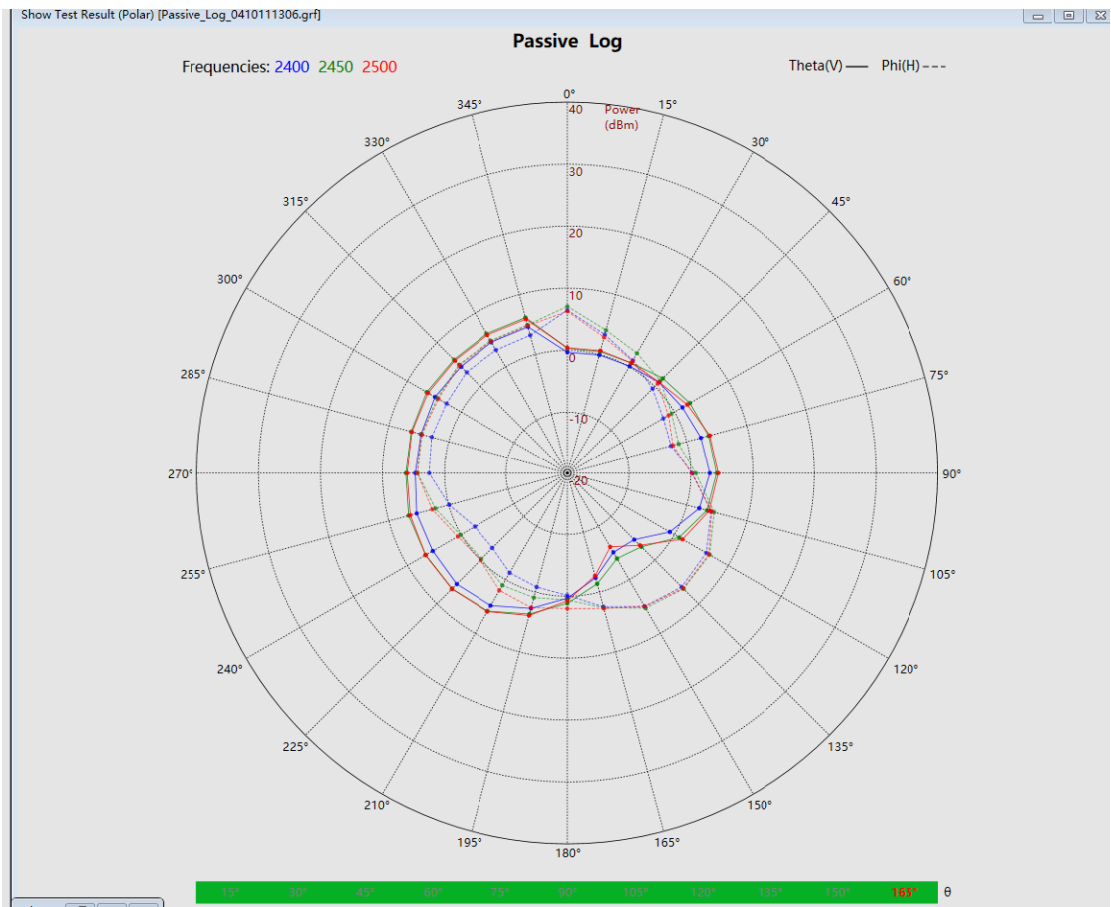
2450MHz:



2500MHz:



3.2, Scanning antenna 2D radiation pattern



3.3, Detailed scan output data results

ITEM	ANT SPEC
Model Name	T50
Antenna plate	PCB antenna
MAX.Gain	0dBi
Polarization	Horizontal and Vertical
Impedance	50Ohm
Manufacture	Shenzhen Ruijixin Technology Development Co., Ltd
Address:	Room 520, Building 4, Yusheng Complex, No. 98, Ziyou Road, Area 47, Fanshen Community, Xin'an Street, Bao'an District, Shenzhen
Test Engineer	Yifan

AntennaPhouo&Length(mm)

