JCID PROGRAMMER
A trusted partner for phone fix

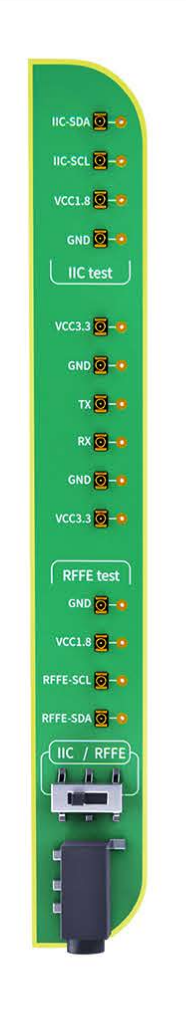
V1SE
Bus Detection Adaptor
Operation Guide

Step 1

「 Preparations 」

V1SE (WIFI版)
V1SE V7.73
Setting
Truetone
EEPROM
Vibration
Component
Breakdown
Battery
Face ID
Receiver
JCID
IIC-SDA
IIC-SCL
VCC1.8
GND
IIC test
VCC3.3
TX
RX

V1SE


IIC-SDA
IIC-SCL
VCC1.8
GND
IIC test
VCC3.3
TX
RX

Bus detection adaptor

Special sharp dual probe

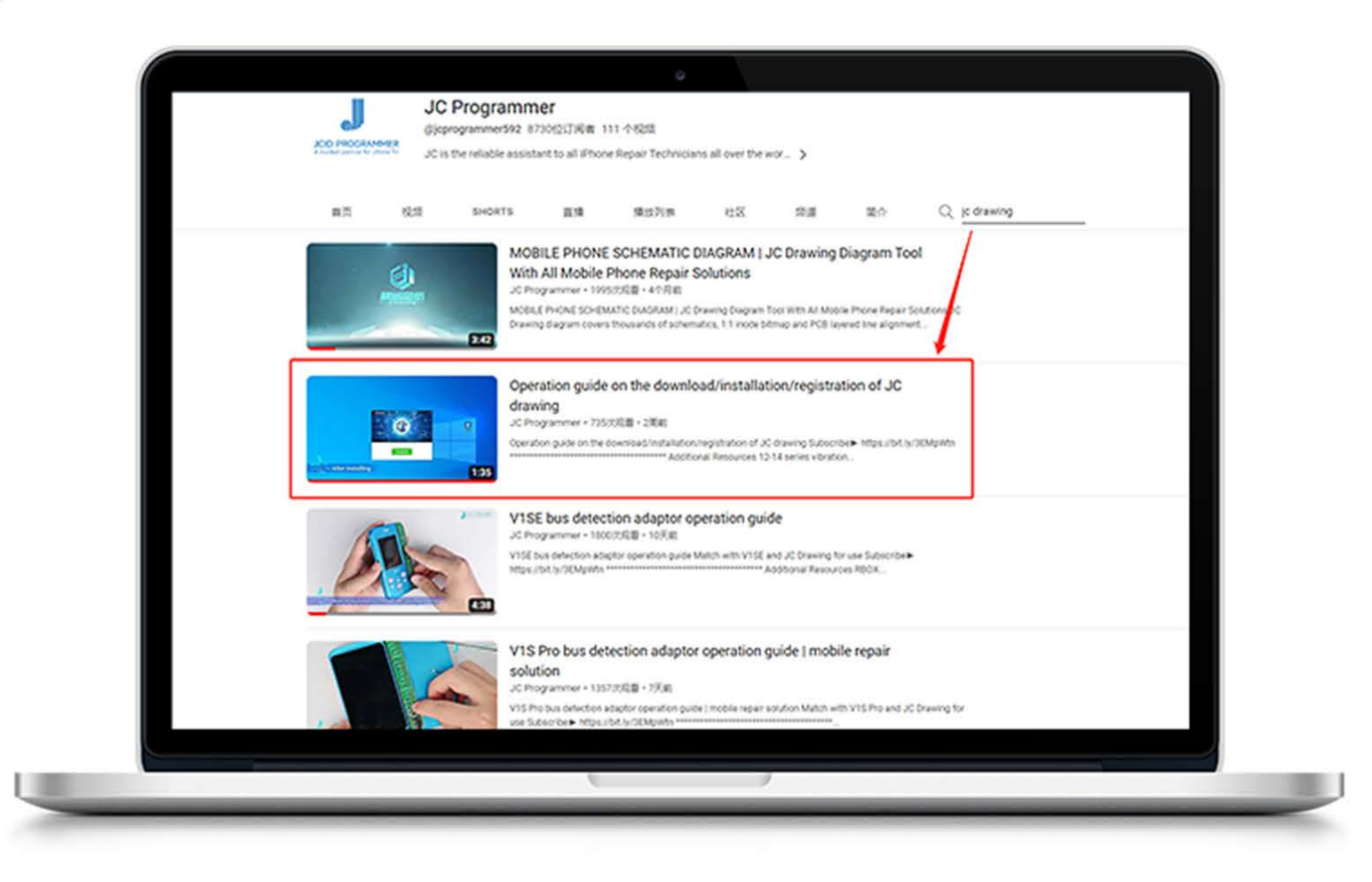
Coaxial line

Weekly JC Drawing card

Step 2

Please check the installation guide of JC Drawing
On the YouTube channel of JC Programmer:
https://www.youtube.com/@jcprogrammer592

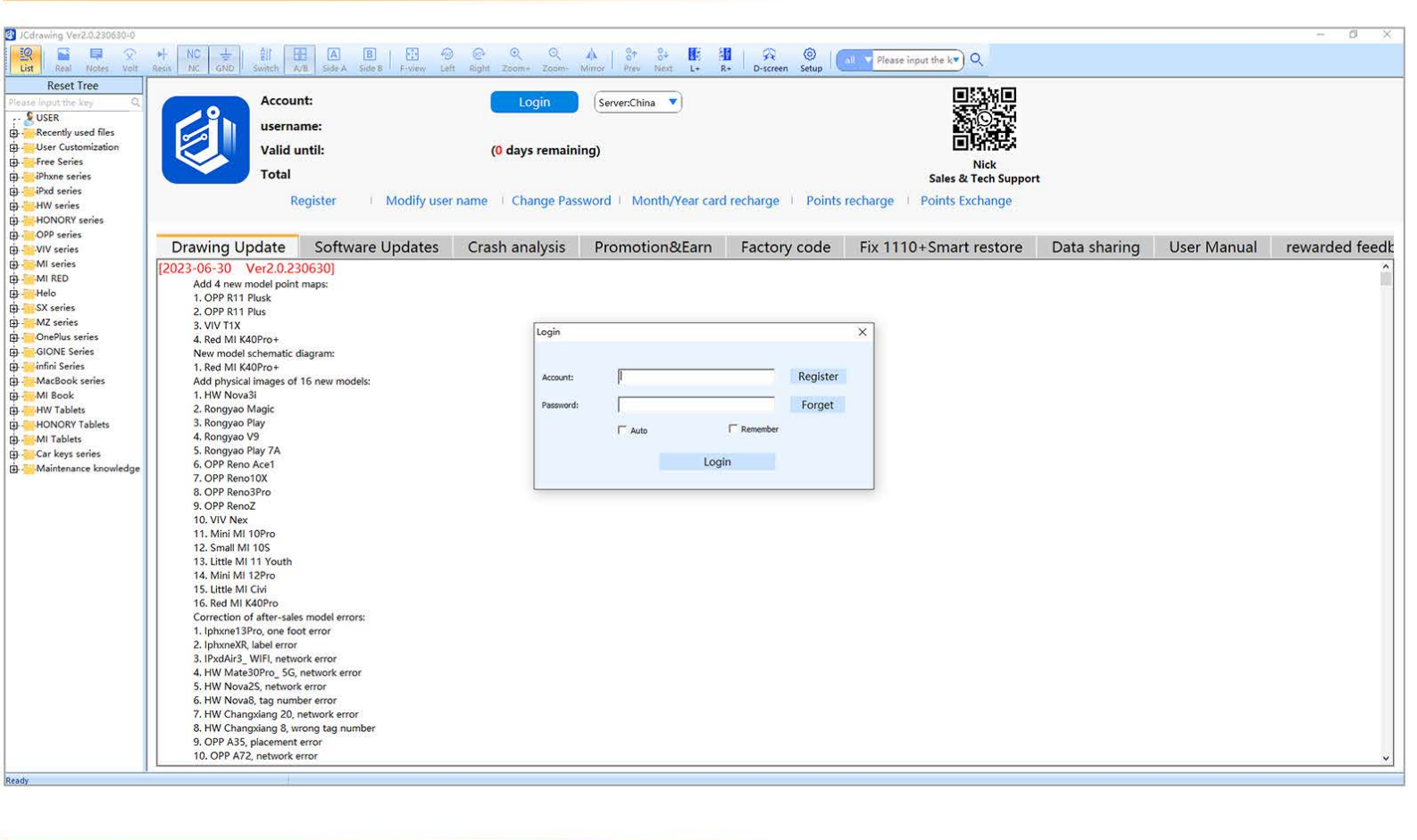
- Search"JC Drawing" in the search bar
- Click "Operation guide on the download/installation/registration of JC drawing" to check the guidance


JC Programmer
@jcprogrammer592
Operation guide on the download/installation/registration of JC drawing
V1SE bus detection adaptor operation guide

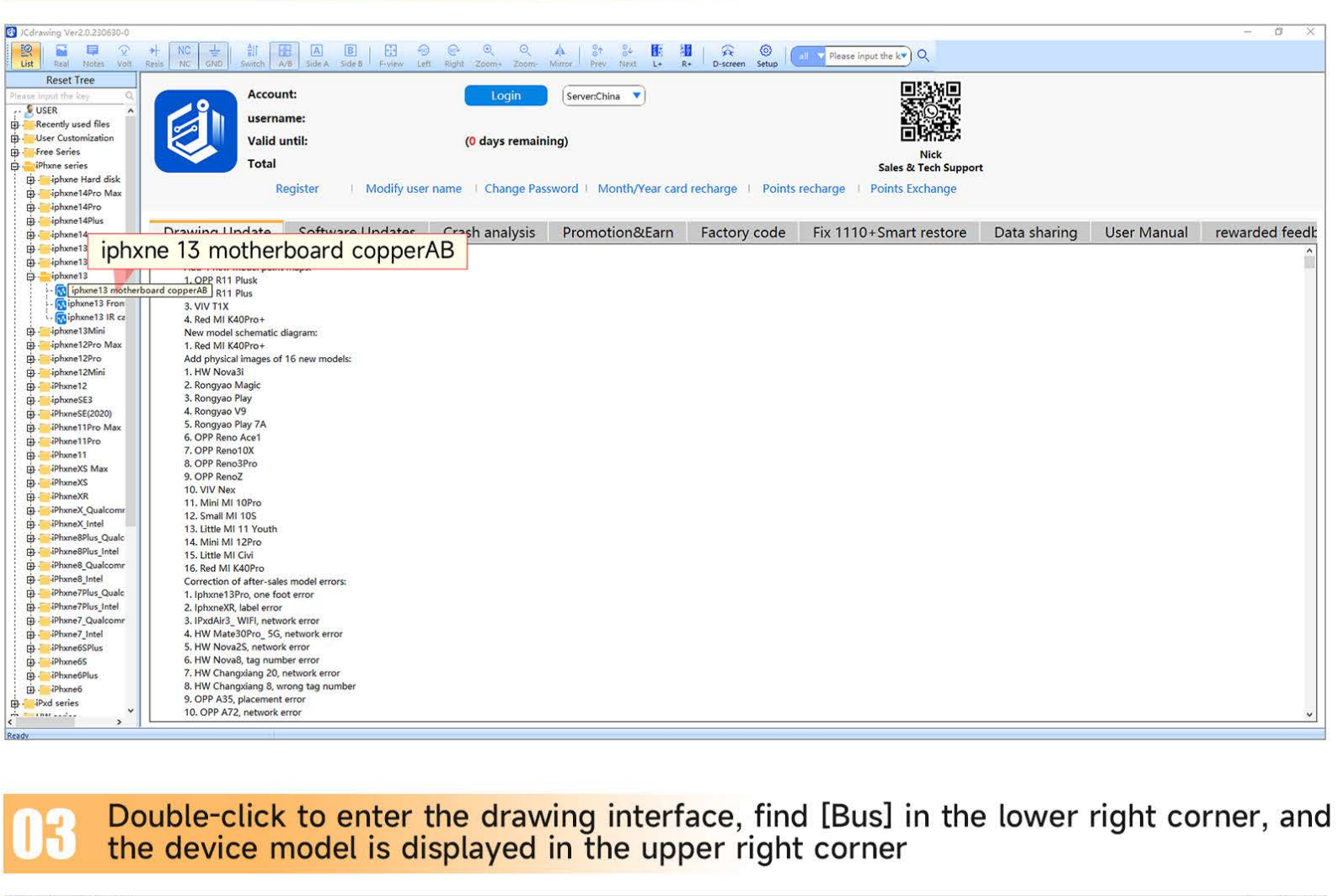
Step 3

Operation Guide On JC Drawing 」

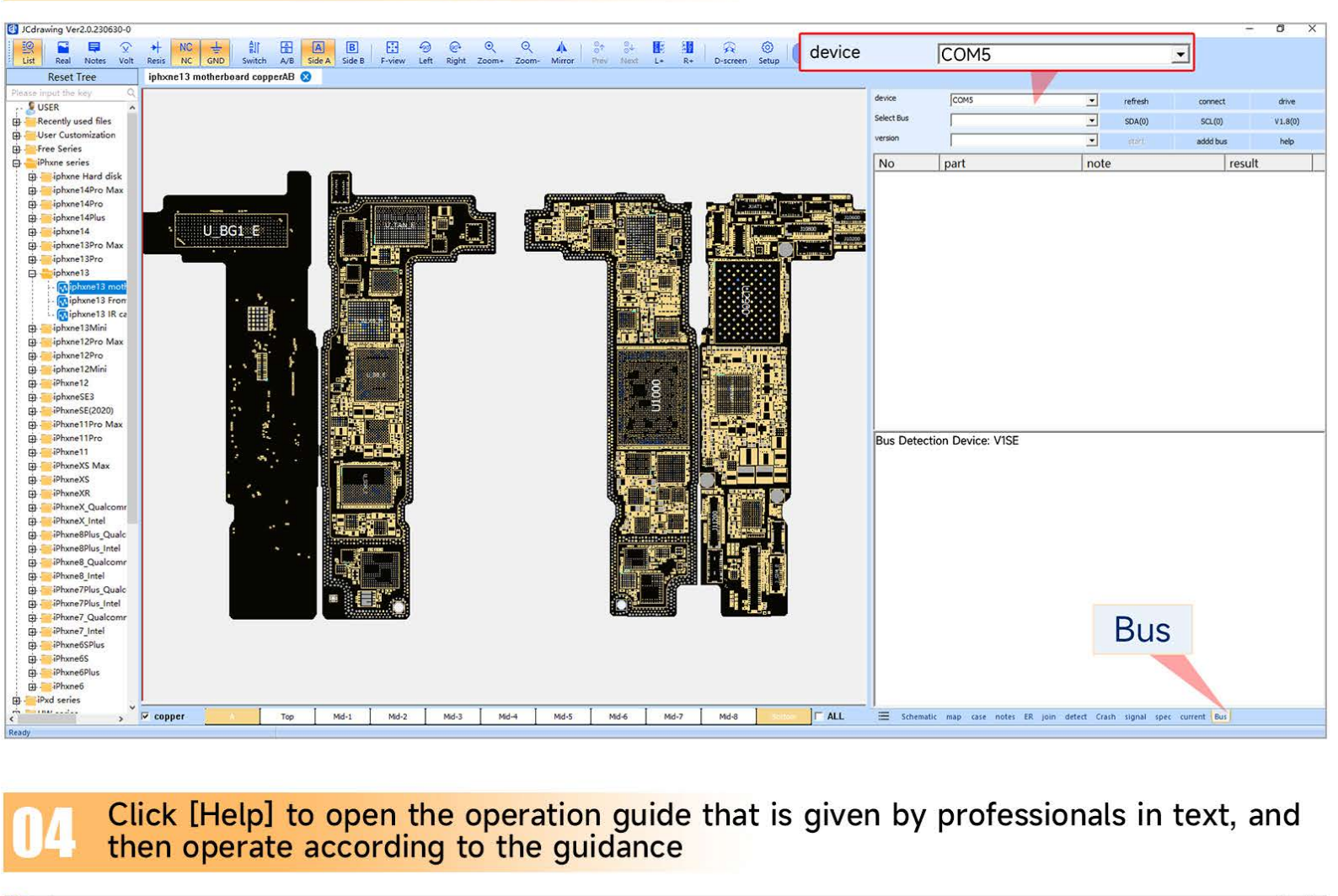
01 Open JC Drawing and login



02 Open the motherboard drawing that need to be repaired, find the phone model, select [Motherboard copper]

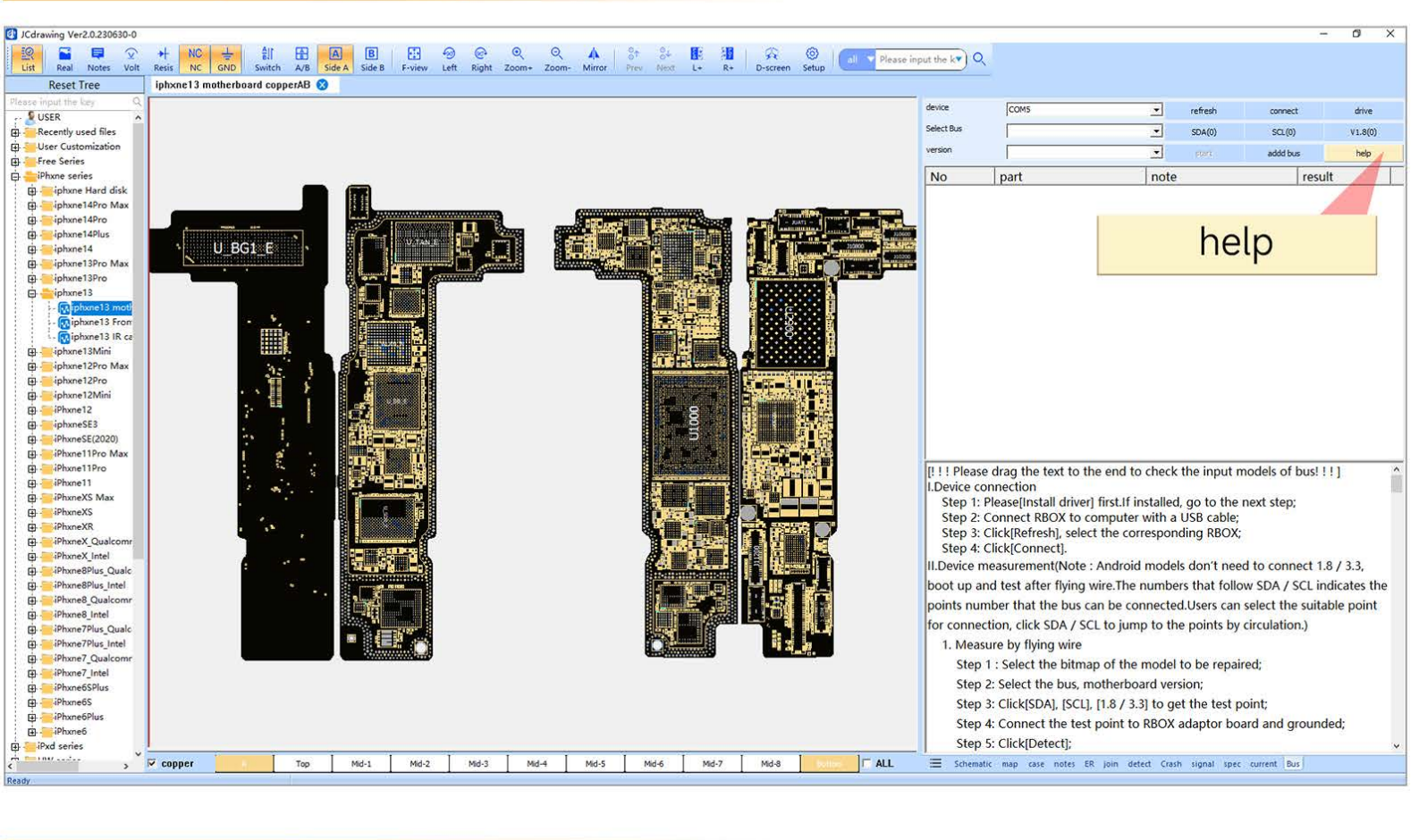

iphxne 13 motherboard copperAB

03 Double-click to enter the drawing interface, find [Bus] in the lower right corner, and the device model is displayed in the upper right corner


device
COM5
Bus
Schematic
map
case
notes
ER
join
detect
Crash
signal
spec
current
Bus
ALL

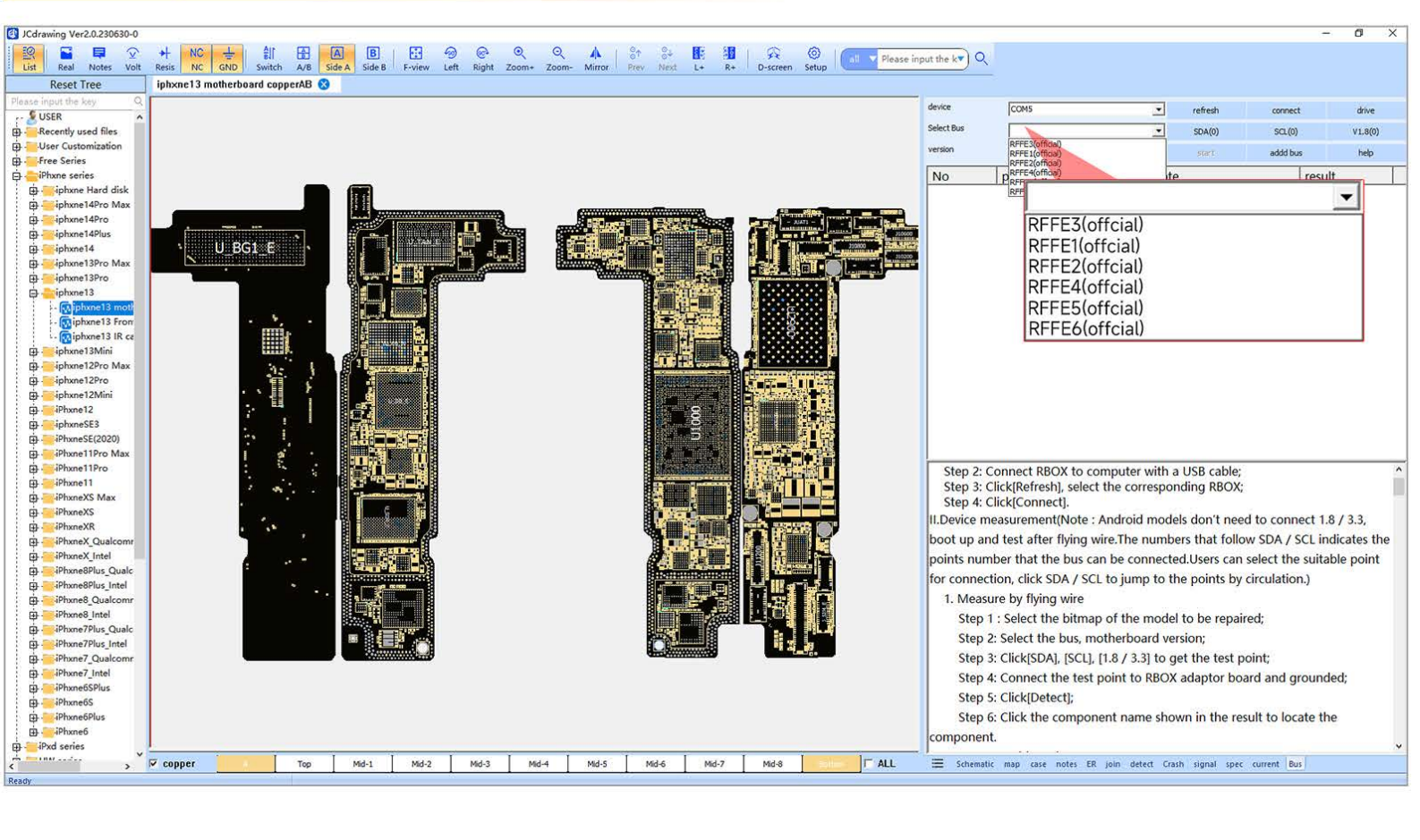
Bus Detection Device: V1SE

04 Click [Help] to open the operation guide that is given by professionals in text, and then operate according to the guidance


help
device
COM5
Select Bus
version
refresh
connect
drive
SDA(0)
SCL(0)
start
addd bus
help
No
part
note
result

[! ! ! Please drag the text to the end to check the input models of bus! ! !]
I.Device connection
Step 1: Please[Install driver] first.If installed, go to the next step;
Step 2: Connect RBOX to computer with a USB cable;
Step 3: Click[Refresh], select the corresponding RBOX;
Step 4: Click[Connect].
II.Device measurement(Note : Android models don't need to connect 1.8 / 3.3, boot up and test after flying wire.The numbers that follow SDA / SCL indicates the points number that the bus can be connected.Users can select the suitable point for connection, click SDA / SCL to jump to the points by circulation.)
1. Measure by flying wire
Step 1 : Select the bitmap of the model to be repaired;
Step 2: Select the bus, motherboard version;
Step 3: Click[SDA], [SCL], [1.8 / 3.3] to get the test point;
Step 4: Connect the test point to RBOX adaptor board and grounded;
Step 5: Click[Detect];

05 Click [Select bus] on the upper right corner, here we can see this model has altogether six buses


device
COM5
Select Bus
version
refresh
connect
drive
SDA(0)
SCL(0)
V1.8(0)
addd bus
help
RFFE3(offcial)
RFFE1(offcial)
RFFE2(offcial)
RFFE4(offcial)
RFFE5(offcial)
RFFE6(offcial)

Step 2: Connect RBOX to computer with a USB cable;
Step 3: Click[Refresh], select the corresponding RBOX;
Step 4: Click[Connect].
II.Device measurement(Note : Android models don't need to connect 1.8 / 3.3, boot up and test after flying wire.The numbers that follow SDA / SCL indicates the points number that the bus can be connected.Users can select the suitable point for connection, click SDA / SCL to jump to the points by circulation.)
1. Measure by flying wire
Step 1 : Select the bitmap of the model to be repaired;
Step 2: Select the bus, motherboard version;
Step 3: Click[SDA], [SCL], [1.8 / 3.3] to get the test point;
Step 4: Connect the test point to RBOX adaptor board and grounded;
Step 5: Click[Detect];
Step 6: Click the component name shown in the result to locate the component.

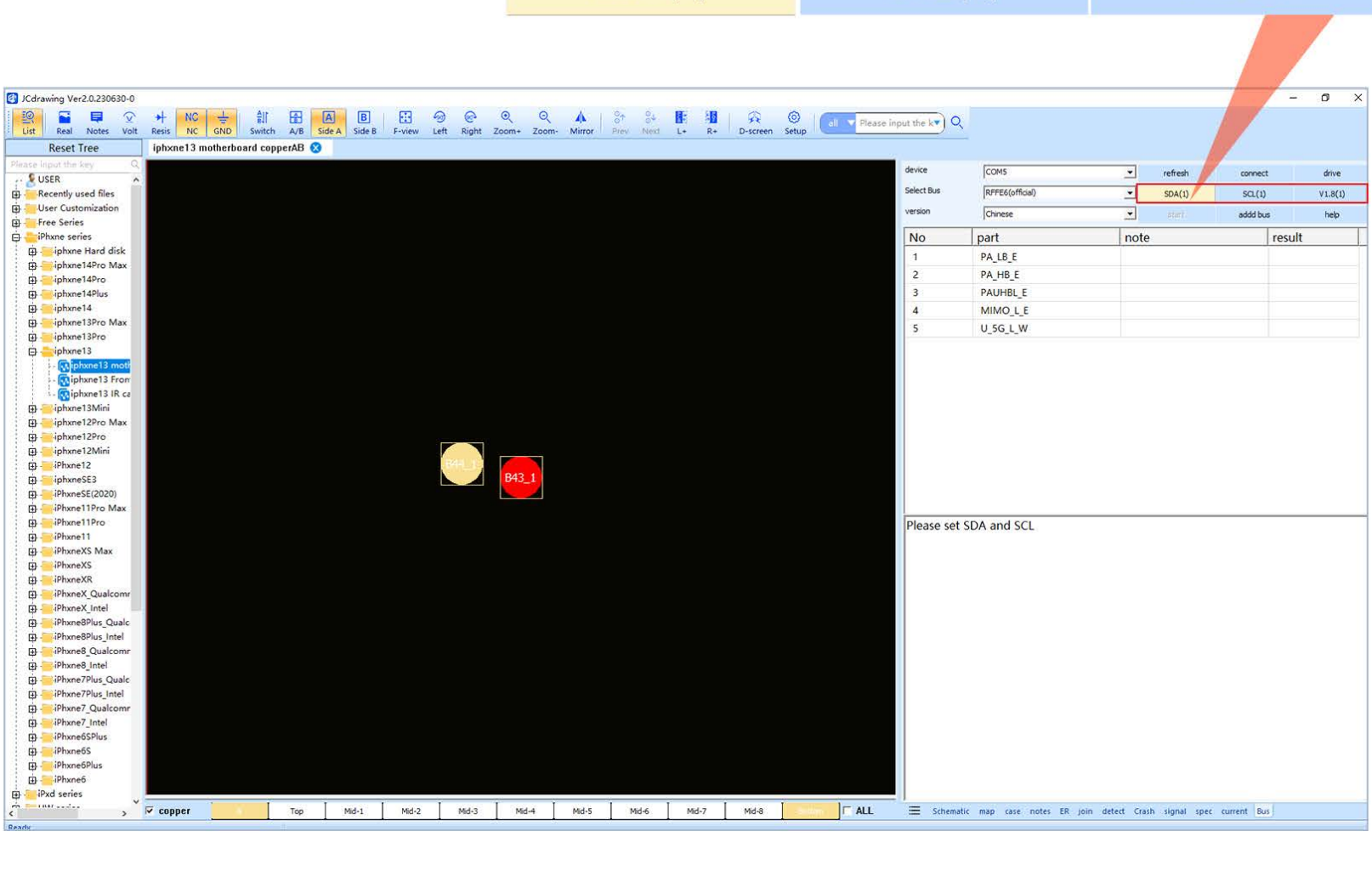
Cautions:

Each bus has the possibility to cause signal failure, before figuring out the faulty points, all the buses need to be checked

Step 4

Click [SDA point] / [SCL point] / [V1.8]
to jump to the corresponding point directly

SDA(1) SCL(1) V1.8(1)


B165_1
refresh
connect
drive
SDA(1)
SCL(1)
V1.8(1)
start
addd bus
help

device COM5
Select Bus RFFE6(official)
version Chinese

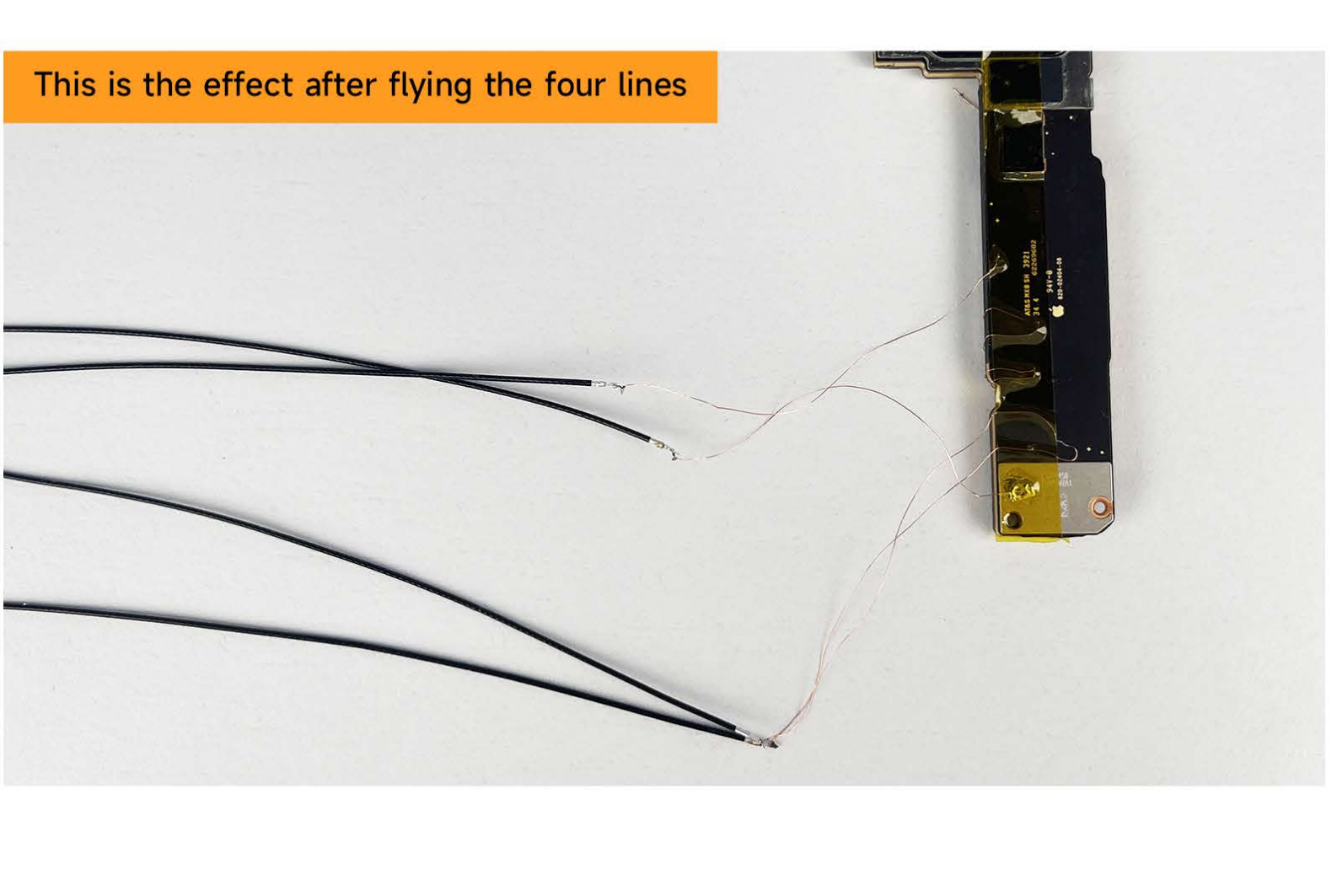
No	part	note	result
1	PA_LB_E		
2	PA_HB_E		
3	PAUHBL_E		
4	MIMO_L_E		
5	U_SG_L_W		

Please set SDA and SCL

Step 5

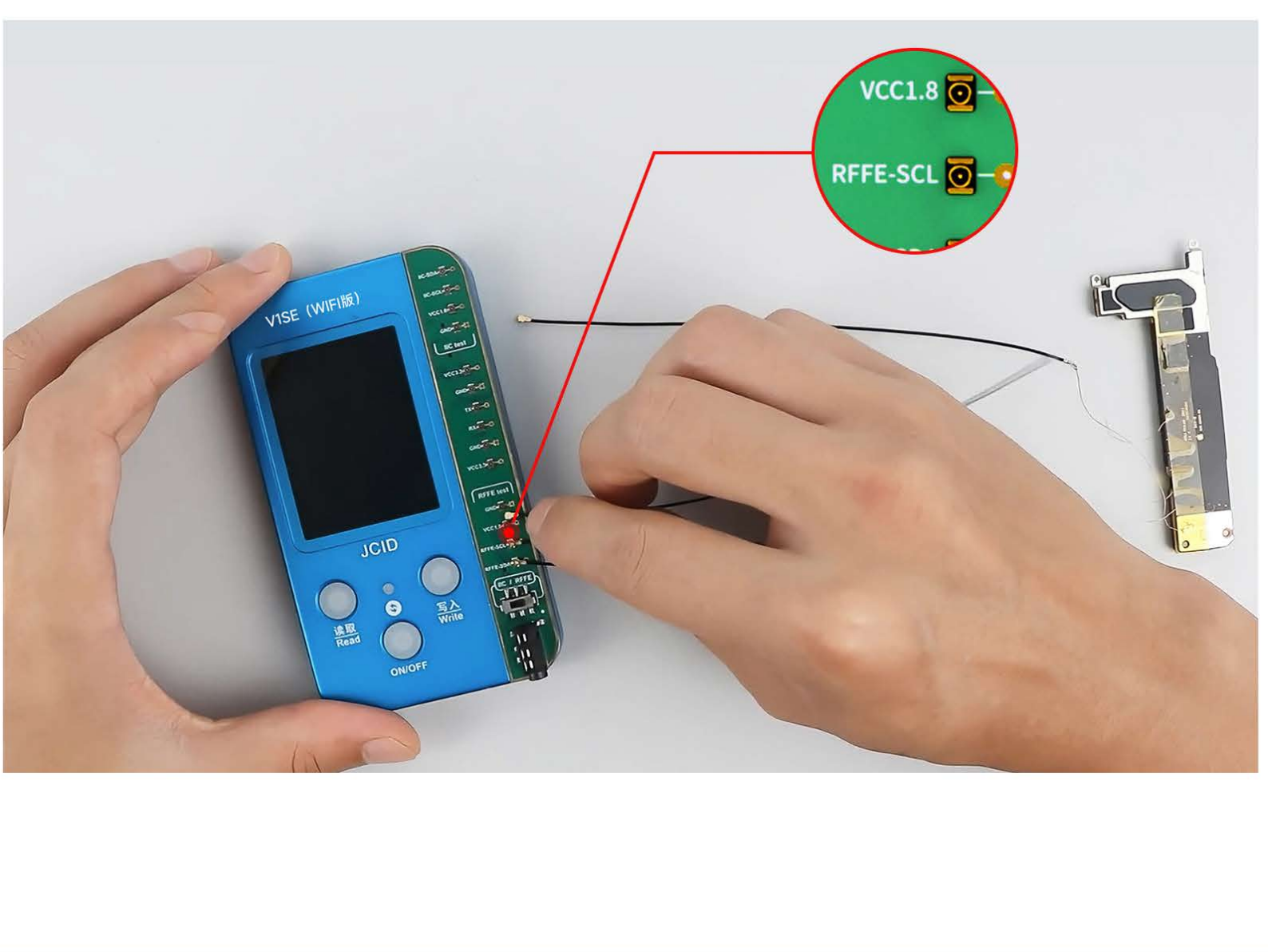
Connect the corresponding points to
GND with coaxial lines

This is the effect after flying the four lines



Step 6

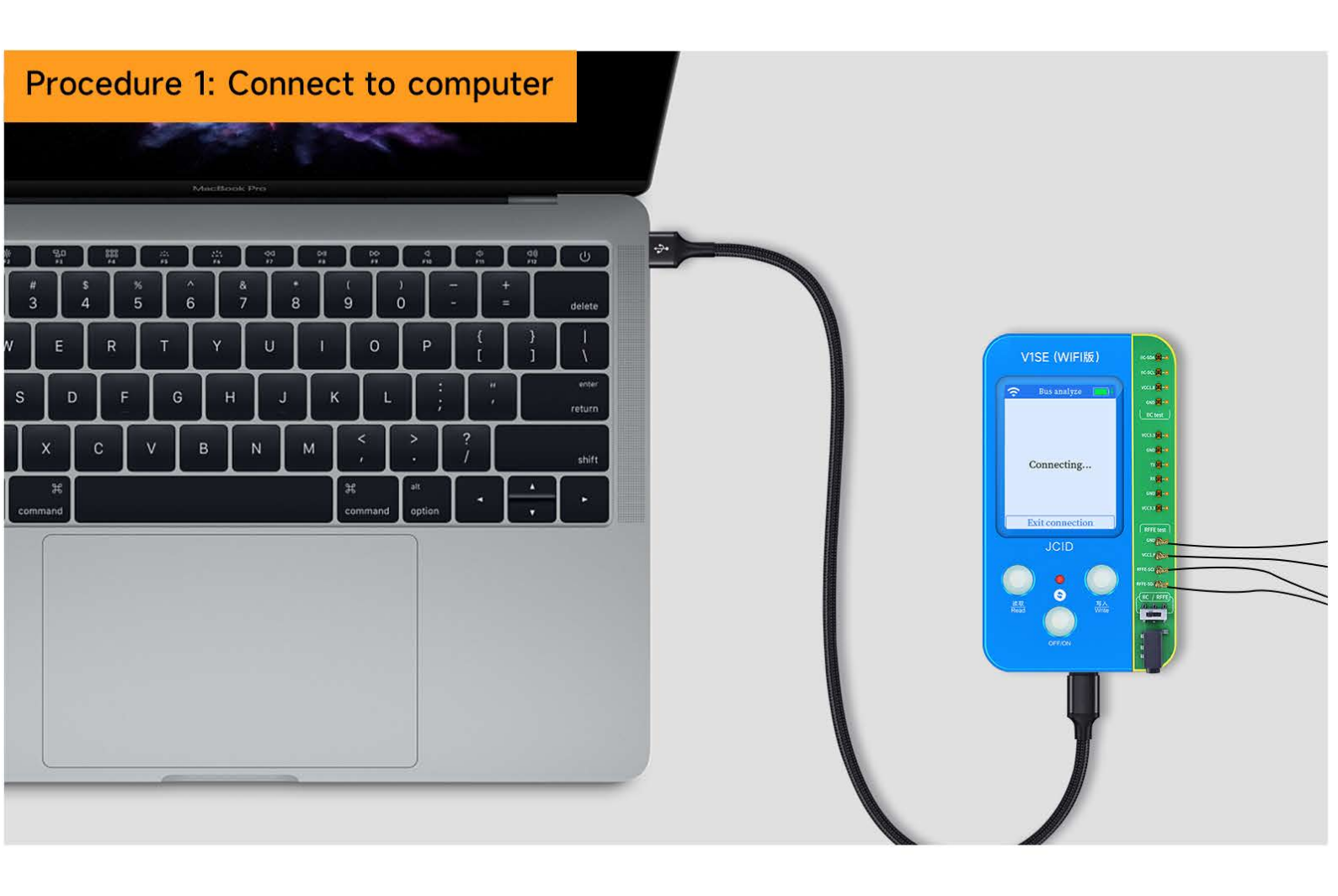
After soldering, buckle the coaxial lines on
the corresponding antenna
ports of the V1SE bus adapter


VCC1.8
RFFE-SCL

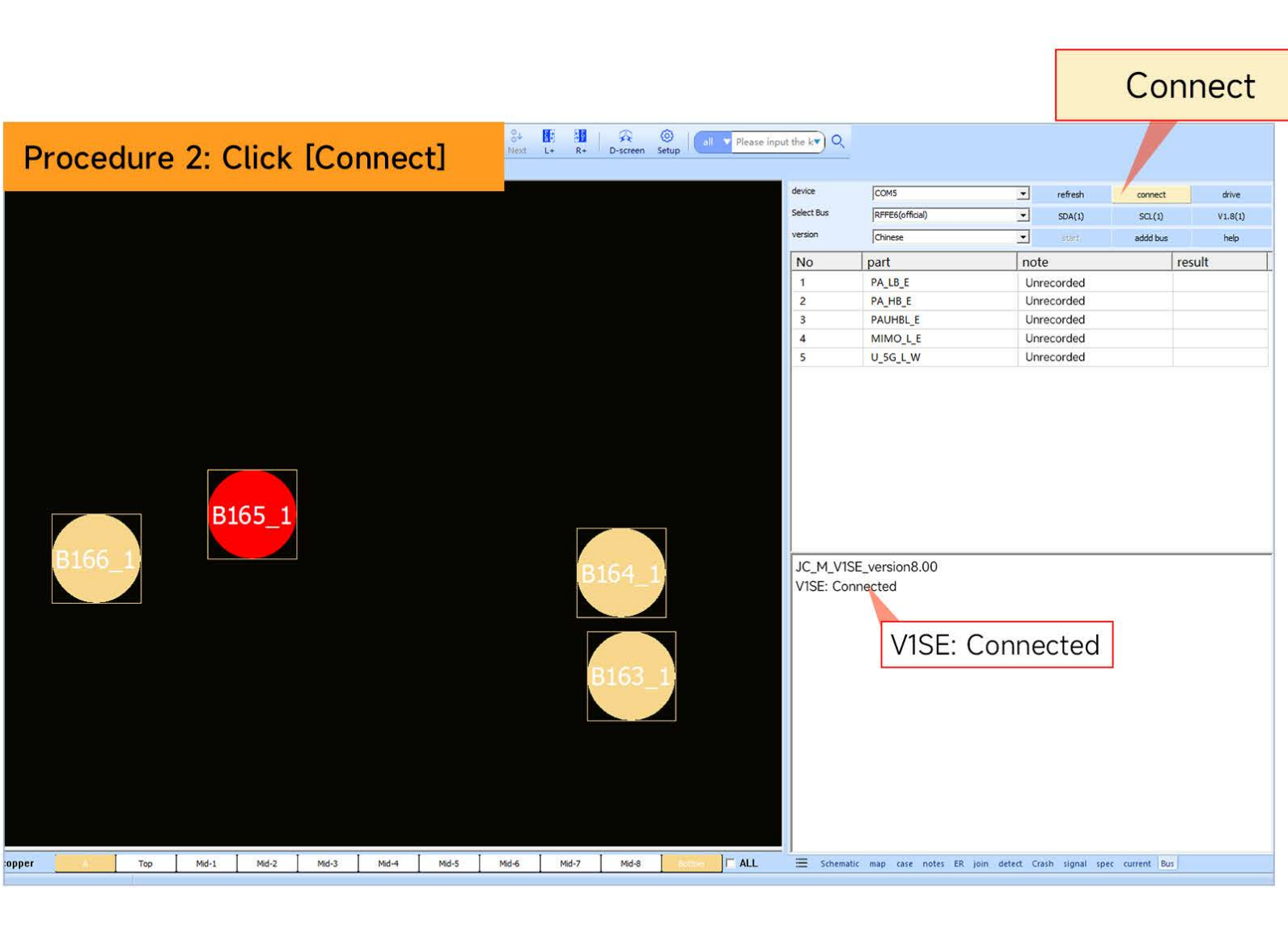
Step 7

Connect V1SE to computer with a USB cable,
then click [Connect],
the device will be automatically connected

Procedure 1: Connect to computer


V1SE (WIFI版)
Bus analyze
Connecting...
Exit connection
JCID

Procedure 2: Click [Connect]


Connect
B165_1
refresh
connect
drive
SDA(1)
SCL(1)
V1.8(1)
start
addd bus
help
V1SE: Connected

device COM5
Select Bus RFFE6(official)
version Chinese

No	part	note	result
1	PA_LB_E	Unrecorded	
2	PA_HB_E	Unrecorded	
3	PAUHBL_E	Unrecorded	
4	MIMO_L_E	Unrecorded	
5	U_SG_L_W	Unrecorded	

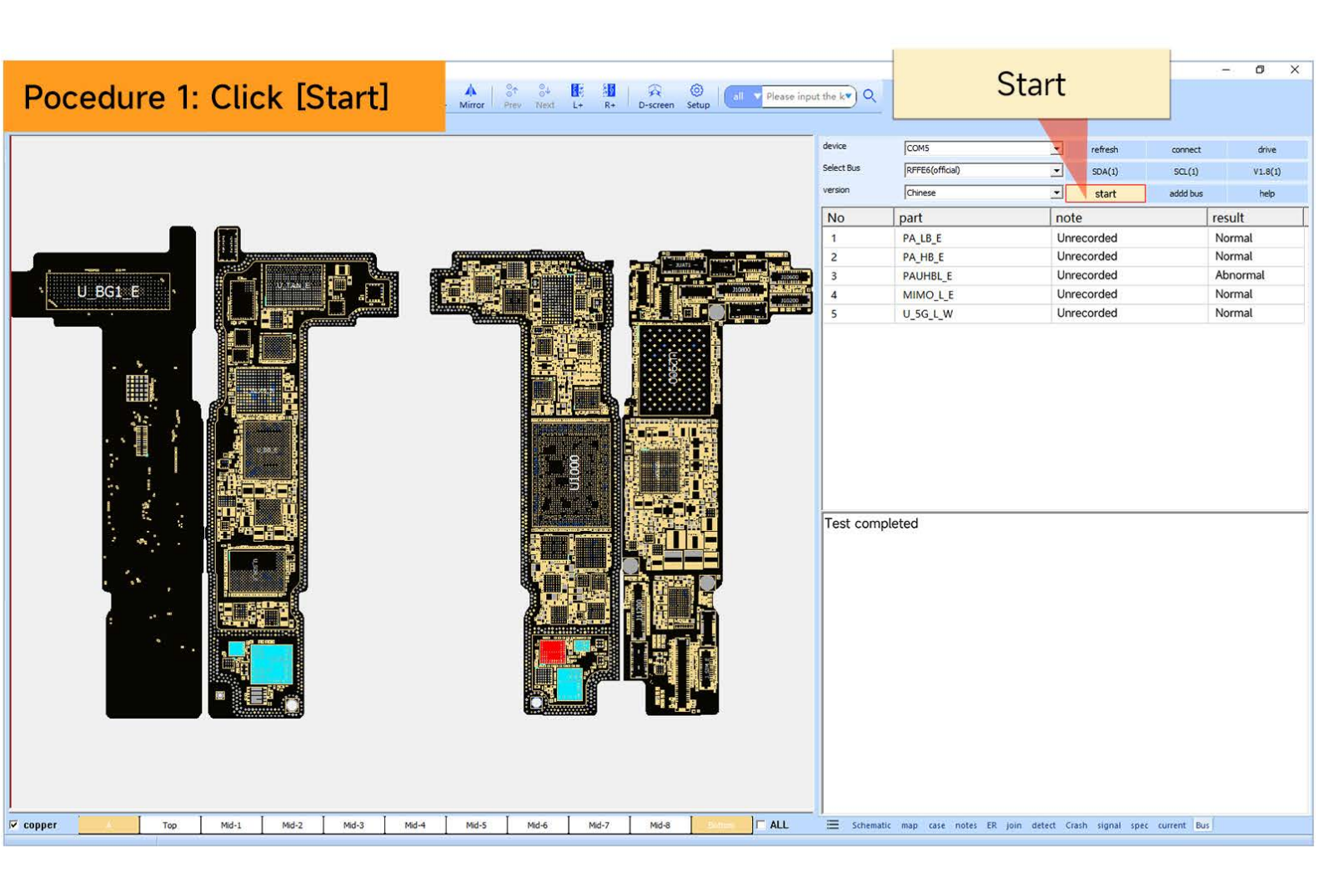
JC_M_V1SE_version8.00
V1SE: Connected

Step 8

Click [Start], the abnormal components
will be marked, click on the abnormal component
to jump to its location

After finding the abnormal components,
start working on the maintenance

Pocedure 1: Click [Start]

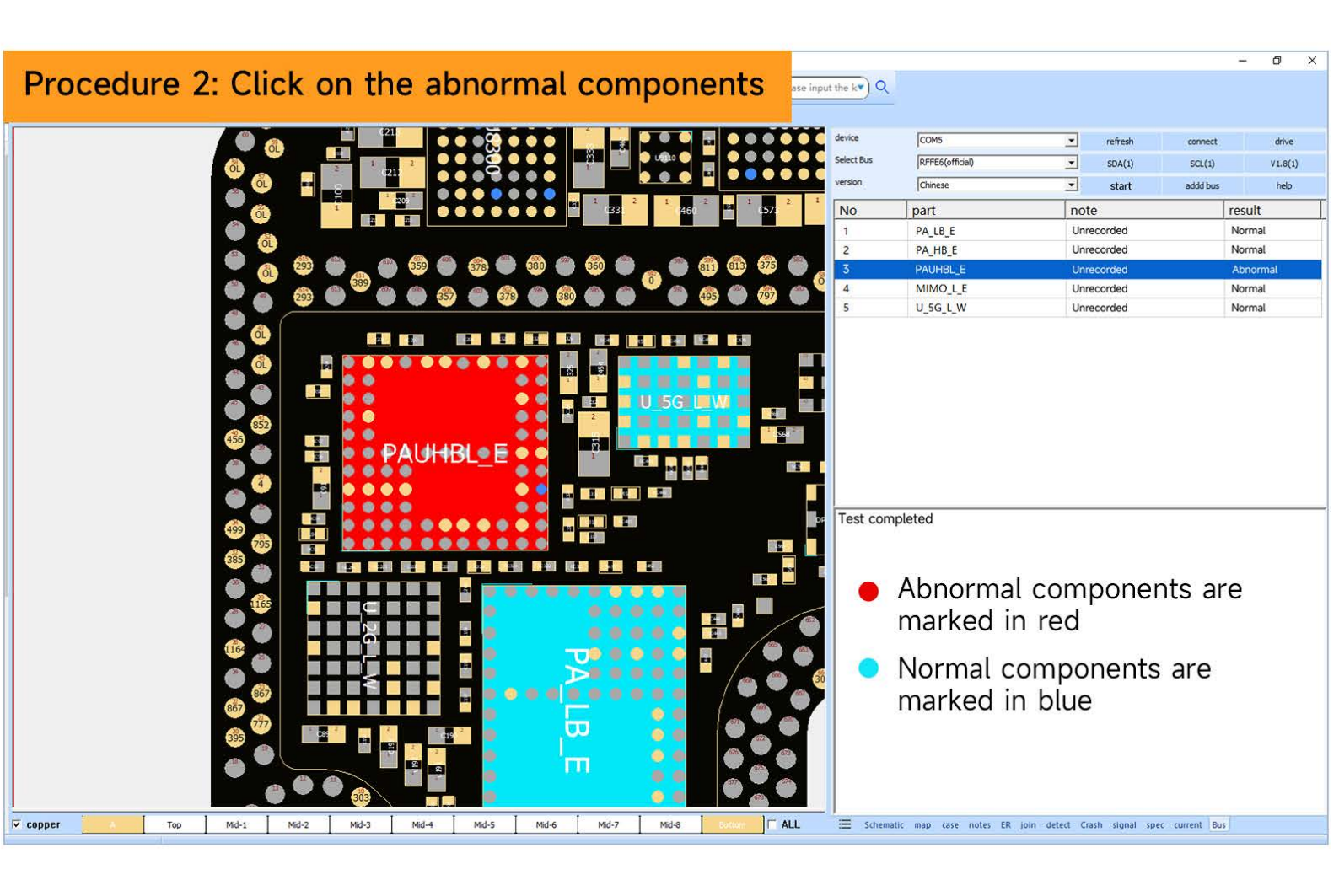

Start
refresh
connect
drive
SDA(1)
SCL(1)
V1.8(1)
start
addd bus
help

device COM5
Select Bus RFFE6(official)
version Chinese

No	part	note	result
1	PA_LB_E	Unrecorded	Normal
2	PA_HB_E	Unrecorded	Normal
3	PAUHBL_E	Unrecorded	Abnormal
4	MIMO_L_E	Unrecorded	Normal
5	U_SG_L_W	Unrecorded	Normal

Test completed

Pocedure 2: Click on the abnormal components



No	part	note	result
1	PA_LB_E	Unrecorded	Normal
2	PA_HB_E	Unrecorded	Normal
3	PAUHBL_E	Unrecorded	Abnormal
4	MIMO_L_E	Unrecorded	Normal
5	U_SG_L_W	Unrecorded	Normal

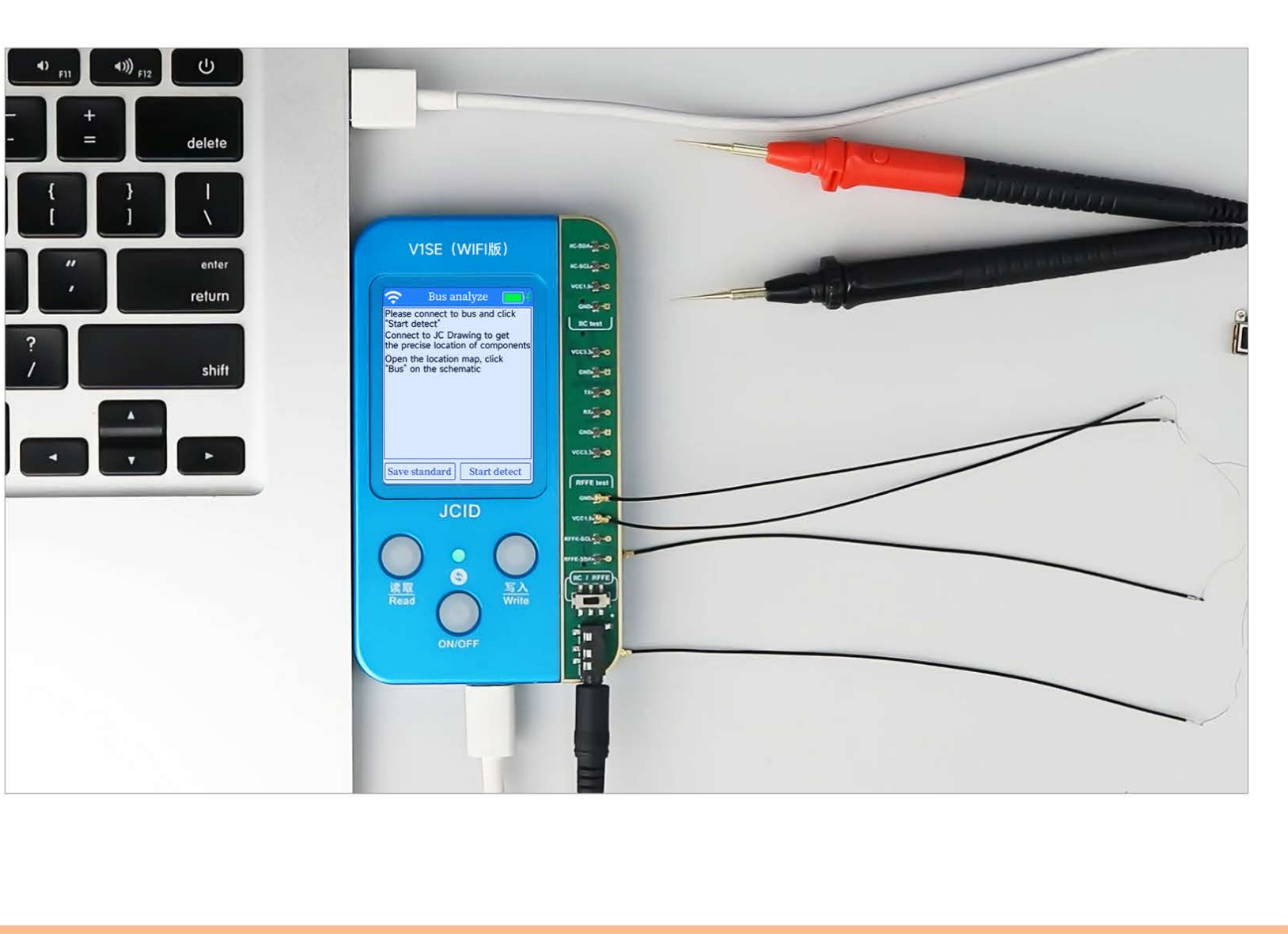
Test completed

- Abnormal components are marked in red
- Normal components are marked in blue

Caution 1

The V1SE bus detection adaptor is packaged with a special sharp dual probe, which can replace the coaxial lines of SDA and SCL points for data detection

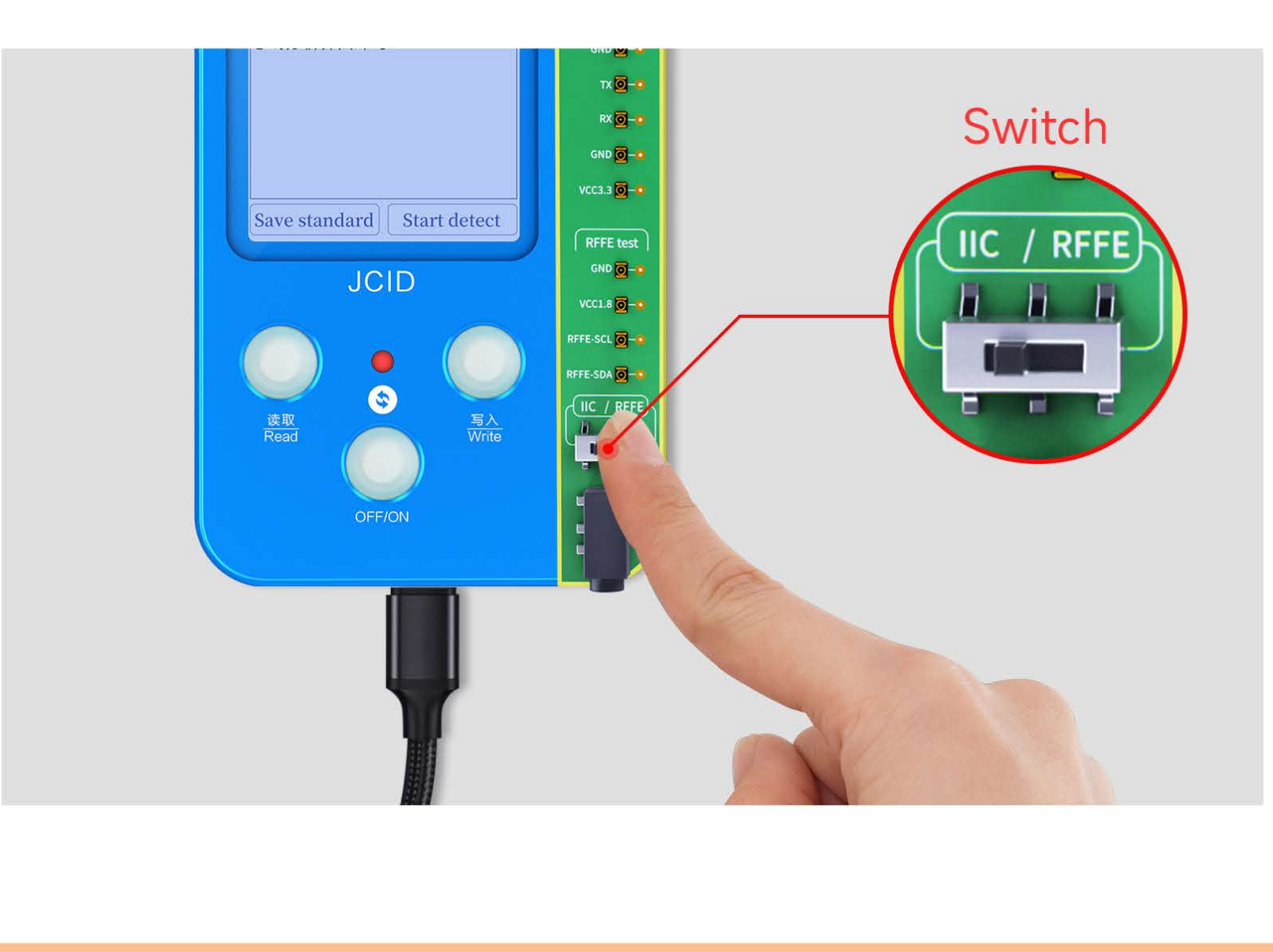
(Note: the red probe corresponds to SDA, and the black probe corresponds to SCL)



Caution 2

The toggle switch at the interface of the probe on the bus detection adaptor is the one for switching between IIC and RFFE

(Note: toggle left to detect IIC, and toggle right to detect RFFE.
When detecting RFFE with the probe,
the switch should be toggled to the RFFE side)


Switch
IIC / RFFE
JCID