Quick Manual
for TypeYD EVK

muRata
Innovator in Electronics
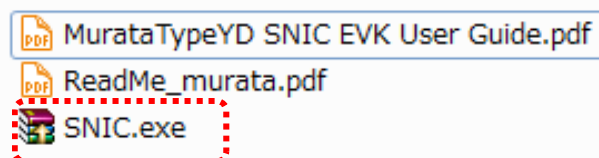
TypeYD EVK- Setup1

1. Download and Install the driver of URAT-USB FTDI from below site.
 http://www.ftdichip.com/Drivers/D2XX.htm
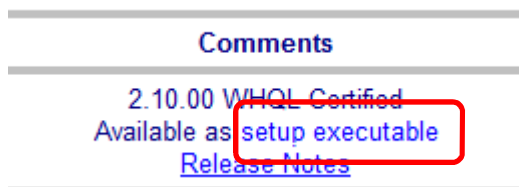
click setup executable for file download

2. Install SNIC.exe on provided CD for file extraction and setup.exe for PC tool.
2.1File extract to click SNIC.exe included in CD
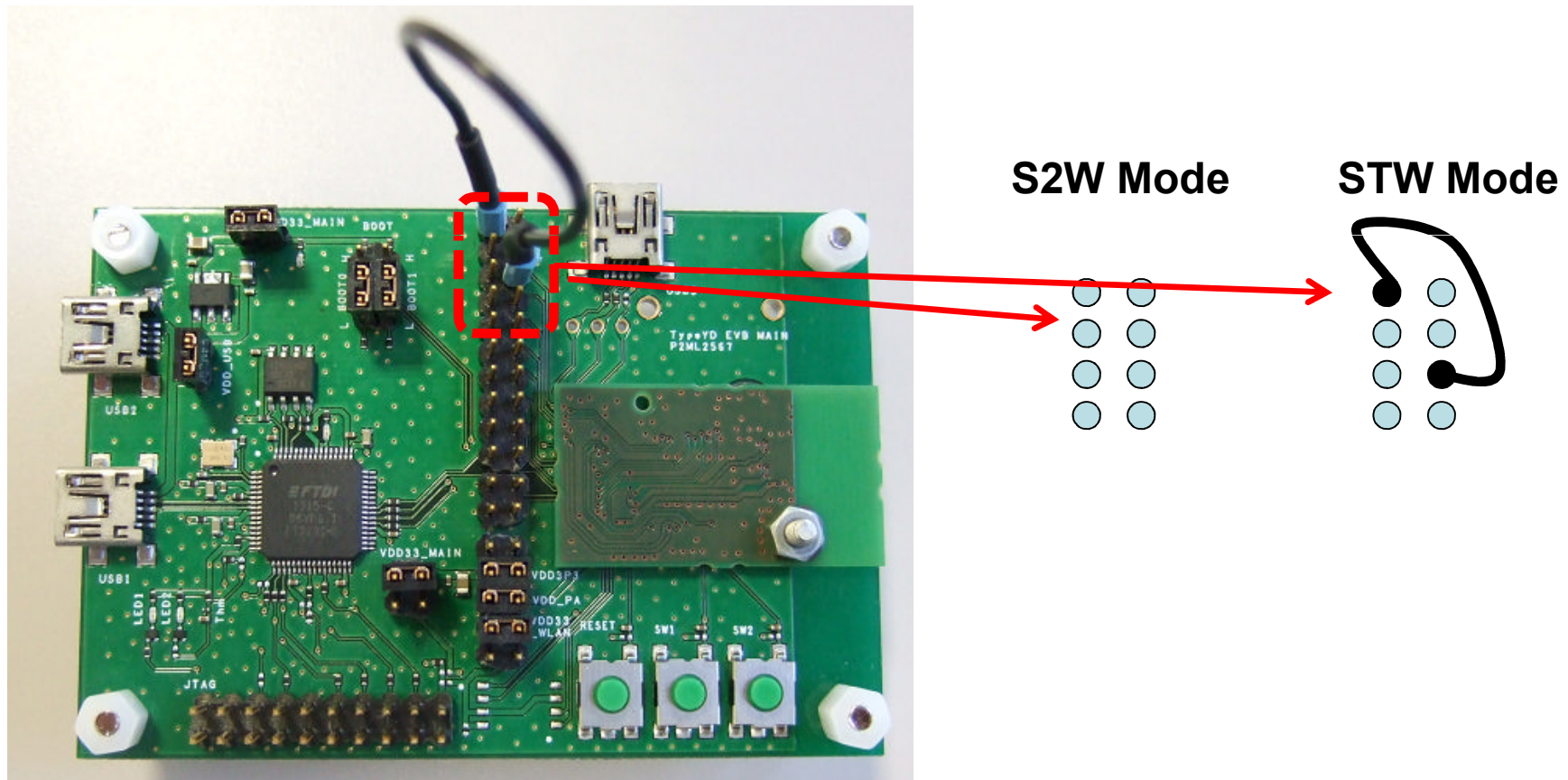   Files are extracted in C:¥SNIC if installed with default set.

2.2 Install C:¥SNIC¥Tools¥SNIC monitor¥ setup.exe for PC tool

Serial 2 WiFi Test - 1

1. STA EVB Pin check for **S2W mode**

Refer to below document for the meaning of Serial 2 WiFi and Serial Through WiFi
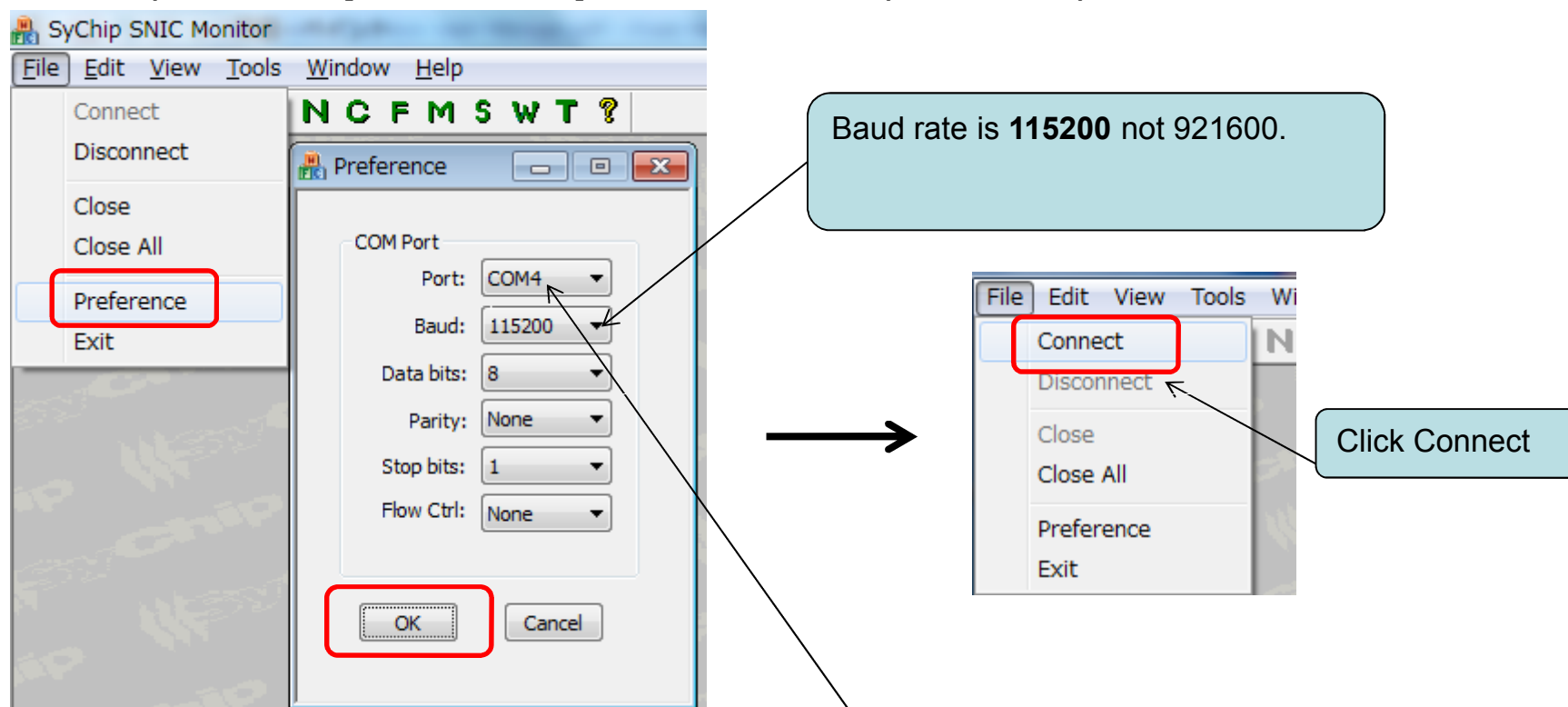C:¥SNIC¥SNIC_UART¥Documents¥ Murata SNIC Serial Interface Specification.pdf

S2W Mode   **STW Mode**

Serial 2 WiFi Test - 2

2. Connect the EVB with the computer with the mini USB cable.
   If power supplied, system will start automatically.

Connect with PC for power supply and terminal control

JTAG

Reset Button
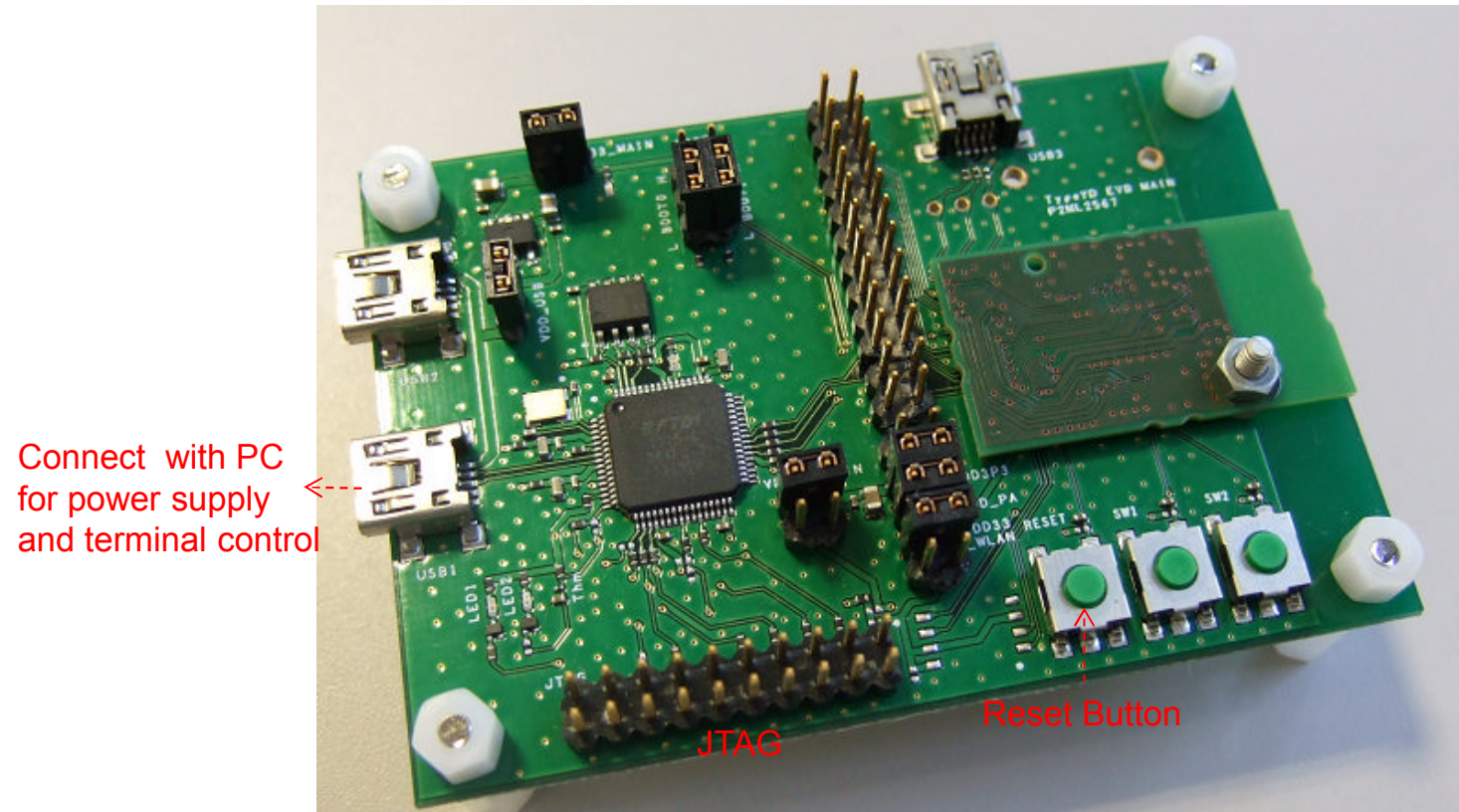
Serial 2 WiFi Test - 3

3. Start up Test tool [SNICMonitor] ICON on desktop and set up as below.
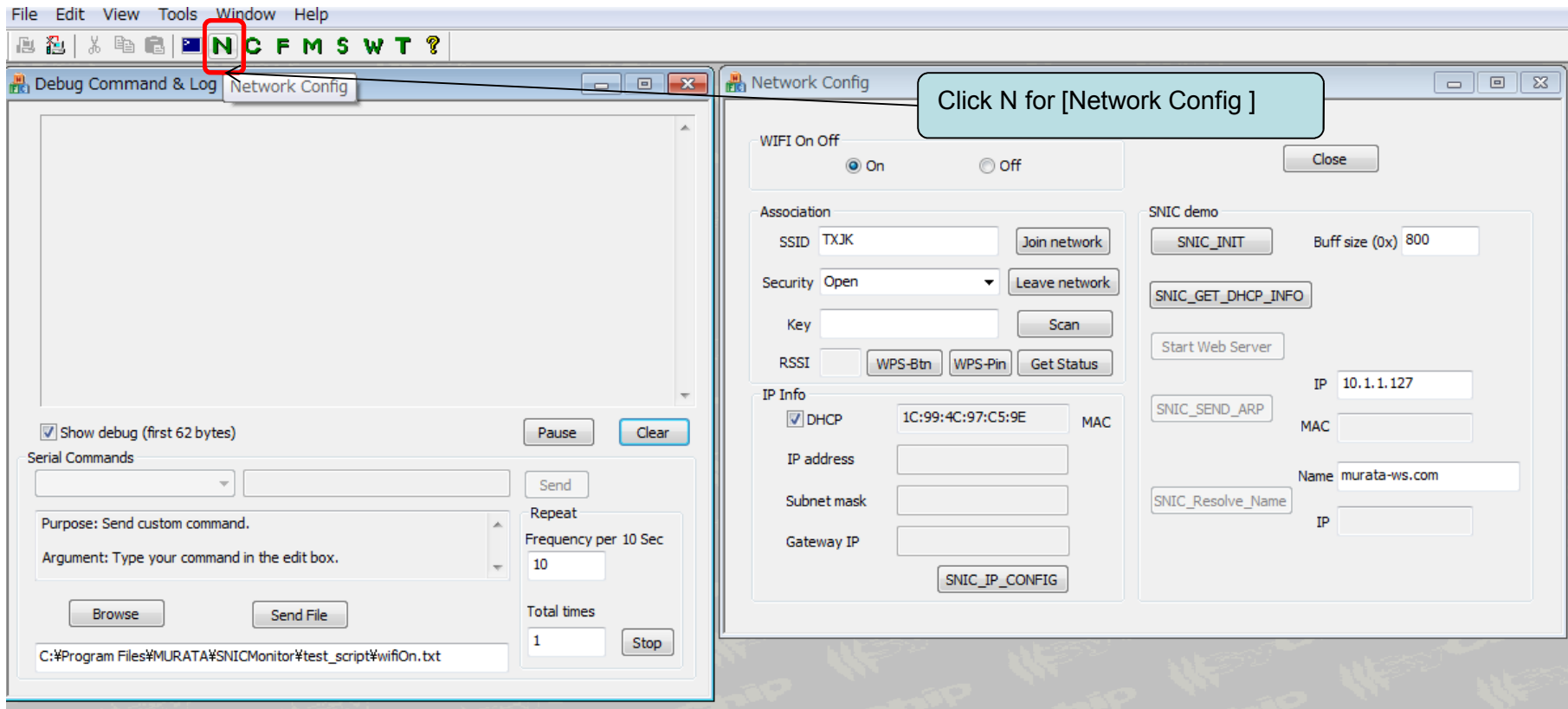
Baud rate is **115200** not 921600.

Click Connect

2 COM port is detected on PC's device driver.
Upper COM port is used for this test. Please set COM4 as below example

USB Serial Port (COM2)
USB Serial Port (COM4)

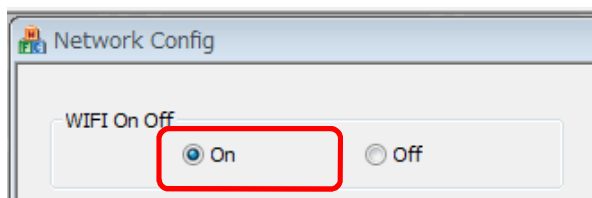# Serial 2 WiFi Test - 4

4. Debug command and GUI command control

-Debug Command & Log is for log display and command send control
-Network Config is for GUI command control
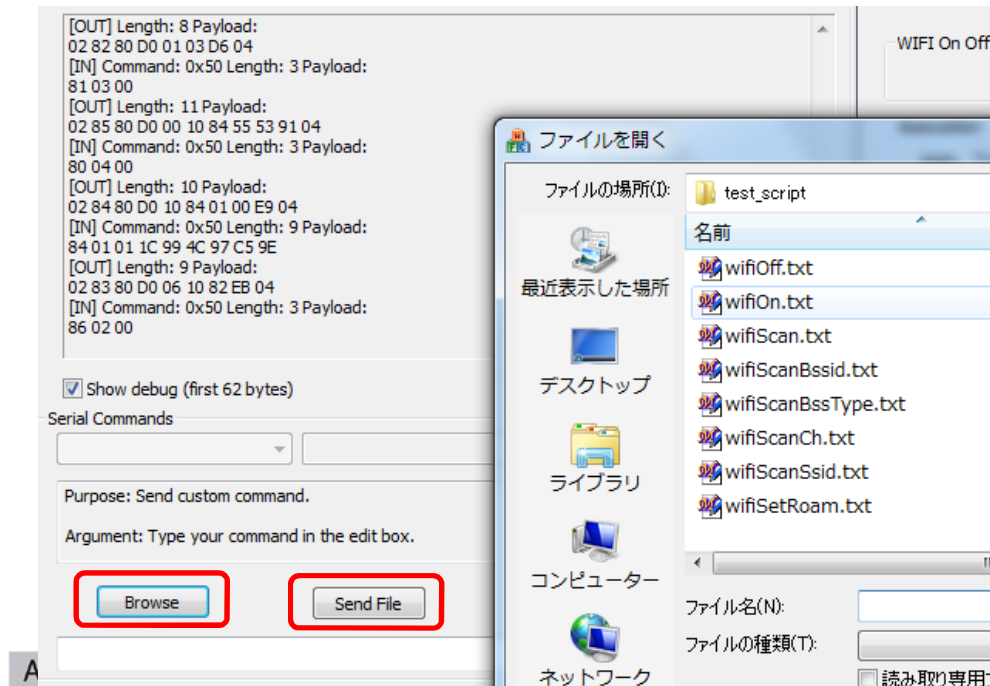
5. For WiFi On Test

-There are two method for Wifi On with GUI control and command send control

5.1 GUI control

Click On of WIFI OnOff

5.2 Command send control

Click Browse
->select script file the
**C:¥Program
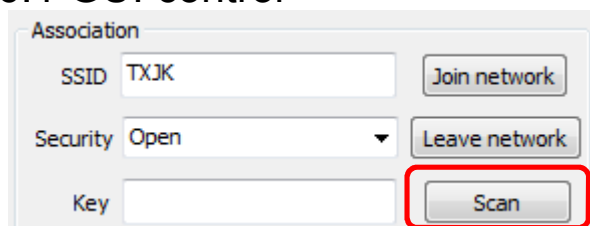   Files¥MURATA¥SNICMonitor¥te
    st_script¥wifiOn.txt**
-> Click Send File

Serial 2 WiFi Test - 6
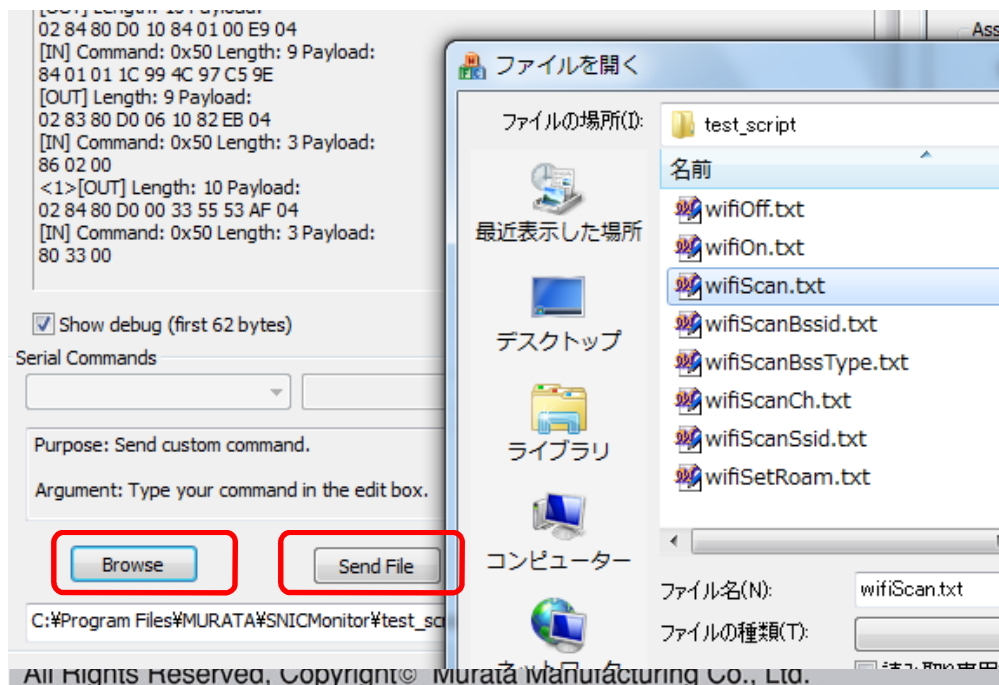
6. For SCAN and AP connect

-There are two method also as [4. For WiFi On Test]

6.1 GUI control

Click Scan Button

6.2 Command send control

Click Browse
->select script file the
C:**¥Program Files¥MURATA¥SNICMonitor¥test_script¥wifiScan.txt**
-> Click Send File

7. For more test

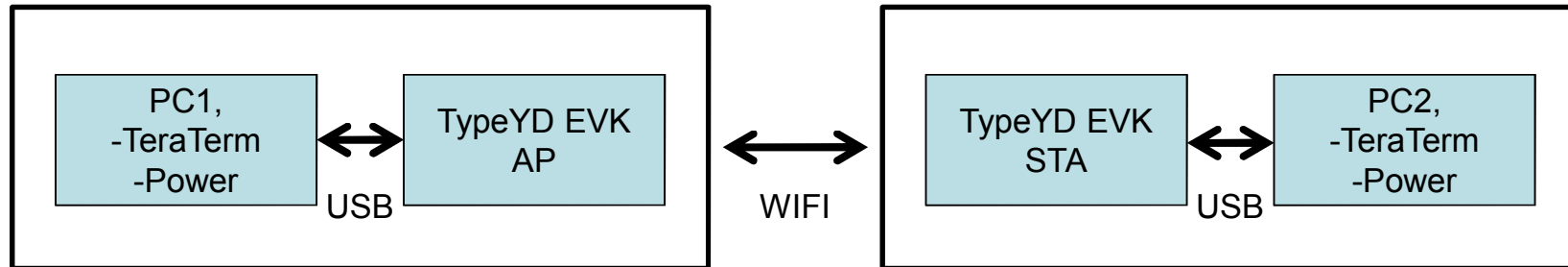Do as same method [4 & 5. For SCAN and AP connect] page for more test.

And also we can edit and make script file.

Please refer to

    C:¥SNIC¥SNIC_UART¥Documents¥Murata SNIC Serial Interface Specification.pdf
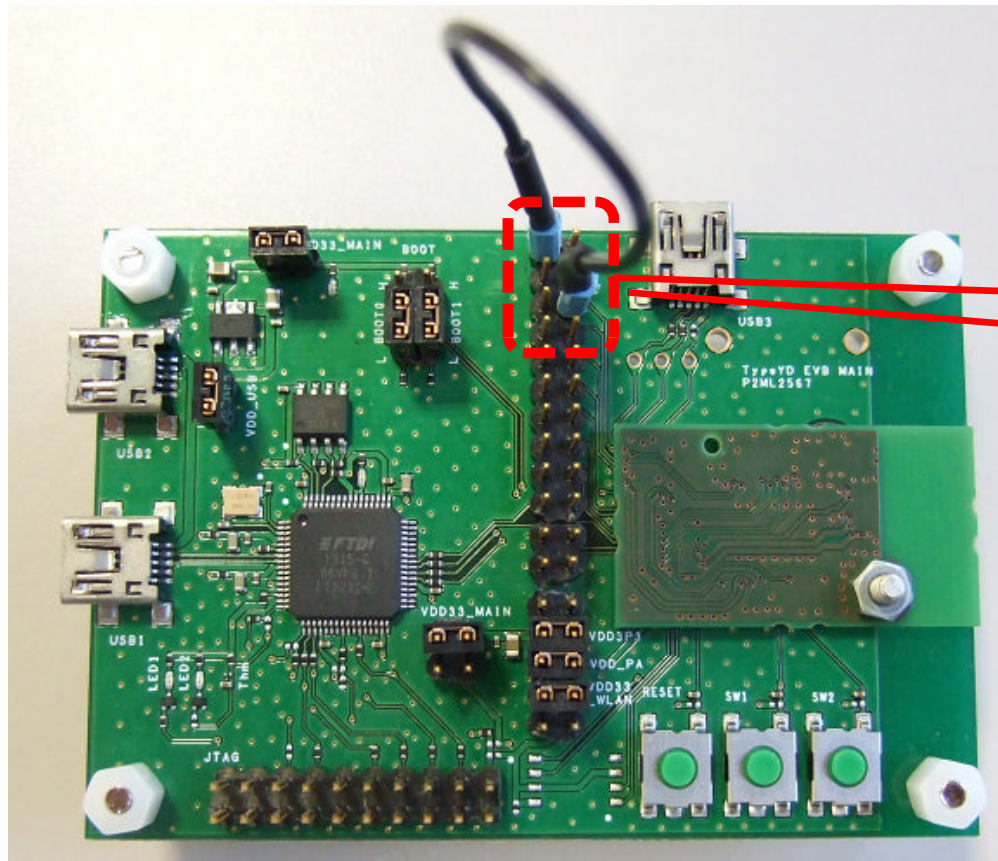
for command list and specification

Serial Through WiFi Test - 1
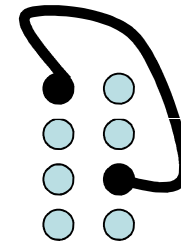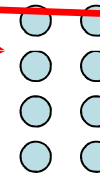
1. This is a TEST set image.

2. EVB AP and STA Pin check for STW mode

S2W Mode   **STW Mode**
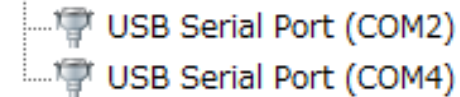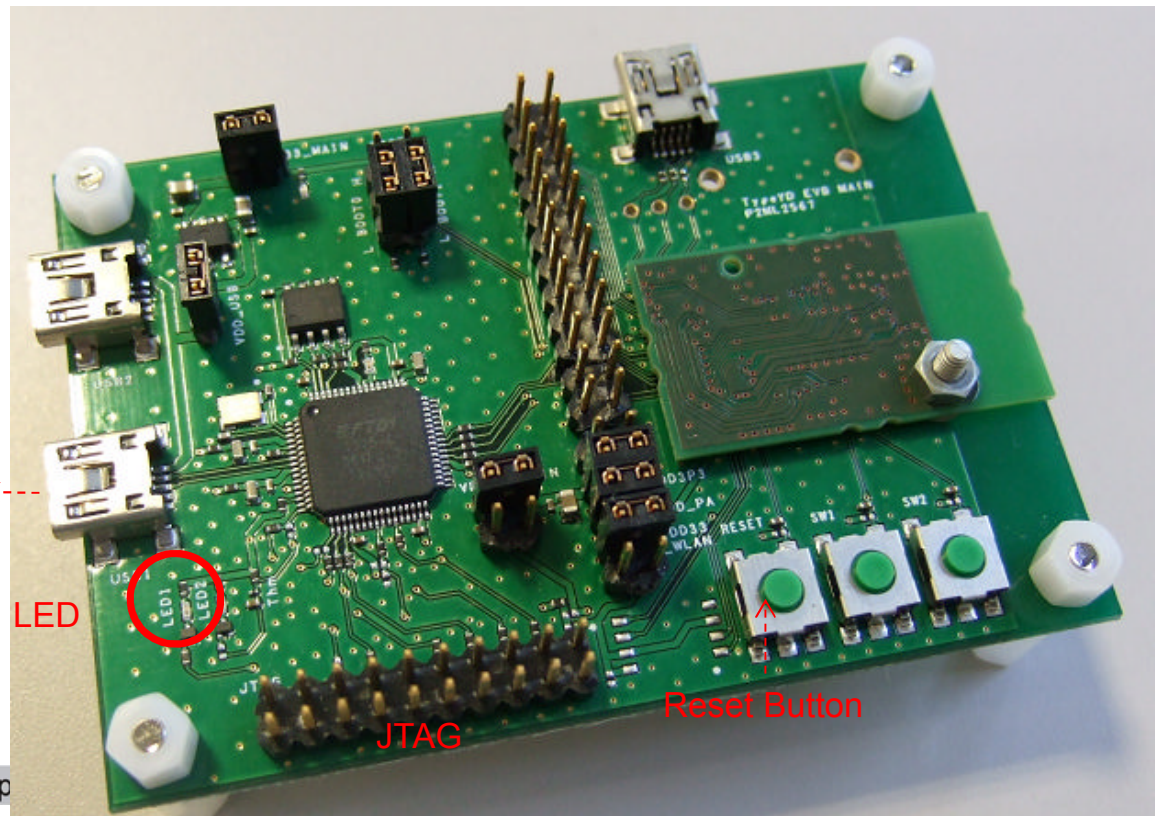
Serial Through WiFi Test - 3

3. Connect AP and STA's EVB with the mini USB cable to the each computer
4. And then start up teraterm on each PC (setup COM port with baud rate 115200).
   2 COM port is dettected. Upper COM port is used for this test
   Please set COM4 as below example

USB Serial Port (COM2)
USB Serial Port (COM4)

5. AP and STA establish TCP connection. Wait for LED1 (green) to turn on to indicate that the connection is established

Connect with PC for power supply and terminal control

LED

JTAG

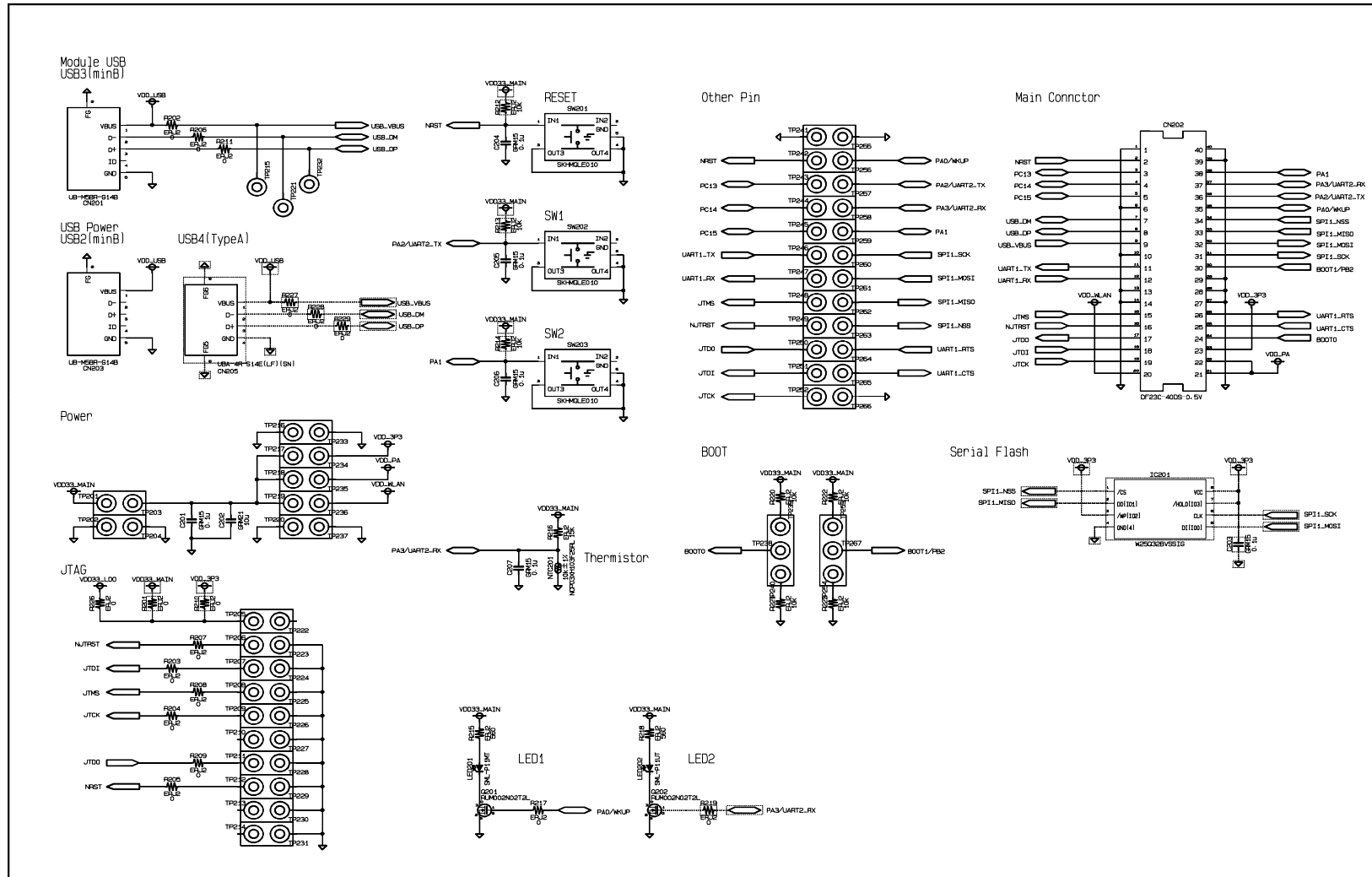Reset Button

Serial Through WiFi Test - 4

6. If any key is clicked on the PC1 terminal ,
   clicked characteristic is appeared on the PC2's terminal.
PC2 is received data from PC1 through WiFi.

 Refer to this document for detail test
 C:¥SNIC¥SNIC_UART¥Documents¥ Murata SNIC UART Serial Interface User Manual.pdf

TypeYD EVK- Layout

TypeYD EVK- Schematic

TypeYD EVK- JTAG

Murata EVK has JTAG pins with below specification.

・Pin number : 20 pins
・Pin pitch : 2.54mm