In order for the SAM-IoT Serial Bridge firmware application to work properly (used for updating the WINC1510 firmware), the SAM-IoT board’s Debugger firmware version must be programmed to 01.14.0019. You can check what is currently programmed in your board by opening the CURIOSITY drive and viewing the contents of the KIT-INFO.TXT file:

Graphical user interface, text, application

Description automatically generated

If the Debugger firmware needs to be changed, you can use any MPLAB X project to specify the debugger firmware be updated using a specific MPLAB X **tool pack** (which in this case would be version 1.4.198 to get the desired Debugger firmware).

Use any MPLAB X project that you have for the SAM-IoT board and configure the project properties (under the category for **PKOB nano**):

1. Select **Tool pack selection** under “Option categories”

Graphical user interface, application, Word

Description automatically generated

1. Select **Use specific tool pack** for “Tool pack update options”

Graphical user interface, text, application

Description automatically generated

1. Click on “Specifically selected version” and then select **1.4.198**

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

After saving these project properties, program your board as usual and MPLAB X will reprogram the board’s Debugger firmware to version 1.14.0019. Once this is done, you can drag and drop the “SAM-IoT\_WINC15x0\_SerialBridge.hex” file to CURIOSITY and then run the Fast Updater batch file to update the WINC1510 firmware.