[Westlake]
SOP of Image Download

BU15-SW Div

2012/2/3

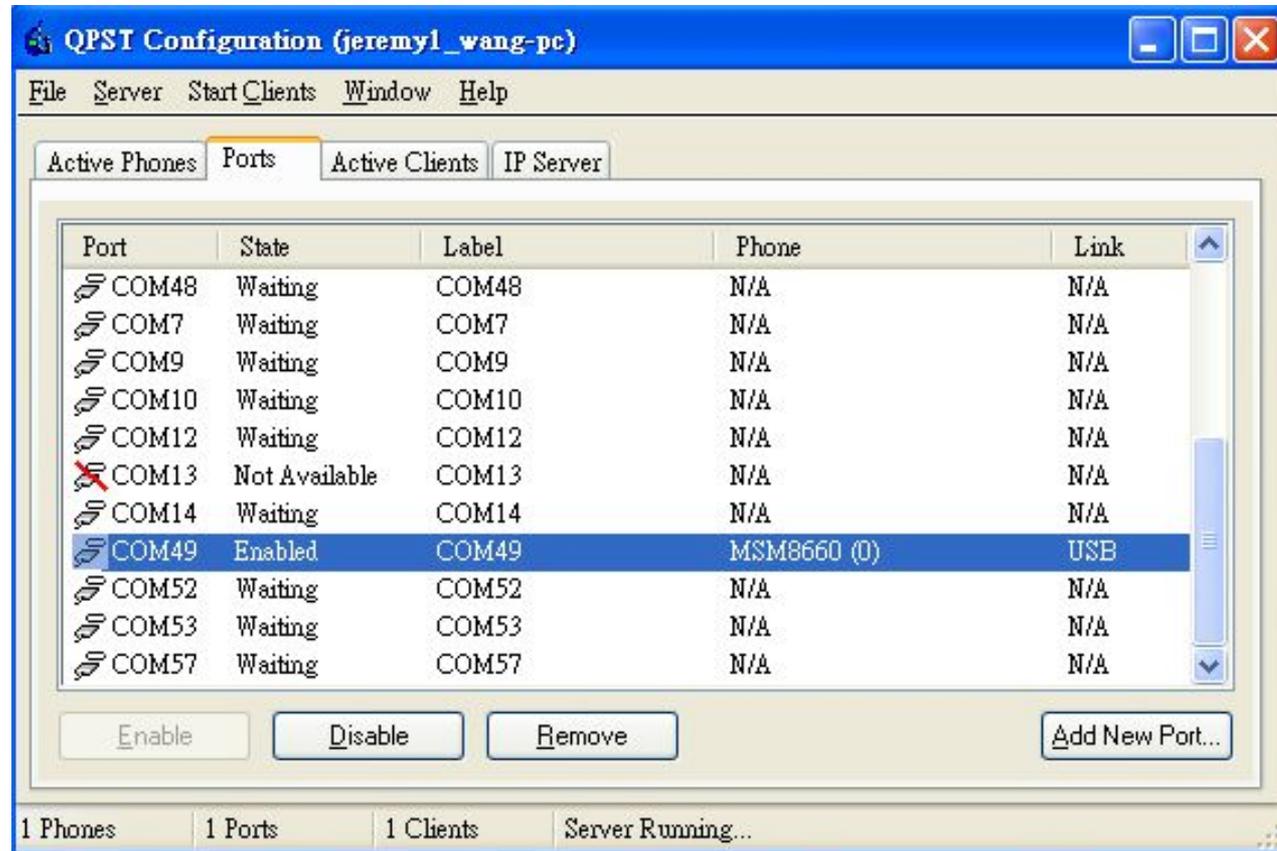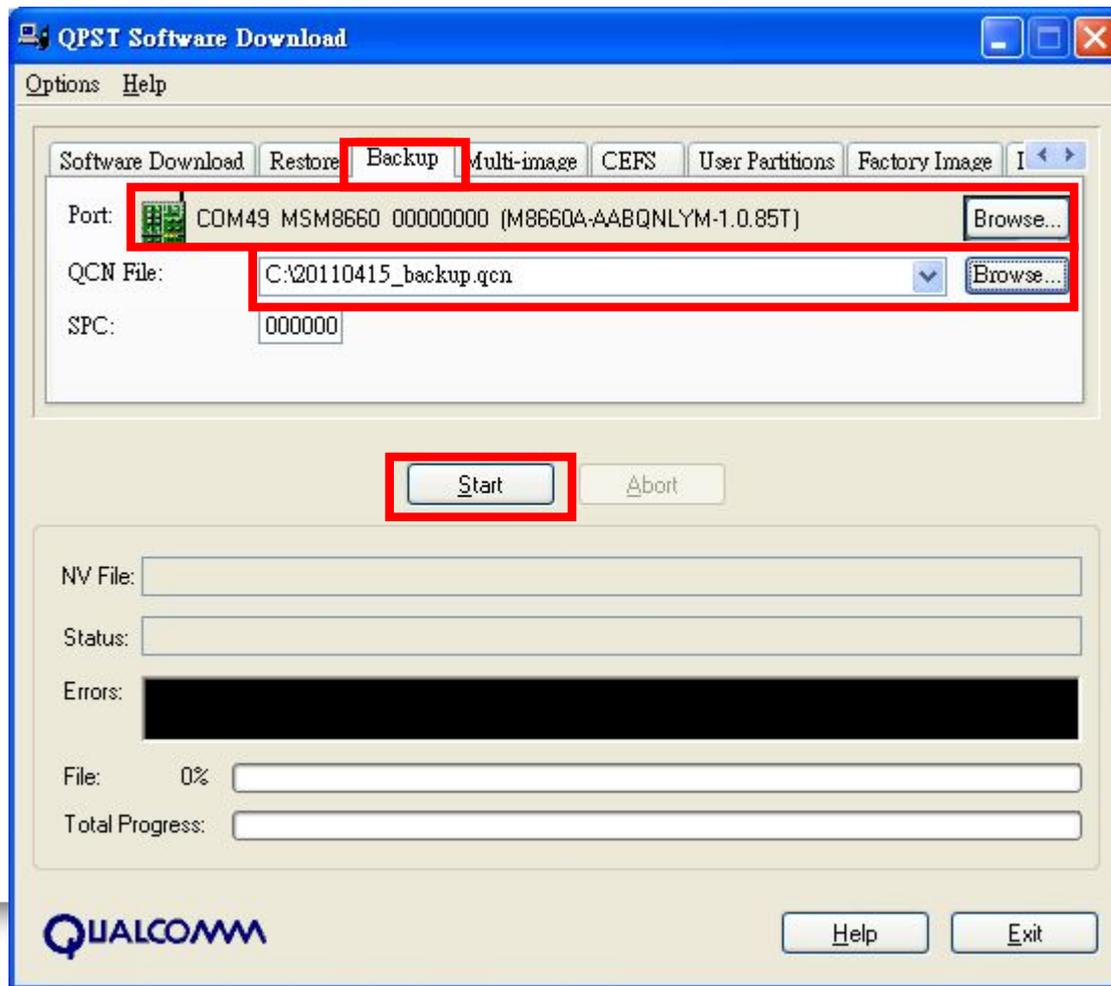# QCN and system data backup

PEGATRON

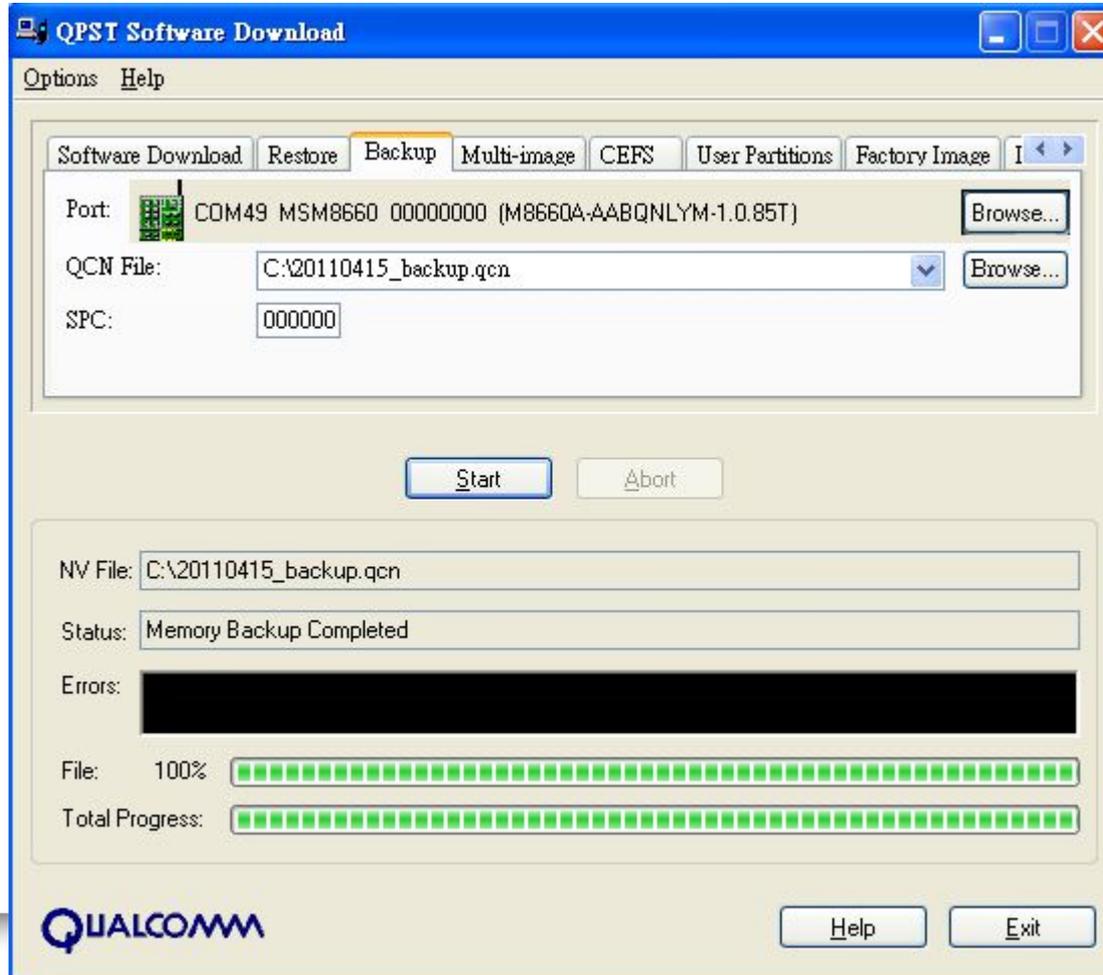# QPST CONFIGURATION

- Check com port setting is as following:

QPST Backup 1.

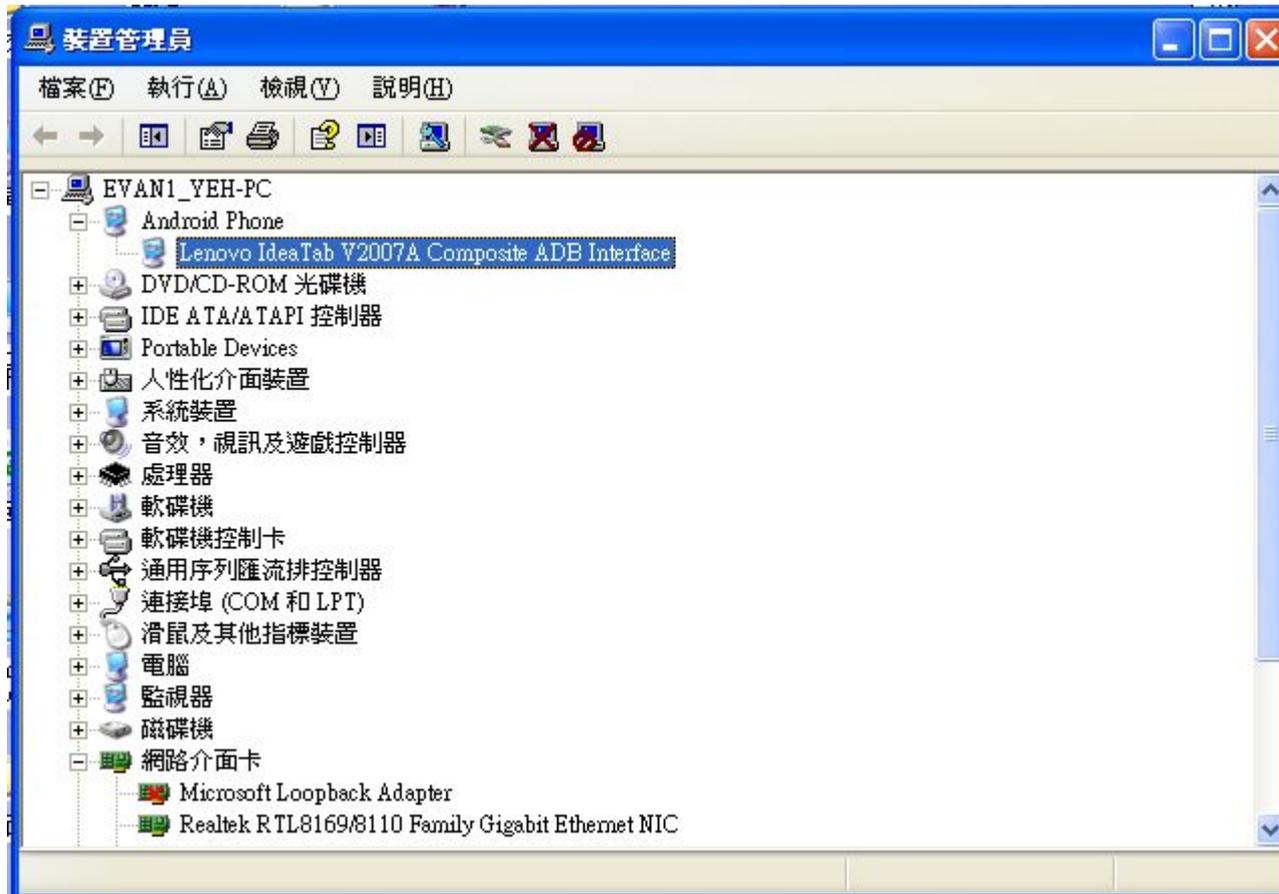- Check com port setting is as following, and where the location you want to backup.

QPST Backup 2.

- Backup finised.

System Data Backup 1.

•Check com port for ADB is available:

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System Data Backup 2.

Use adb command to backup System Data, the command line is as bellow:

adb pull persist/bt_nv.bin

Image download

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Step 0

- Install QPST version v2.7 build 378
  - \\ptw-dp-02\BinFiles\Westlake\Tools\QPST2.7.378.zip
  - Install USB driver for download mode
- Before download image by QPST, please execute backup QCN
- Prepare related images and hexs
  - Modem part
  - Application part
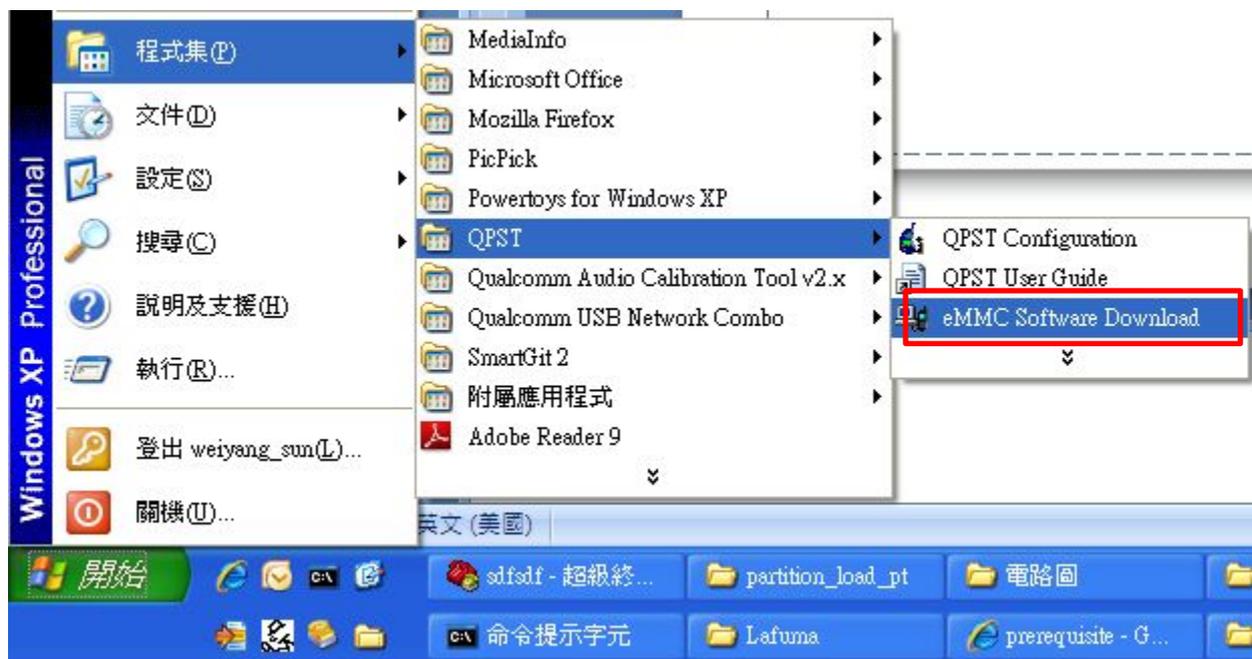- The modem and application parts are in the same folder:

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Step1

- Press start -> execute
- Type cmd
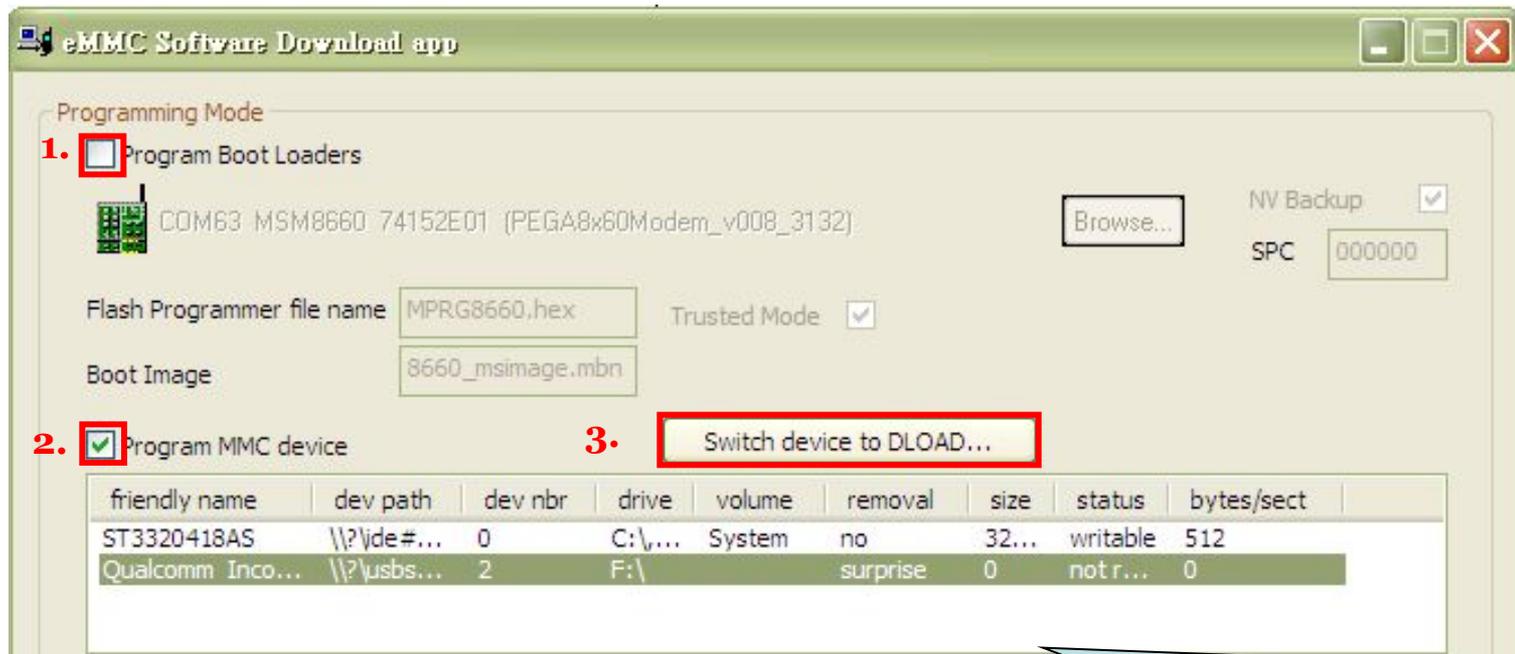- Type adb shell "echo c > /proc/sysrq-trigger"

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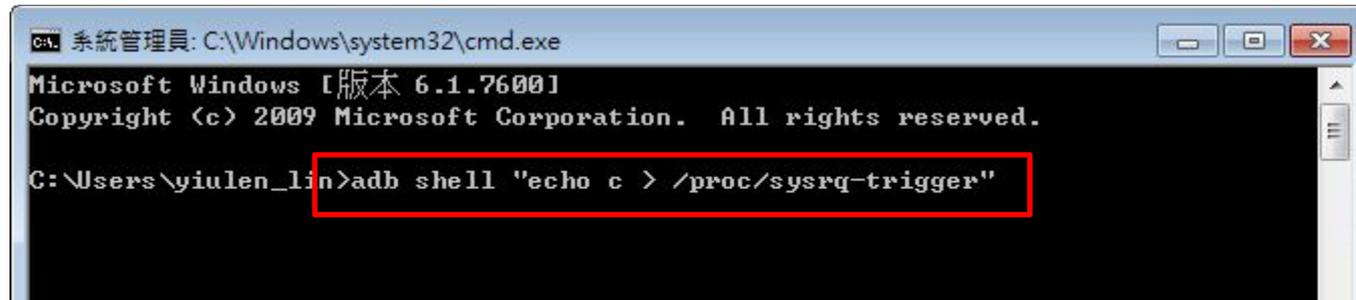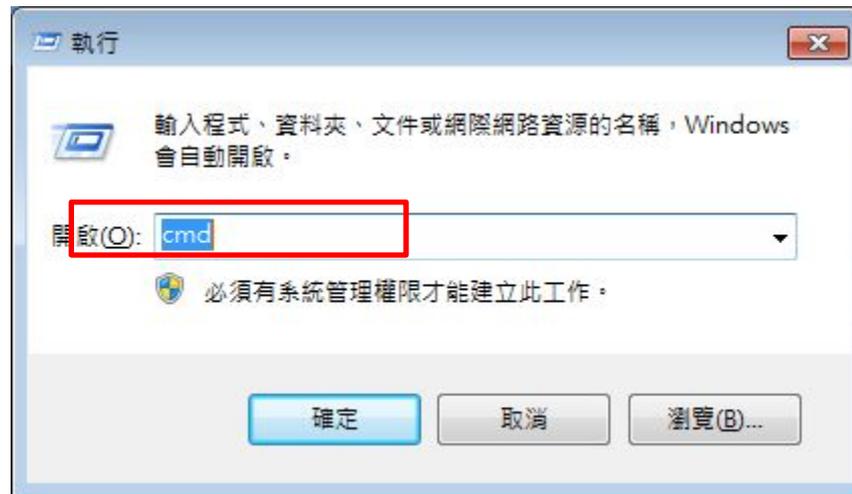
Step 2

- Execute eMMC Software Download

Step 3

- 1. Do not click "Program Boot Loaders" button.
- 2. Click "Program MMC device" button.
- 3. Make sure modem is in download mode or not, or you can click "Switch device to DLOAD…" button to force modem enter download mode.
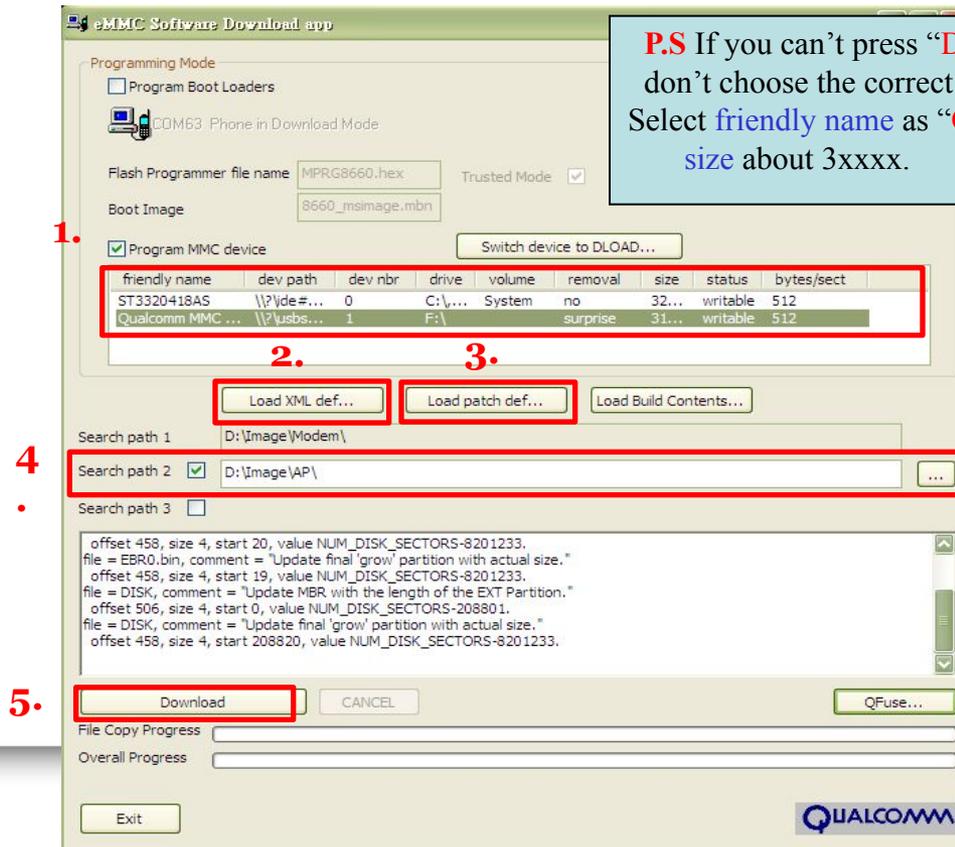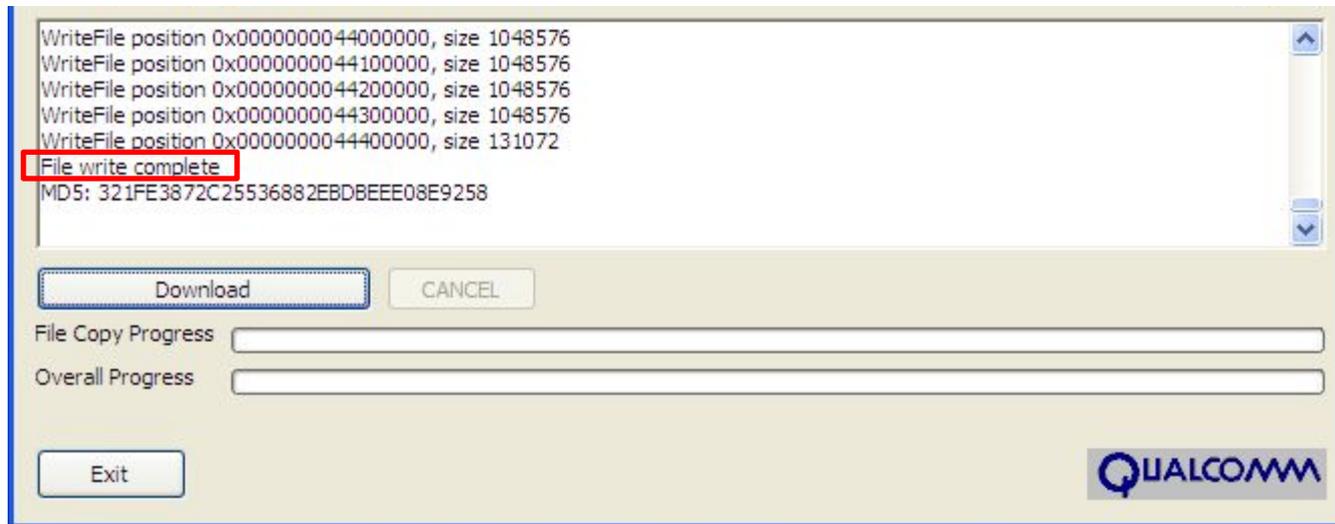
Step 4

- **1.** Select friendly name as "Qualcomm MMC …"
- **2.** Click "Load XML def…" button to select sparse-rawprogram0.xml from modem image
- **3.** Click "Load patch def…" button to select patch0.xml from modem image
- **4.** Click "Search path 2" and select to AP image folder.
- **5.** Finally, Click "Download" button.

P.S If you can't press "Download" button, you must don't choose the correct MMC device. Then check ☐ Select friendly name as "Qualcomm MMC …" or size about 3xxxx.

Step 5

- After about 1 min, you should see the message "File write complete".
- Reboot target manually since QPST won't do that.
- After download image by QPST, please execute restore QCN

Reboot system

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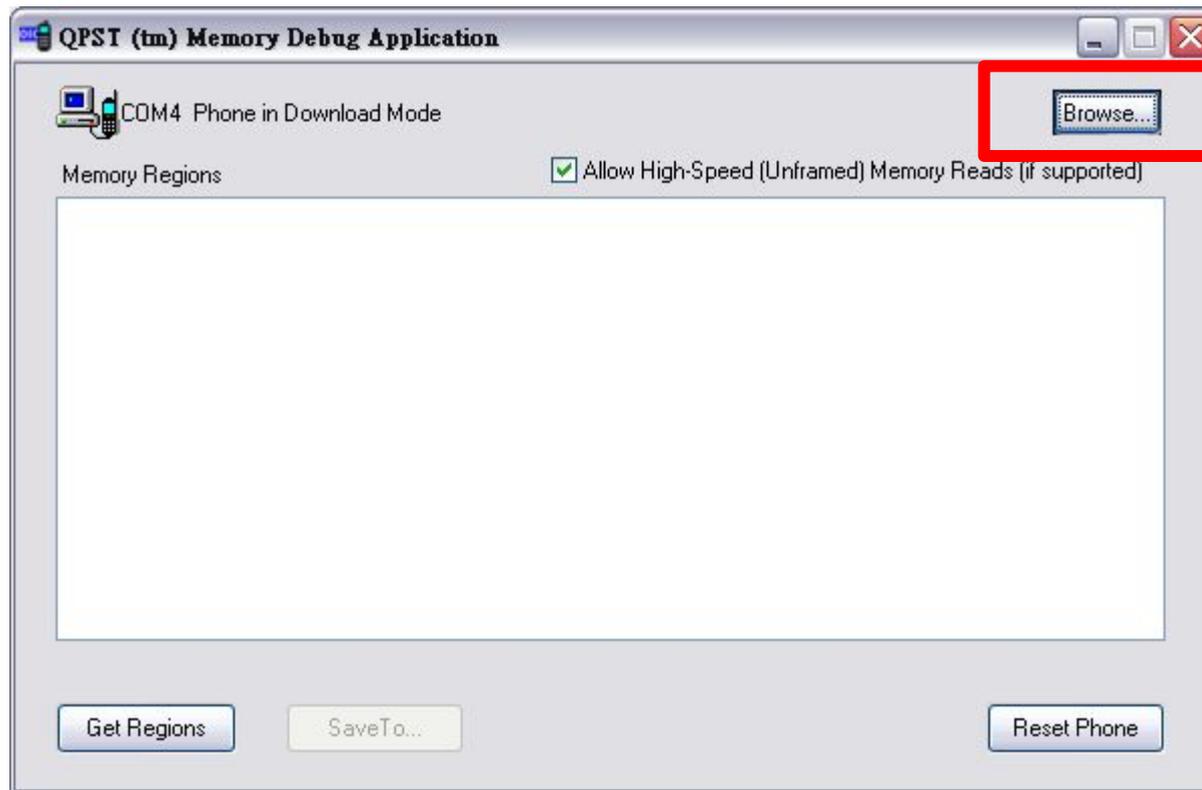
Step 1

- Open Memory Debug App
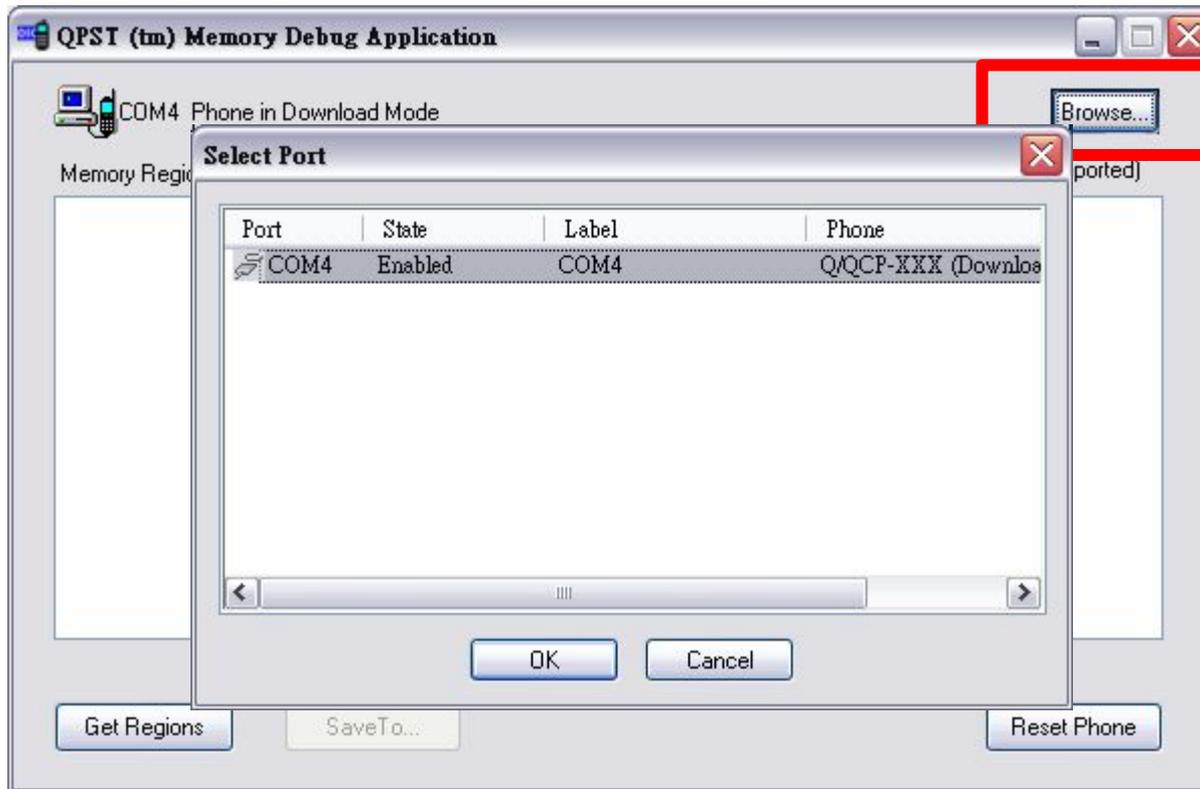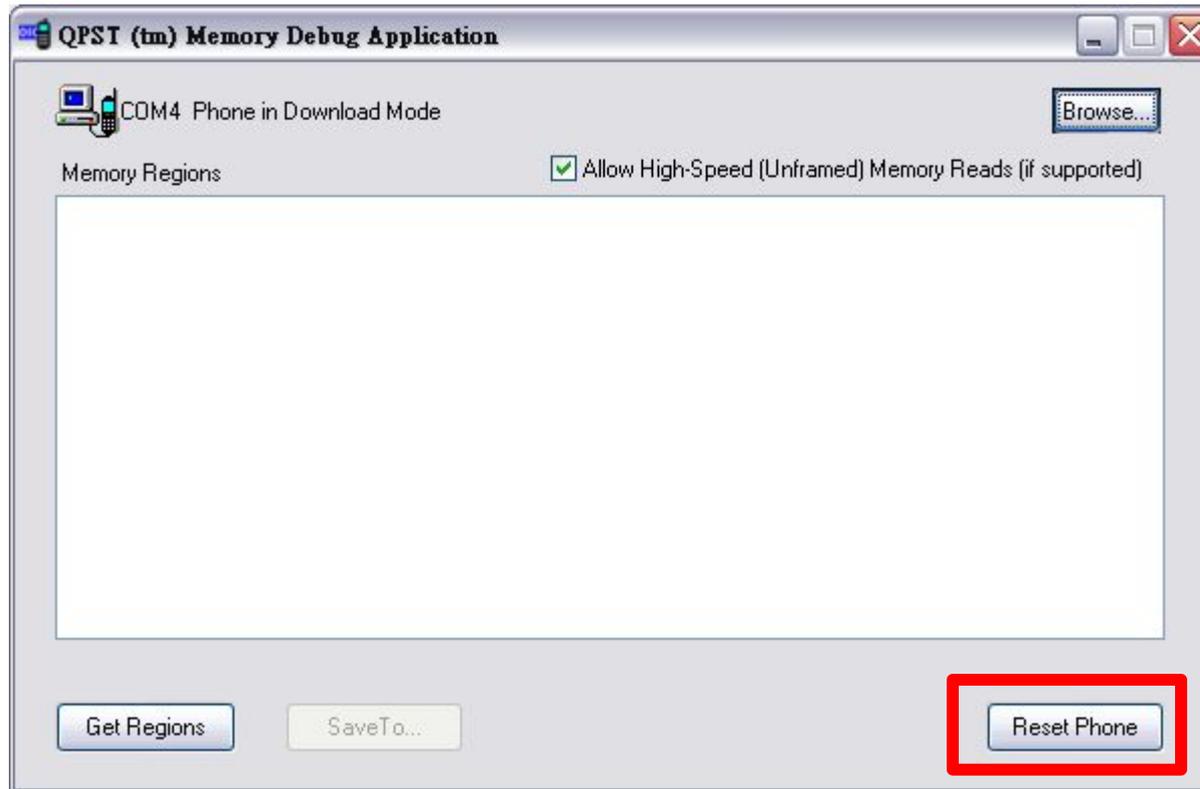
Step 2

- Click Browse…

Step 3

- Choose the COM port that named Q/QCP-XXX (Download mode)
- Click OK

Step 4

- Click Reset Phone

QCN and system data restore

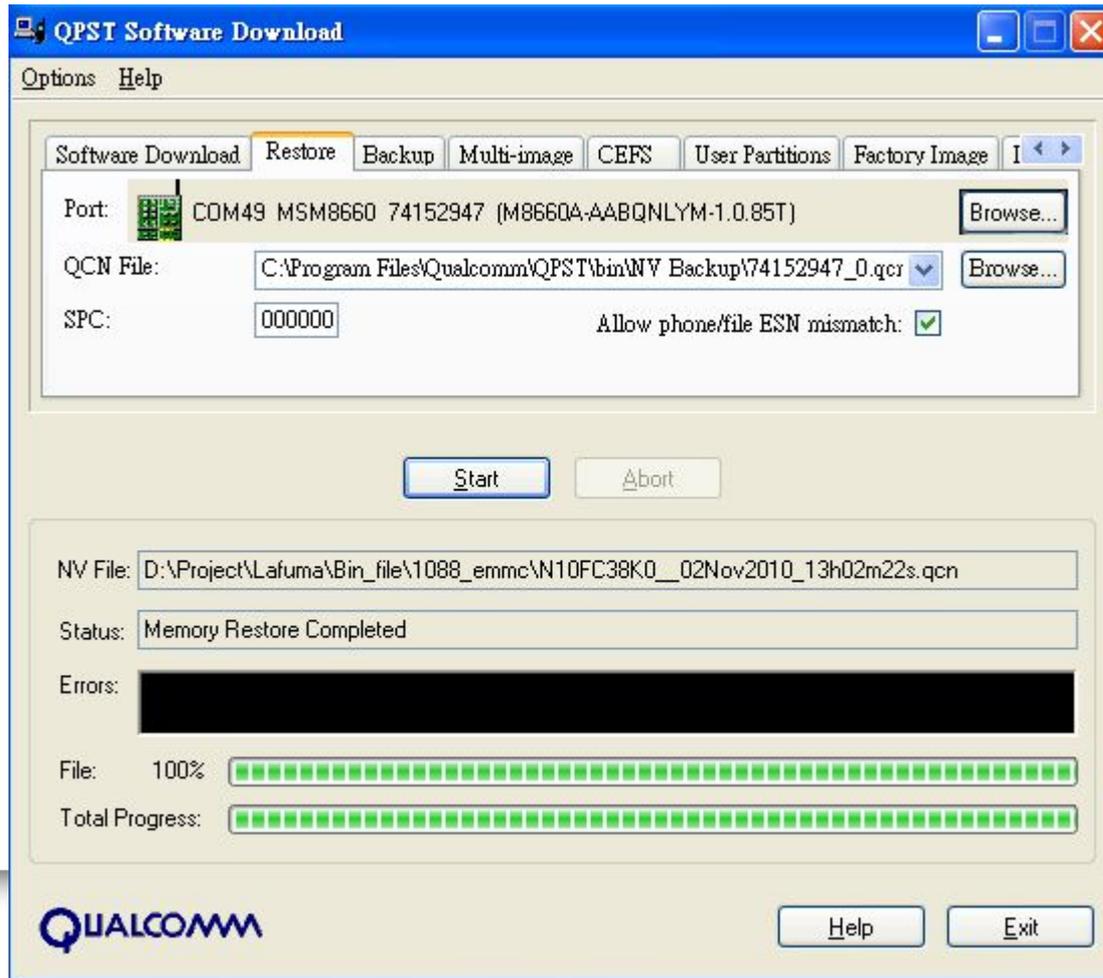**PEGATRON**

QCN Restore 0.

QCN Restore 1.

- Choose restor tab, correspond Port and QCN file
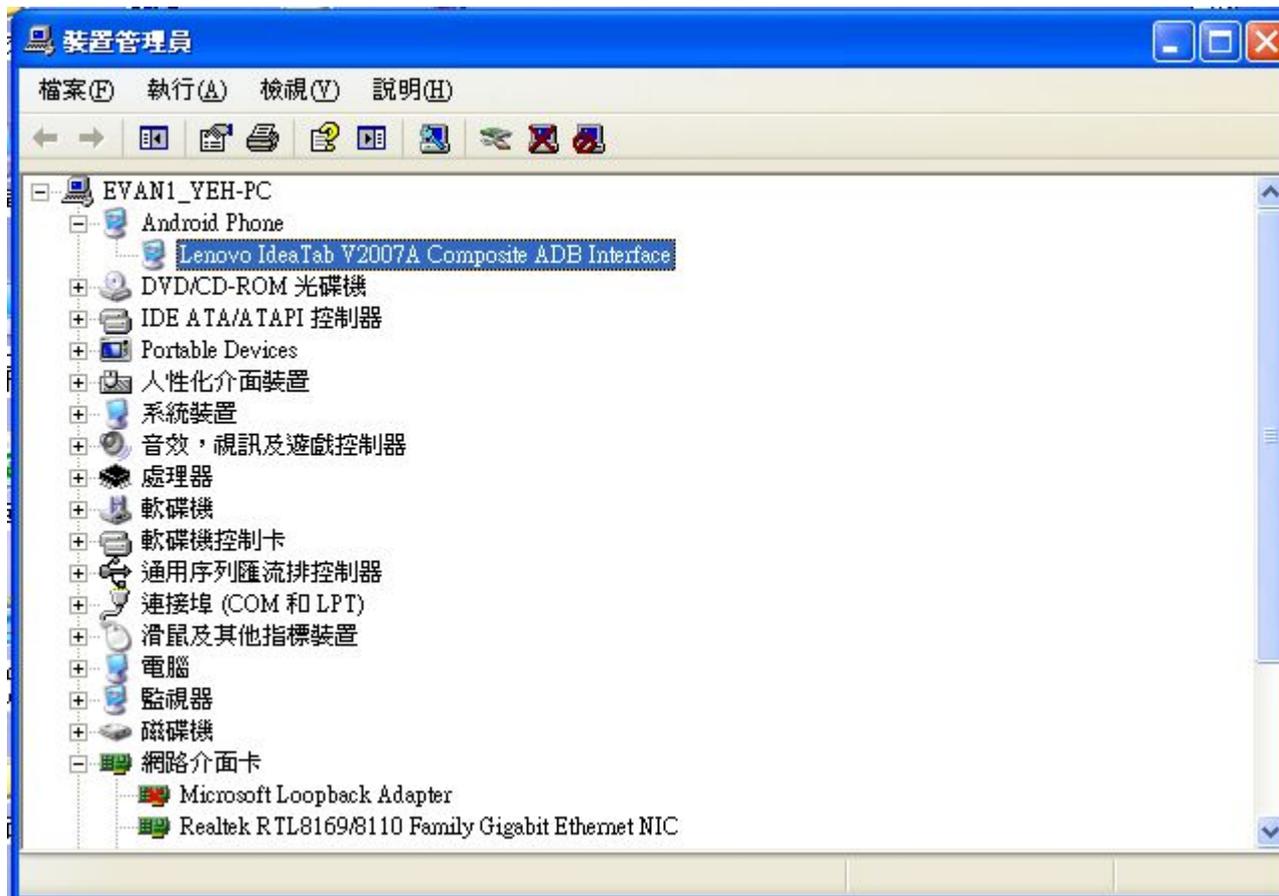- Press start to restore QCN.
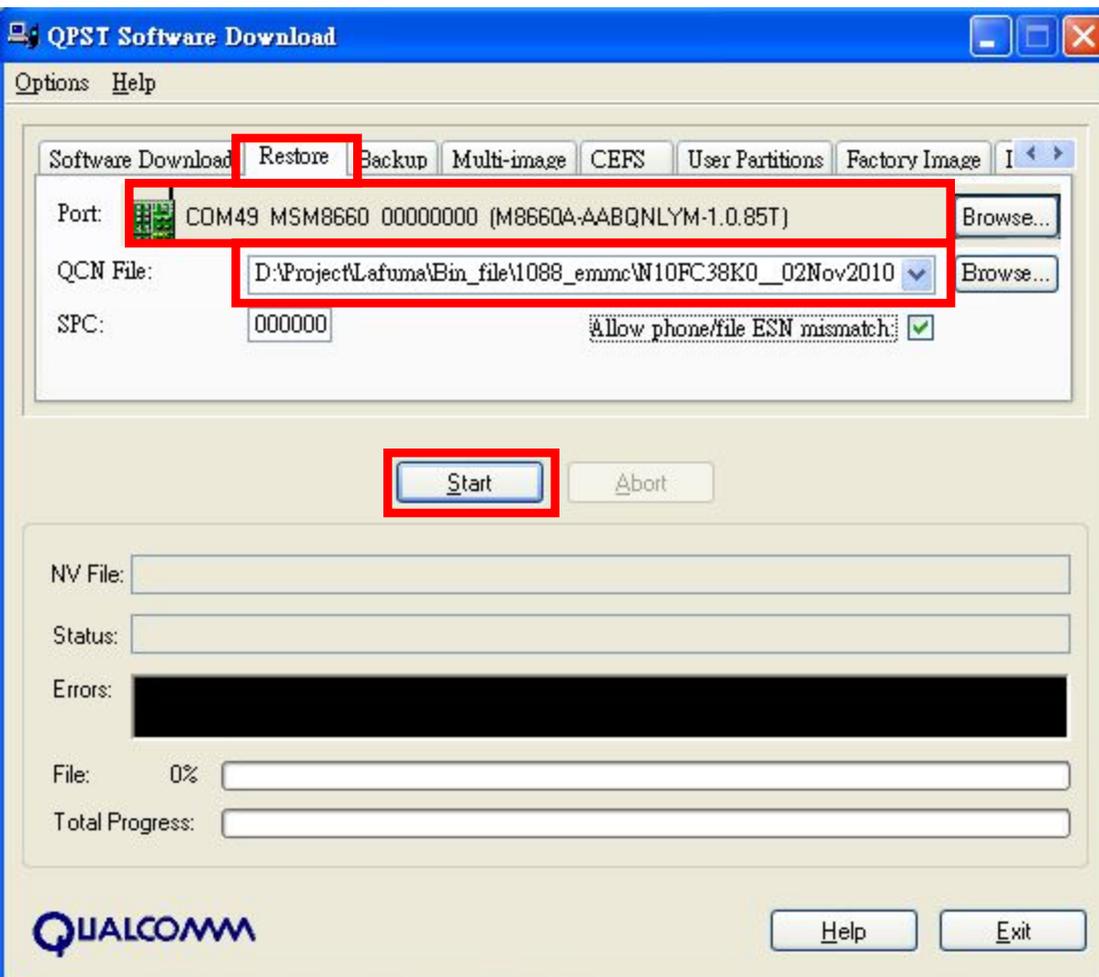
QCN Restore 2.

- After finished download, the device will reboot automatically.
- Plug your SIM card to check call function is workable.

System Data Backup 1.

•Check com port for ADB is available:

System Data Backup 2.

Use adb command to restore System Data, the command line is as bellow:

adb push bt_nv.bin persist/

System Data Backup 3.

注意:自V007後,都要這個步驟

現在資料夾多了兩個檔案, push_WCNSS_ini.zip和WCNSS_qcom_cfg.ini

push_WCNSS_ini.zip解壓縮後會有一個 push_WCNSS_ini.bat,
請大家 download 完 QPST 之後, 要再執行 push_WCNSS_ini.bat, 將
WCNSS_qcom_cfg.ini
送進device, 這樣 Wi-Fi 才可以正常開啟。