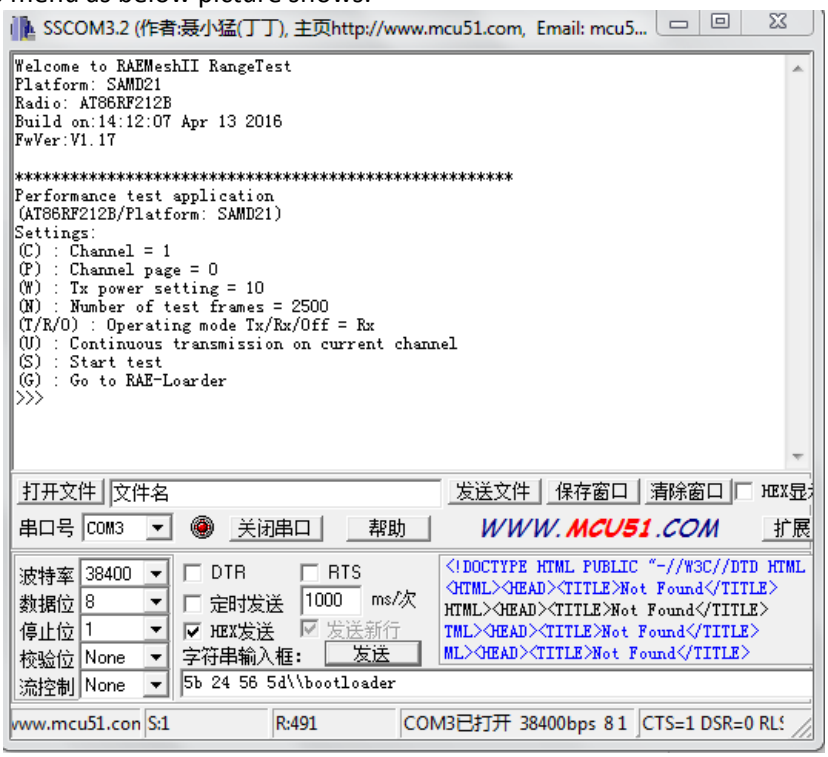
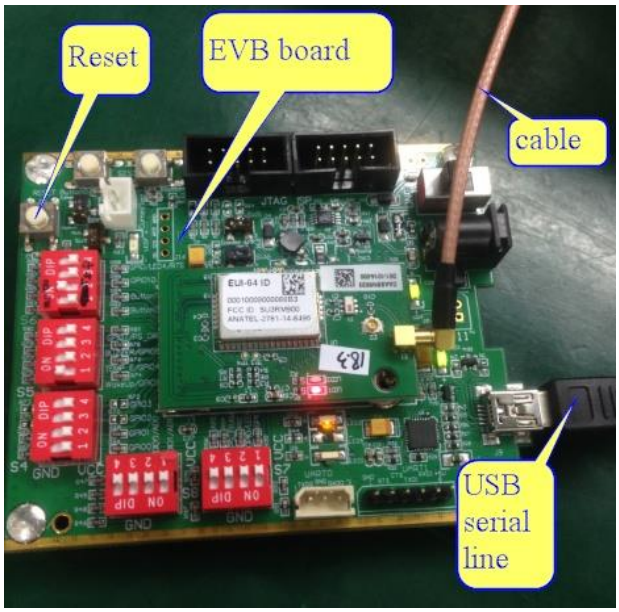
Manual

Test FW manual

1. Extract test tool “SSCOM32”, Connect modem to PC by serial line, choose right Port ,Set baud rate to 38400, enable SSCOM.
2. Press reset on EVB board and Press “Enter” on keyboard. SSCOM will print modem info and setup menu as below picture shows.



3. Press “C” to select channel,
   Choose 0 means 868.3MHz;
   Choose 1 means 906MHz;
   …
   Choose 10 means 924MHz;
4. Press “N” to choose how many data package you want to send them out, in order to continuously sending data, user could set “N” to 55555555, thus it may can continuously send data for have an hour.
5. Press “W” to select power level:
   Default is level 10;
6. Then press “T” to get into transmit mode, press “R” to get into receive mode;
7. Once choose the mode you wanted, then press “S” to start sending data or receive data.

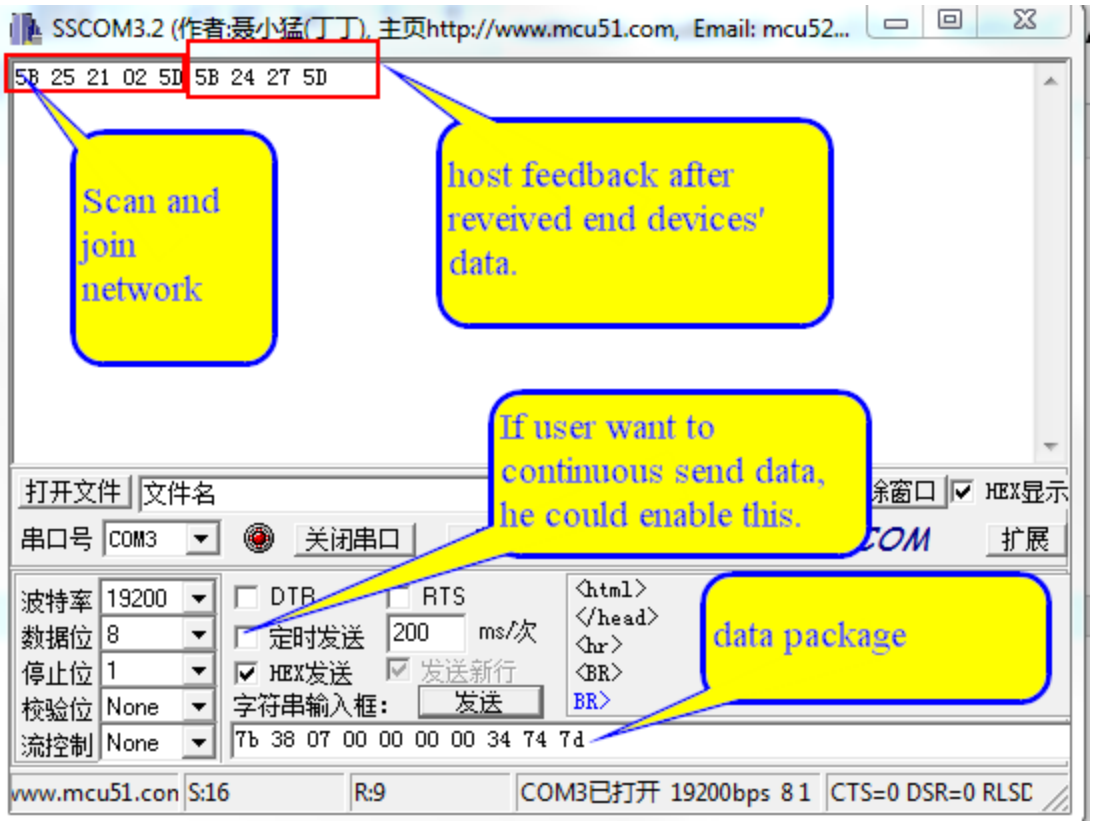


Application FW Manual:

1. Install the modem with application version FW on the EVB Board, then connect the EVB Board to PC, open SSCOM, choose right port and set baud rate to 19200, then enable SSCOM;
2. Press reset on EVB board and Press “Enter” on keyboard. SSCOM will print modem info and setup menu as below picture shows.

3. Provide a Host installed a same modem working on Coordinator mode, host’s modem info is showing as below picture. They are at the same band 915.

4. Send command “5b 25 34 01 5d” to set host and end modem to same channel, HEX “01” means channel 1 (906MHz), HEX “0A” means channel 10 (924MHz);
5. Send command “5b 26 44 0383 5d” to set host and end modem to same PANID;
6. Once modem under test and Host were set to same PANID and same channel, they can communicate with each other;
7. Send command “5b 24 20 5d” to scan network, if echo “5B 25 21 02 5D” means network is available, then send data package. Data package command “7b 38 07 00 00 00 00 34 74 7d” , once host received this data, host will send out “5B 24 27 5D “ as feedback.



If user want to continuous send data, he could choose the menu " Send every 200ms" or "Send every 1s".

Note:

FCC Part 15 Class B Equipment

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.