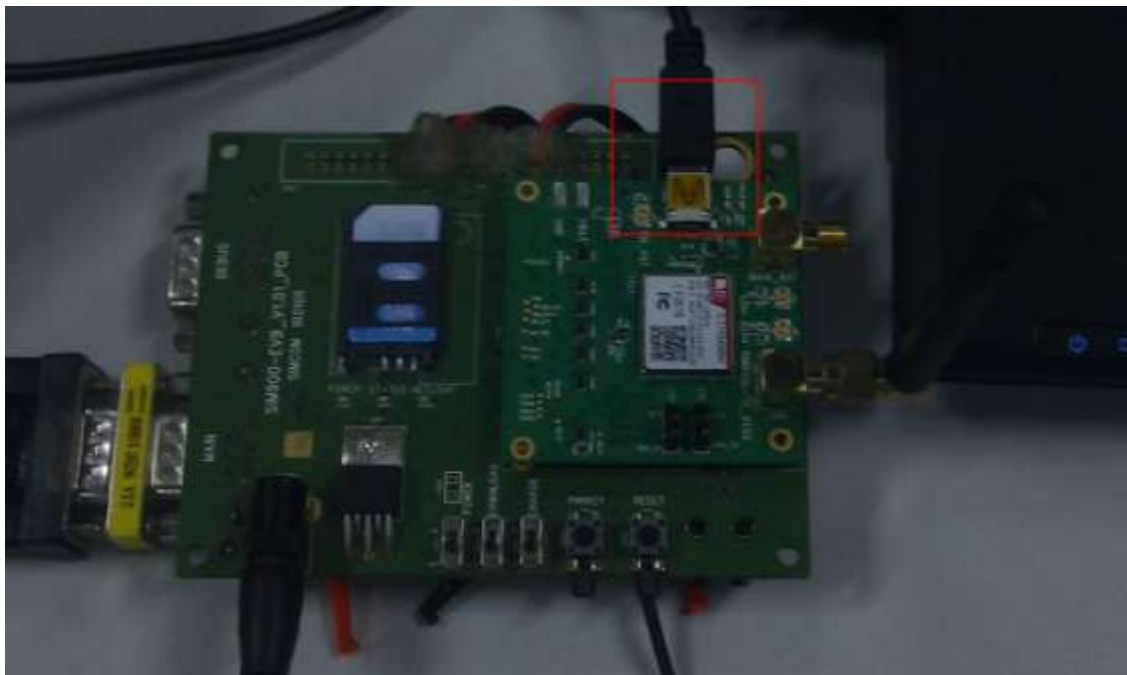# Catcher tool user guide

How to take catcher log

1. Before using the Catcher, we should connect the usb port to the PC correctly.
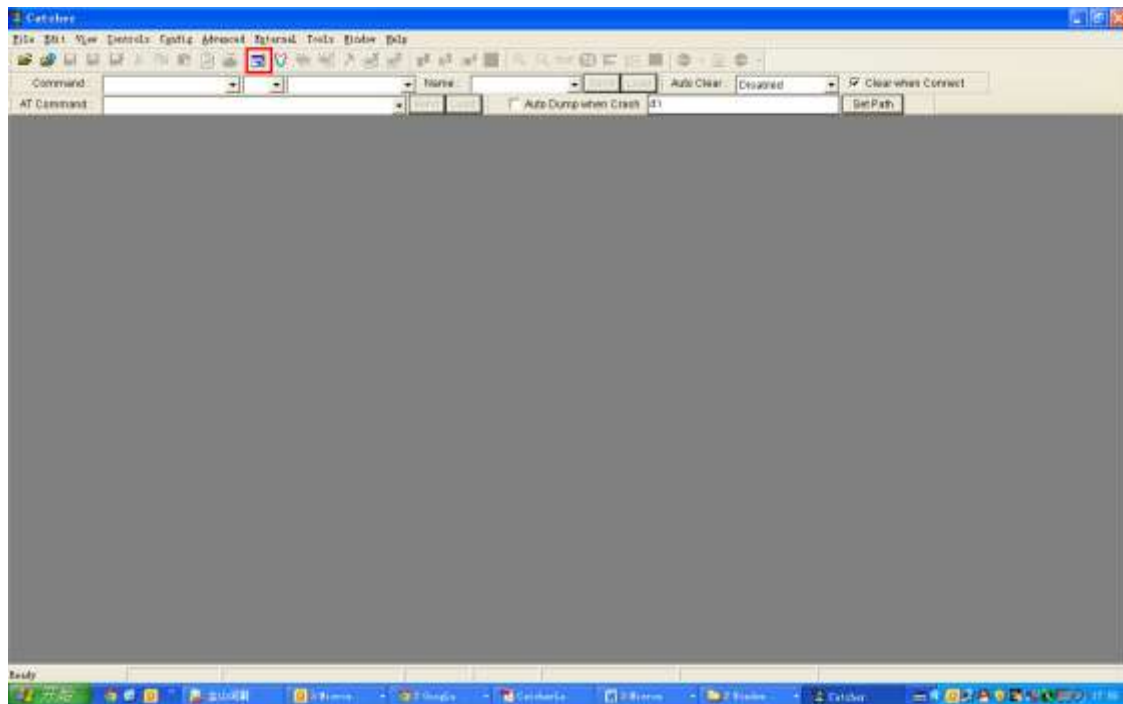

2. Setup the USB driver: MTK_USB_DRIVER.
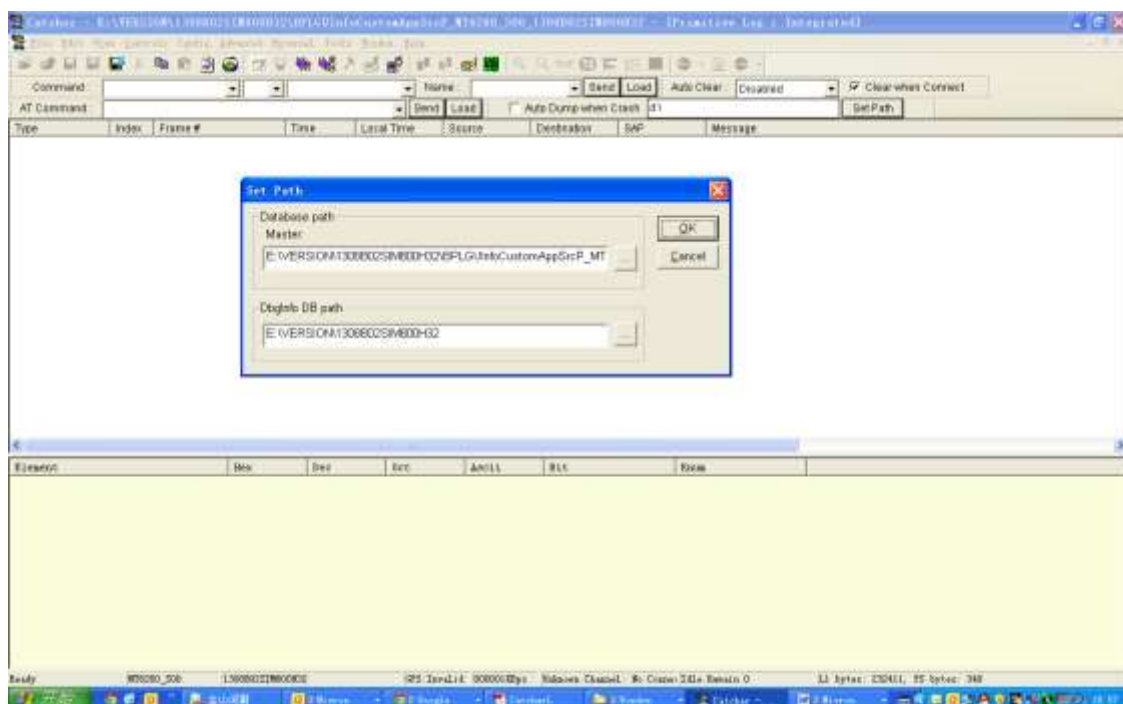

MTK_USB_DRIVER.rar
WinRAR 压缩文件
149 KB

3. click the file Catcher_exe_v3.1228.00.rar   to expand it. Start the tool "Catcher":

Catcher.exe
Catcher MFC Appl...
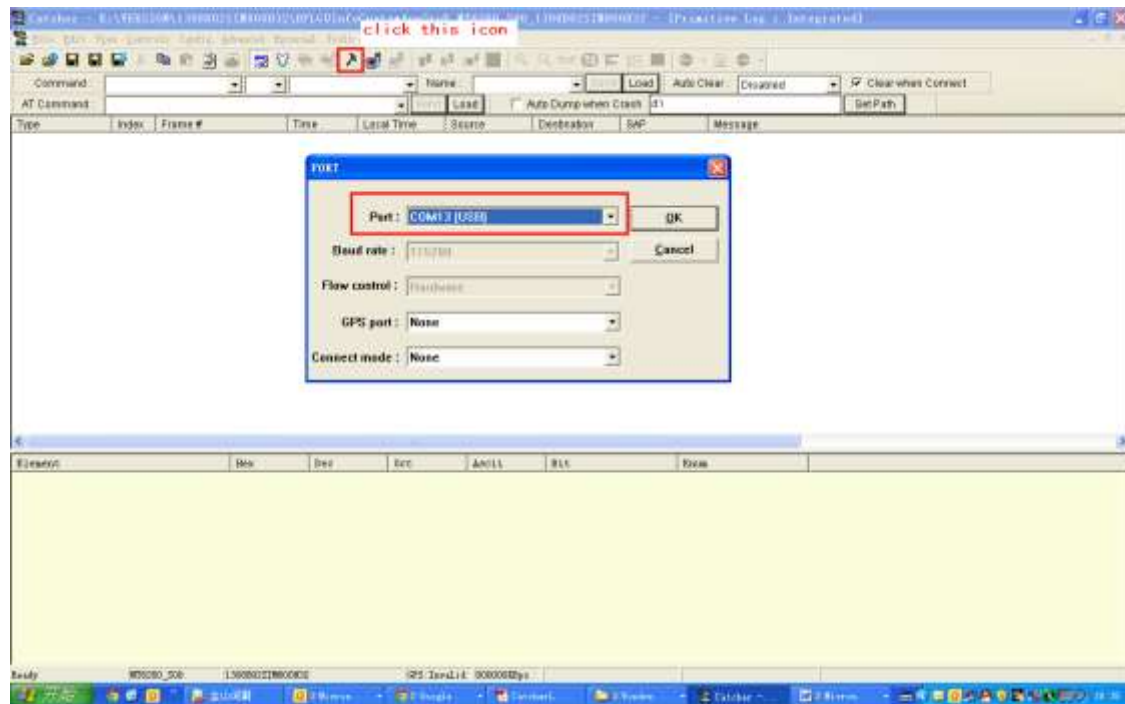MediaTek Inc.

We can see the interface as blow:

4. Click the icon "logging mode", then coming up with the interface to set database path as below figure, then set the database file
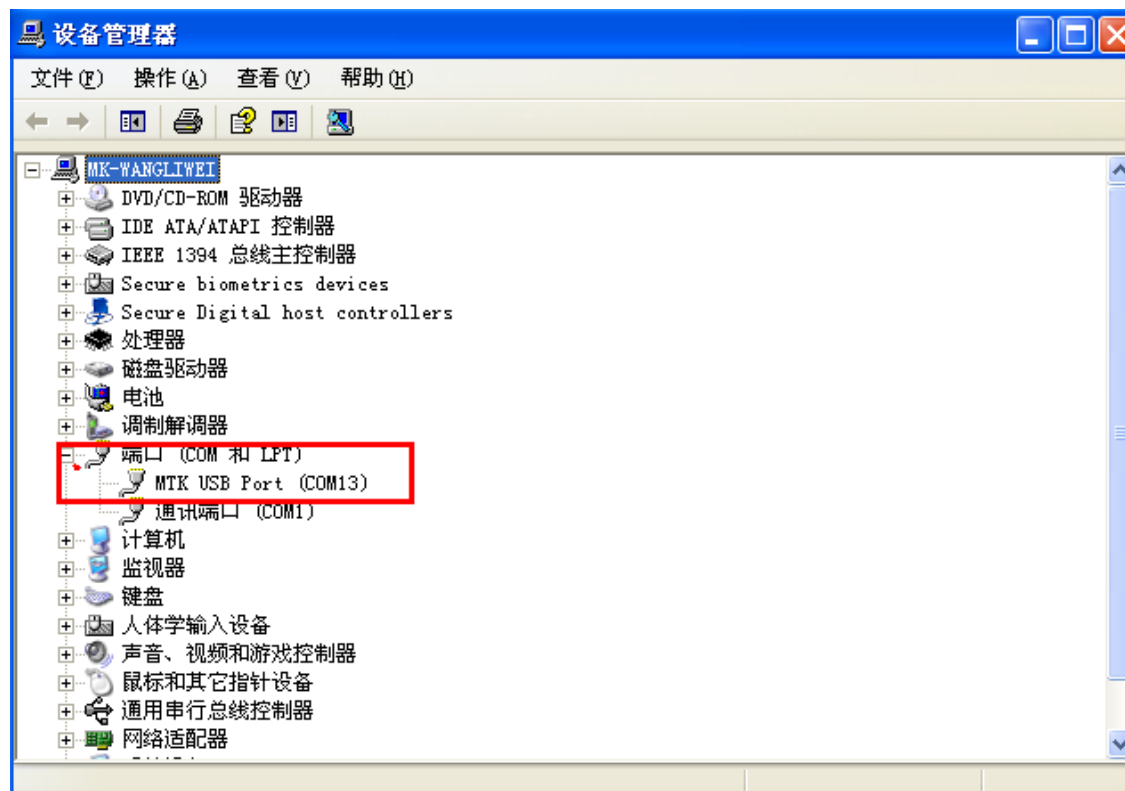

Note: in this example ,the Database file:
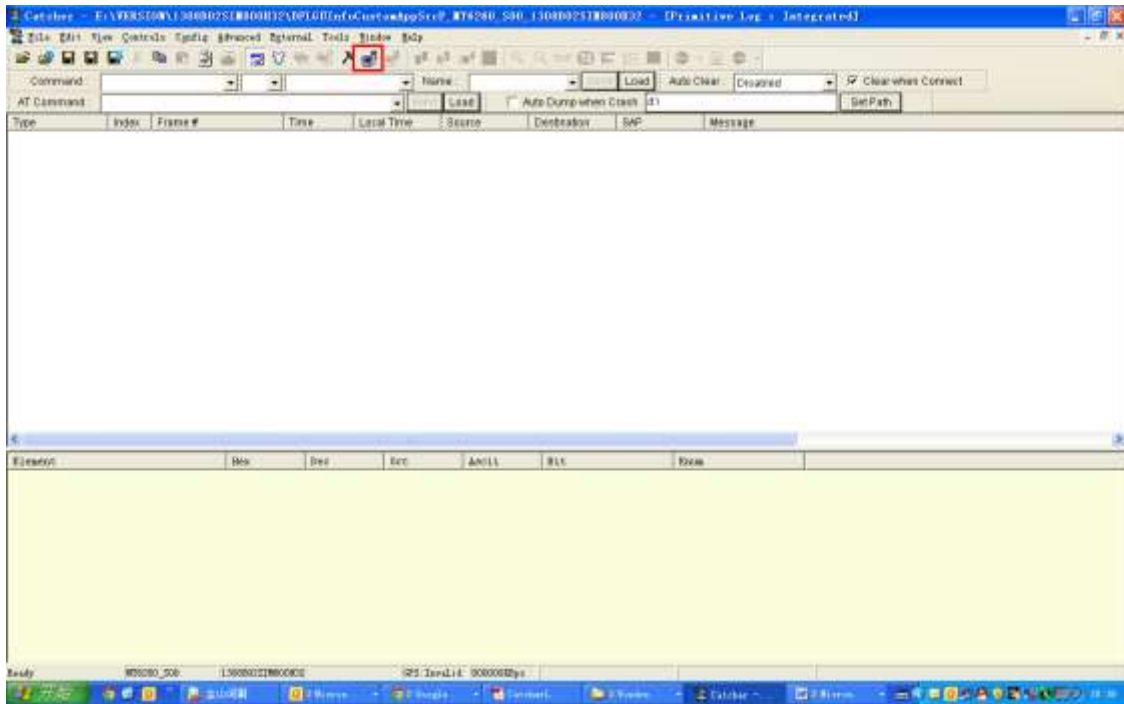(BPLGUInfoCustomAppSrcP_MT6260_S00_1308B02SIM800H32) is in the folder:
1308B02SIM800H32.

5. Click the icon , then set the port and baud rate.

Please note: the port should select according to your computer's "Task mange "(COM and LPT) as below: in this example, the port should select USB PORT COM13

6. click the icon "connect " as below

7. Click the icon [icon] "Filter", you will see the "Filter box " as below figure: please choose the options according to the requirement of trace. (For choosing which kind of filter file, need to confirm it with R&D guys)

After choosing the filter file, click "确定" (confirm), then the spying trace is started.
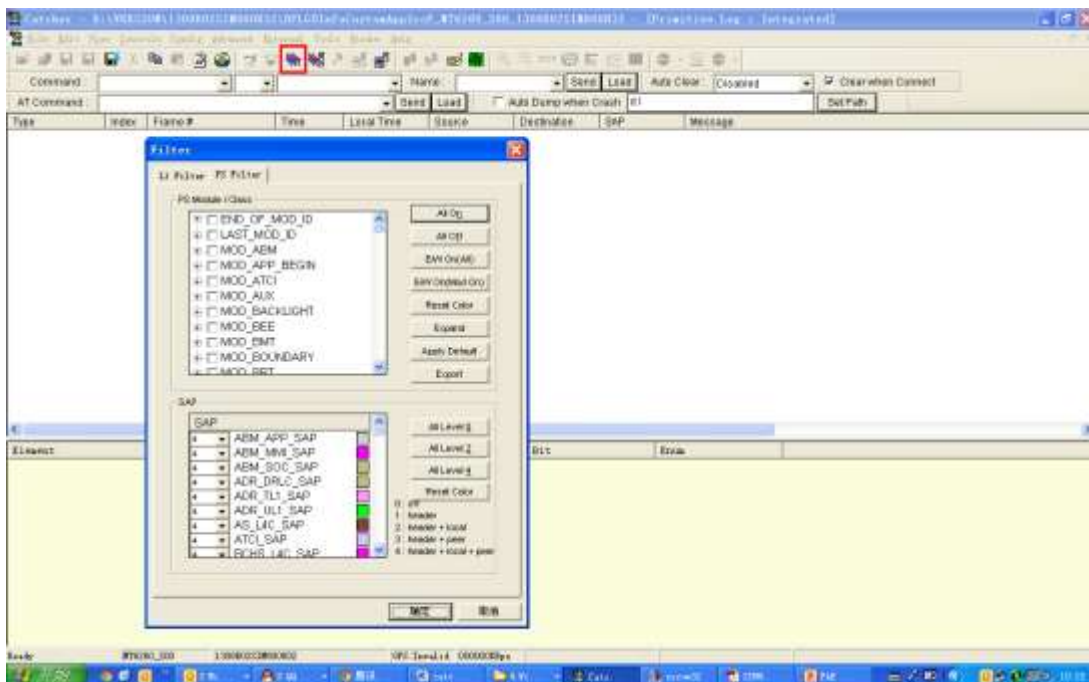
And another way to choose filter file is like this: click icon [icon] default filter, you could see the

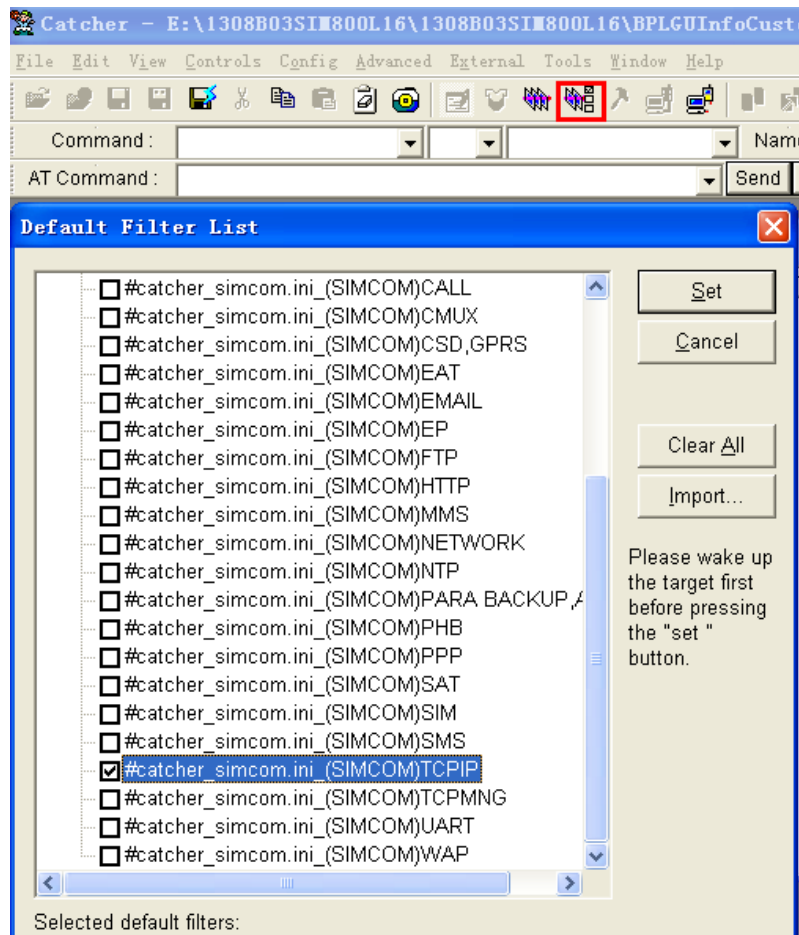filter box as below figure. Then click import to load the filter file customized for SIMCOM, which is named catcher_simcom.ini .   Then just choose the relative configurations for your spying trace. After choosing filter file, then click set, the spying trace would be started.

Note: SIMCom engineer will guide you which items should be chosen for different case.

8. Click the option "view" , select "view "---"PS Integrated" , then we will see the trace log as below.
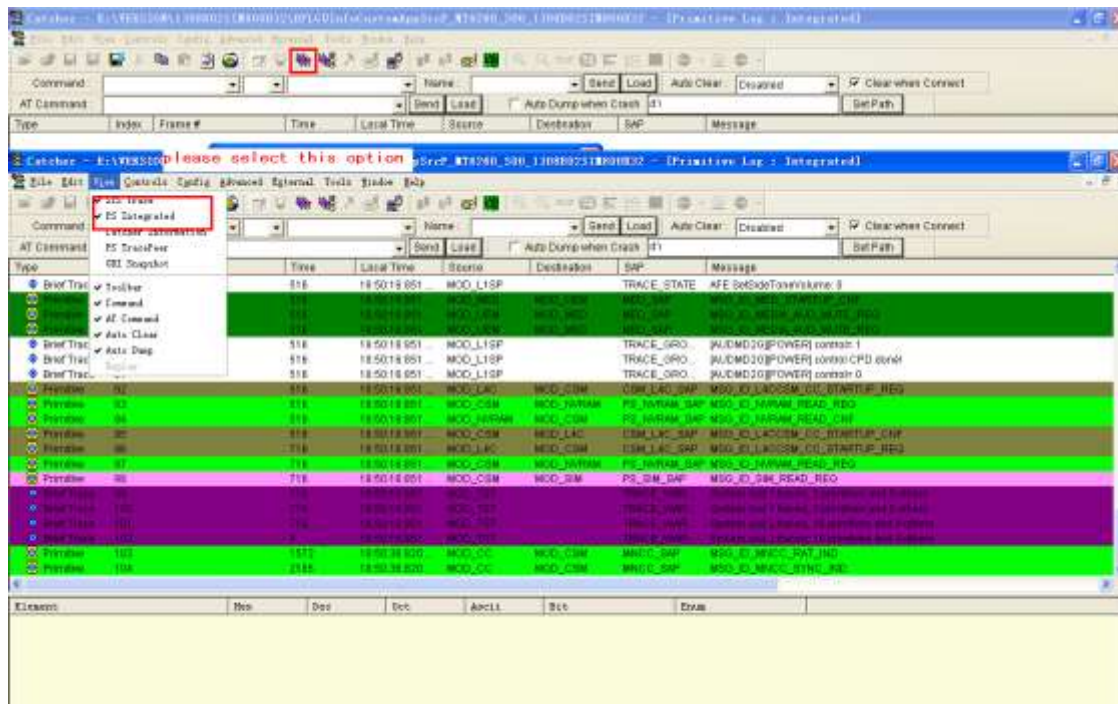
9. Then we can connect the module "MAIN PORT" to computer by series cable. Send the AT command to the module. When we do the test, the tool catcher will spy the trace at the meantime.

10. we should wait for more than 60 seconds after the problem appear, then click to disconnect. Then click File—save Log, save the trace log (.clg format)and send to us for analyzing .

How to take MemoryDump log

1) When module has restart issue, connect Catcher tool to module, once the problem occurred as following, module will stuck there.

```
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Disable Lga buffer end!
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Clean up UART channel start (port: (-9831))!
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Clean up UART channel end (port:DCL_UART
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Dump PS Buf start!
MOD_DRV_HISR    MOD_TST_...  DRIVER_PS_SAP   MSG_ID_UART_READY_TO_READ_IND
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Dump PS Buf end!
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Exit tst_dump_as_fatal_error()
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Enter ex_output_exc_msg()
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Exit ex_output_exc_msg()
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Enter Watchdog reset
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Exit Watchdog reset
MOD_SST_COMMON          TRACE_ERROR    [EXC][COMMON] Enter ex_output_log()
MOD_NIL                 TRACE_ERROR    Exception type: assert
MOD_NIL                 TRACE_ERROR    software version: 2_EAT_115200
MOD_NIL                 TRACE_ERROR    boot mode: normal mode
MOD_NIL                 TRACE_ERROR    rtc sec = 29, rtc min = 0, rtc hour = 0
MOD_NIL                 TRACE_ERROR    rtc day = 1, rtc mon = 1, rtc wday = 1, rtc year = 4
MOD_NIL                 TRACE_ERROR    execution unit: TR
MOD_NIL                 TRACE_ERROR    status: 0x00000000
MOD_NIL                 TRACE_ERROR    stack pointer: 0xF006CD38
MOD_NIL                 TRACE_ERROR    stack dump:
MOD_NIL                 TRACE_ERROR        0x10046FB0
MOD_NIL                 TRACE_ERROR        0x1001D47C
MOD_NIL                 TRACE_ERROR        0x1001A3DC
MOD_NIL                 TRACE_ERROR        0x102A66E8
MOD_NIL                 TRACE_ERROR        0x10016470
MOD_NIL                 TRACE_ERROR        0x100458E4
MOD_NIL                 TRACE_ERROR        0x00000000
MOD_NIL                 TRACE_ERROR        0x00000000
MOD_NIL                 TRACE_ERROR        0x00000000
MOD_NIL                 TRACE_ERROR        0x00000000
```
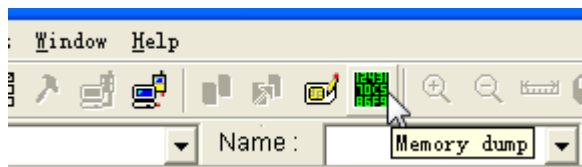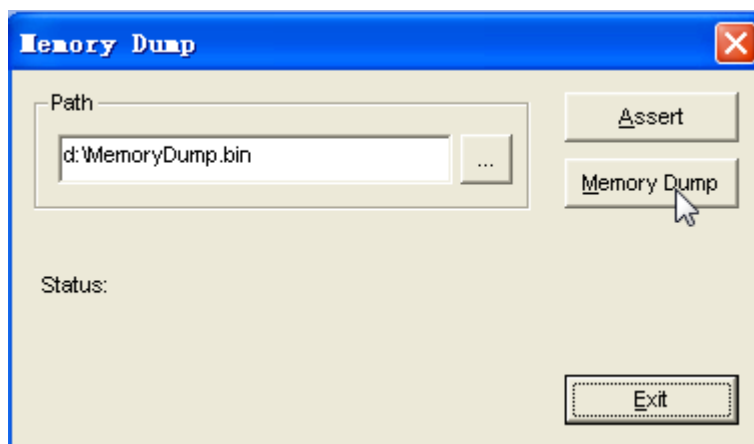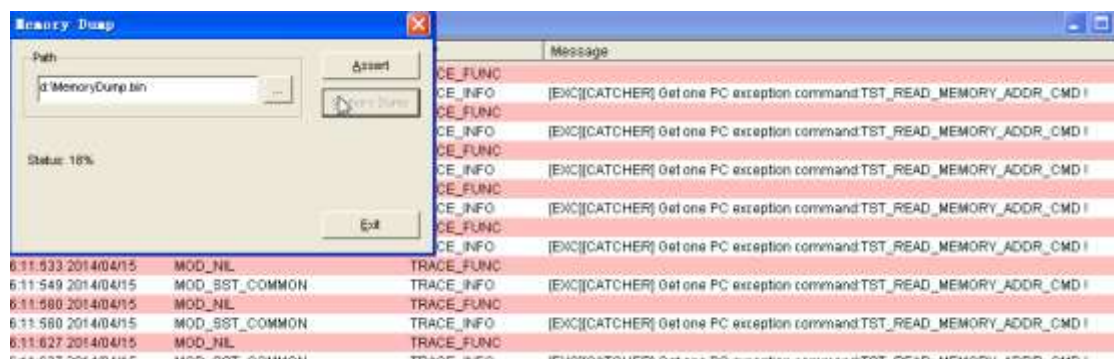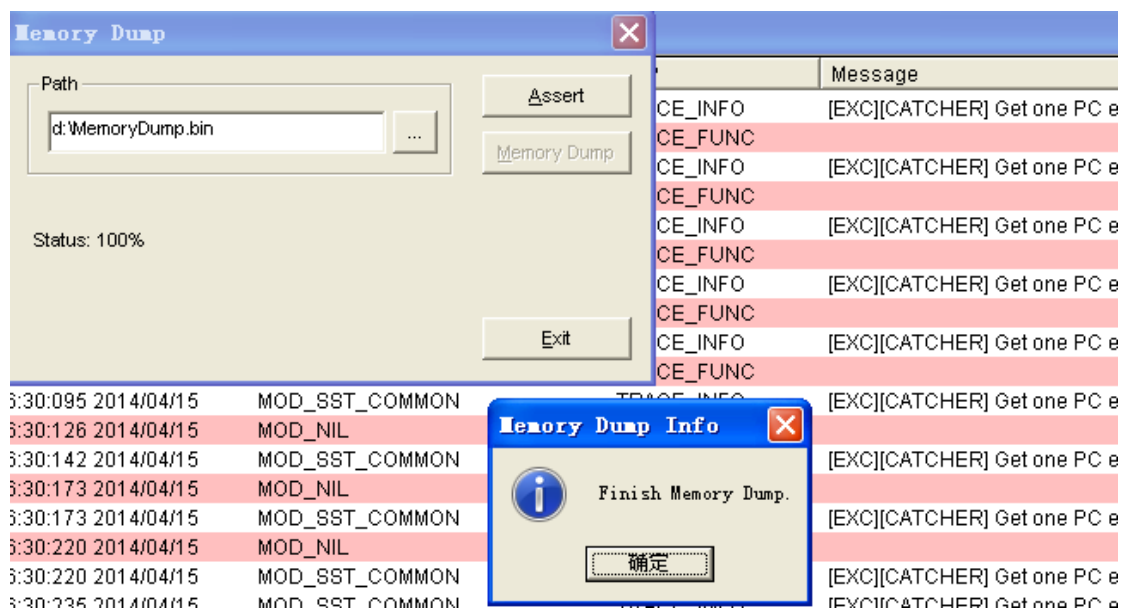
2) Click "Memory dump" button as following.

3) Give path available when a pop-up window shown, otherwise you will get "can't open the file"
    warning once pressed "Memory Dump" button to move.

4) Then tool will read the abnormal info from module out as following.

5) Abnormal info uploaded completely with following indication.

6) Send MemoryDump.bin as well as .clg log to SIMCom for further analysis. It's better to show relative core version and build time which could be read by following interface.

Core version: AT+GSV or eat_get_version()
Build time: AT+CBUILDTIME or eat_get_buildtime()

End
2014-12-4