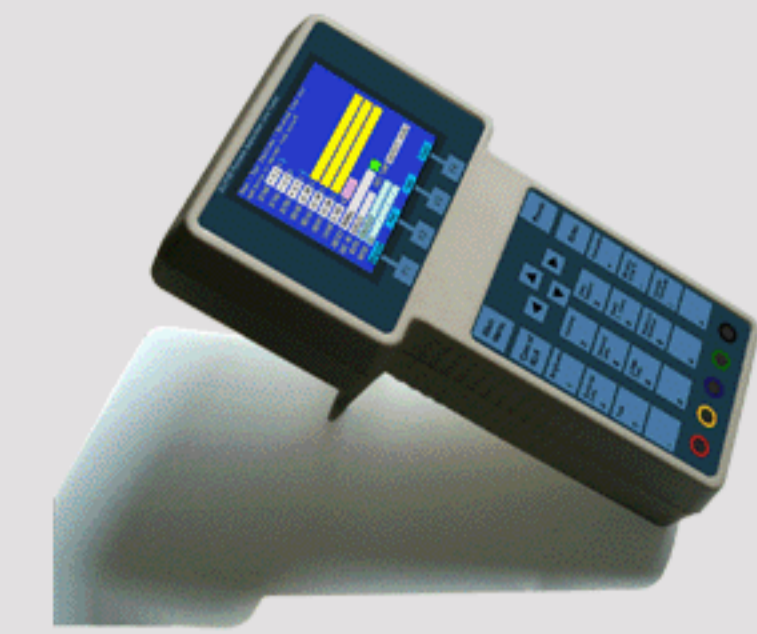


SL210D Portable Subscriber Line Tester

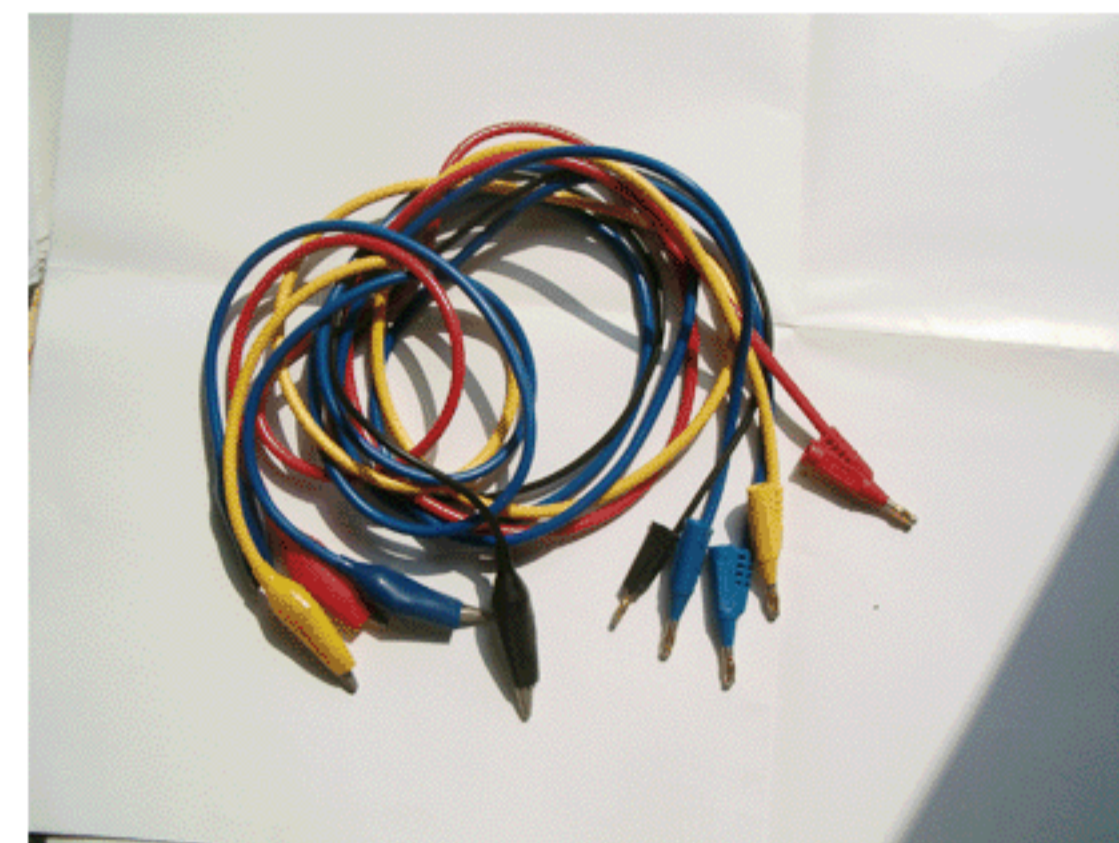
Getting Started Guide

Contents

1. Items in the SL210D packaging
2. Panel and test cord descriptions
3. Line fault type explanation
4. Operations



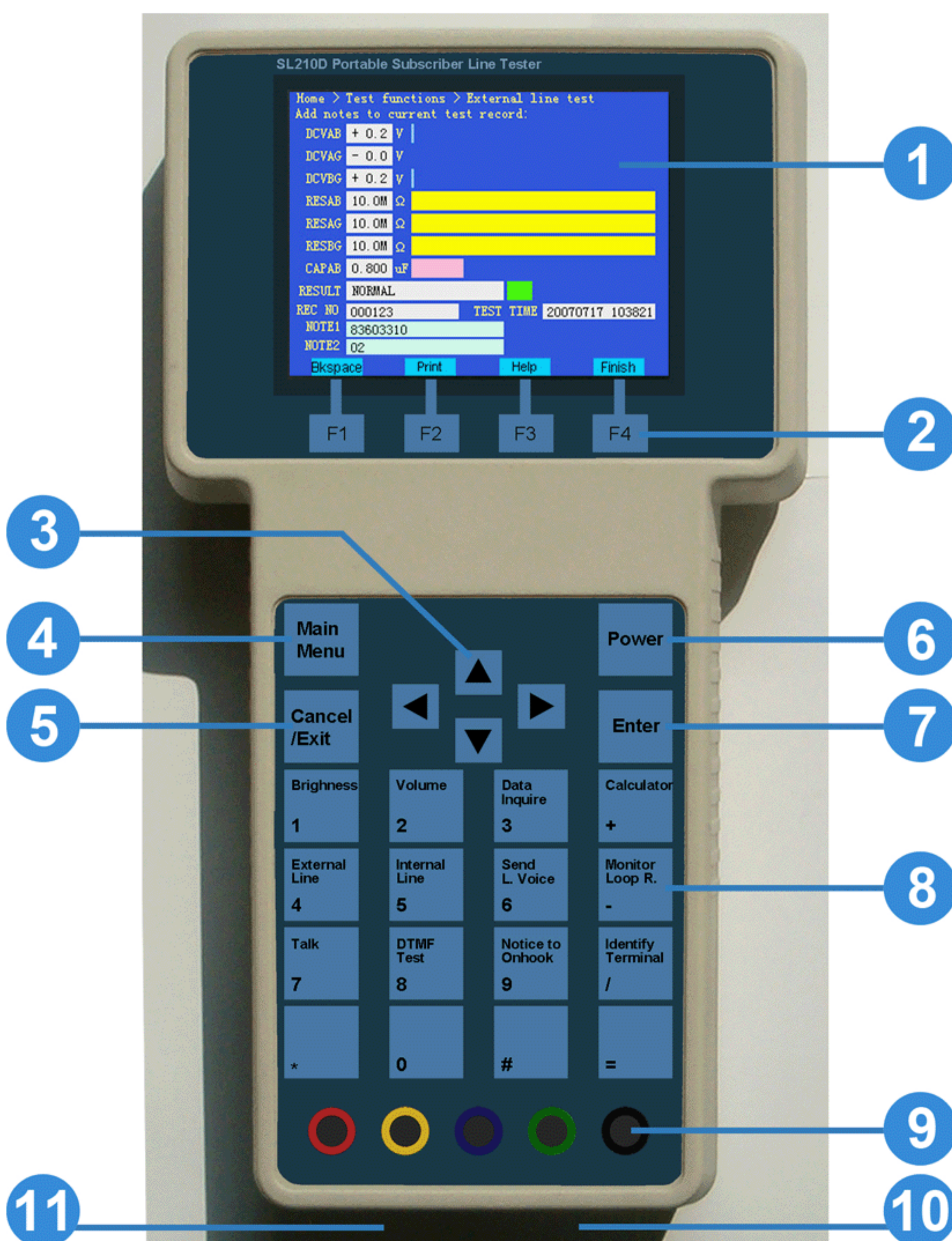
1. Items in the SL210D packaging



Items in the SL210D packaging:

- | | |
|---------------------------------------|--------|
| 1. SL210D tester | 1 pc. |
| 2. Test cords (about 1.5 meters long) | 5 pcs. |
| 3. Battery Charger (250V) | 1 pc. |
| 4. Telephone cord with 2 RJ11 plugs | 2 pcs. |
| 5. Telephone connection box | 2 pcs. |
| 6. Connection cord with 2 clamps | 2 pcs. |
| 7. Screwdriver | 2 pcs. |
| 8. Operation manual | 1 pc. |
| 9. Certificate of approval | 1 pc. |

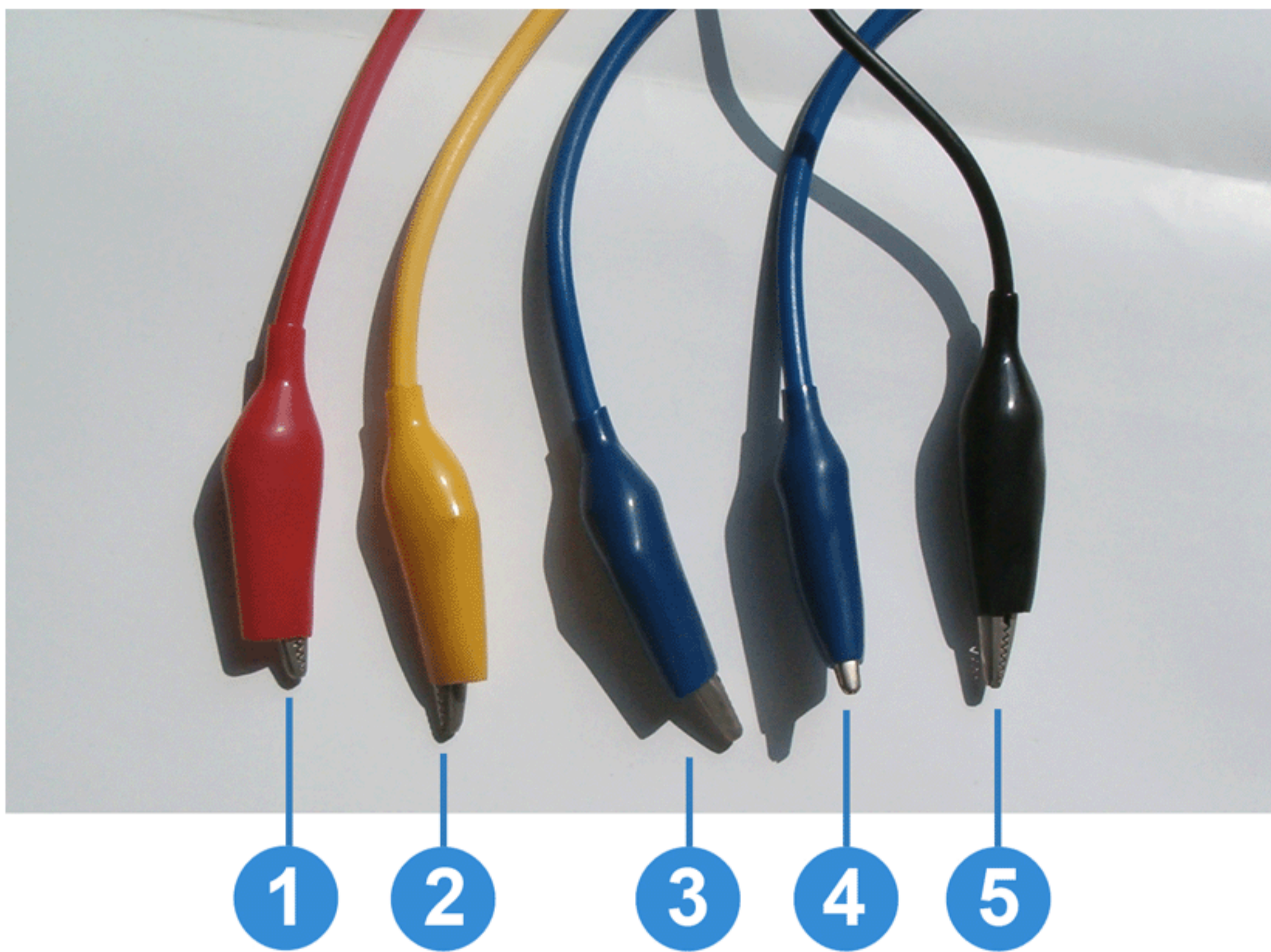
2. Panel and test cord descriptions



- 1 3.5" TFT Color Display - resolution: 320x240pixels.
- 2 General Function buttons - totally 4 buttons, F1 to F4.
- 3 Direction buttons - totally 4 buttons.
- 4 Main Menu button - anytime when this button pressed, the program return to main menu screen.
- 5 Canel/Exit button - cancel or exit operation.
- 6 Power button - when pressed for more than 3 seconds, the tester turn on or turn off the battery power.
- 7 Enter button - enter operation.
- 8 Special function buttons - totally 16 buttons, each button has 2 function. One for special function, one for digital or character.

Brightness,	1
Volume,	2
Data Inquire,	3
Calculator,	+
External Line,	4
Internal Line,	5
Send L. Voice,	6
Monitor Loop R.,	-
Talk,	7
DTMF Test,	8
Notice to Onhook,	9
Identify Terminal,	/
	*,0,#,=
- 9 Test cord sockets - totally 5 sockets with different colors.
- 10 Li battery charging port.
- 11 USB port.

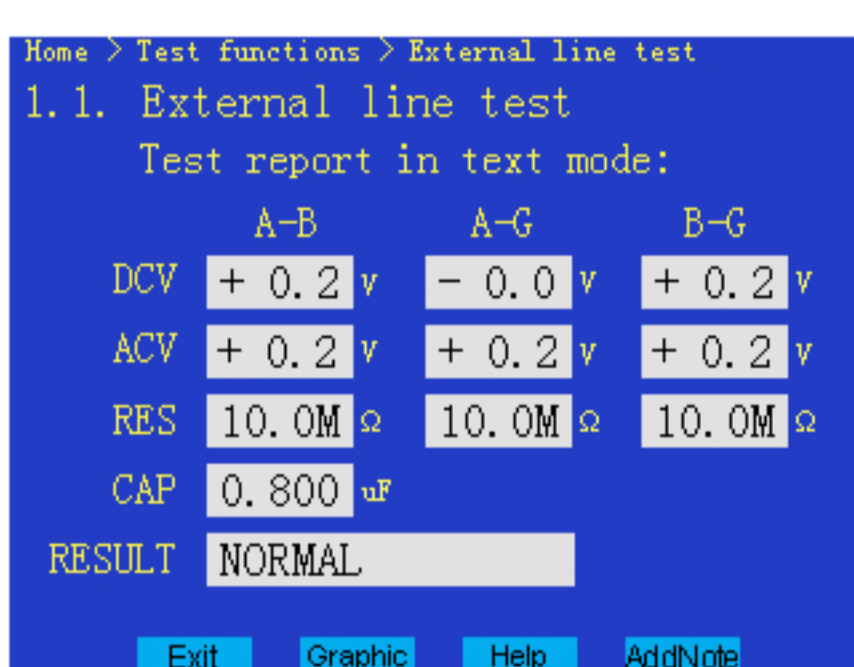
2. Panel and test cord descriptions (continued)



Test Cords
(each test cord is about 1.5 meters)

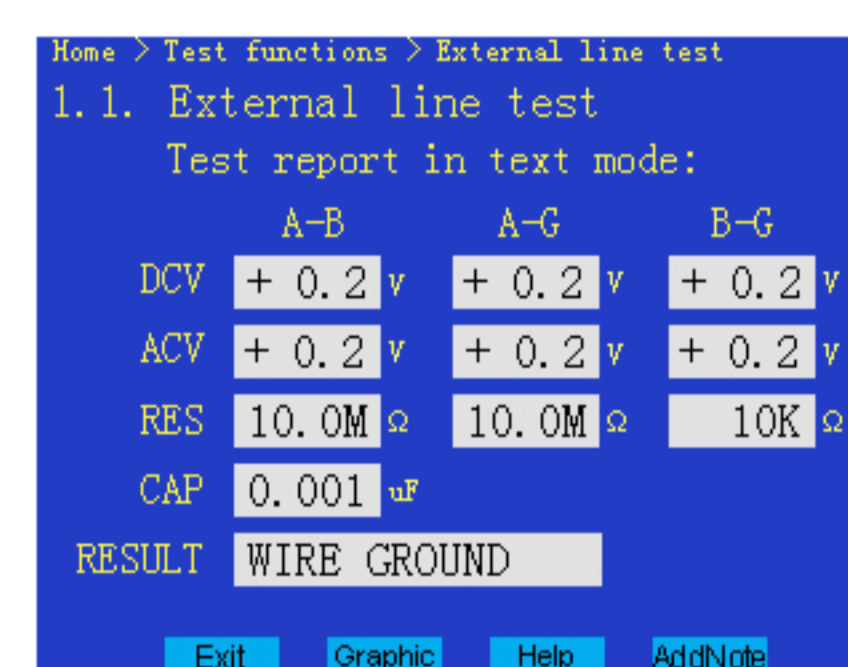
- 1 Red wire - connected to external line A, which is one of the two external lines, i.e. subscriber lines.
- 2 Yellow wire - connected to external line B, which is one of the two external lines, i.e. subscriber lines.
- 3 Blue wire - connected to internal line A, which is one of the two internal lines.
- 4 Green wire - connected to internal line B, which is one of the two internal lines.
- 5 Black wire - black. It should be connected to MDF's ground point.

3. Line fault type explanation



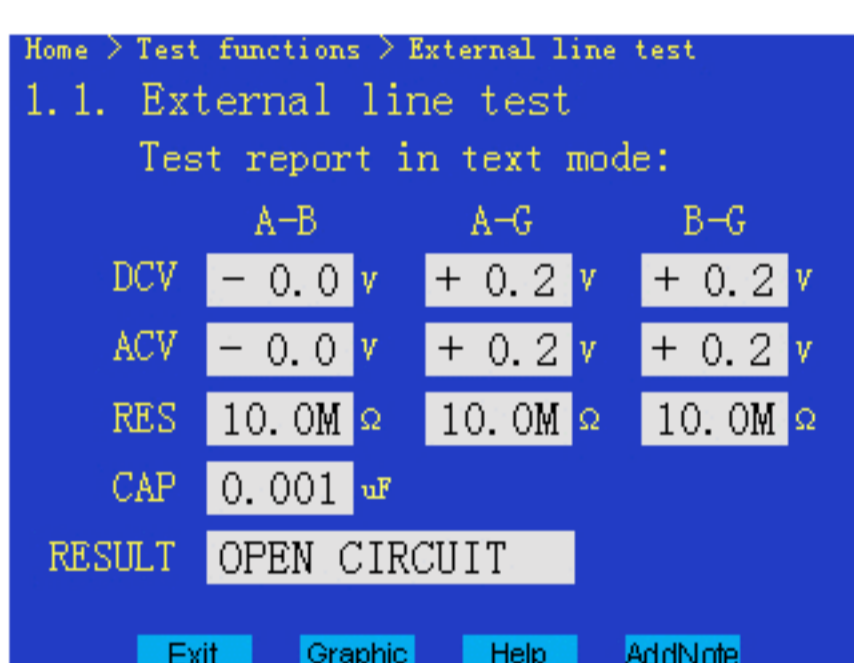
Normal

The subscriber line pair is normal. It means that all the 10 data items of the line pair, including all of the terminal devices attached to this line pair, are correct. Generally, the terminal devices can work normally.



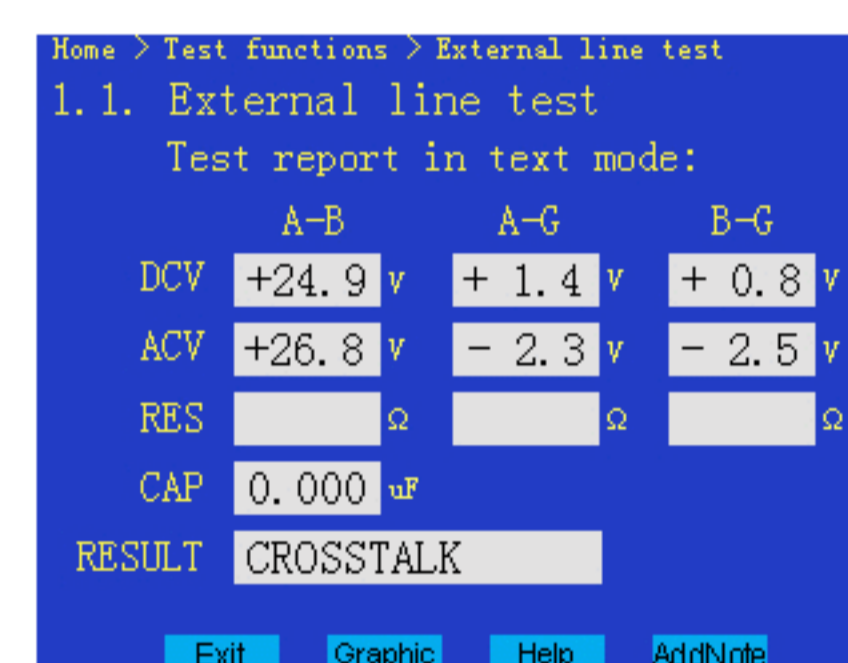
Wire Ground

One or two lines of the subscriber line pair fall to the ground. Generally, the resistance of A-Ground or B-Ground is roughly from 0 to 200k ohm. This case often happens in rainy days and some noise can be heard during talking.



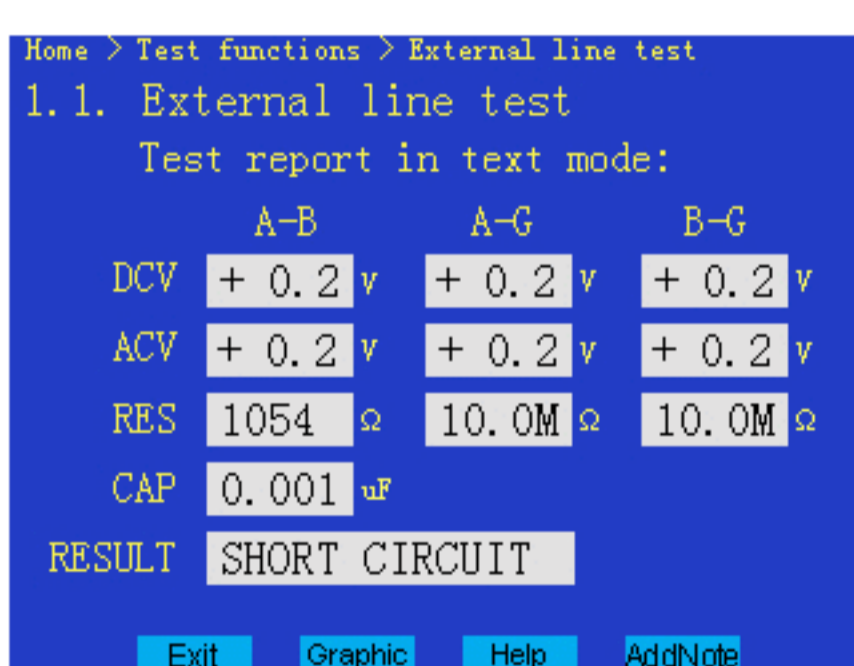
Open Circuit

The subscriber line pair is broken. It means that one or two lines of the line pair are broken. So the terminal device can not work at all.



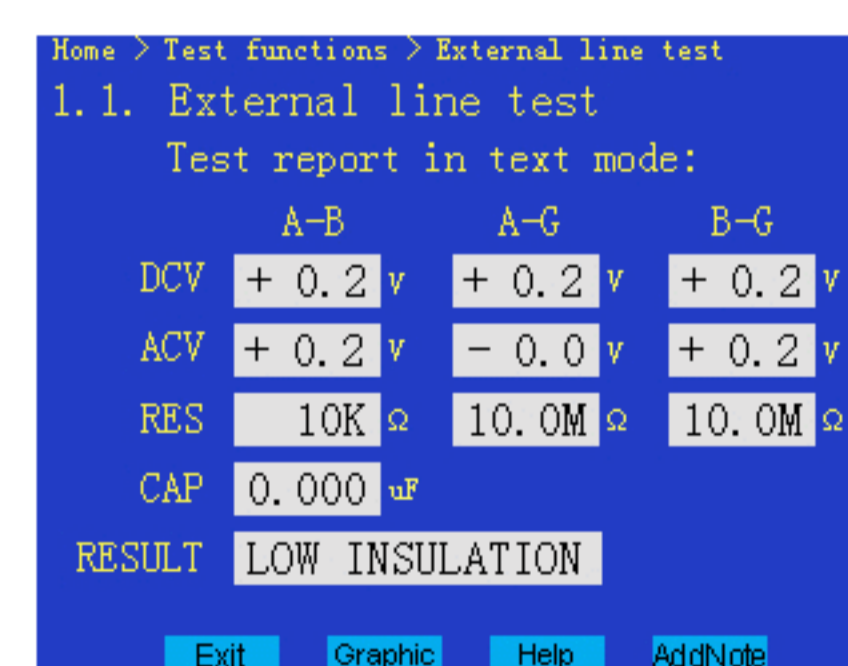
Crosstalk

One of two lines of the subscriber line pair touch with another line pair. It is also called touching foreign voltages of excessive DC voltage in some different exchanges.



Short Circuit

The two lines of the subscriber line pair touch each other. Generally, the A-B resistance is roughly from 0 to 2000 ohm. One of the cases is that the line pair is normal, but the phone is off-hook.



Low Insulation

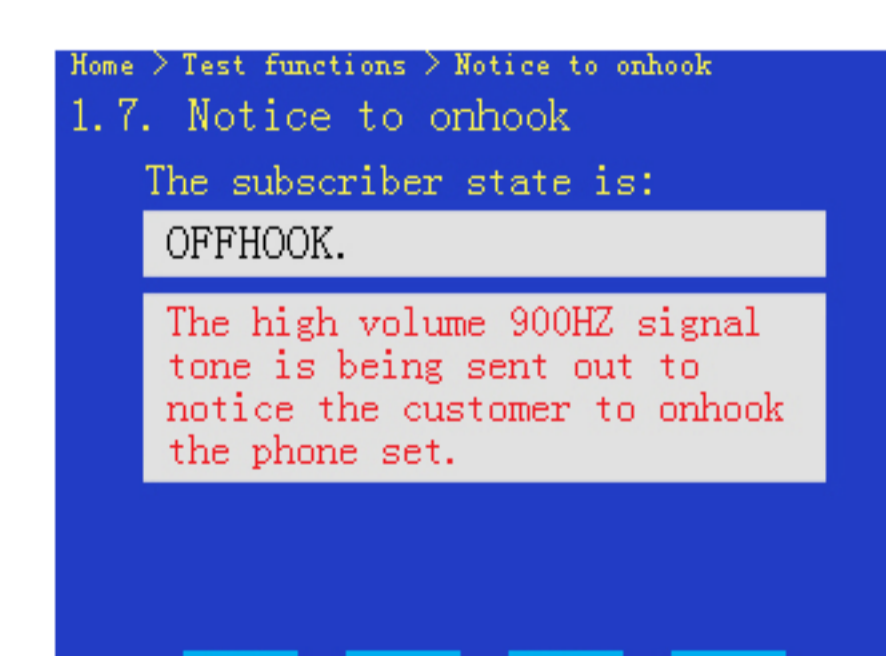
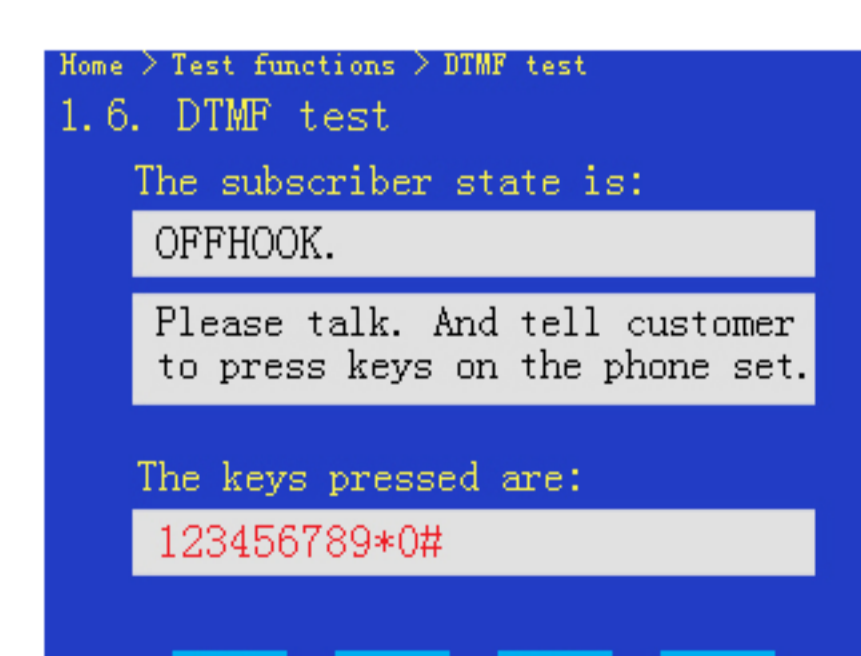
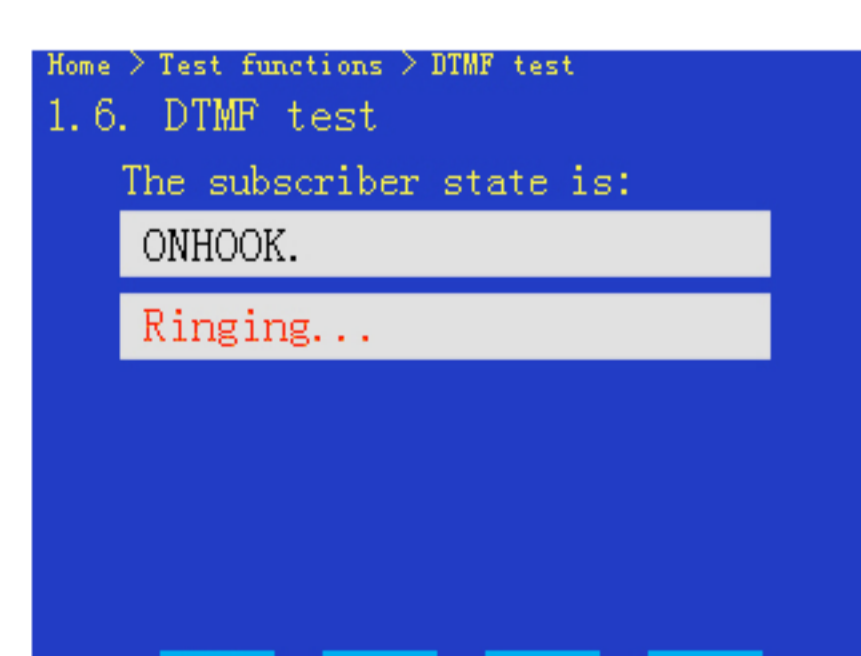
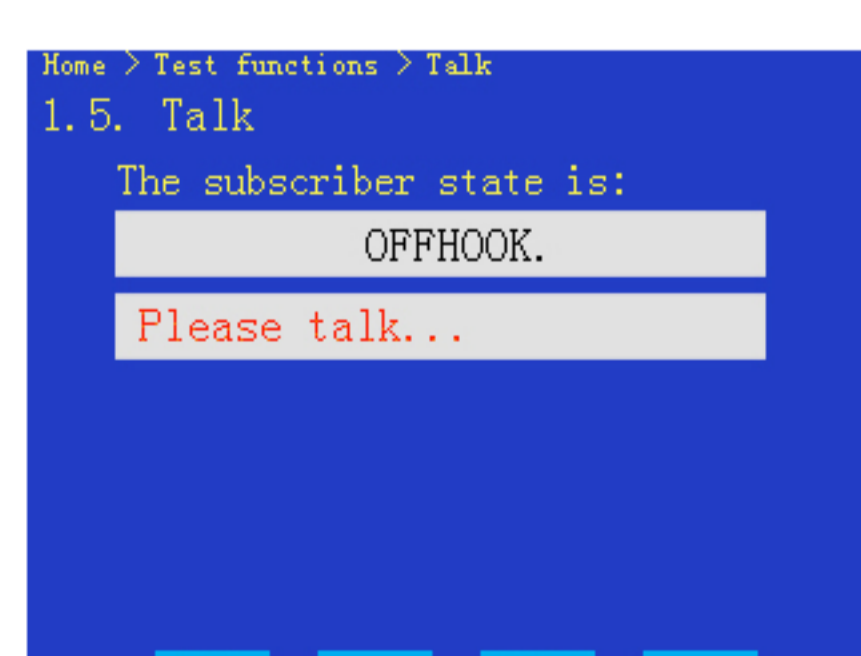
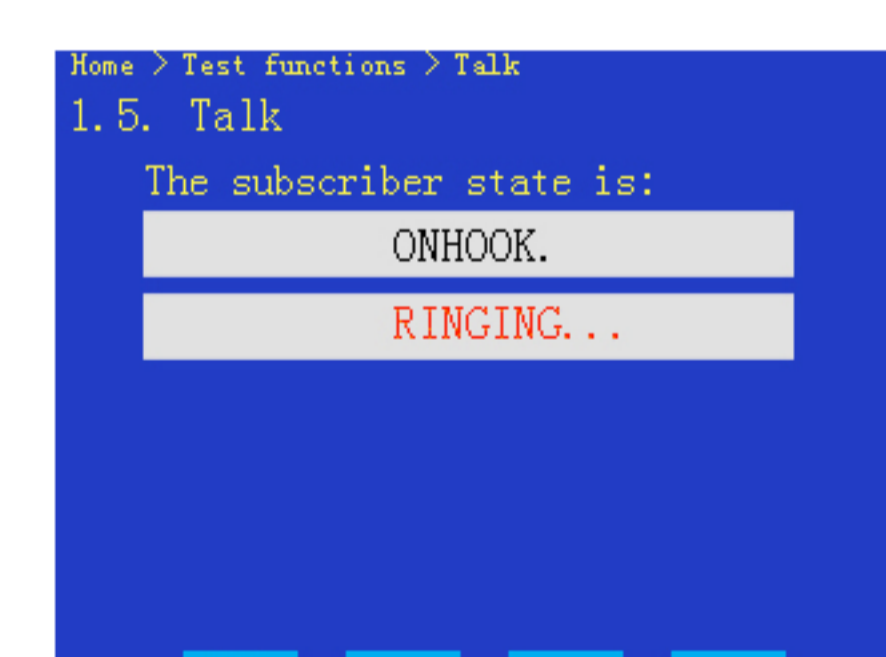
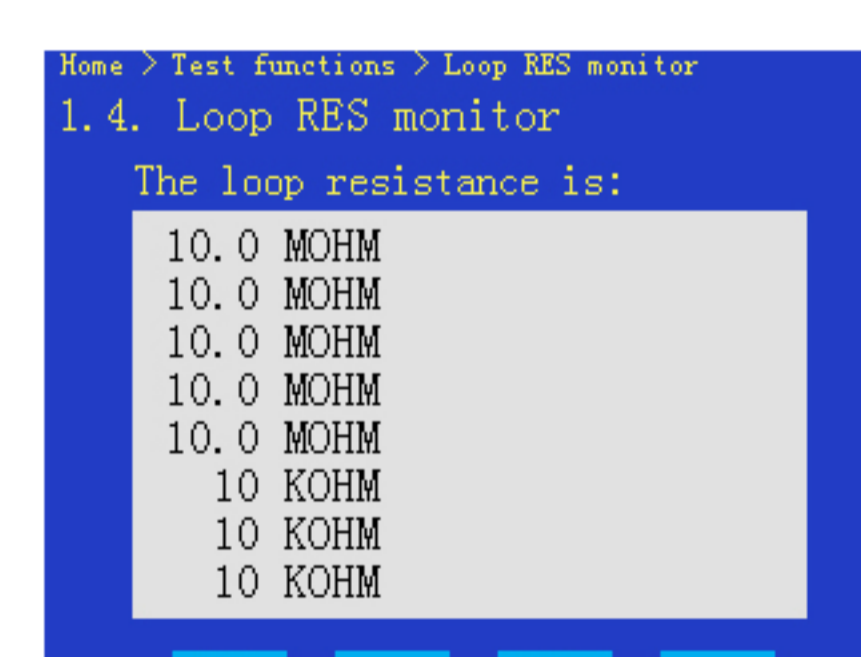
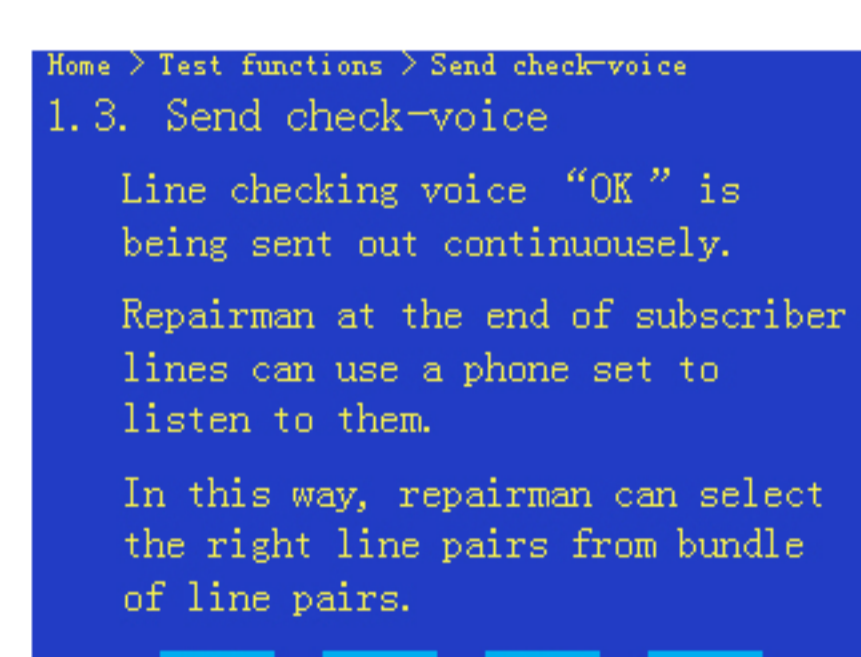
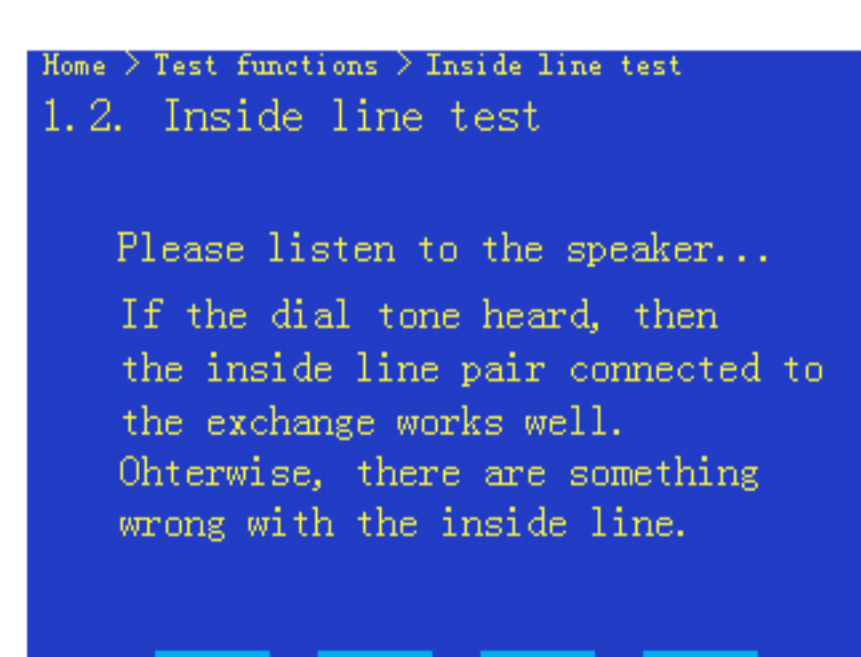
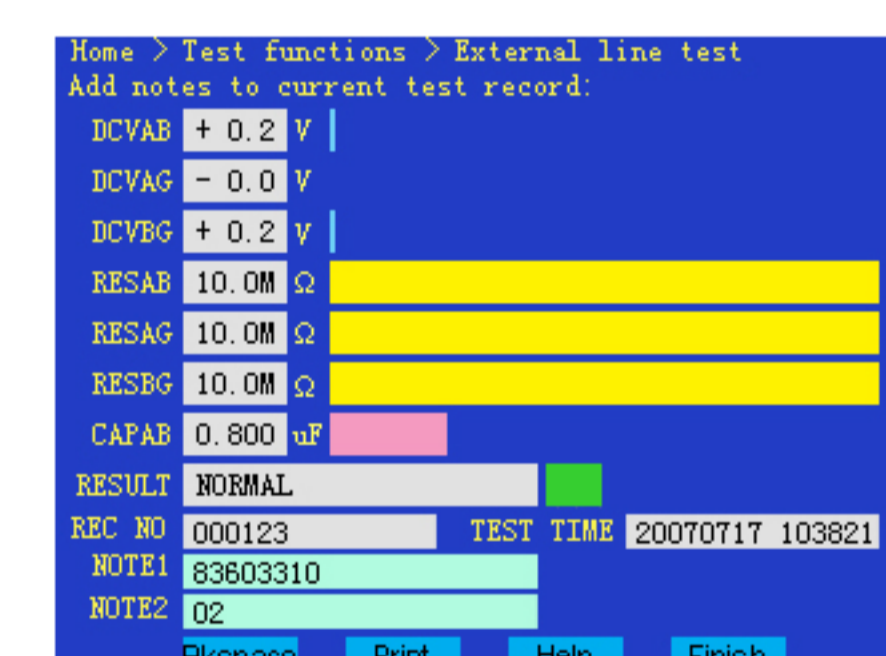
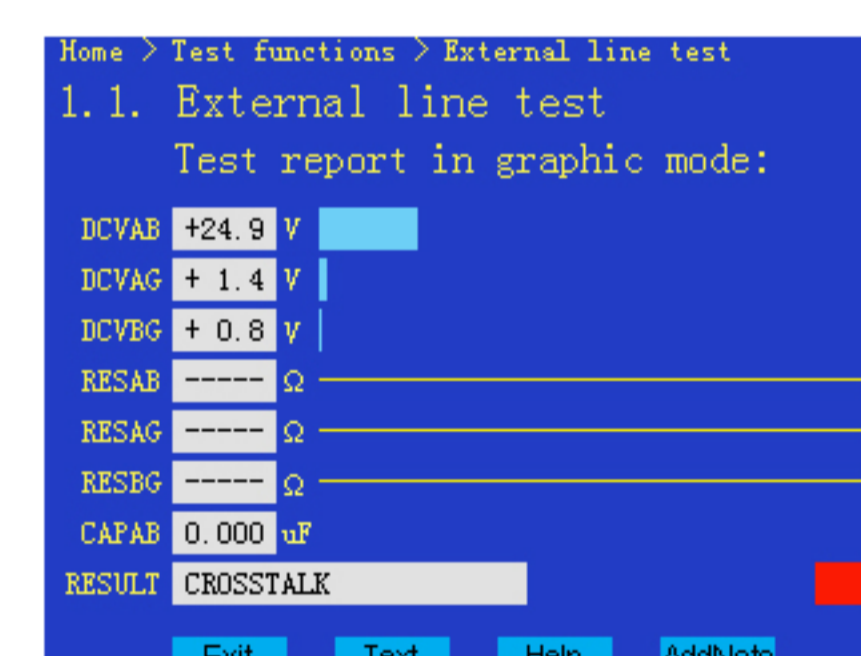
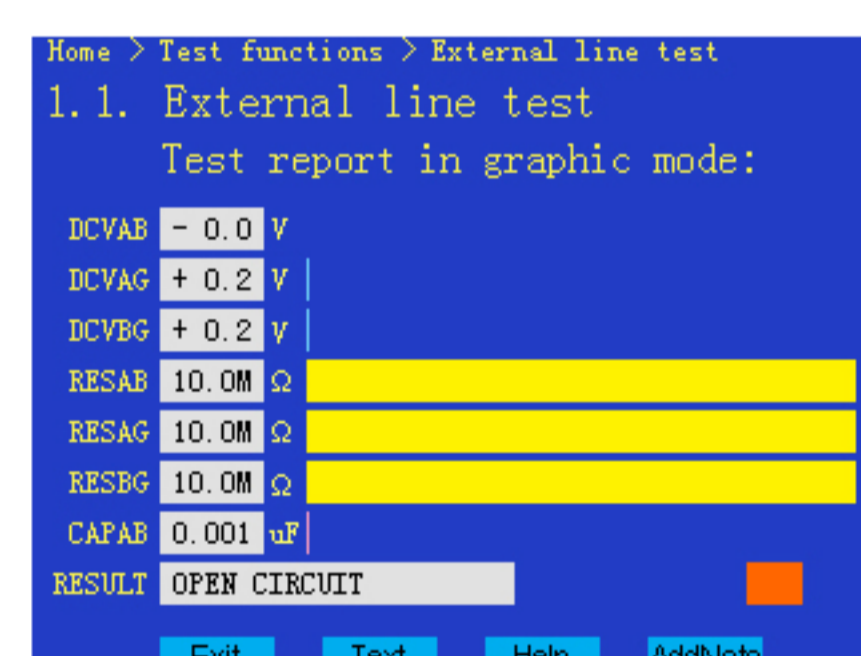
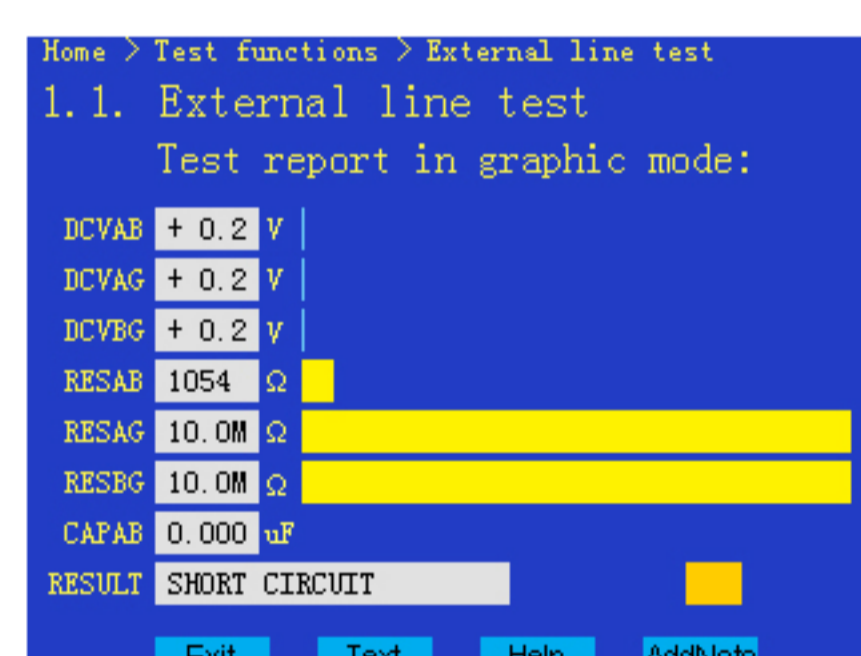
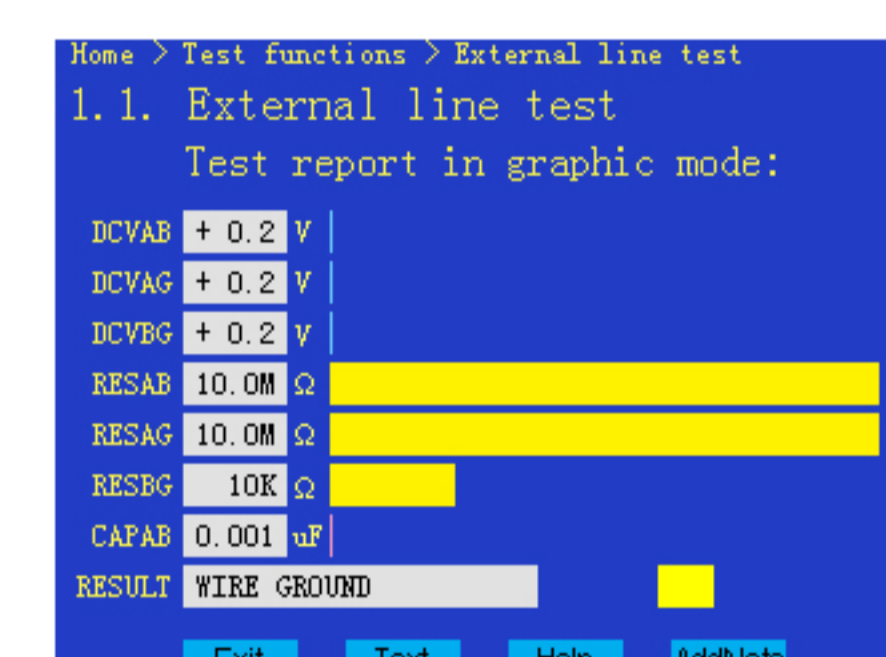
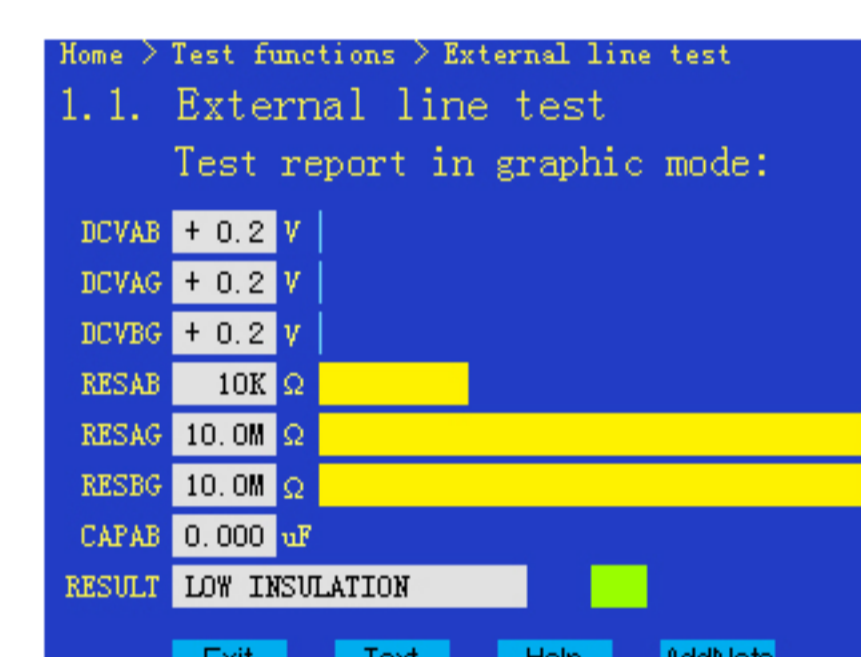
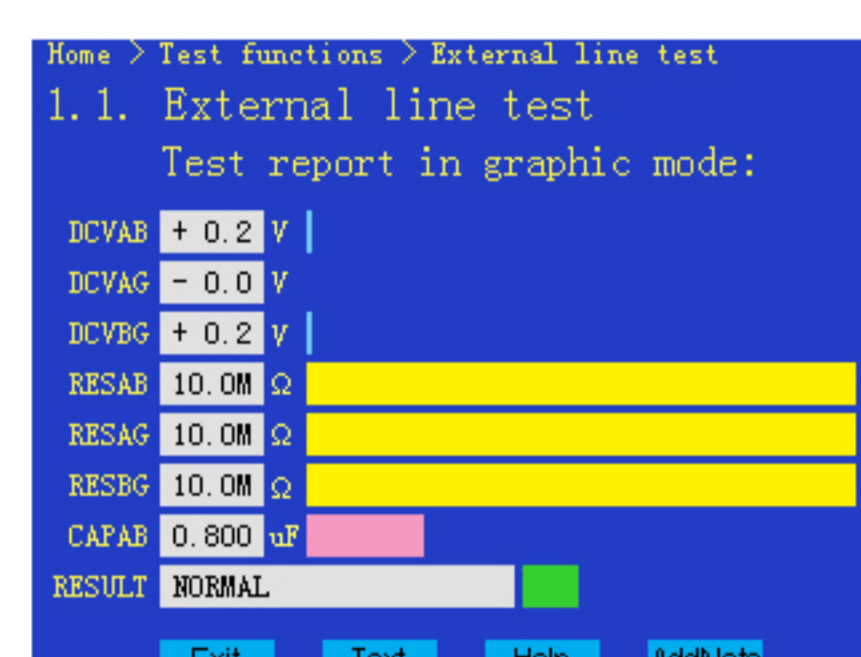
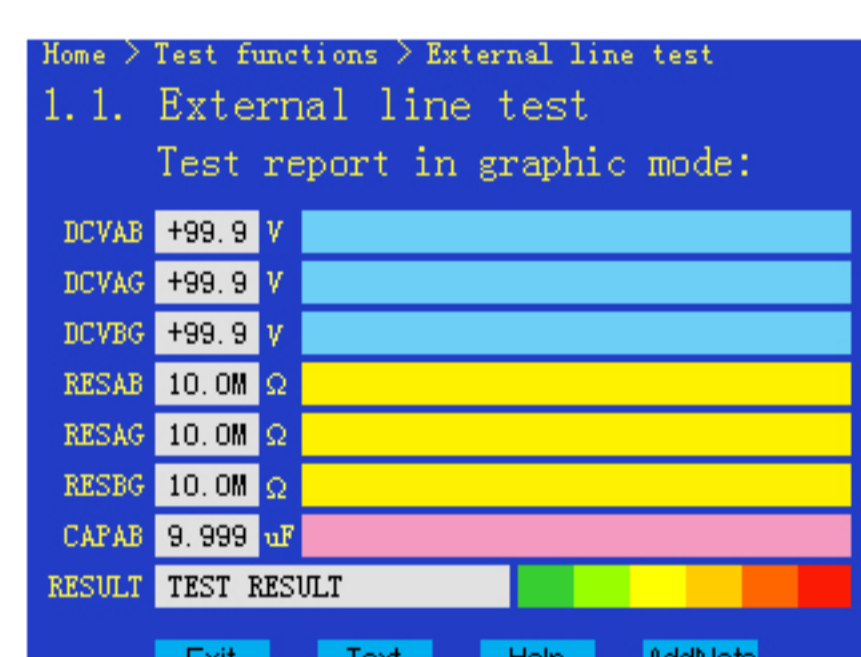
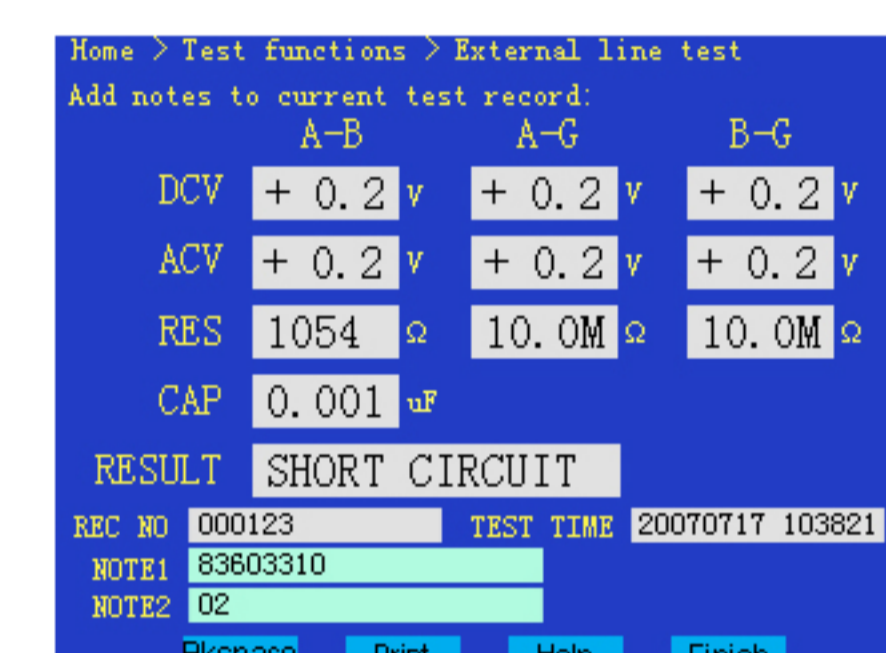
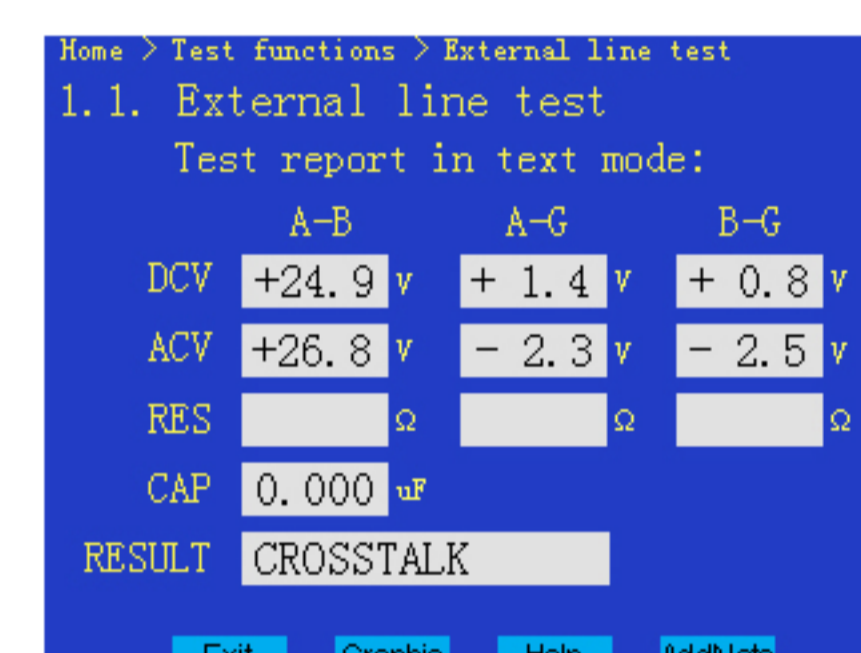
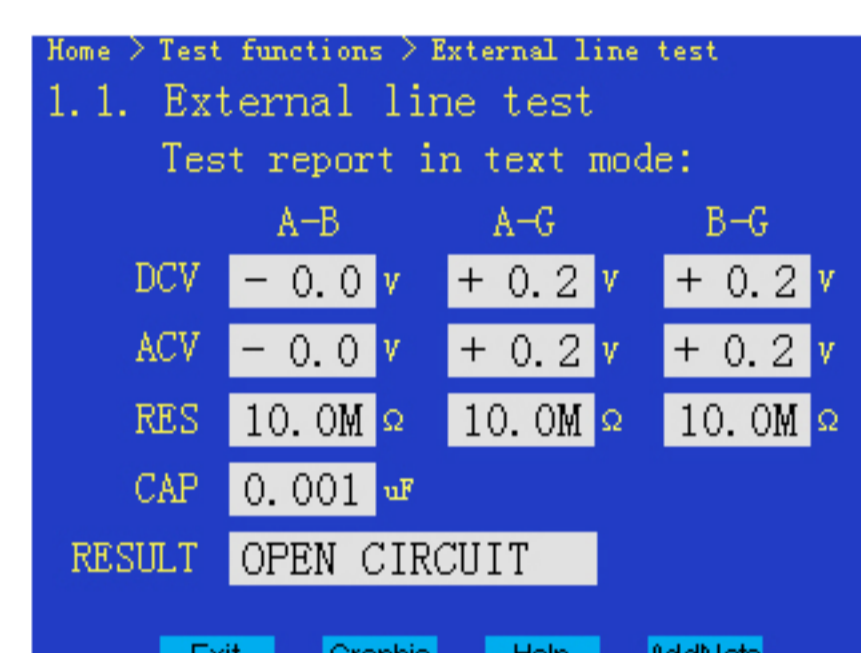
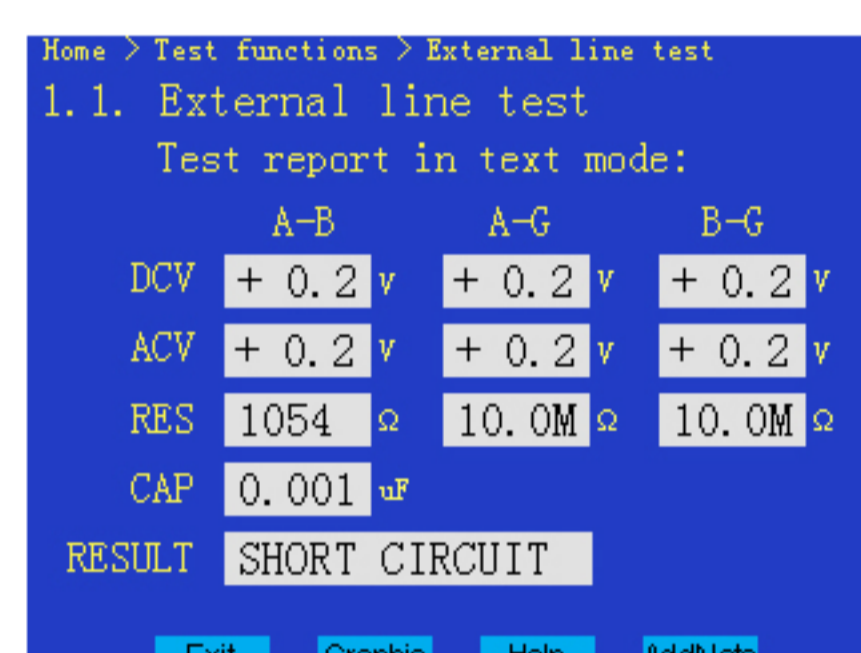
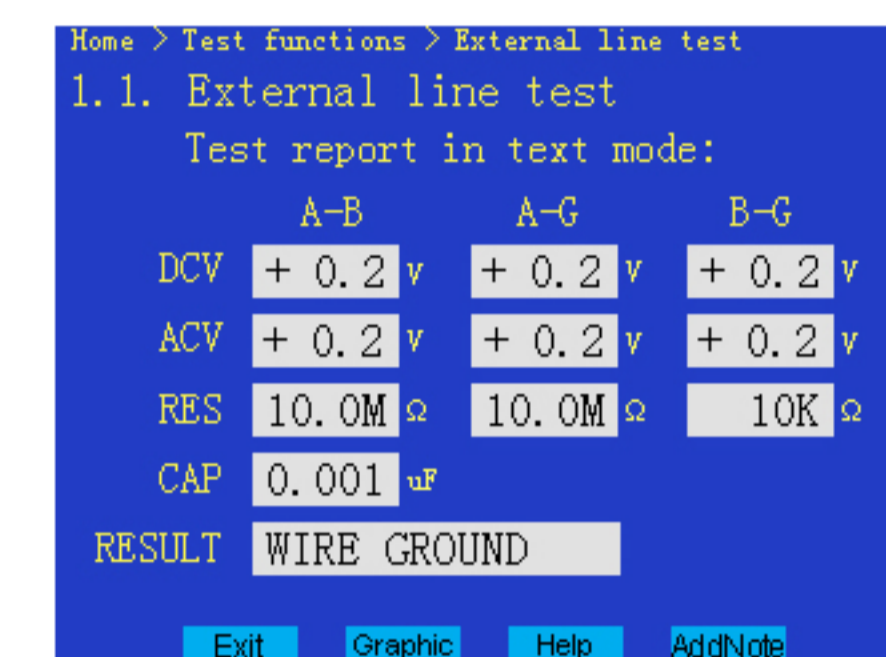
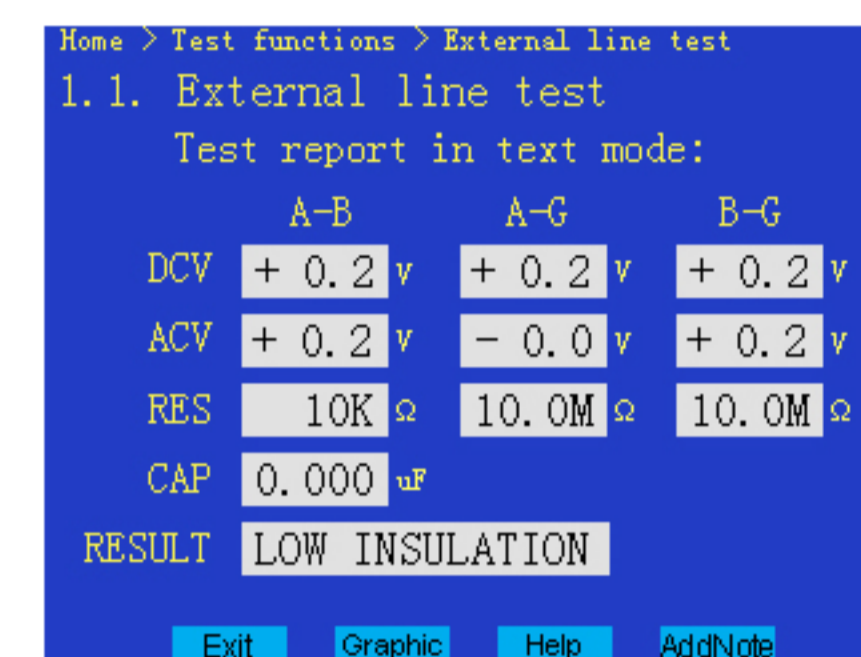
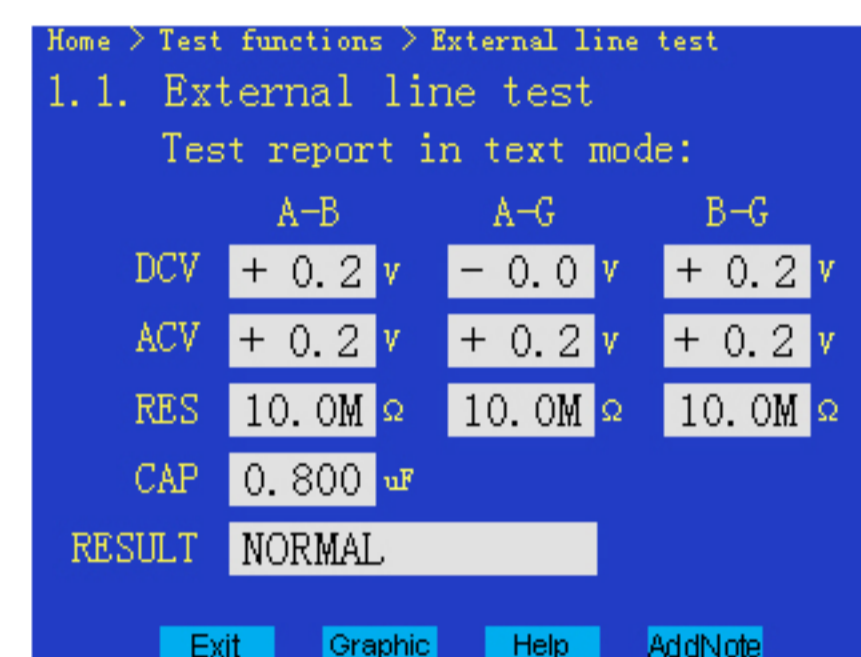
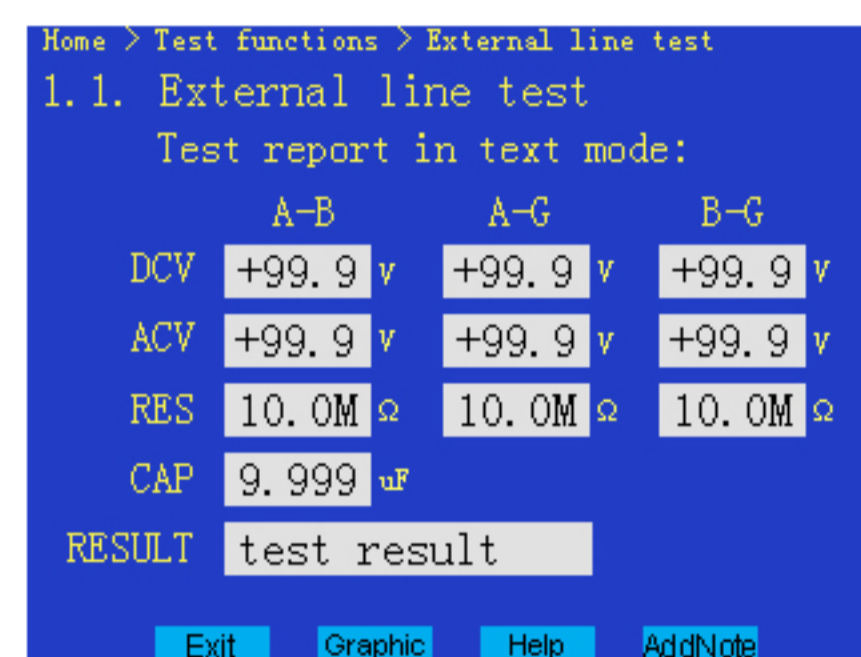
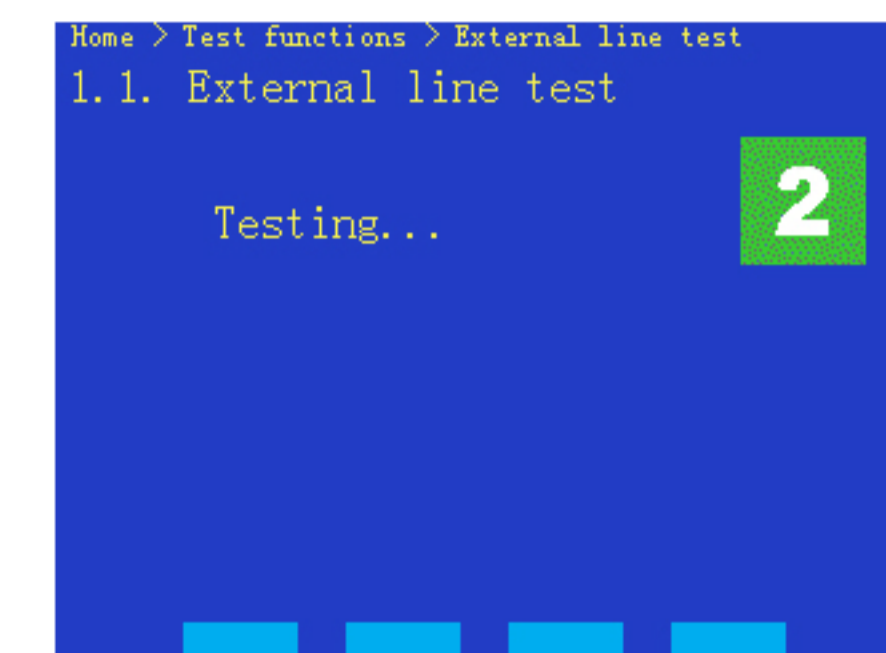
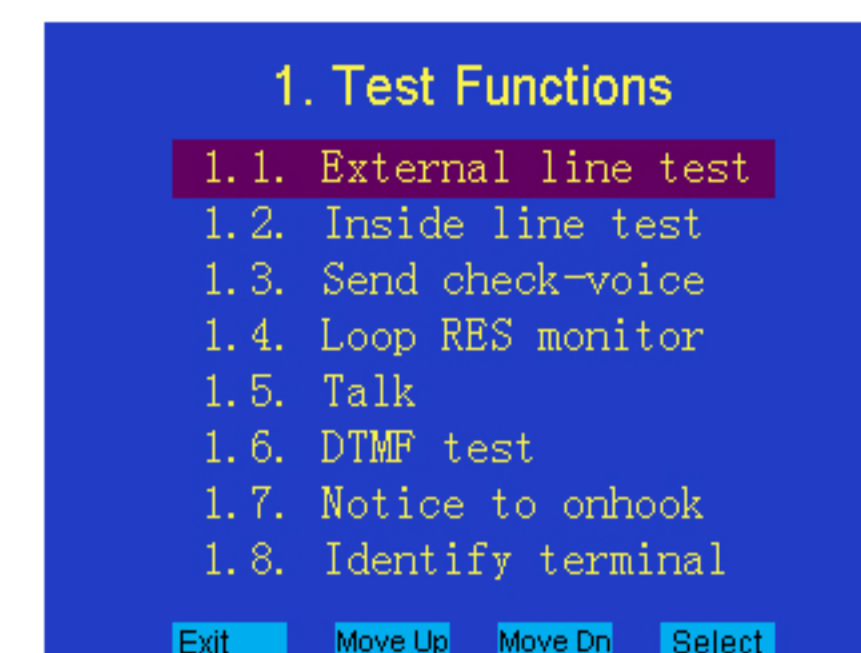
The insulation resistance between A-B is not good enough to ensure the normal talking. The A-B resistance is generally from 2k to 200k ohm. This case often happens in rainy days and some noise can be heard during talking.

4. Operations

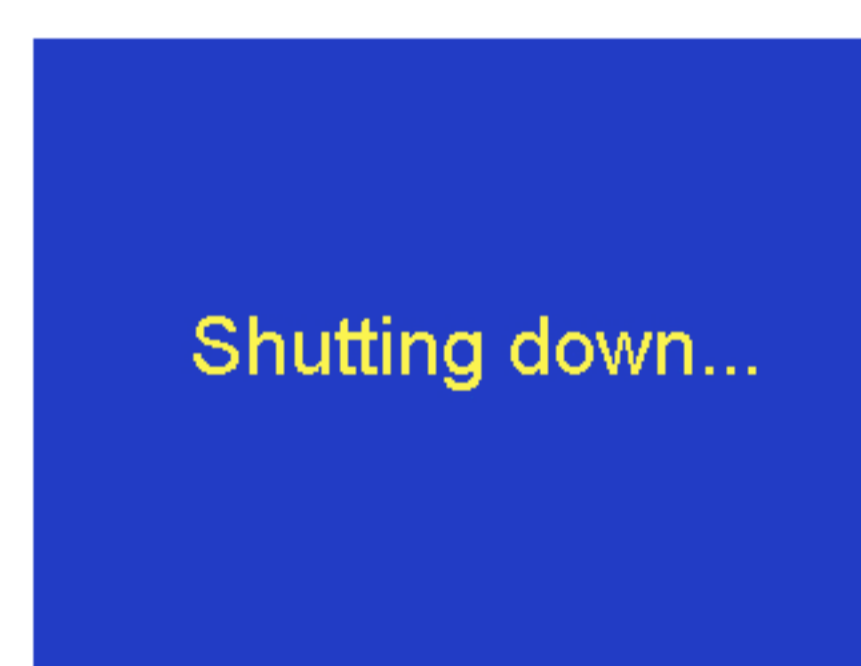
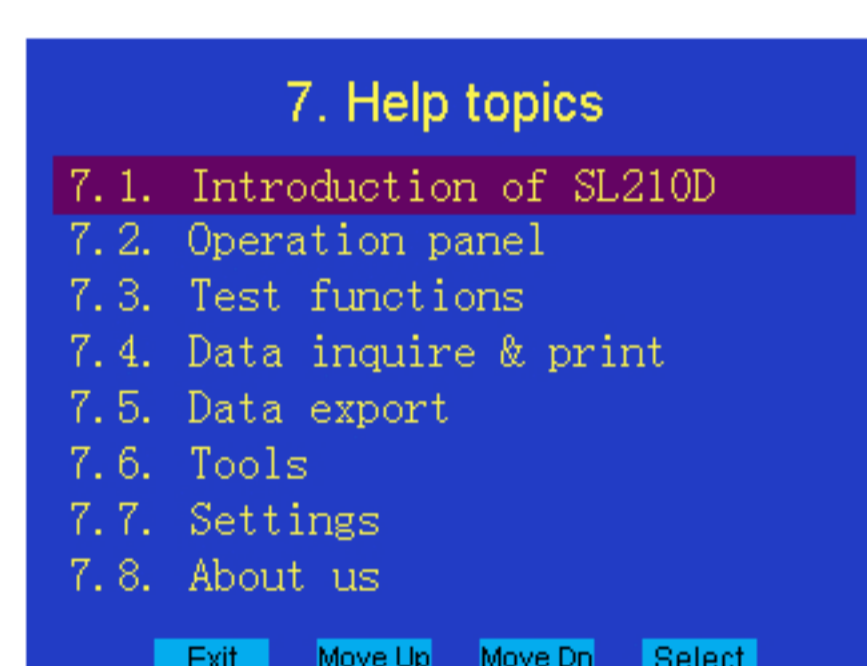
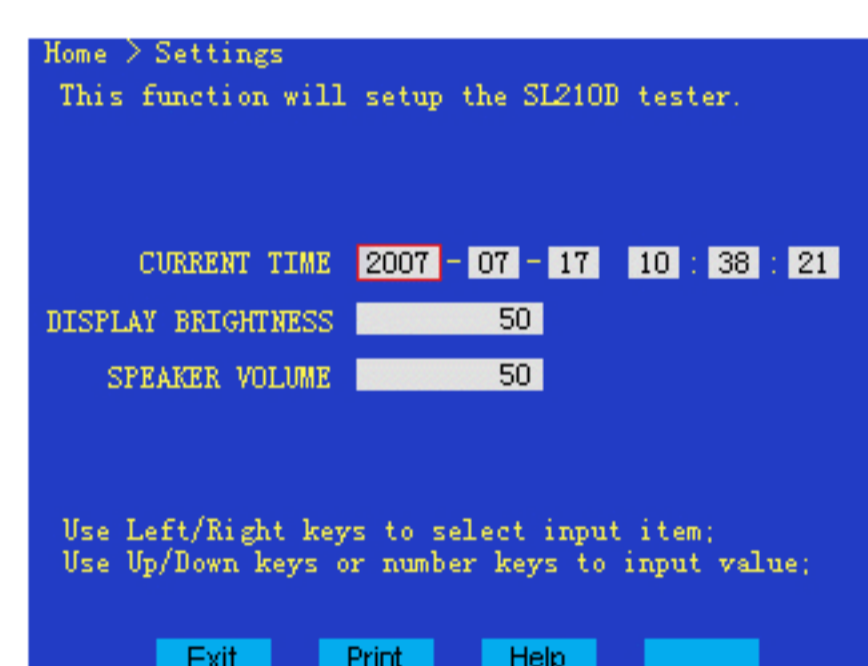
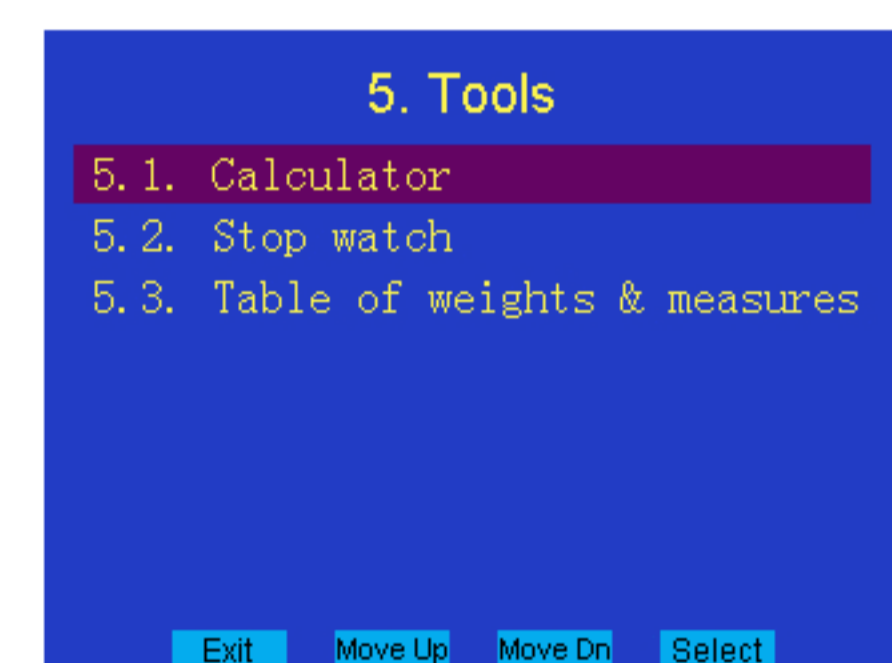
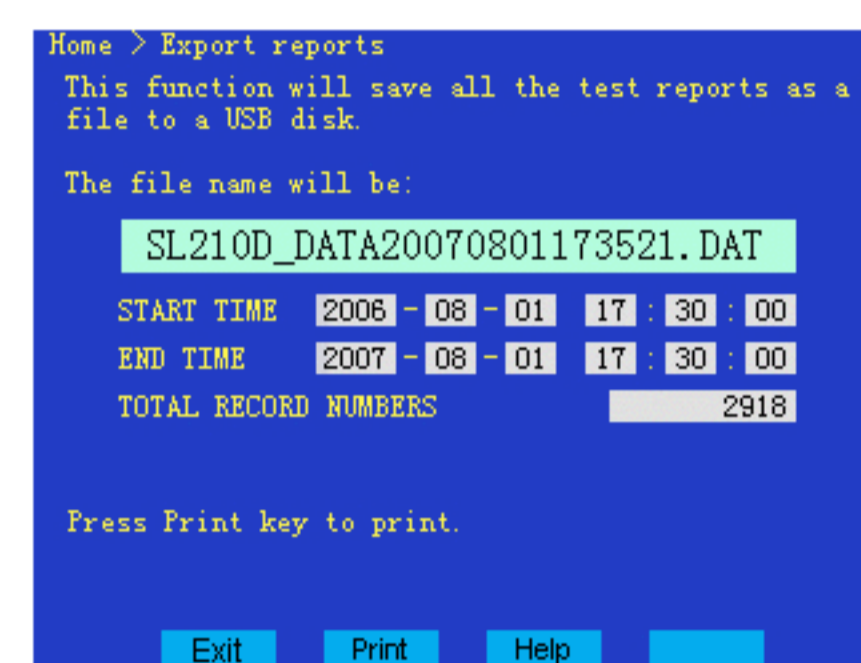
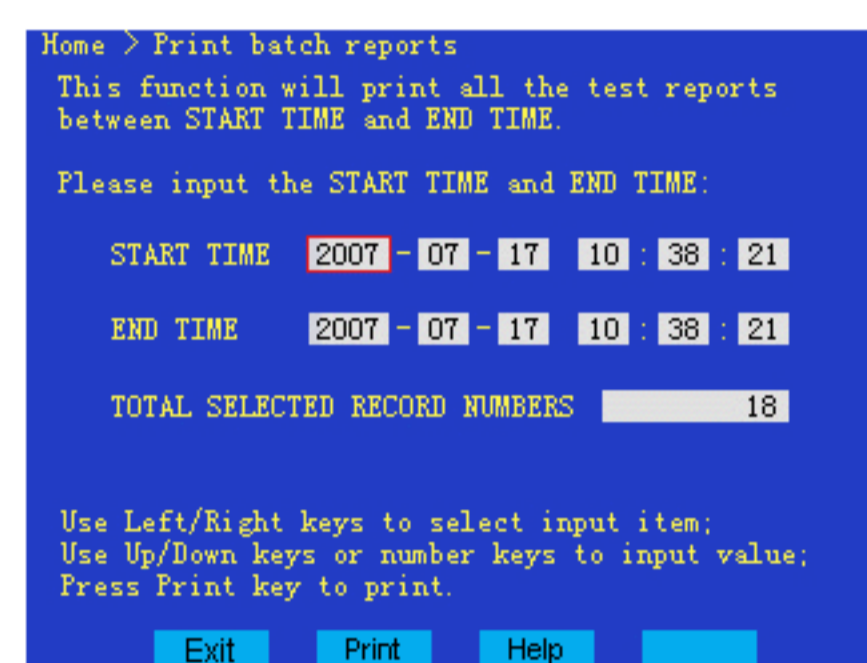
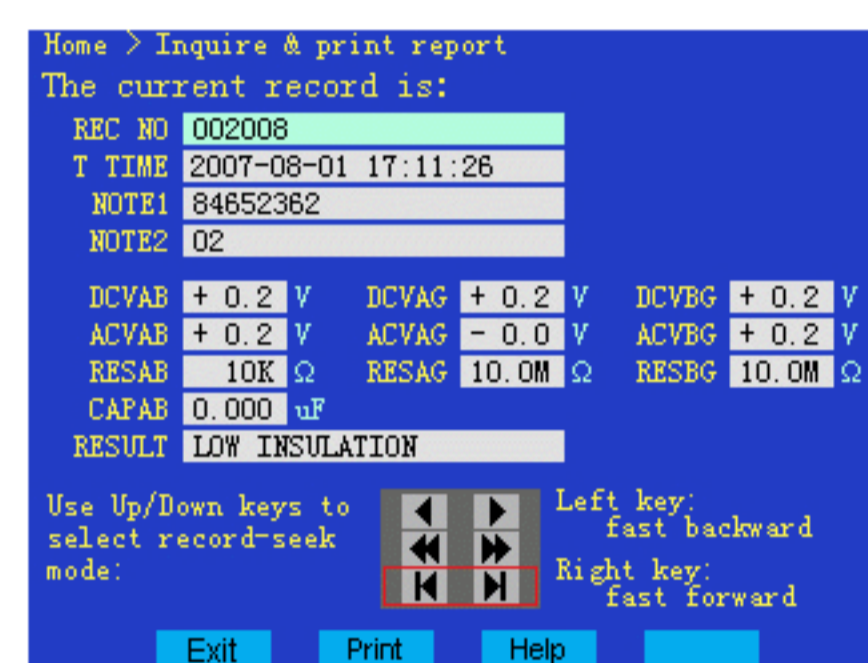
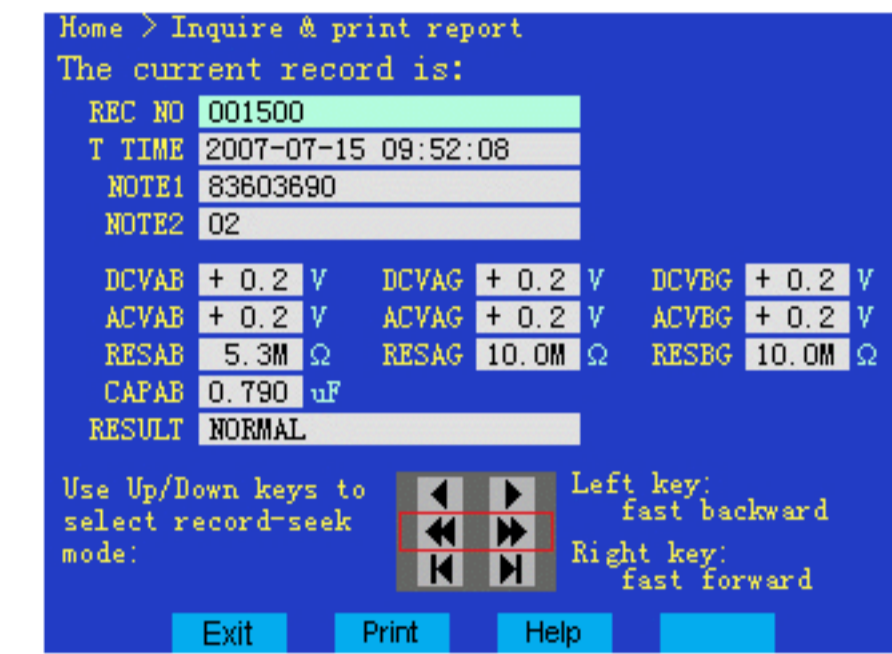
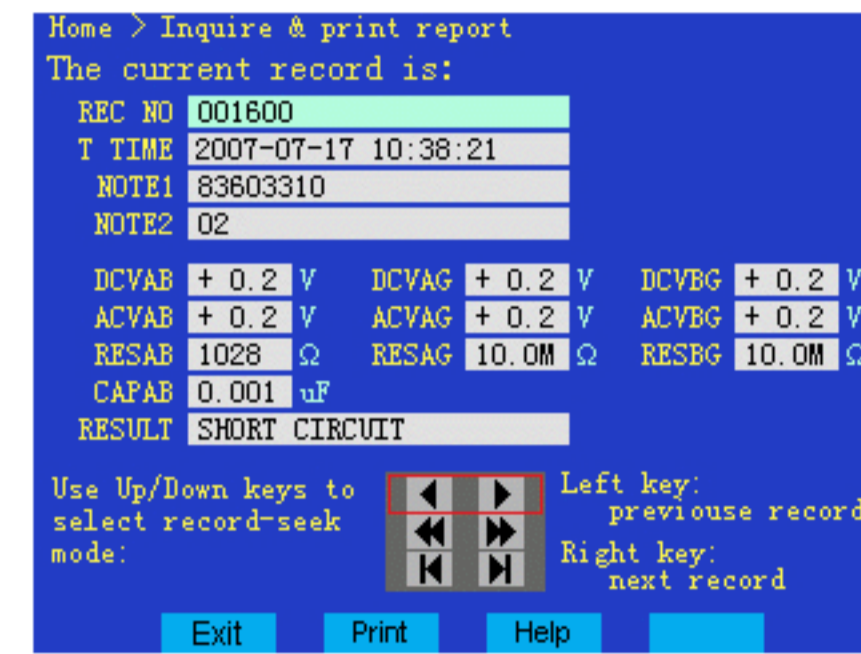
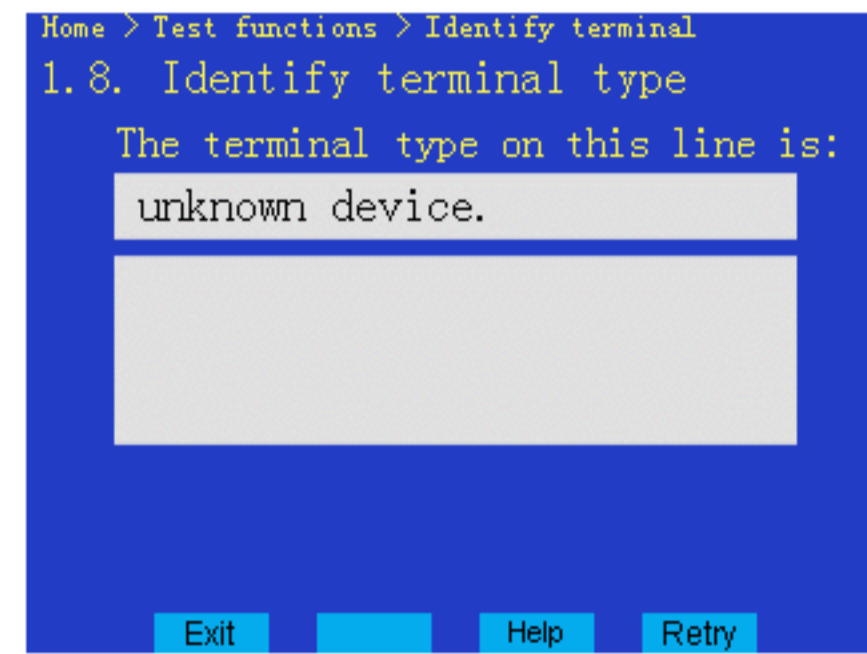
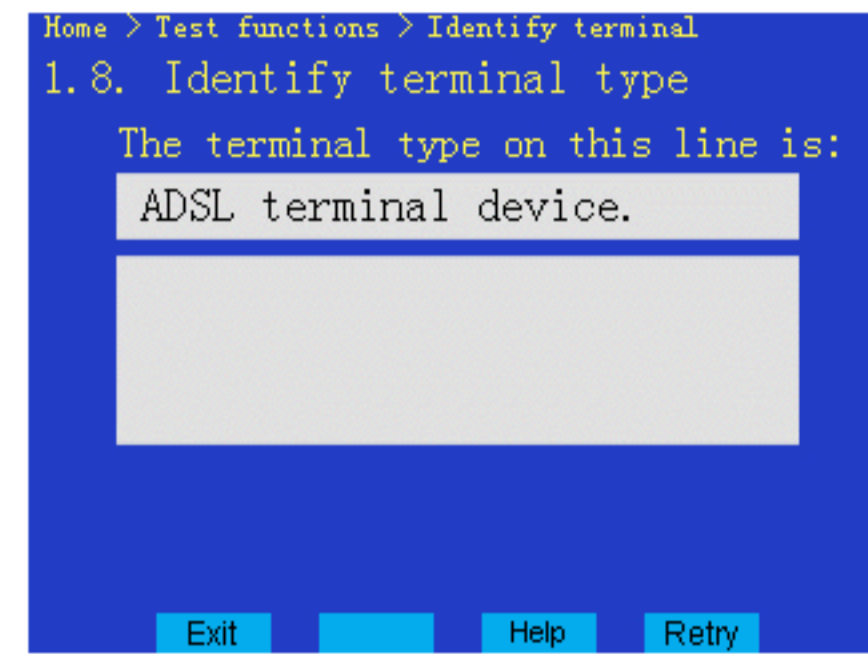
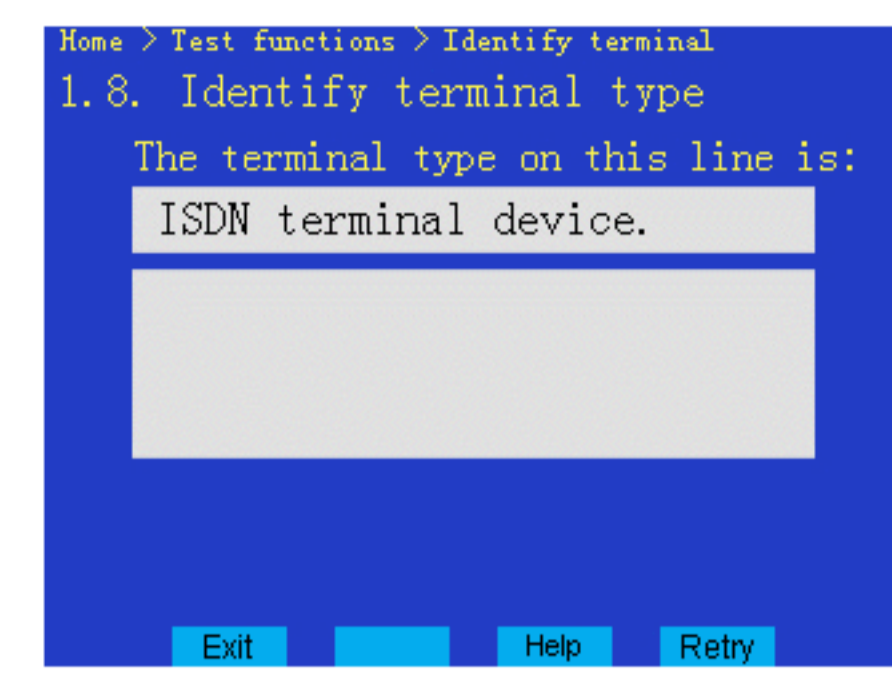
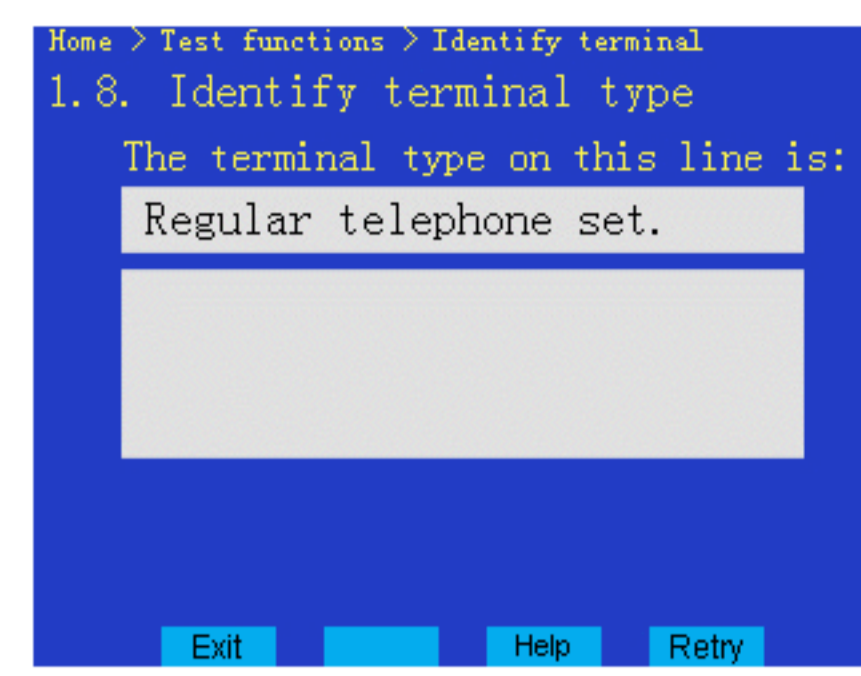
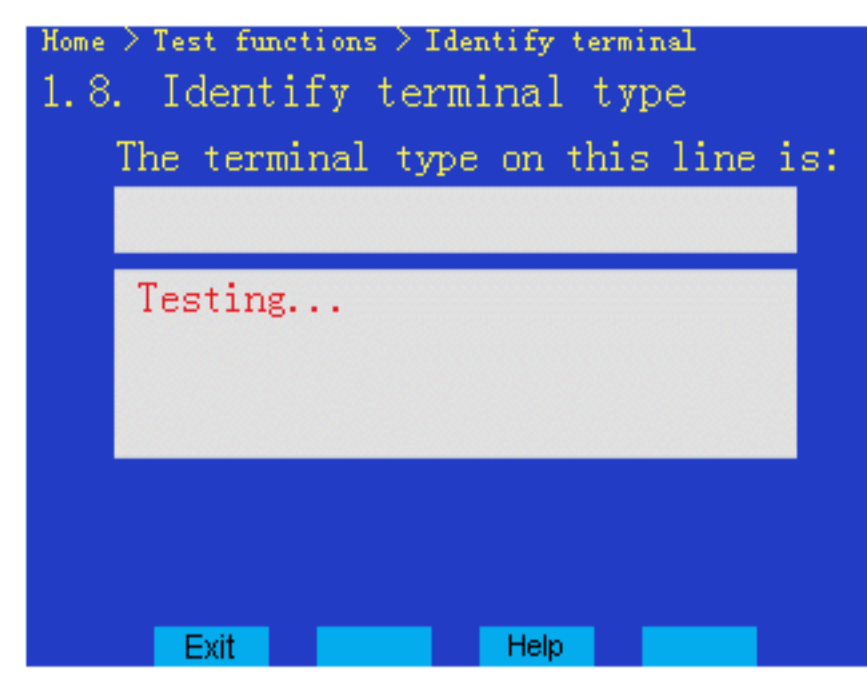
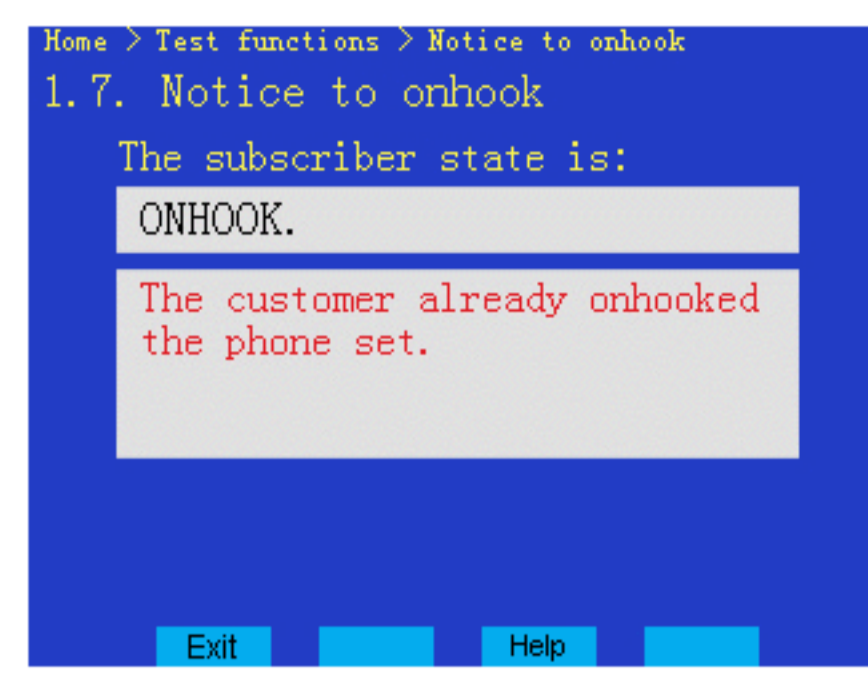
The different functions are executed by pressing the respective function buttons on the tester panel.

The results are displayed on the LCD display. At the same time, some test results are played out by the speaker.

The main LCD screens are listed here for reference.



4. Operations(continued)



SL210D

Portable Subscriber Line Tester