H685 Switch MC7710 from DIP to QMI to increase 4G LTE Data Speed

Steps for updating,
1) open H685 case, take out the MC7710 radio module
2) install the MC7710 radio module into the M300 debug board with USB cable.
3) get one PC (called PC1), install MC7710-DIP windows drivers. Download drivers and GUI tool at link http://www.e-lins.com/EN/download/driver/MC7710-DIP.zip

4) get another PC(called PC2), install MC7710-QMI windows drivers. Download drivers and GUI tool at link http://www.e-lins.com/EN/download/driver/QMI_B3449_Watcher.zip and http://www.e-lins.com/EN/download/driver/QMI_Driver_B3574.zip

5) Download DIP-QMI switching tool at link
http://www.e-lins.com/EN/download/driver/BZ31018_DIP_QMI_ModeSwitch.zip
Unzip it and put in PC1.

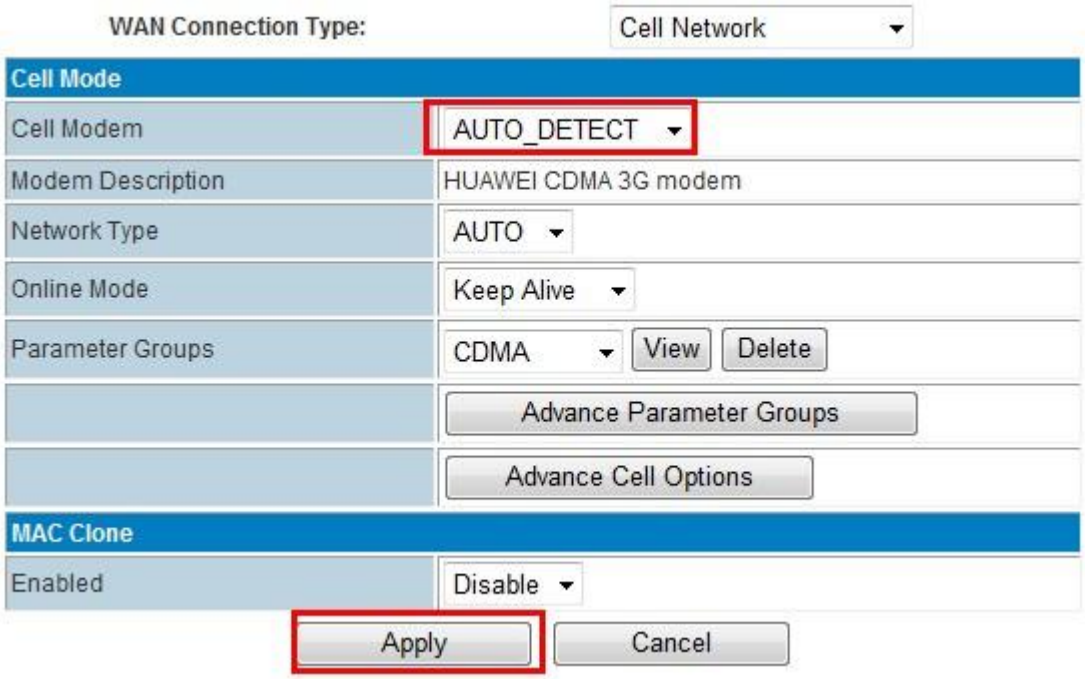
6) Put the SIM card into the M300 debug board. Connect M300 debug board with MC7710 radio module to PC1, power on the M300 debug board, the PC1 will find the device and finishing installing the drivers.
Run the sierrawireless GUI tool, check if can get signal and network.
Run the DIP-QMI switching tool "BZ31018_DIP_QMI_ModeSwitch.exe", try to switch from DIP to QMI mode. Please do not touch the M300 board until the switching is finished.

7) Connect the M300 board with MC7710 radio module to PC2, power on the M300 debug board, the PC2 will find the device and finishing installing the drivers.
Run the sierrawireless GUI tool, check if can get signal and network.

8) Put the MC7710 radio back to H685 router. Install the connectors and cables well.

9) Download newest firmware at link
http://www.e-lins.com/EN/download/firmware/H685_8M64M_V2.3.52_20130801_wifi
And update the H685 with this firmware.

10) At H685 router, please at WAN configuration page, select "AUTO" at "Cell Modem". Do not forget to click "Apply" button. Then the router will search the radio module, and working with QMI mode, which can reach much faster speed than before.


WAN Connection Type:
Cell Network
Cell Mode
Cell Modem
AUTO_DETECT
Modem Description
HUAWEI CDMA 3G modem
Network Type
AUTO
Online Mode
Keep Alive
Parameter Groups
CDMA
View
Delete
Advance Parameter Groups
Advance Cell Options
MAC Clone
Enabled
Disable
Apply
Cancel