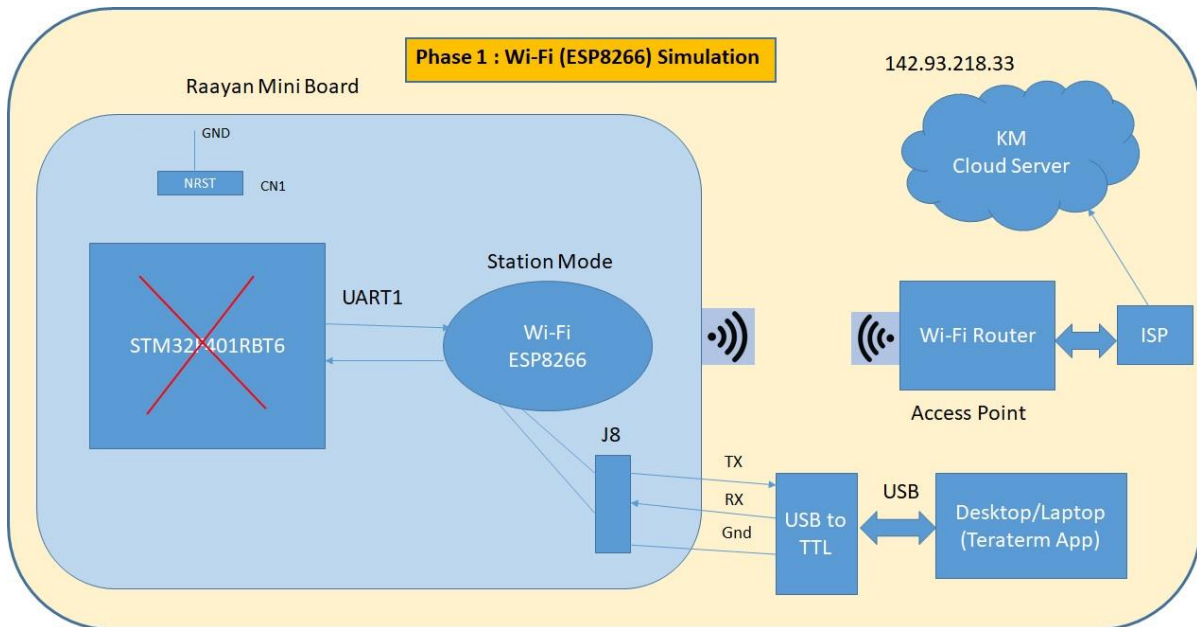**UART Project – Wi-Fi module interface with STM32F401RBT6:**
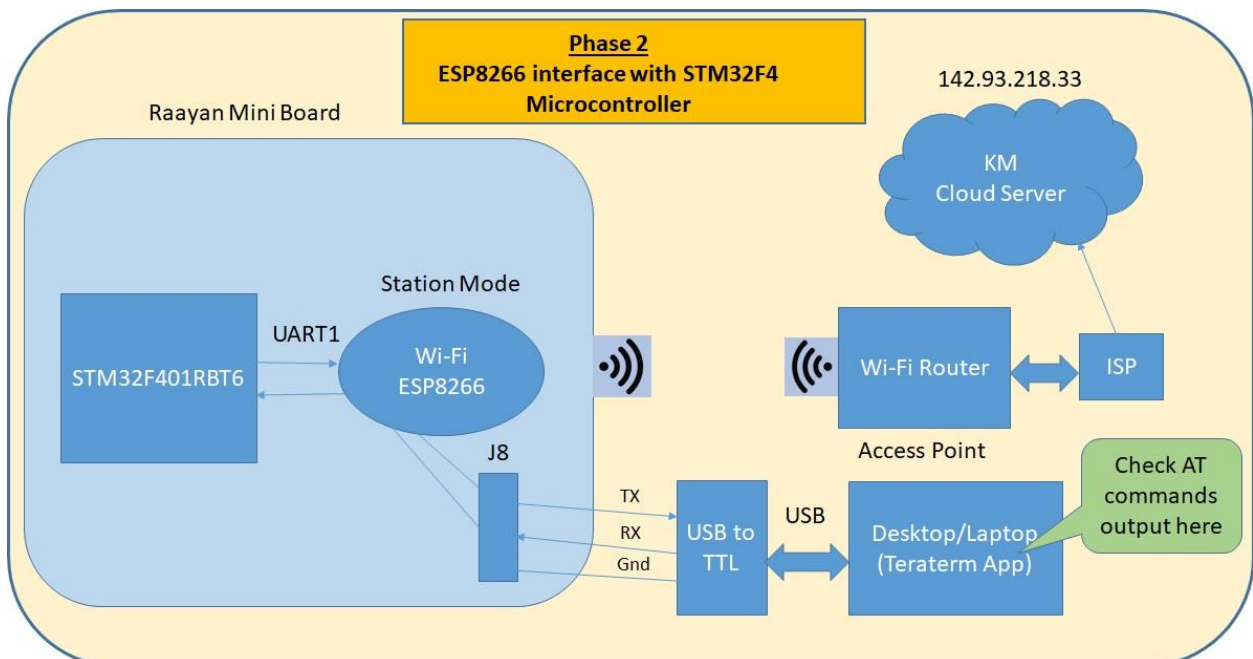
Phase 1: **Disable STM32F401RBT6 microcontroller and connect Wi-Fi module with USB to TTL Converter.**

Send Temperature, Humidity and Device ID to Kernel Masters server using AT Commands.
Run AT commands in "Docklight" serial communication protocol tool.

Phase 2: **Enable STM32F401RBT6 microcontroller.**

Write an embedded C program and send temperature, humidity and device ID to kernel masters server using UART1 communication protocol. Configure UART1 to 115200 8N1.

Kernel Masters Server IP Address: 142.93.218.33
Kernel Masters Webserver: http://142.93.218.33/km/weathermonitor.php