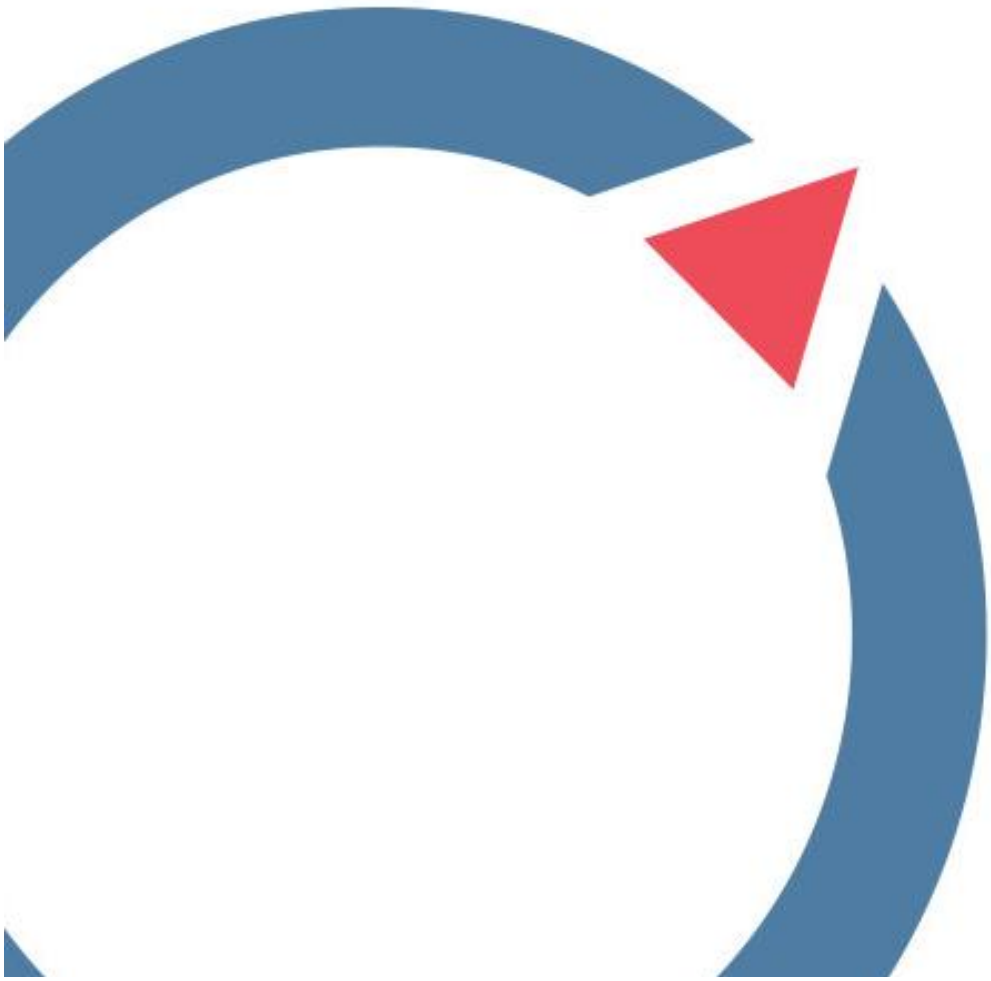
KNOWYOU

Quick Start Guide for NB-IoT Wireless Data Terminal

KDC Series

Version : V1.0

Release Date : 2018.5.9



Operation Frequency:
TX LTE Band 2: 1850MHz-1910MHz
TX LTE Band 4: 1710MHz-1755MHz
TX LTE Band 5: 824MHz-849MHz
TX LTE Band 12: 699MHz-716MHz
TX LTE Band 13: 777MHz-787MHz
TX LTE Band 17: 704MHz -716MHz
TX LTE Band 25: 1850MHz-1915MHz
TX LTE Band 26 : 814MHz-849MHz
TX LTE Band 41: 2496MHz ~2690MHz
TX LTE Band 66: 1710MHz-1780MHz
RX LTE Band 2: 1930MHz-1990MHz
RX LTE Band 4: 2110MHz-2155MHz
RX LTE Band 5: 869MHz-894MHz
RX LTE Band 12: 729MHz-746MHz
RX LTE Band 13: 746MHz-756MHz
RX LTE Band 17: 734MHz -746MHz
RX LTE Band 25: 1930MHz-1995MHz
RX LTE Band 26 : 8594MHz-894MHz
RX LTE Band 41: 2496MHz ~2690MHz
RX LTE Band 66: 2110MHz-2200MHz

Antenna gain:

Band 2: 1.27dBi
Band 4: 1.38dBi
Band 5: -4.02dBi
Band 12: -4.29dBi
Band 13: -4.27dBi
Band 17: -4.36dBi
Band 25: 1.31dBi
Band 26: -4.07dBi
Band 41: 1.57dBi
Band 66: 1.62dBi

Modulation type: QPSK, 16QAM

Antenna type: PIFA antenna

Hardware Version: V1.0

Software Version: V1.1

(1)§ 15.19 Labelling requirements.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

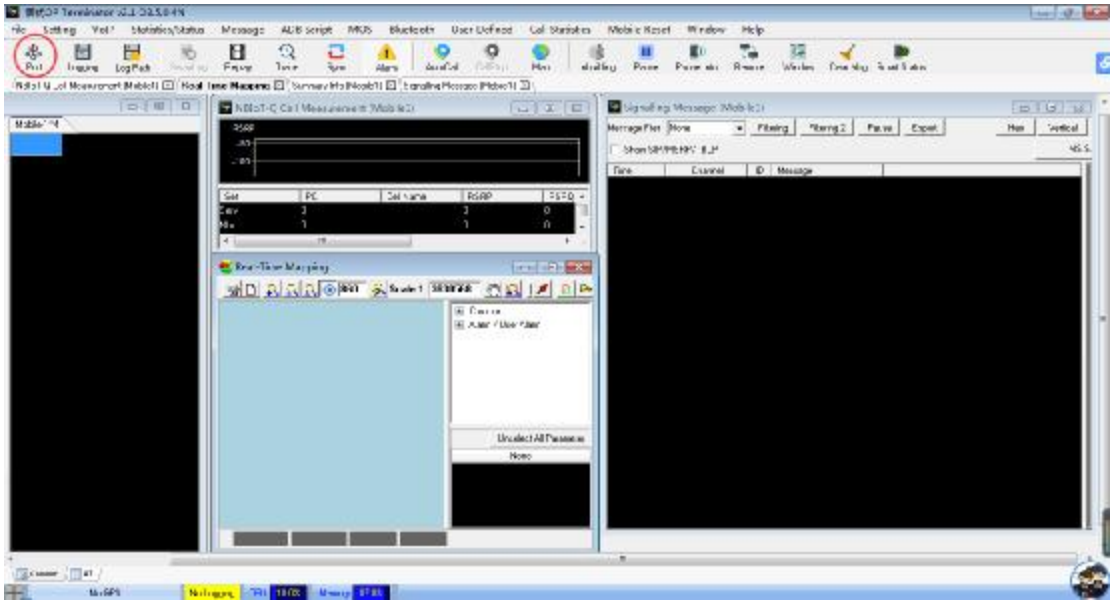
§ 15.21 Changes or modification warning
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

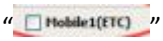
§ 15.105 Information to the user.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

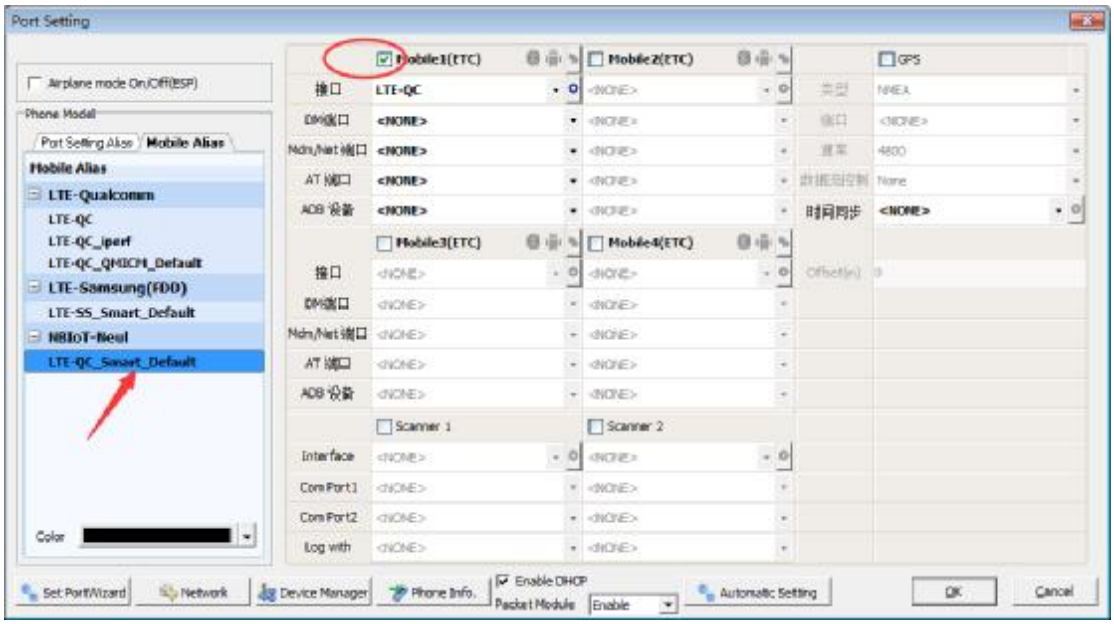
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

step 1: use the needle to insert the hole of sim card slot, then pup out sim card tray and pull out sim card tray.
step 2: put the data card on the sim card tray correctly and insert them into sim card slot horizontally.
step 3: upturn the chip of data card and insert it into NB terminal.
step 4: connect the antenna to NB terminal and tighten clockwise to fix it on the NB terminal.
step 5: connect NB-IoT wireless data terminal to laptop, Make sure the minimum distance to the human body is 20cm.
step 6: open software.

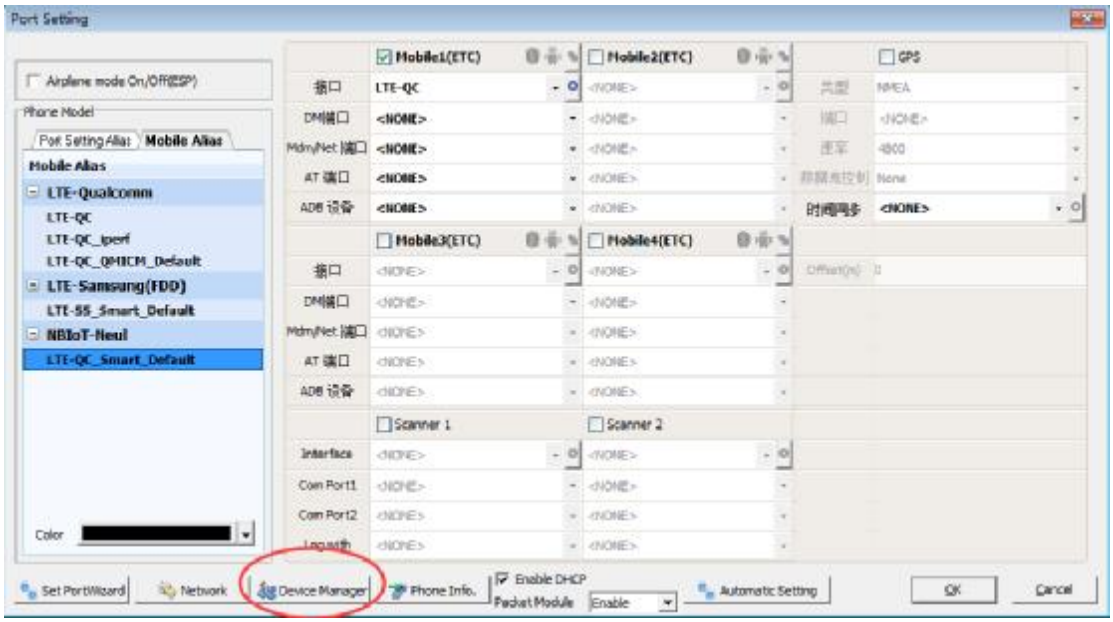
Step 7: click " " button.

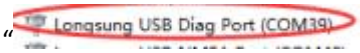


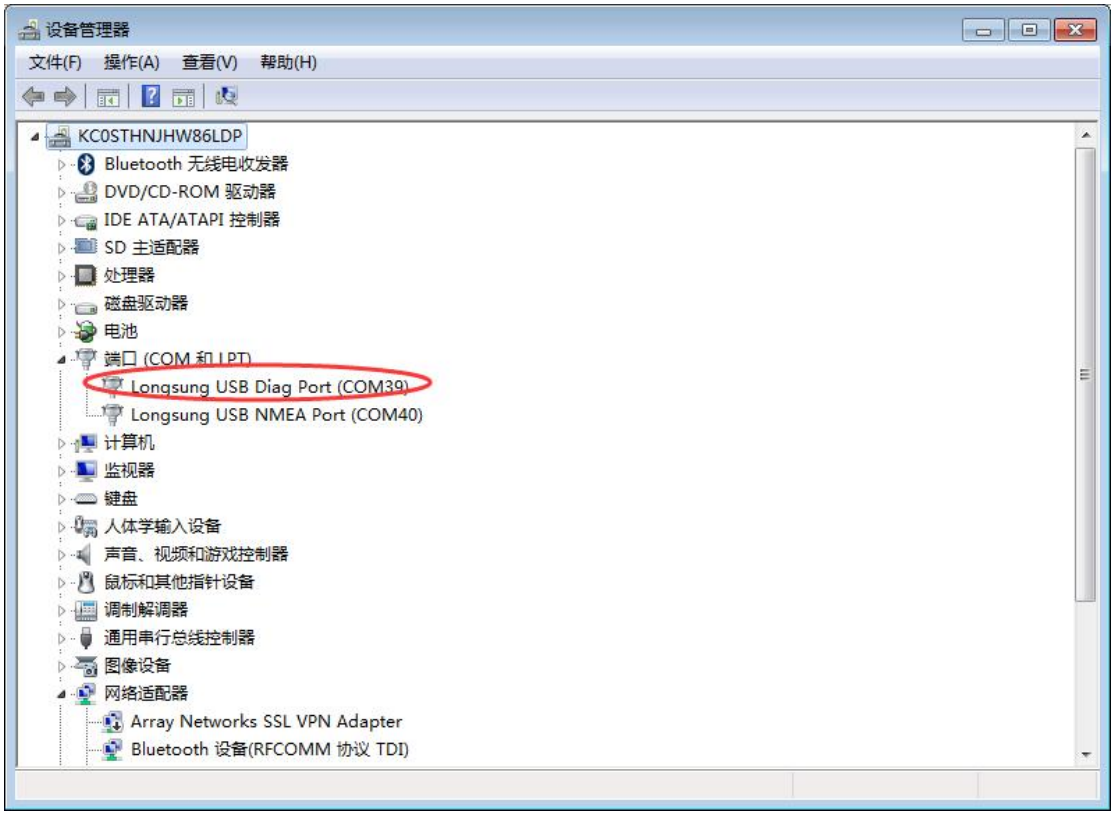
Step 8: click " ", check "  " on the pop-up window.



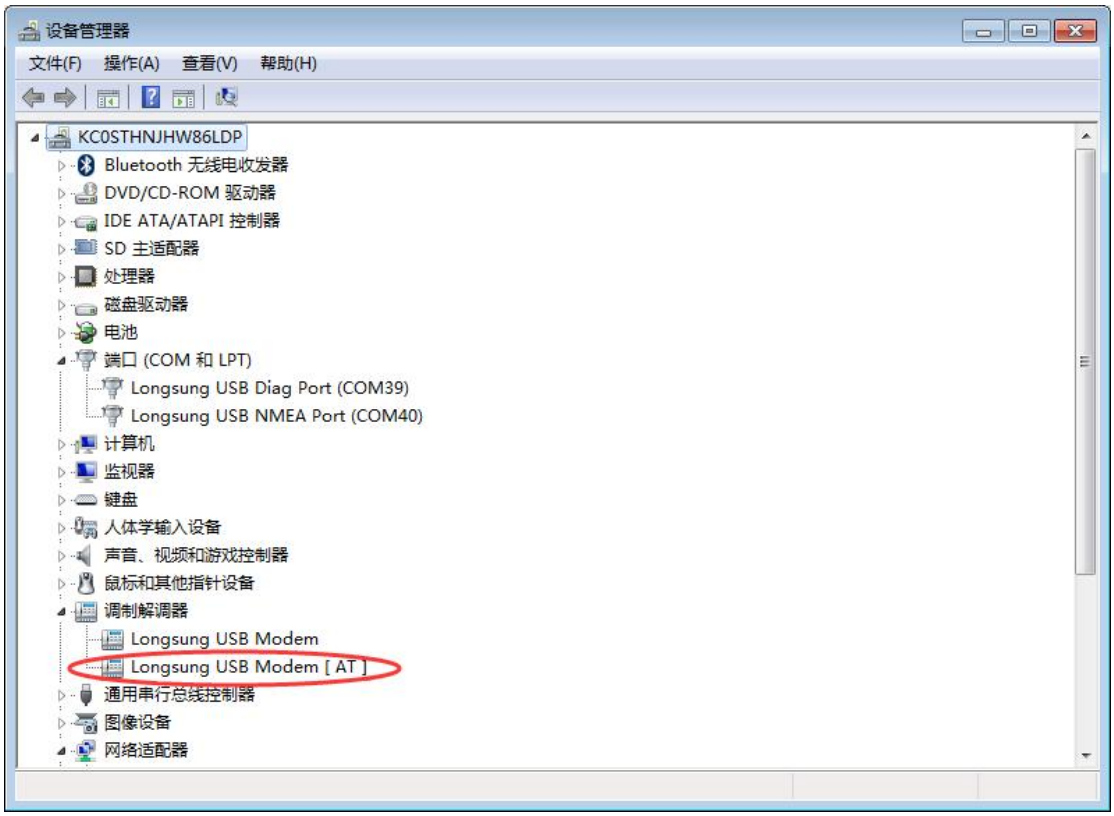
Step 9: click " "button.



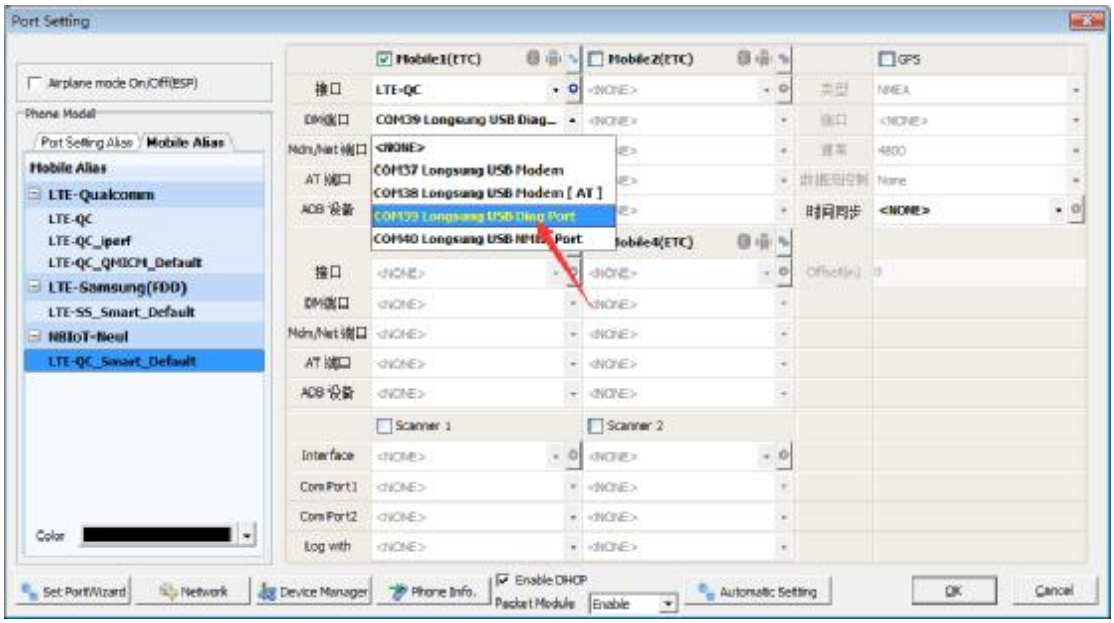
Step 10: find Port （COM and LPT) on the Device Manager of laptop and select "  ".



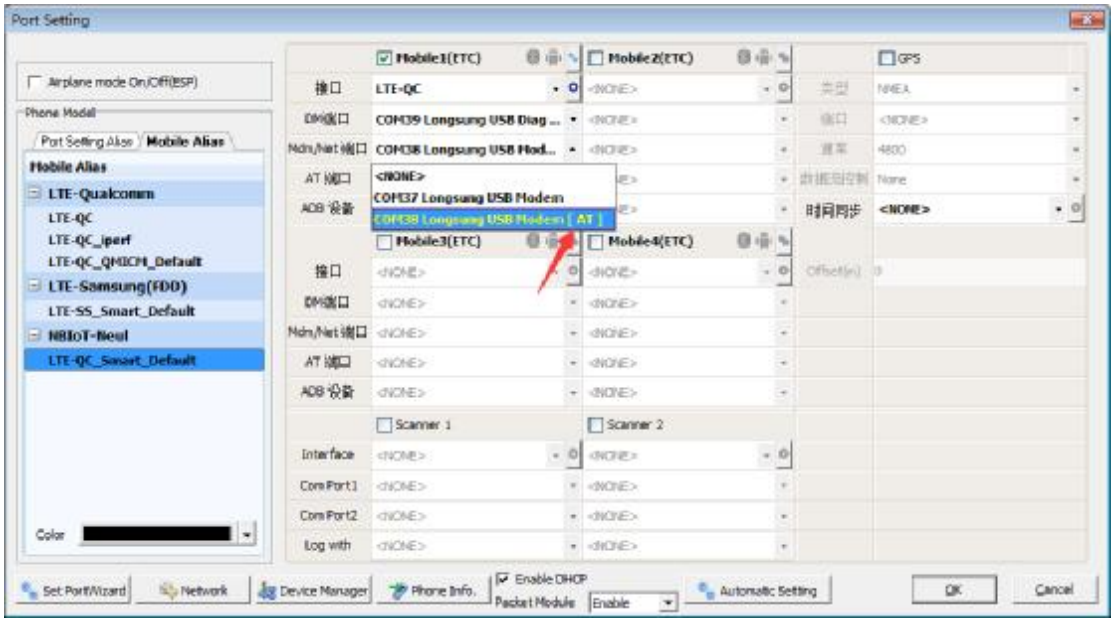
Step 11: find Modem on the Device Manager of laptop and select the last modem on the drop-down list of Modem, such as " " shown in the following picture.



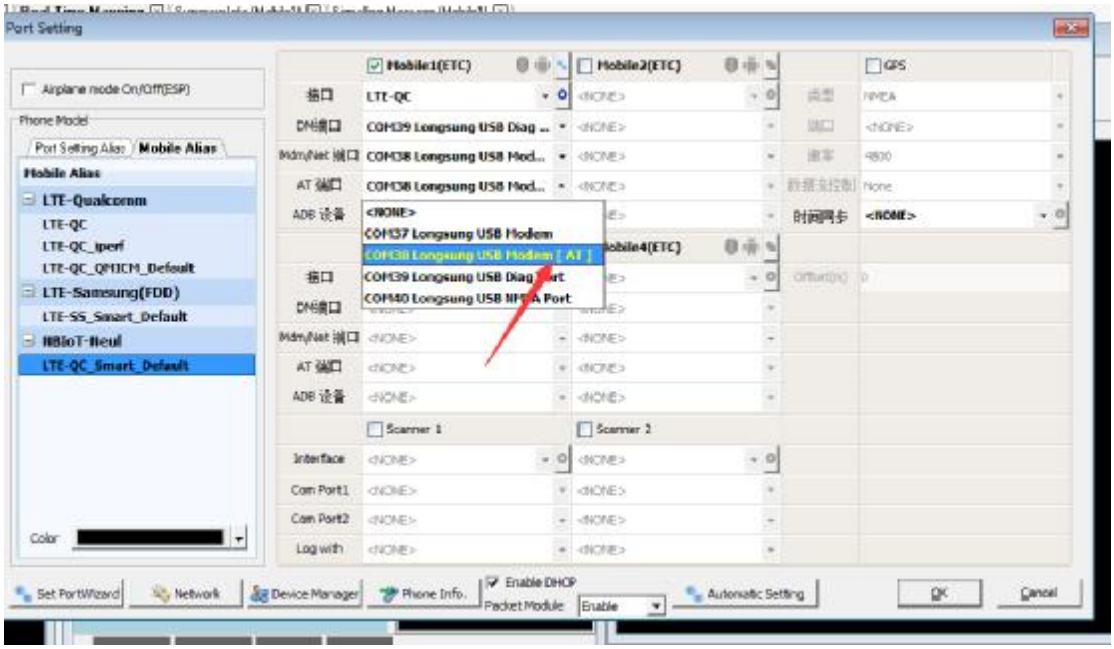
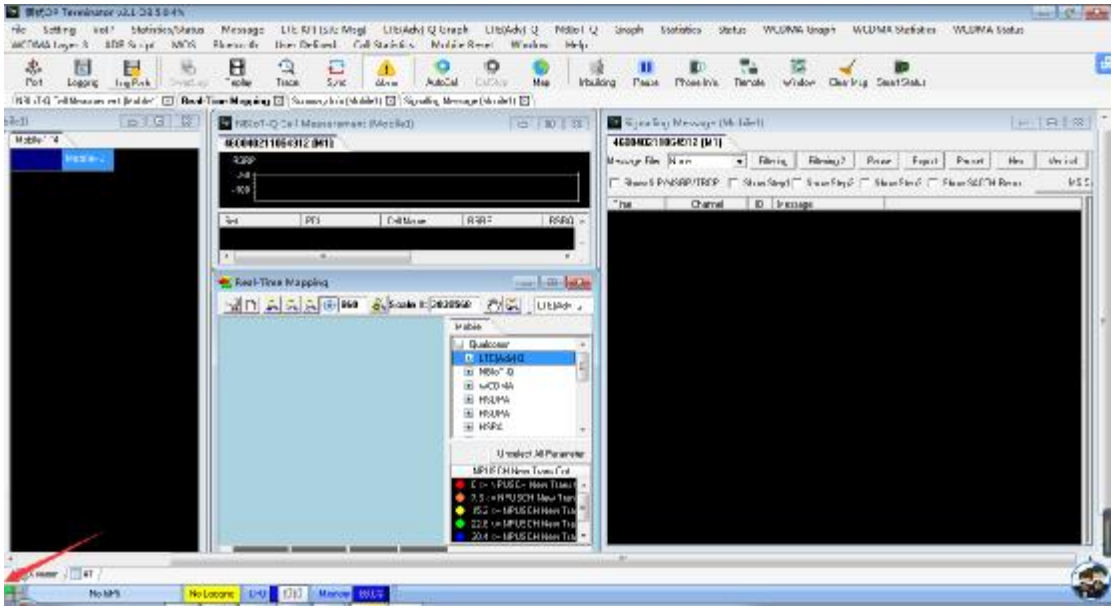
Step 12: click the drop-down list on the right side of Modem/Net port under the Mobile(ETC) on the Port Setting window and select "COM39 Longsung USB Diag Port".



Step 13: click the drop-down list on the right side of AT port under the Mobile(ETC) on the Port Setting window and select "COM38 Longsung USB Modem [AT]".



Step 14: click the drop-down list on the right side of ADB port under the Mobile(ETC) on the Port Setting window and select "COM38 Longsung USB Modem [AT]".



Step 15: it indicates NB network was connected successfully when the "" icon in the bottom-left corner of OP Terminator window appeared.