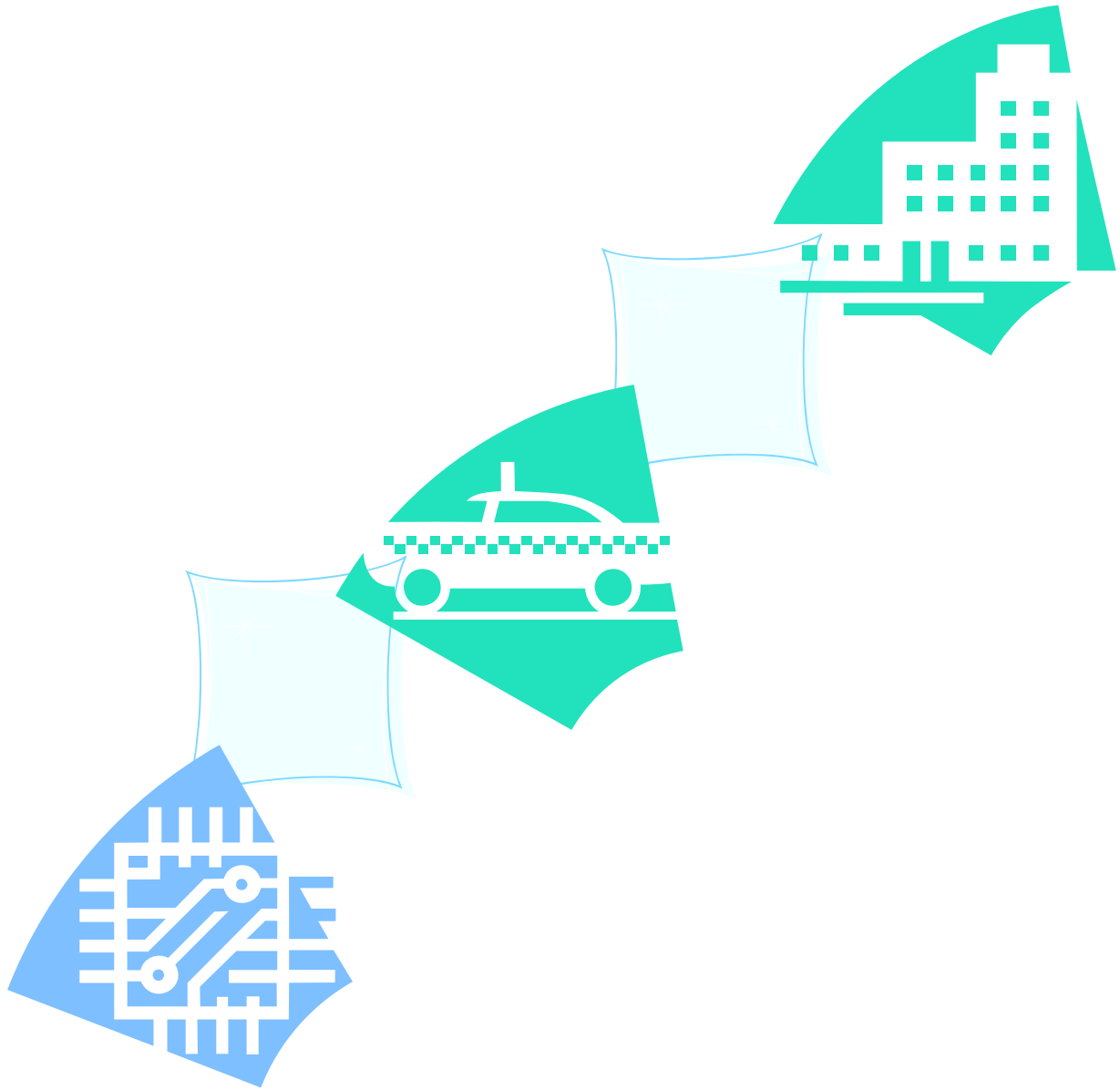


SIM300 User Manual



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1 SIM300 EVB and accessories

1.1 SIM300 EVB

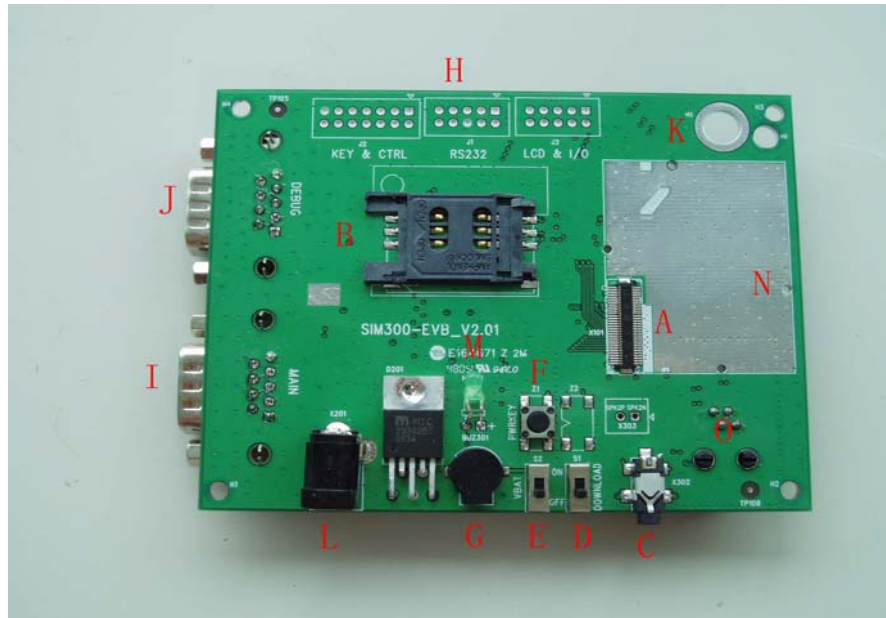


Figure 1: EVB TOP view

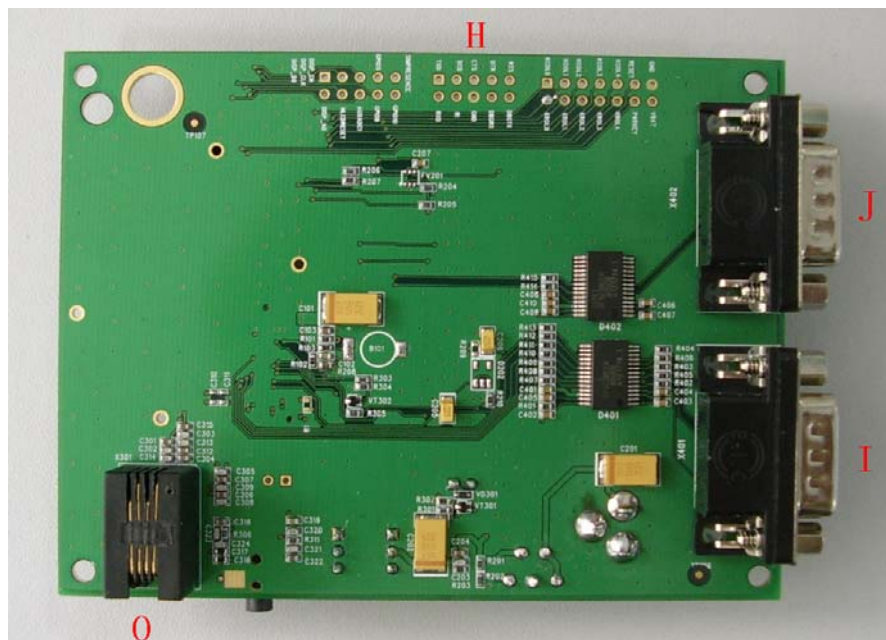
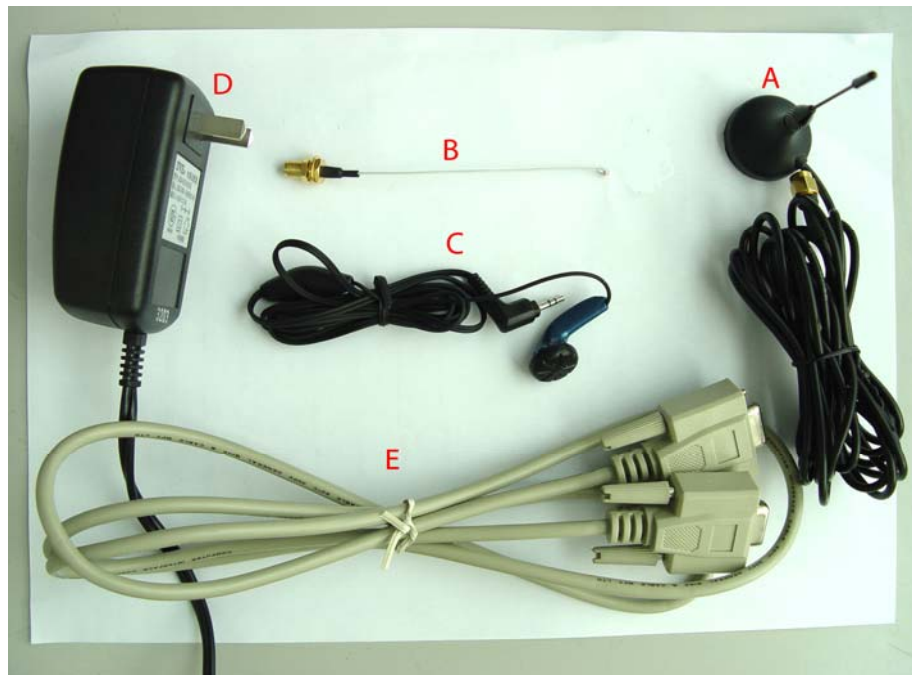


Figure 2: EVB BOTTOM view

- A: SIM300 module interface
- B: SIM card interface
- C: headset interface

- D: Download switch, turn on or off download function
- E: VBAT switch, switch the voltage source from the adaptor or external battery
- F: PWRKEY key, turn on or turn off SIM300
- G: buzzer
- H: expand port, such as keypad port, main and debug serial port, display port
- I: MAIN serial port for downloading, AT command transmitting, data exchanging
- J: DEBUG serial port
- K: hole for fixing the antenna
- L: source adapter interface
- M: light
- N: hole for fixing the SIM300
- O: headphones interface

1.2 accessories



- A: antenna
- B: antenna transmit line
- C: headset
- D: 5V DC source adapter
- E: serial port line

2 EVB and accessory equipment

At normal circumstance, the EVB and its accessory are equipped as the nether figure:



Figure 3: EVB and accessory equipment

3 Operation

Firstly, please equip the module and accessories as the figure 3:

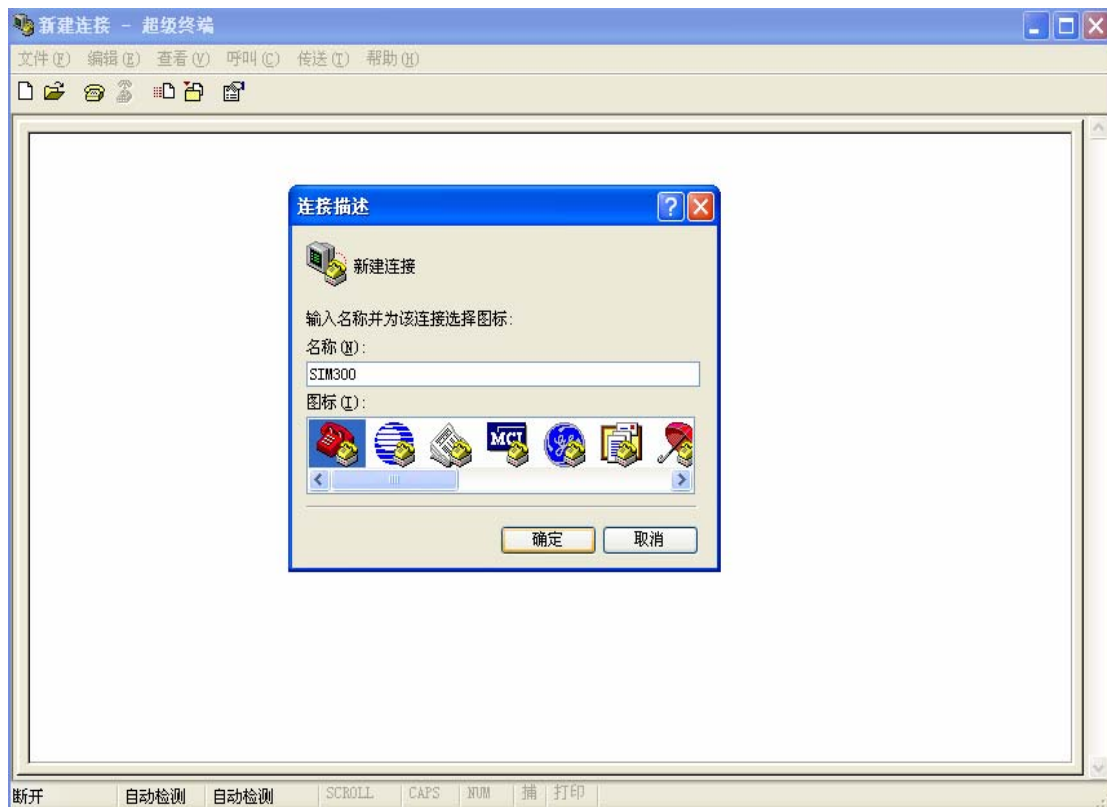
3.1 Tune up procedure

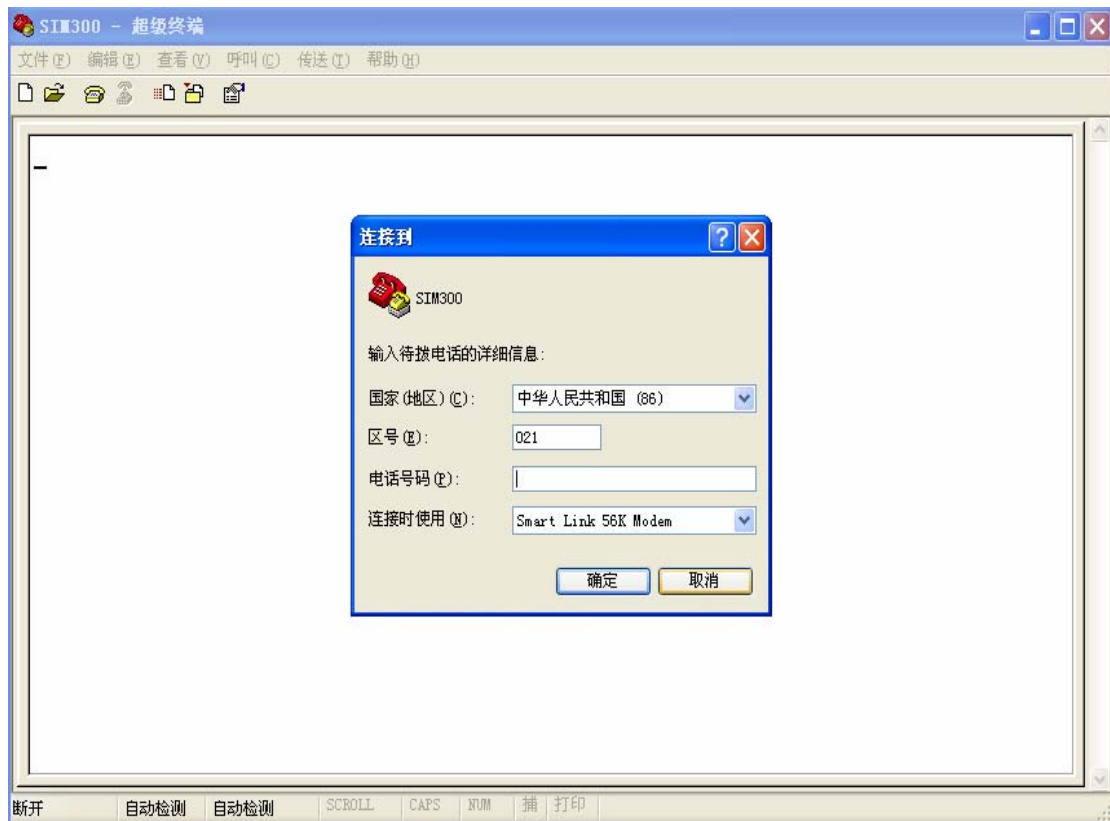
- 1) switching the S1 switch to **off** state, S2 switch to **ON** state;
- 2) Press the **PWRKEY** button for about 1 second, then the LED glint, and the module is tuning up successfully;

3.2 Setup the phone call

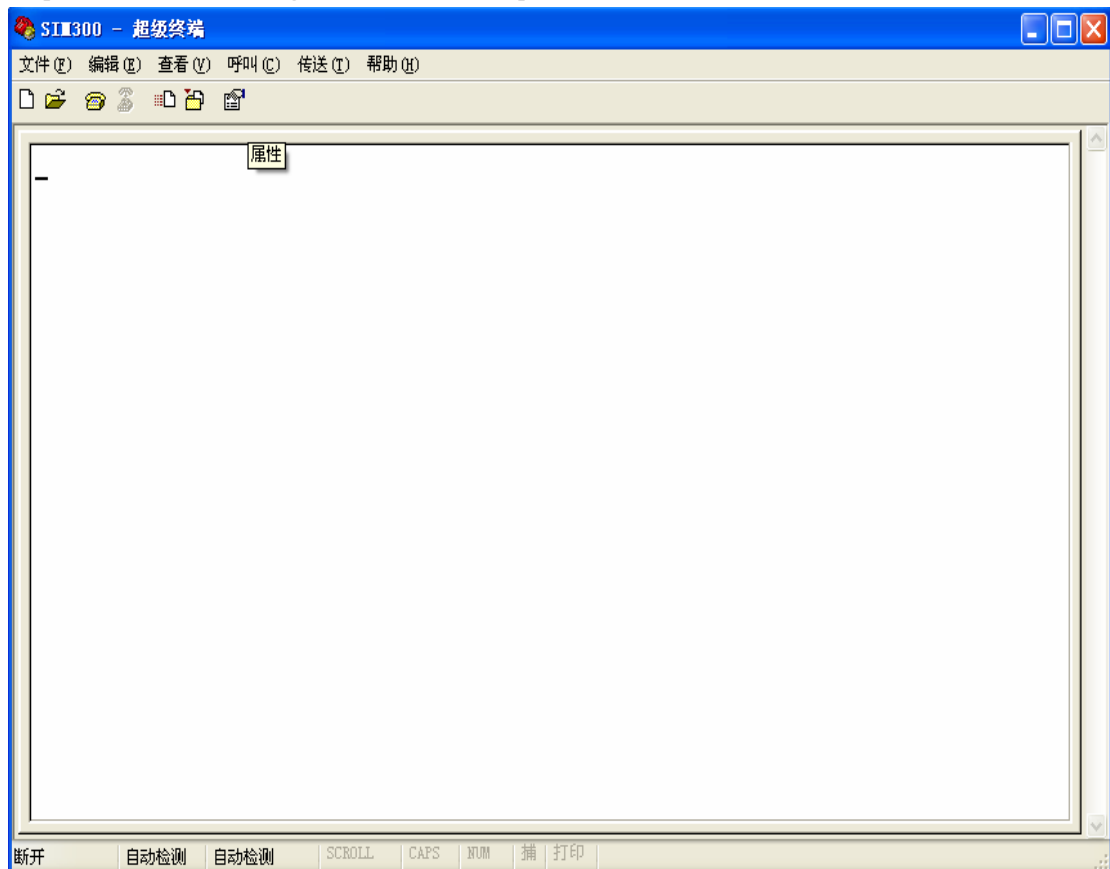
Please setup a HyperTerminal(AT command windows) step by step:

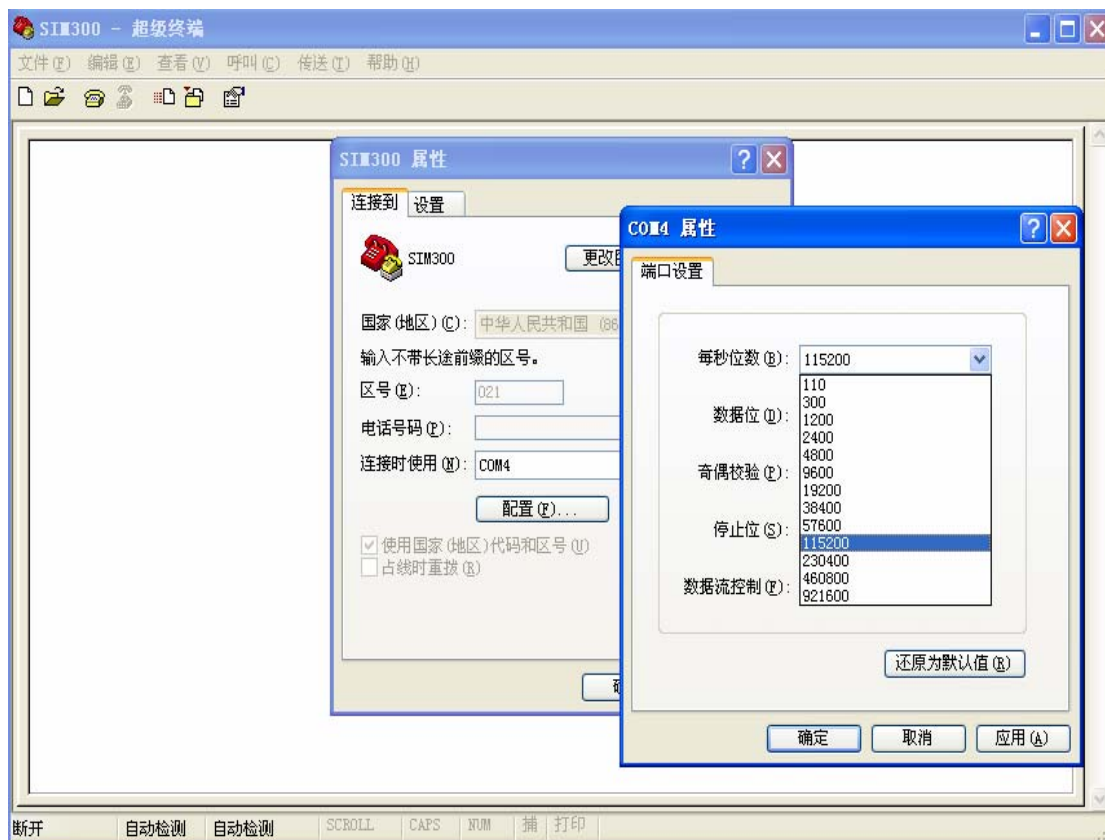
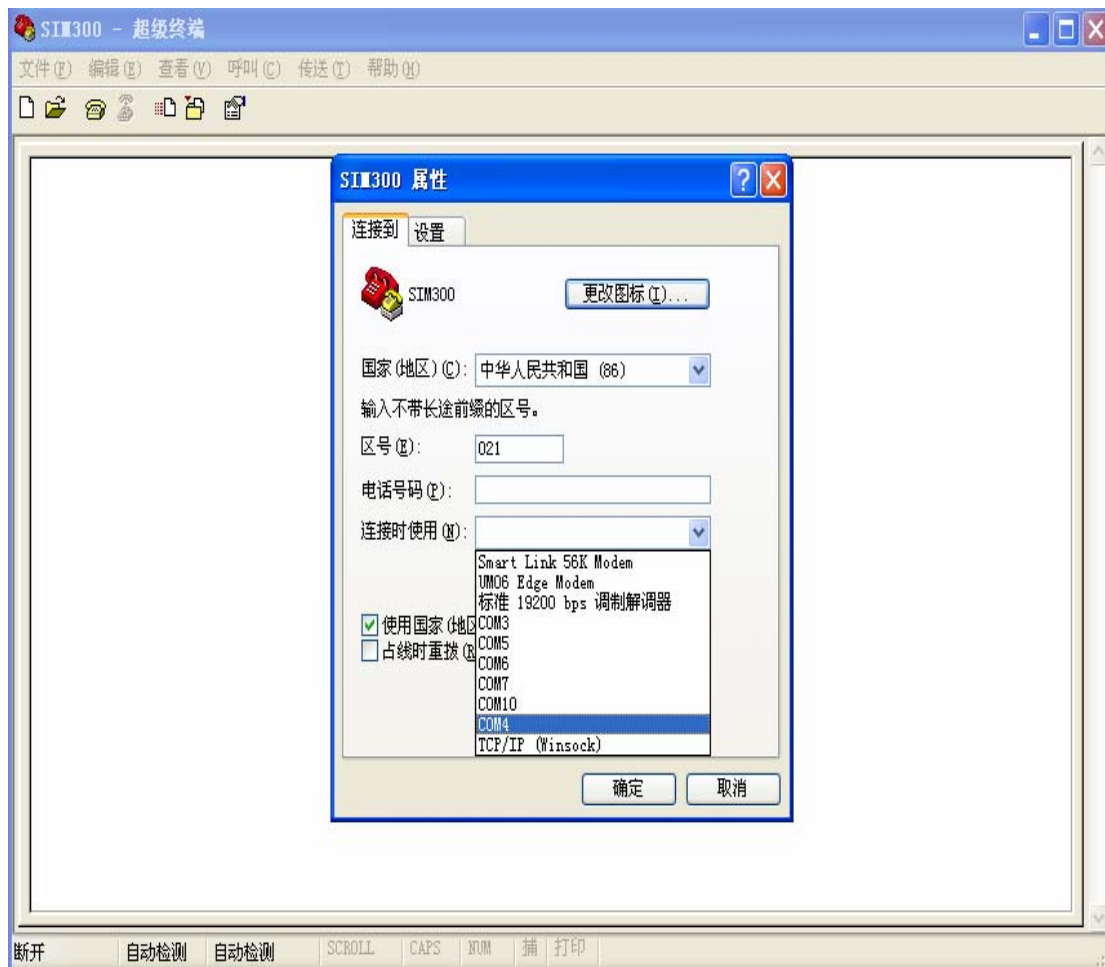
Step1, setup the HyperTerminal connect:

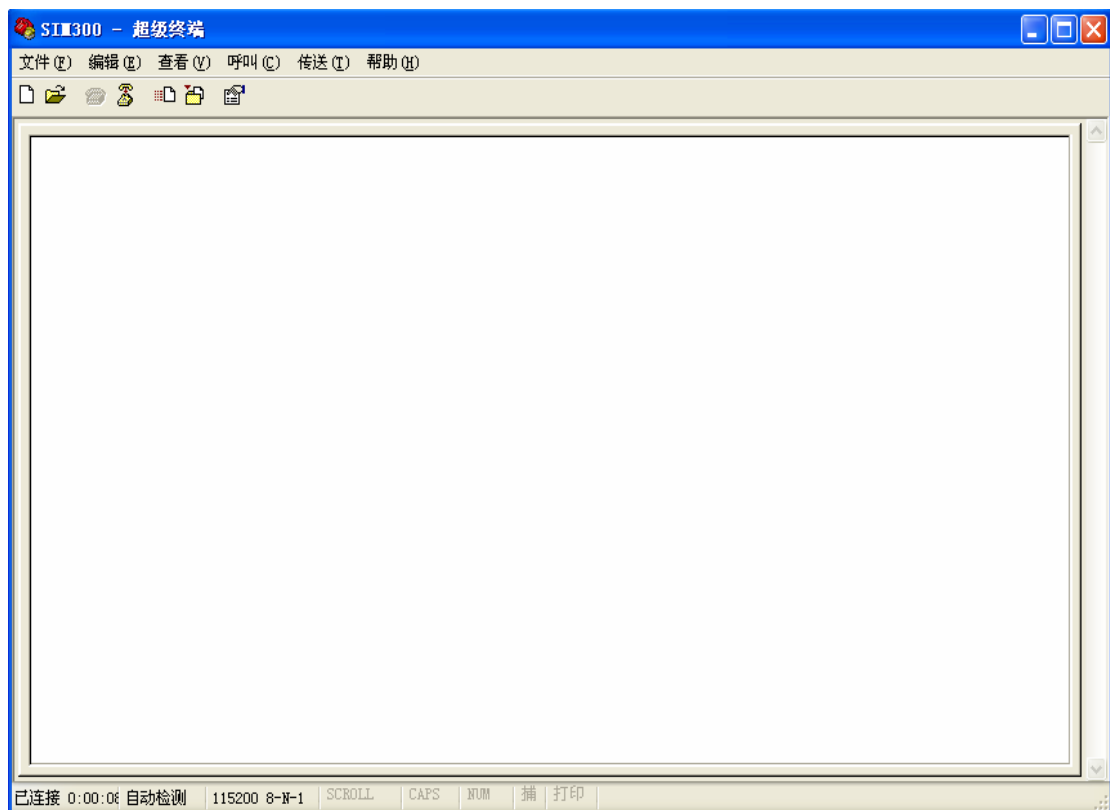
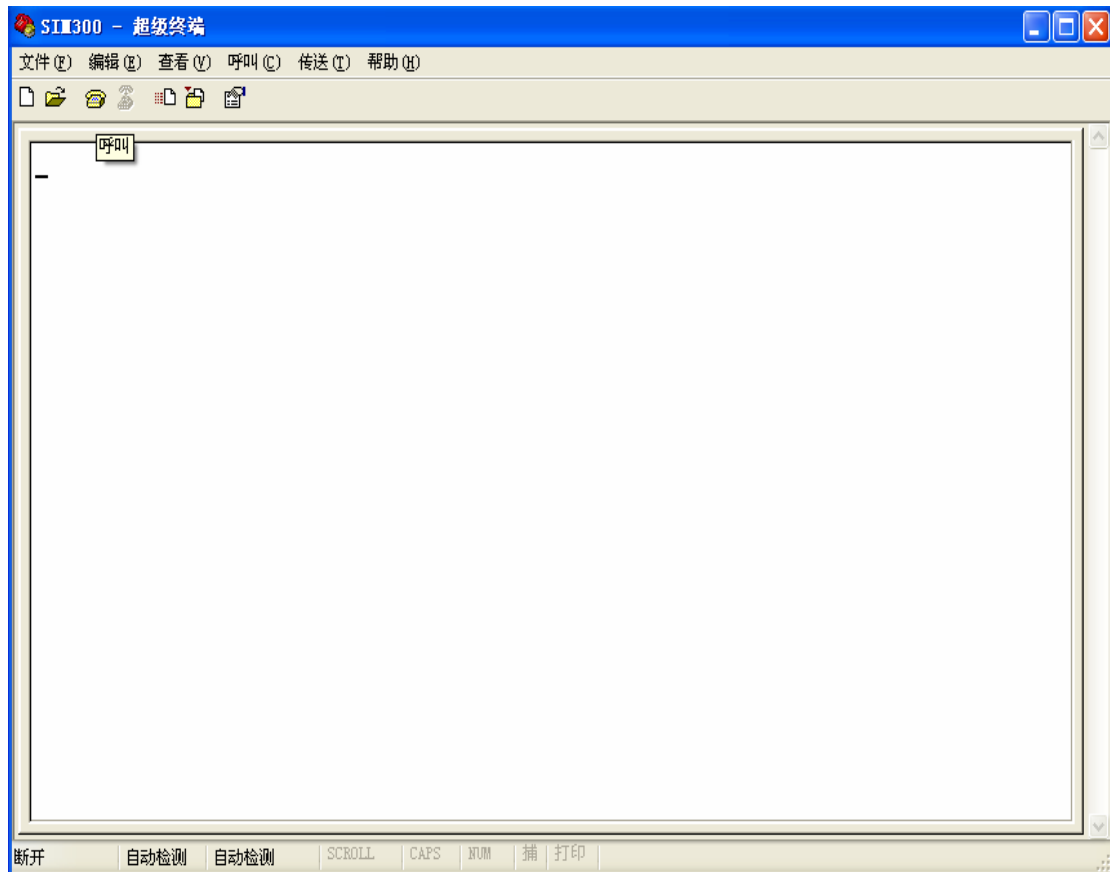




Step 2: Parameter setting (set the PC serial port and band rate)



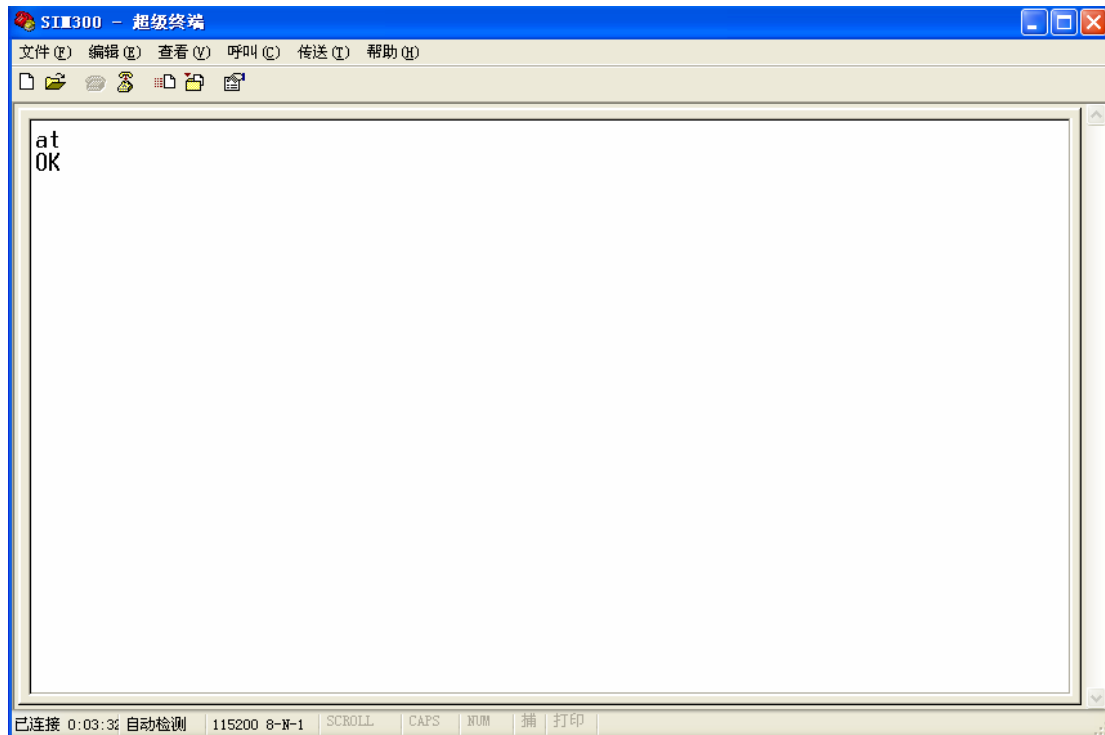




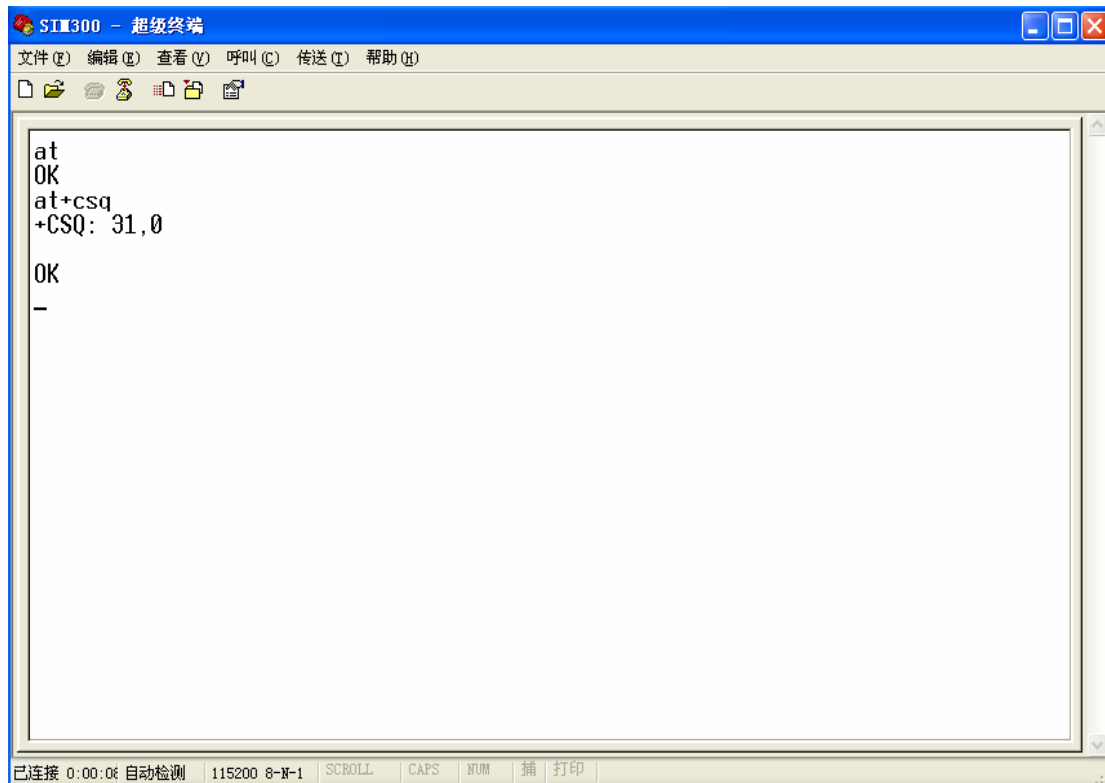
Step 3: power on the module and key in the AT command:

- 1) power on the module;
- 2) key in the “AT” and enter, if the “OK” is feedback, it indicates that the module connecting

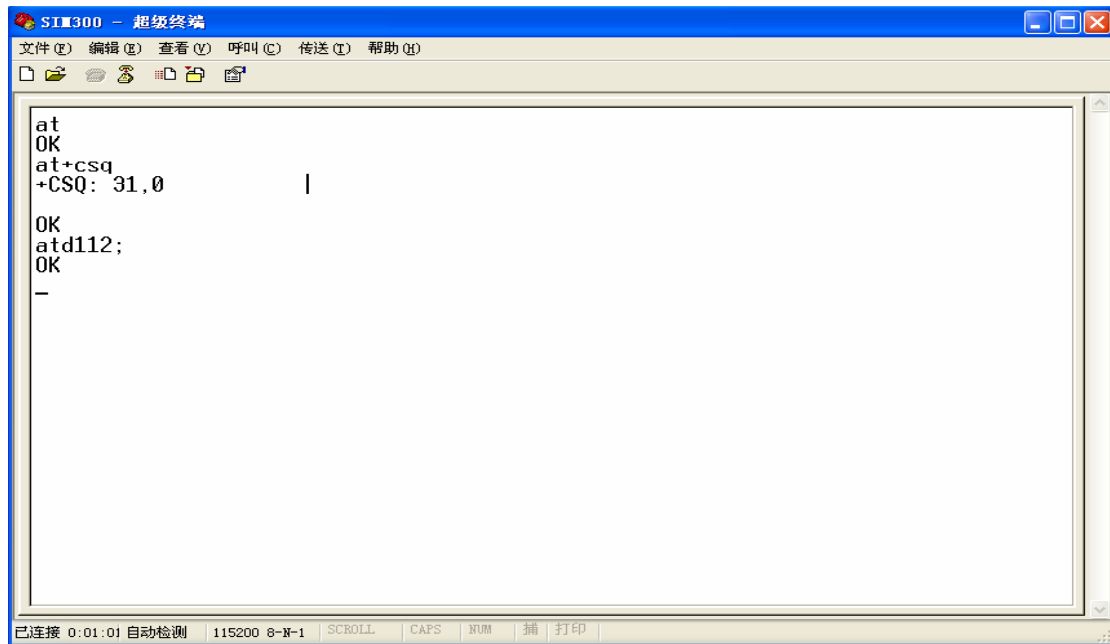
to the PC is successful;



- 3) Key in the “AT+CSQ” and enter, if the feedback is as below, it indicates that the module connecting to the NET is successful;



- 4) Key in the “ATD112; ” and enter to set a phone call, and key in “ATH” to hang up the call;



3.3 GPRS start-up

(Please see the GPRS start-up document)

4 AT command

(please see the AT command document)

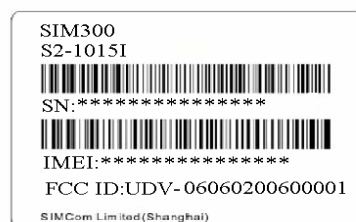
5 FCC Requirements

Please note:

- 1) The SIM300 must be designed for mobile or fixed operation only (Portable is not permitted and requires separate approval);
- 2) When the SIM300 is integrated into a final product, the FCC ID label must be visible through a window on the final device or it must be visible when an access panel, door or cover is easily removed. If not, a second label must be placed on the outside of the final device that contains the following text:

“Contains FCC ID: UDV-06060200600001”

SIM300 FCC label is shown as:



6 FCC RF exposure requirements

To allow compliance with the FCC RF exposure requirements, the SIM300's maximum output power is 33dBm in GSM900 band and 30dBm in DCS1800/PCS1900 band, and the maximum antenna gain is 3dBi and the minimum cable loss is 0.5dB. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.