

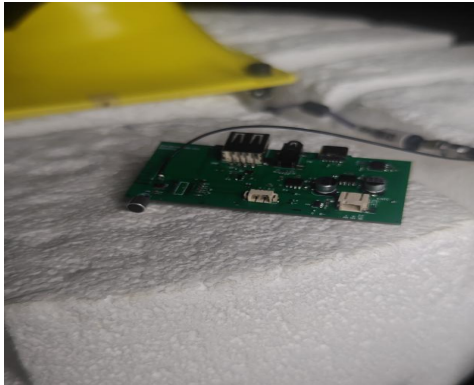
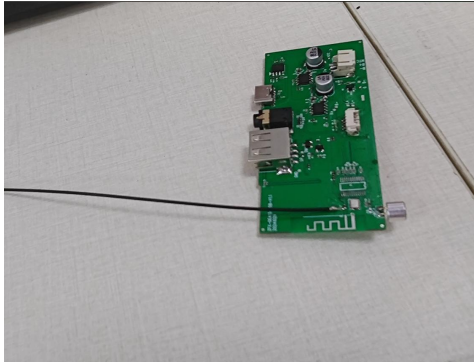
天線測試

- 1，硬件測試
- 2，軟件測試
- 3，數據讀取

1，硬件測試

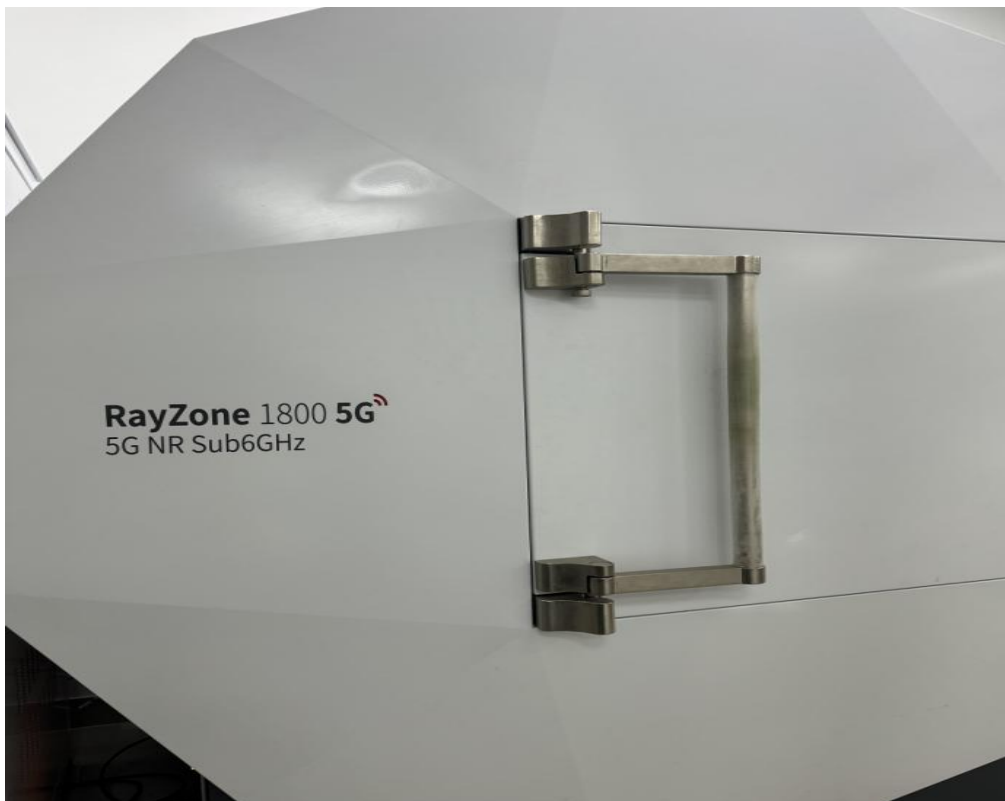
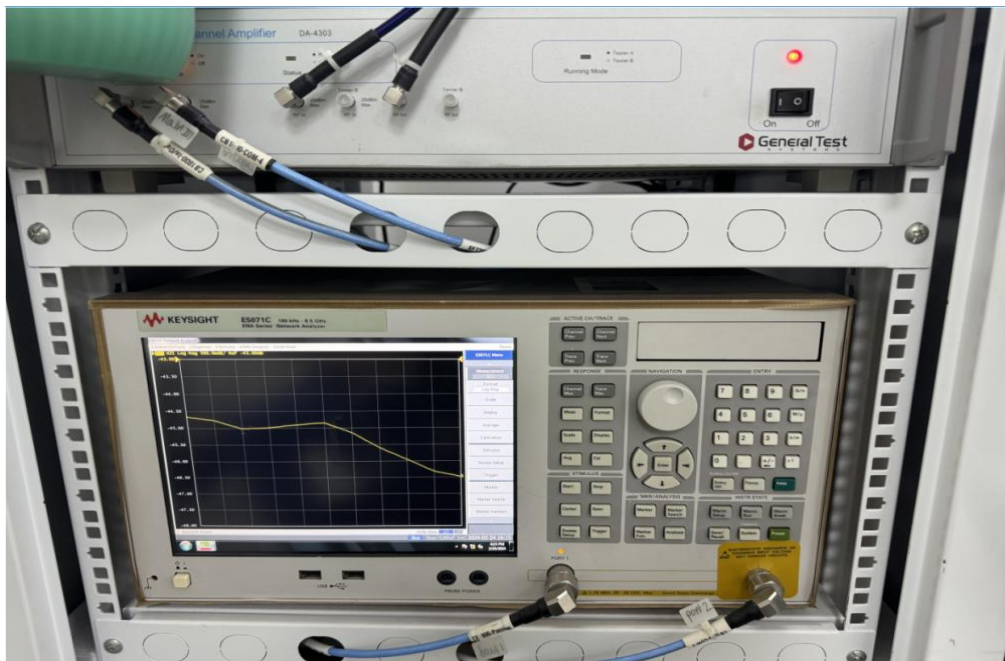
1.1，PCBA 裸板測試

將射頻連接線與裸板焊接好，再將其與 OTA 設備連接，射頻連接線與裸板連接圖，如下圖所示

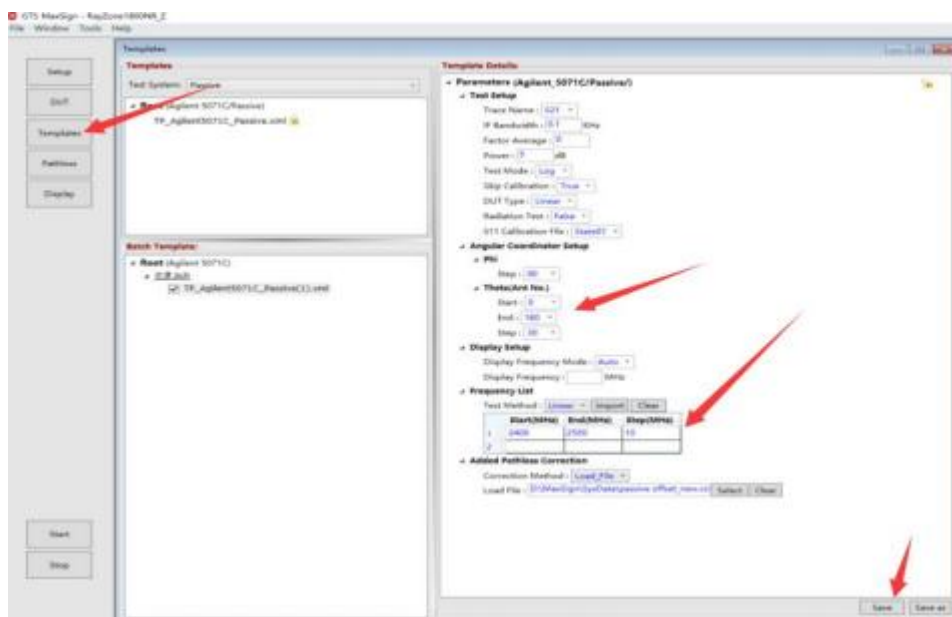
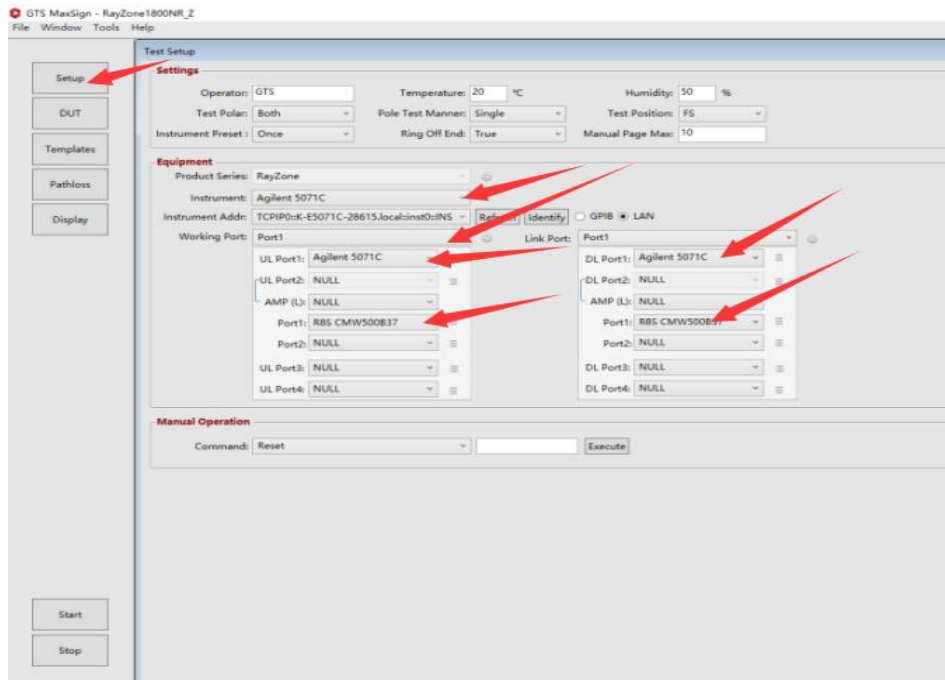


1.2，設備環境

本次測試需要用到設備有電腦，頻譜儀，放大器和暗室，如下圖所示：



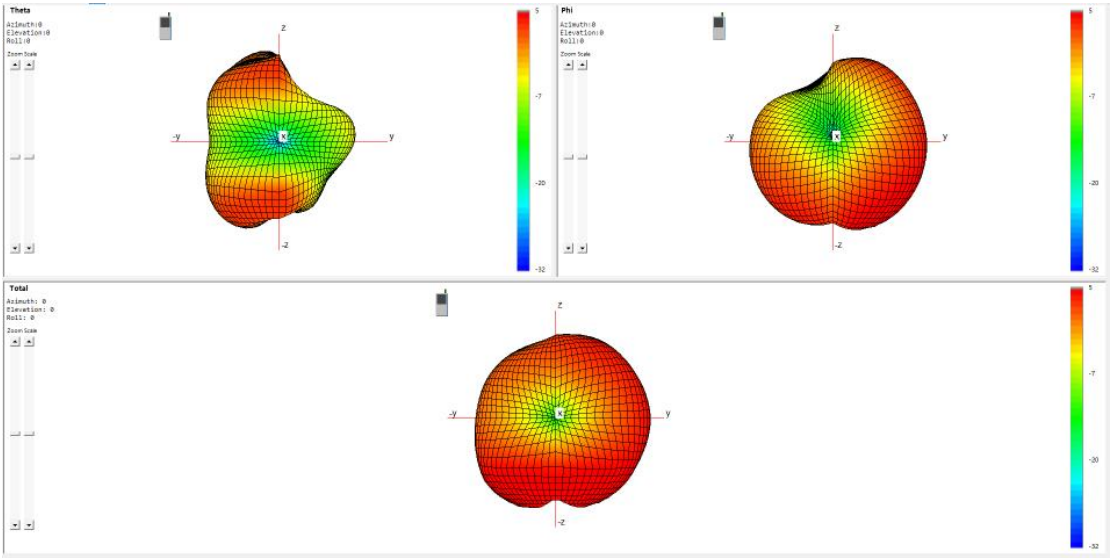
2, 軟件測試



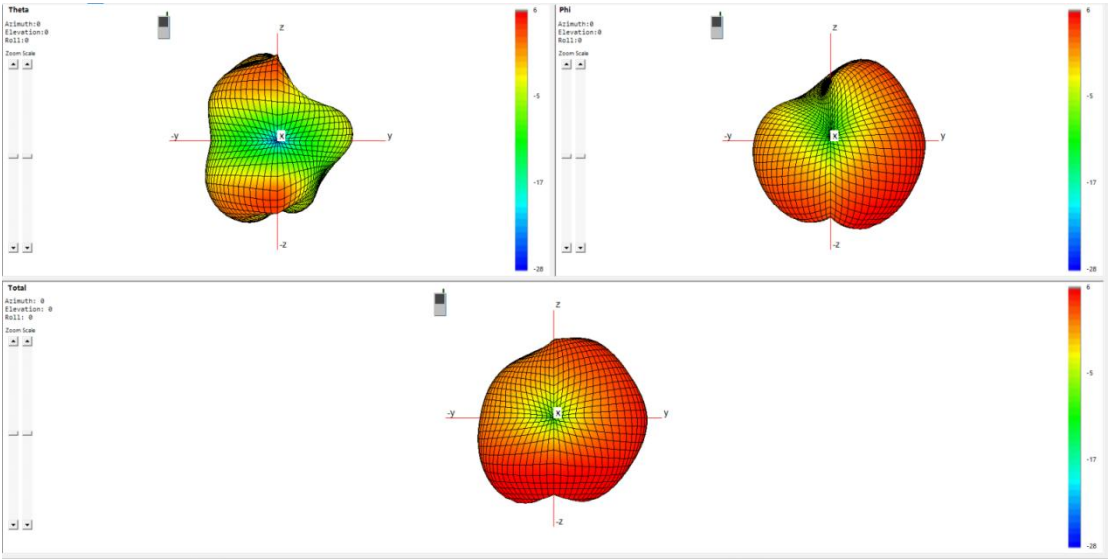
3，數據讀取

3.1，掃描天線的 3D 輻射圖

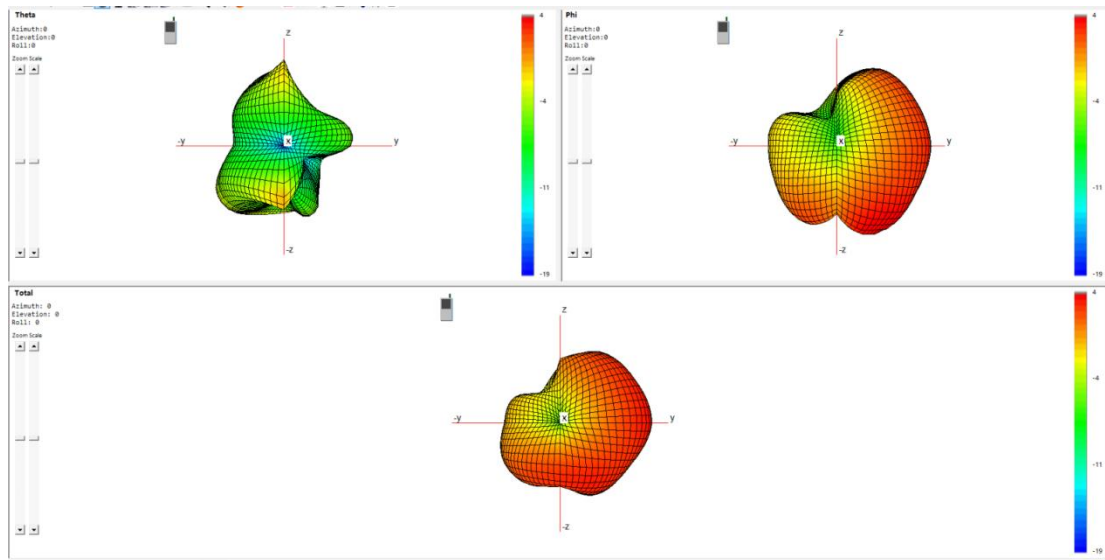
2400MHz:



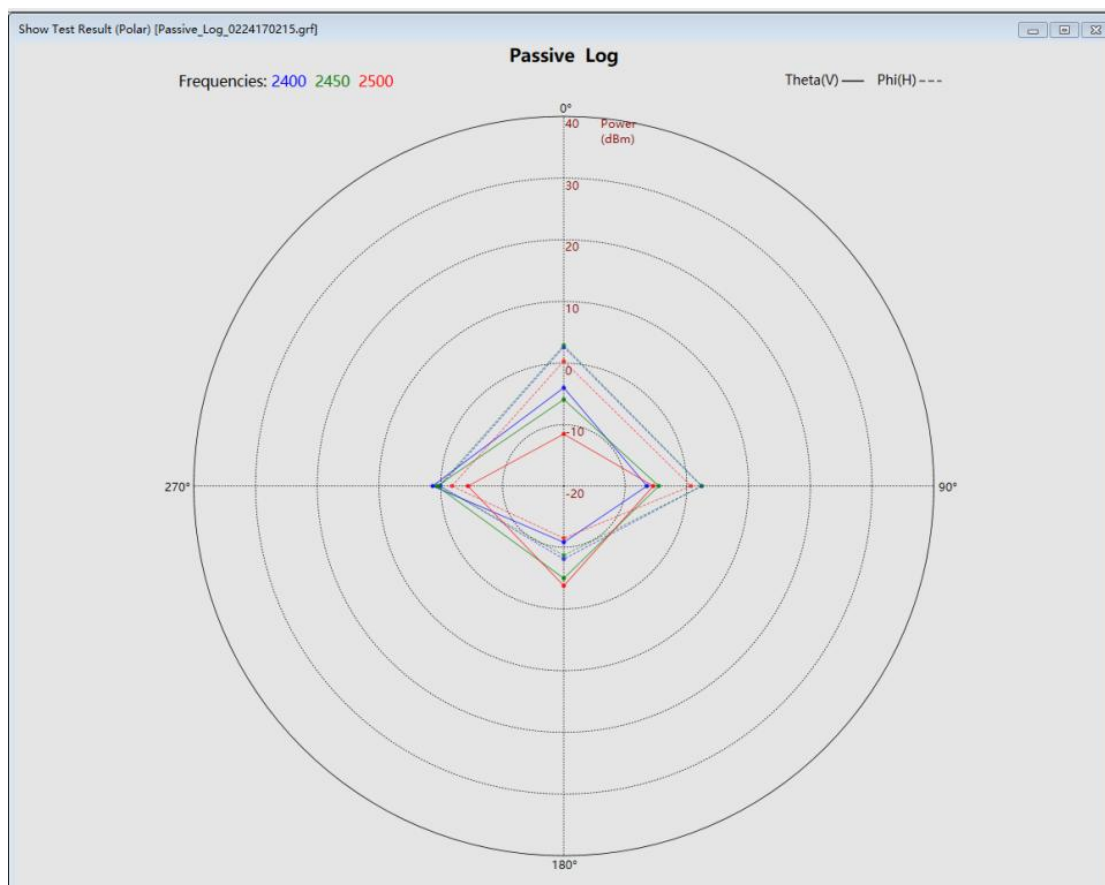
2450MHz:



2500MHz:



3.2, 掃描天線 2D 輻射圖



3.3, 詳細的掃描輸出數據結果

Freq (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	1.73342591	1.773815678	150.4463195
2410	1.261265122	1.895608836	154.7251398
2420	1.067302169	1.962652587	157.1322245
2430	1.368003414	2.188791154	165.5309149
2440	1.600528892	2.350140377	171.7963916
2450	1.655040851	2.390523367	173.4012951
2460	1.521399269	2.267430619	168.5555519
2470	1.001927509	1.794395308	151.1609215
2480	1.563397682	1.323160534	135.6175997
2490	1.023180436	0.746943067	118.7665953
2500	1.691213759	0.453532901	111.0077475

ITEM	ANT SPEC		
Model Name	2.4G ANT		
Antenna plate	PCB antenna		
Center Frequency	2400MHz	2450MHz	2500MHz
	1.73dBi	1.65dBi	1.69dBi
MAX.Gain	1.73dBi		
Polarization	Horizontal and Vertical		
Impedance	50Ohm		
Manufacture	Shenzhen zhengfangxin Technology Co., Ltd,		
Address	3rd Floor, Office Building 3, Block B, Xusheng Xifa, Gongle Community, Xixiang Street, Bao'an District, Shenzhen City		

AntennaPhouo&Length(mm)

