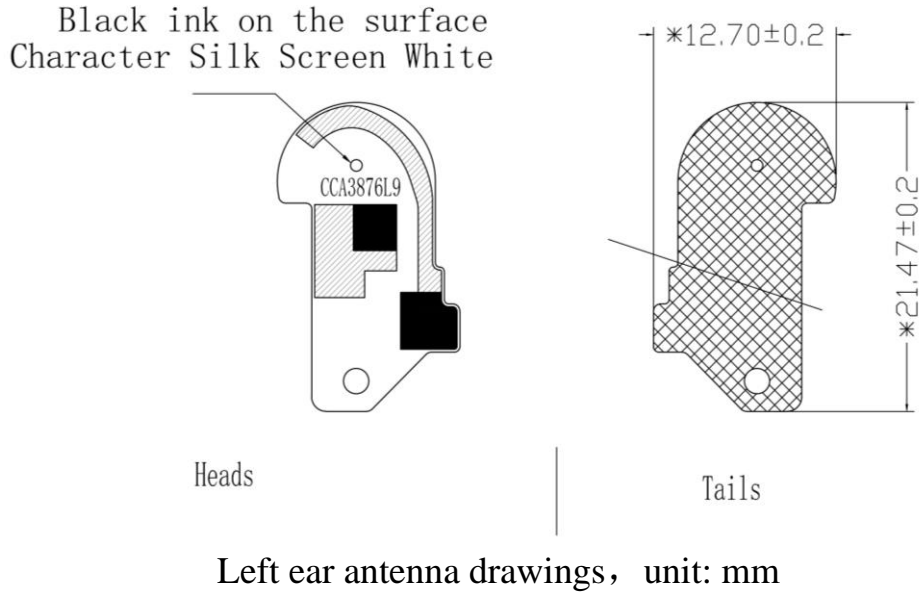
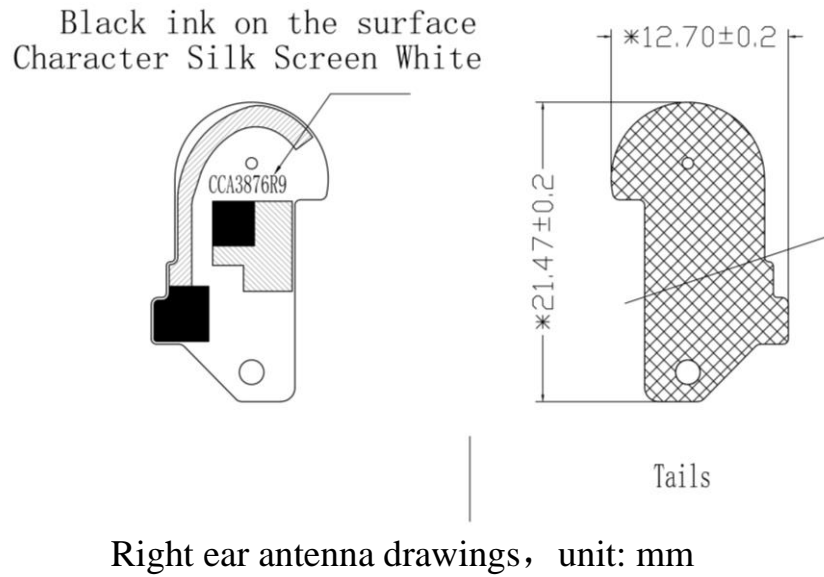


Part II、 Antenna Dimension

2.1 Left Ear Antenna Drawings

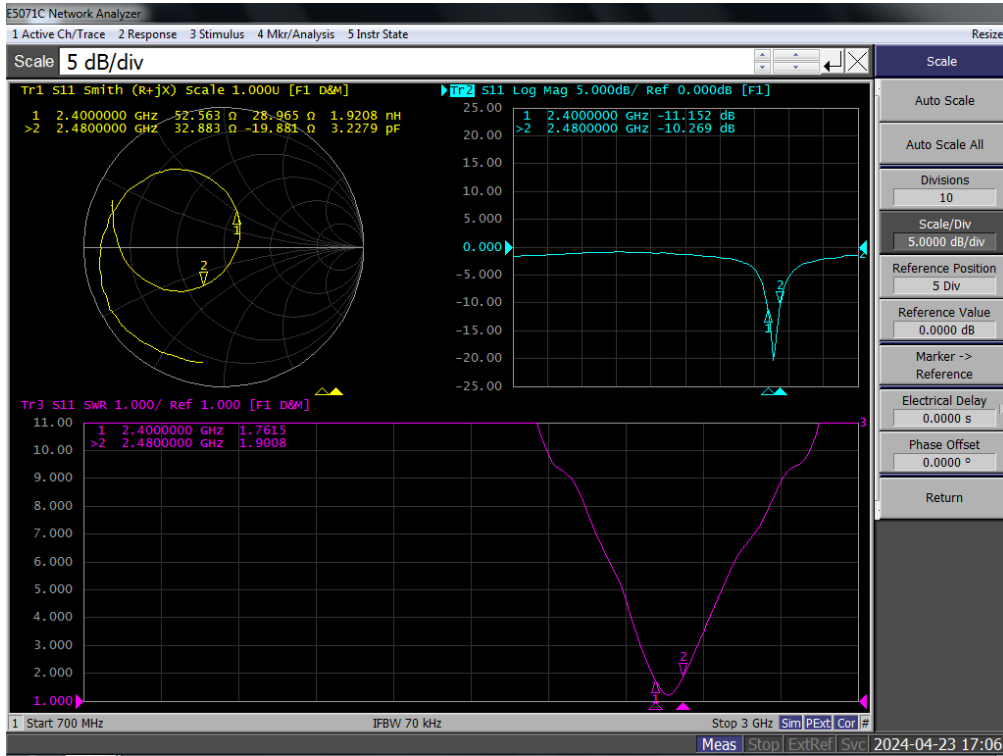


2.2 Right Ear Antenna Drawings

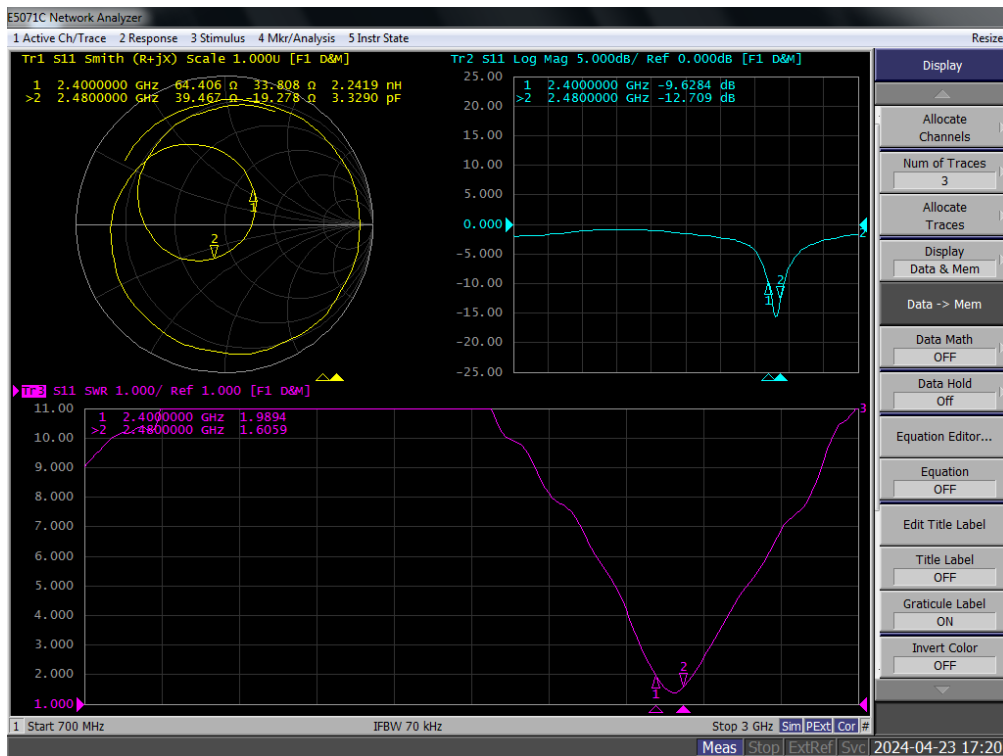


3.2 Return Loss

The figure below shows the return loss value of the antenna operating band.



Left ear



Right ear

3.3 Antenna Efficiency

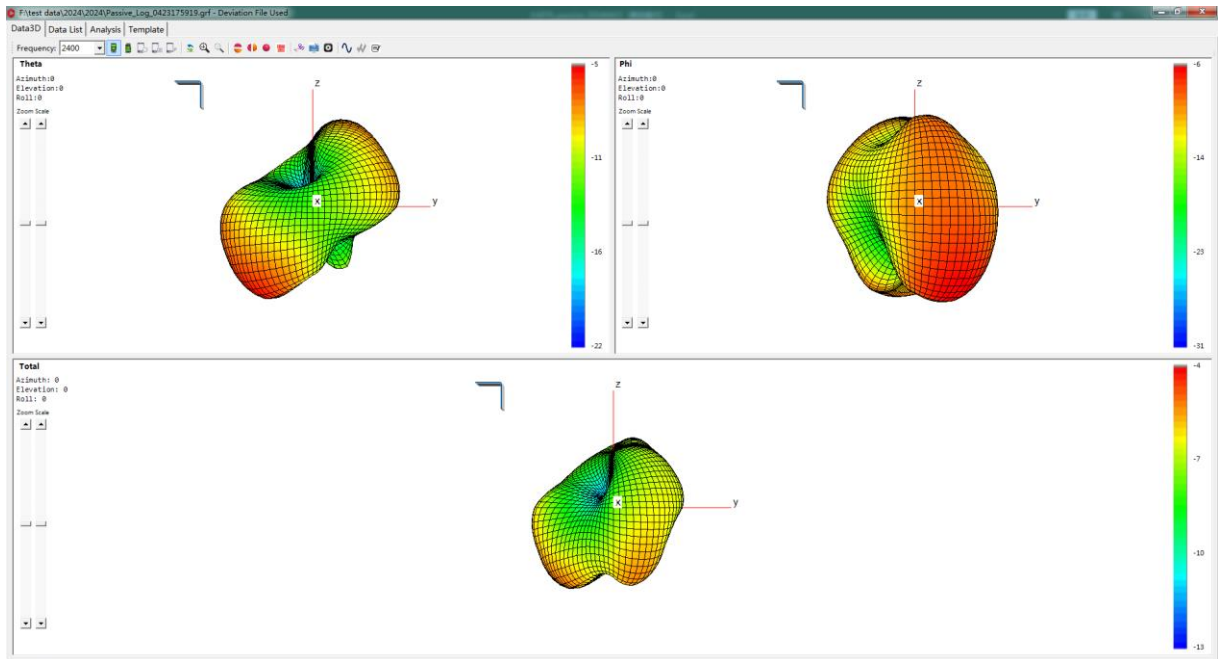
Left Ear			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency(%)
2400	-4.86	-7.14	19.34
2410	-4.52	-6.85	20.66
2420	-4.34	-6.66	21.60
2430	-4.29	-6.71	21.33
2440	-4.45	-6.91	20.38
2450	-4.40	-6.89	20.44
2460	-4.63	-7.17	19.20
2470	-4.51	-7.12	19.40
2480	-4.54	-7.10	19.50
2490	-5.03	-7.59	17.40
2500	-5.41	-8.05	15.68
Average	-4.6	-7.1	19.5

Right Ear			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency(%)
2400	-5.47	-8.20	15.14
2410	-4.91	-7.62	17.32
2420	-4.50	-7.09	19.55
2430	-4.09	-6.83	20.73
2440	-3.83	-6.69	21.43
2450	-3.47	-6.41	22.84
2460	-3.33	-6.44	22.71
2470	-3.07	-6.25	23.69
2480	-2.91	-6.16	24.21
2490	-3.18	-6.55	22.11
2500	-3.50	-6.96	20.14
Average	-3.8	-6.8	20.9

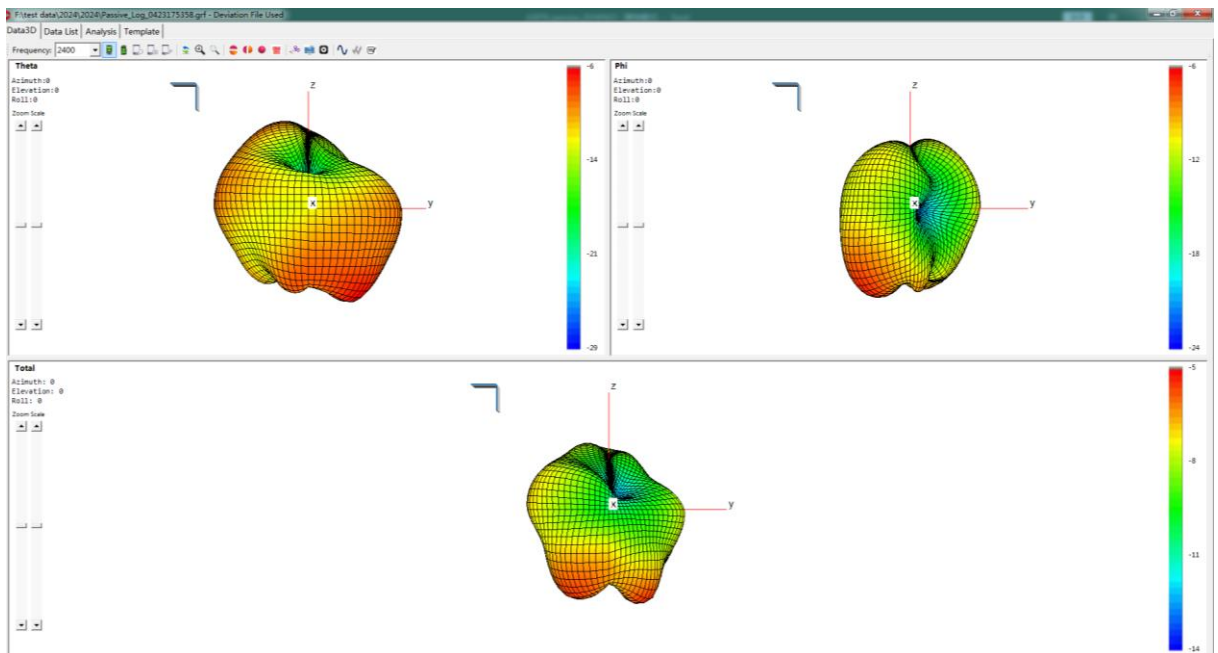
Free space efficiency

3.4 Radiation Pattern

3.4.1 3D Pattern

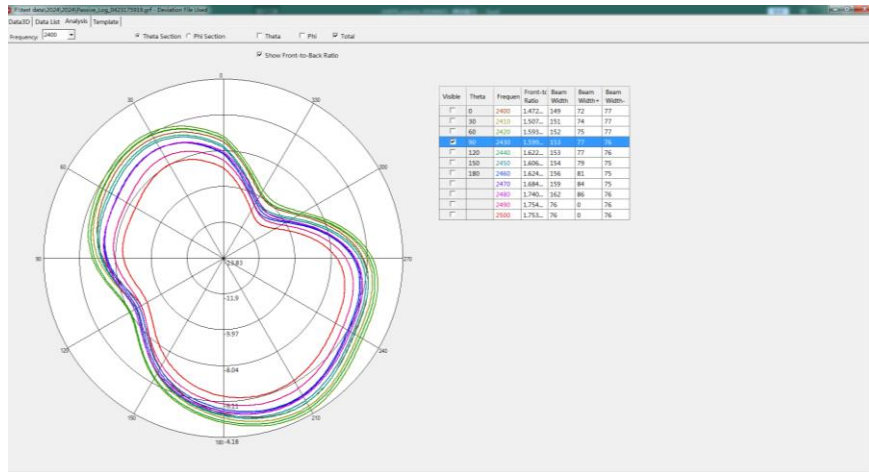


Left Ear 3D Antenna Pattern, unit: dBi

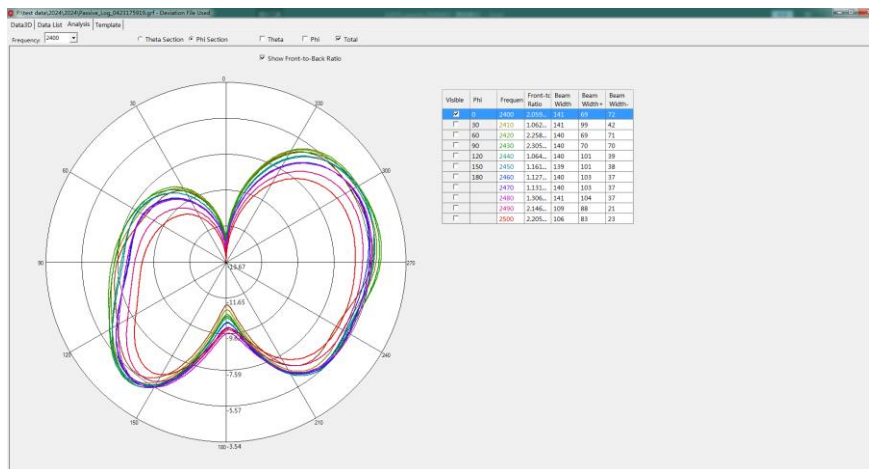


Right Ear 3D Antenna Pattern, unit: dBi

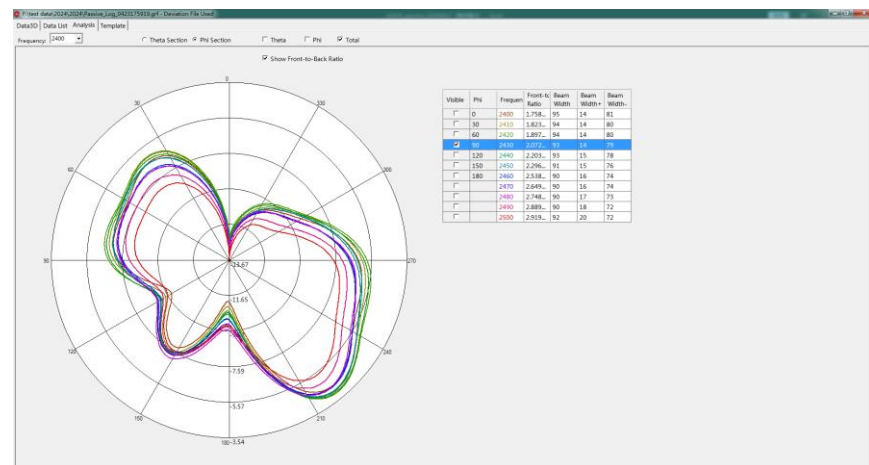
3.4.2 2D Pattern



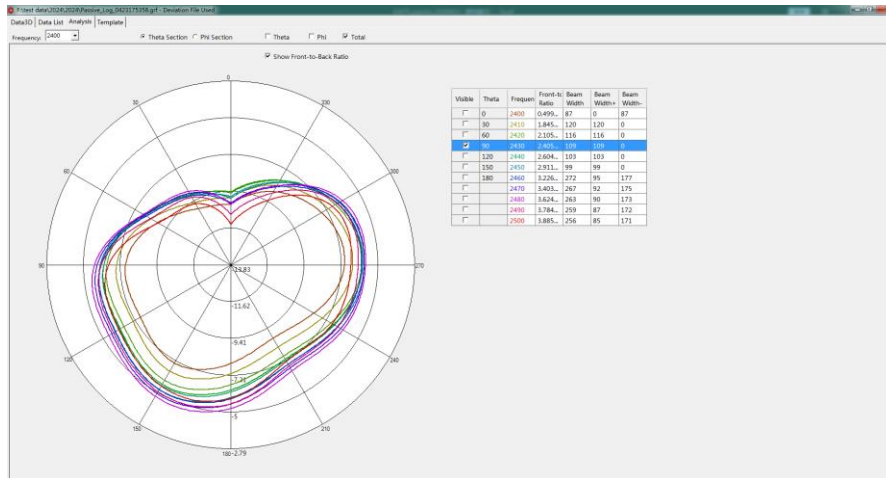
Theta=90° , Left Ear 2D Antenna Pattern, unit: dBi



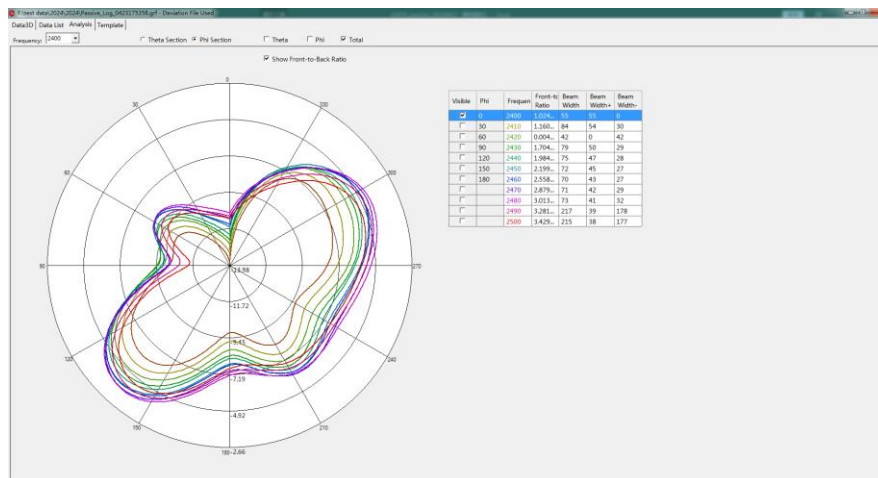
Phi=0° , Left Ear 2D Antenna Pattern, unit: dBi



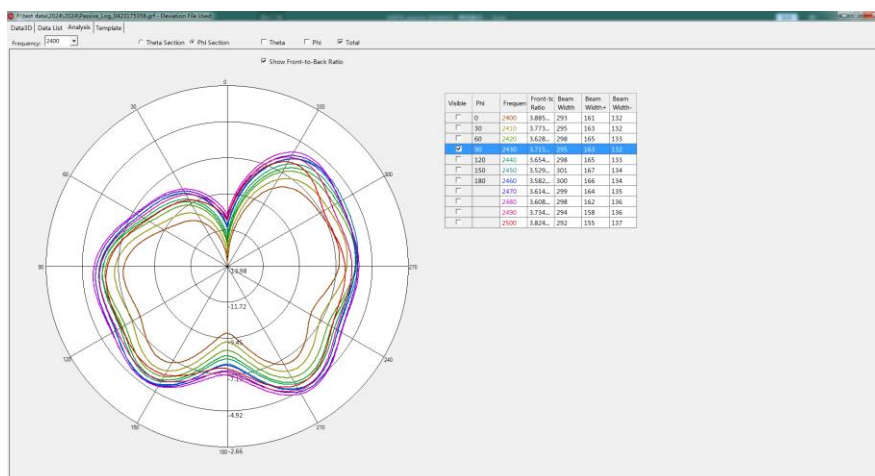
Phi=90° , Left Ear 2D Antenna Pattern, unit: dBi



Theta=90° , Right Ear 2D Antenna Pattern, unit: dBi



Phi =0° , Right Ear 2D Antenna Pattern, unit: dBi



Phi =90° , Right Ear 2D Antenna Pattern, unit: dBi

Part IV、Test Equipment

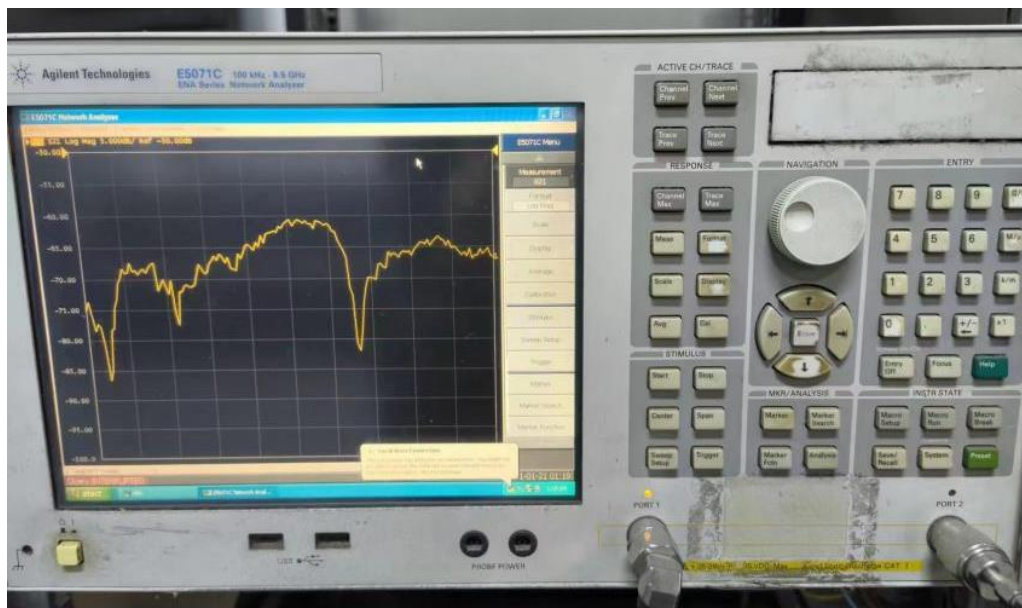
4.1 Compact OTA Test System



Model: RayZone 1800

Calibration Date: 2024/03/22

4.2 Test Equipment



Model: Agilent Technologies E5071C;

Calibration Date: 2024/03/22



Model: TRANSCOM INSTRUMENTS T5260C;
Calibration Date: 2024/03/22

4.3 Testing Software



Testing Software Name: Libra