Tutorial from RemoTI Application Guide (SWRU201B)

IAR specification:

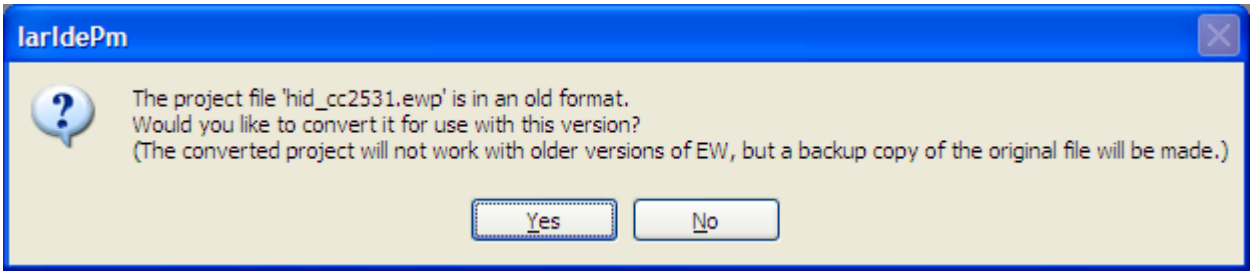
- IAR Embedded Workbench for 8051, v.8.10, Evaluation Edition
- Downloaded from IAR Website, 2011-11-26

Step 1.

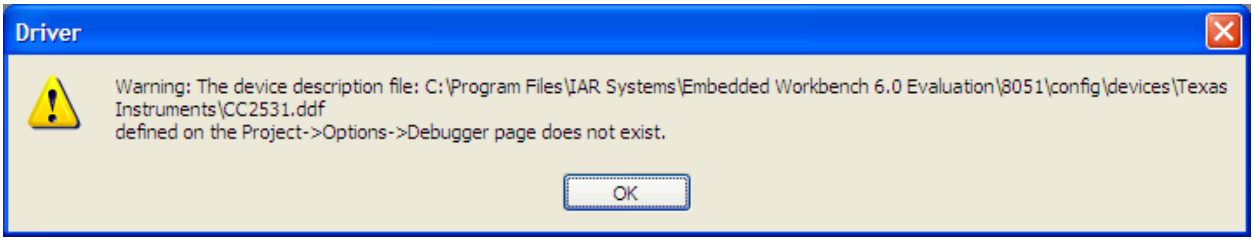
4.3.1 Building the Sample Application

Start the IAR workbench application, select '*File -> Open -> Workspace…*', browse to the *C:\Texas Instruments\RemoTI-CC2530DK-1.2\Projects\HidDongle\CC2531USB* directory and select the *hid_cc2531.eww* file. You should see the workspace as shown in Figure 6.

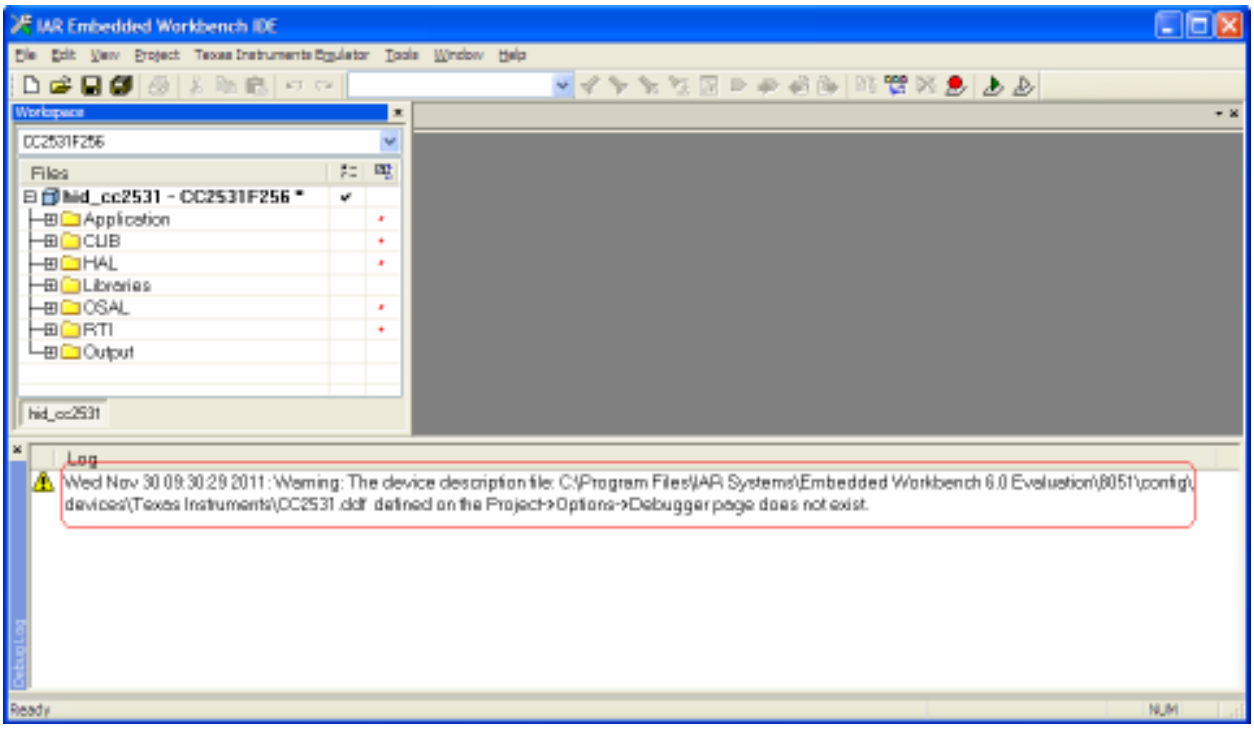
result:



then I clicked 'Yes' and warning message show.



The result after I clicked ‘OK’
button.



Next step

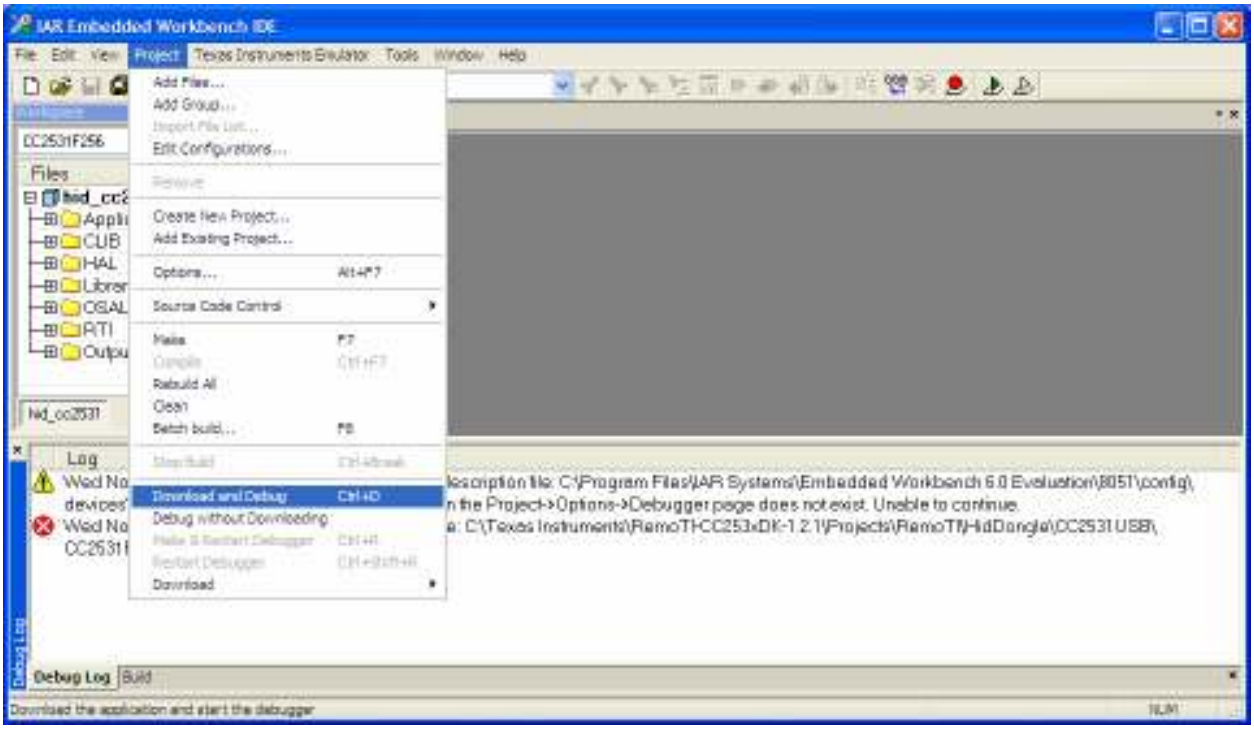
4.3.2 Programming the CC2531 USB dongle with IAR workbench

Connect the CC debugger to the CC2531 USB dongle. Instructions for connecting debug cable to the dongle are described in [8]. Instead of using SmartRF05EB board, CC debugger can be used in the same way as it is used for a RemoTI Target Board. Verify the LED on CC debugger is ‘green’ to indicate a successful connection. If not, press the ‘Reset’ button.

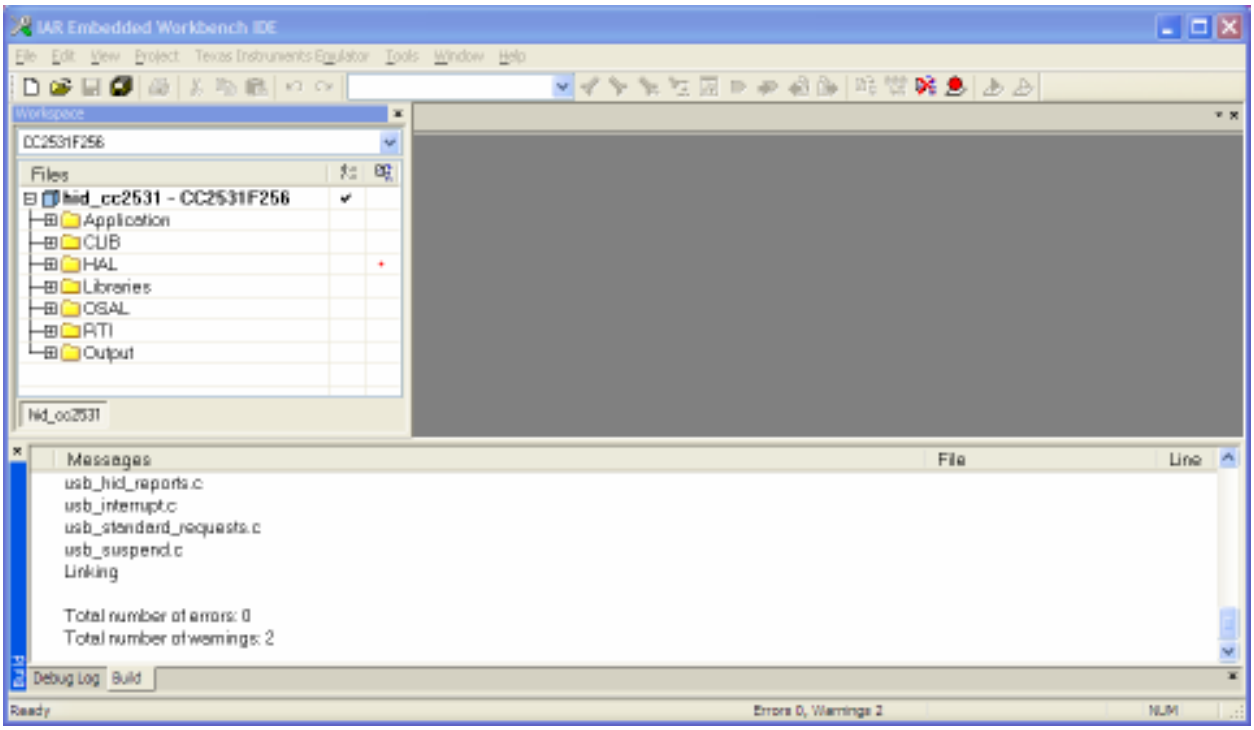
You can now program the target board by choosing ‘*Project -> Debug*’ from the IAR workbench. If you don’t want the debugger connected while executing, terminate the debug session:

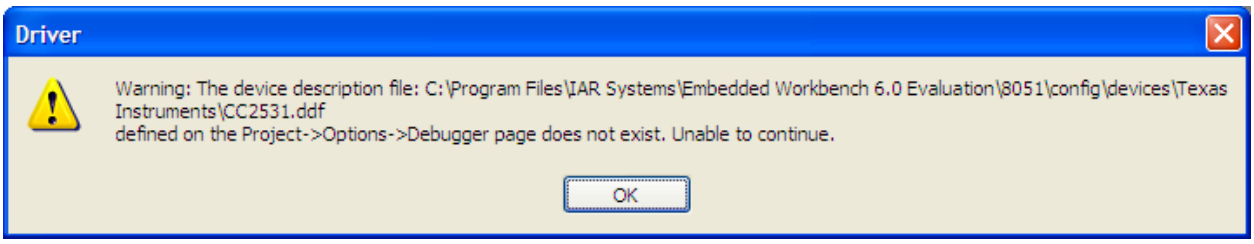
1. Clicking ‘*Debug->Stop Debugging*’ from IAR
2. Remove the flat ribbon cable from the target board

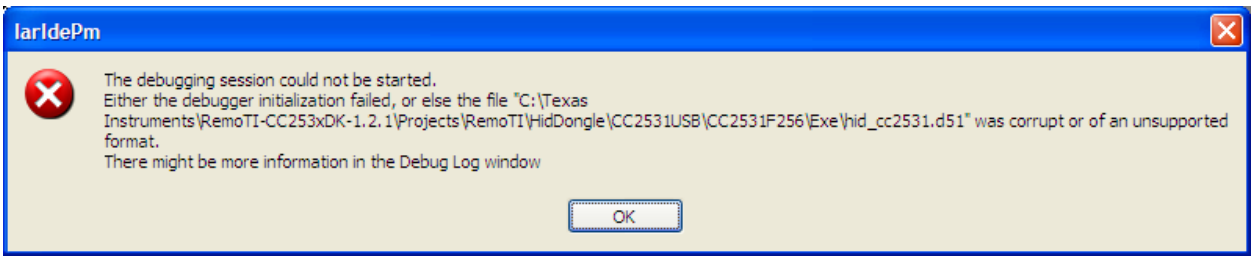
When I Chose

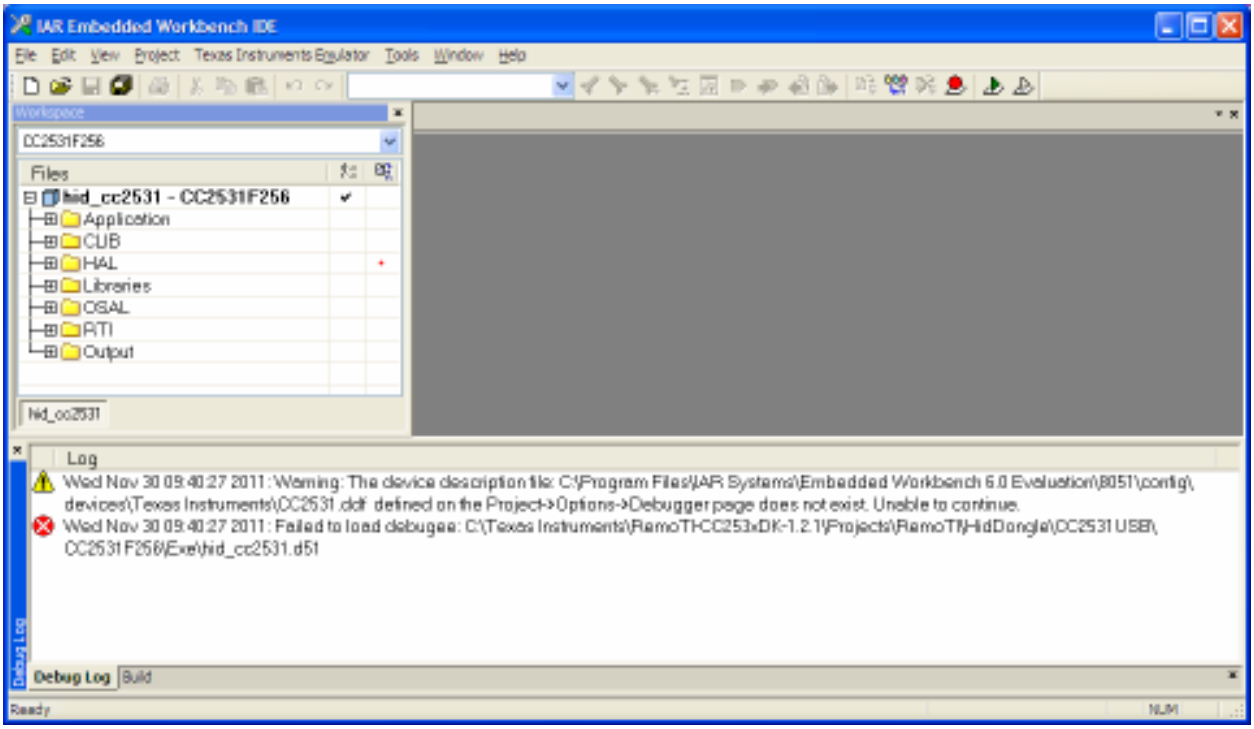


The results:

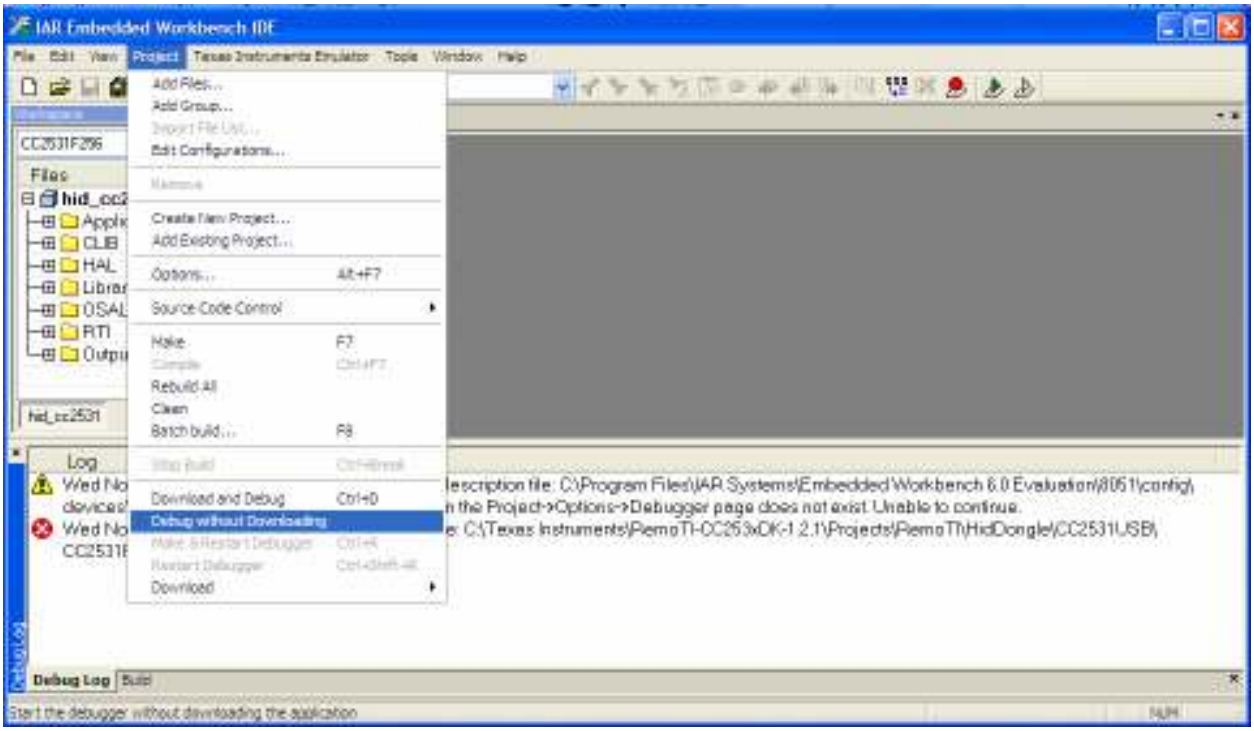



Driver
Warning: The device description file: C:\Program Files\IAR Systems\Embedded Workbench 6.0 Evaluation\8051\config\devices\Texas Instruments\CC2531.ddf
defined on the Project->Options->Debugger page does not exist. Unable to continue.
OK

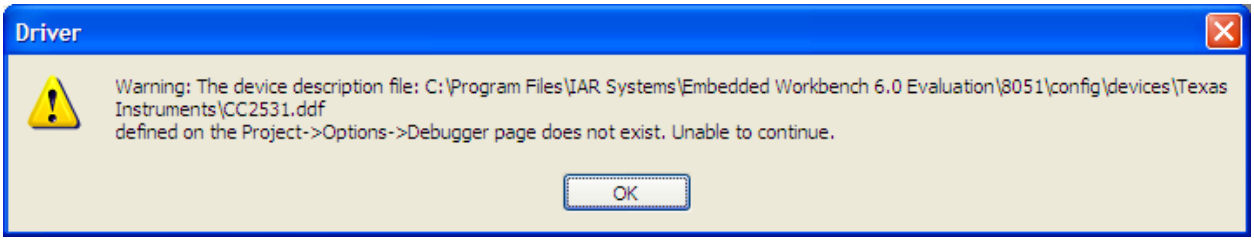

IarIdePm
The debugging session could not be started.
Either the debugger initialization failed, or else the file "C:\Texas Instruments\RemoTI-CC253xDK-1.2.1\Projects\RemoTI\HidDongle\CC2531USB\CC2531F256\Exe\hid_cc2531.d51" was corrupt or of an unsupported format.
There might be more information in the Debug Log window
OK

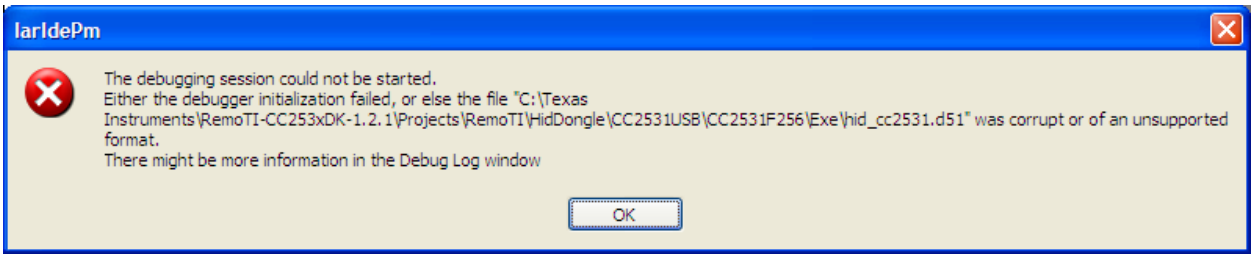

IAR Embedded Workbench IDE
File Edit View Project Texas Instruments Emulator Tools Window Help
Workspace
CC2531F256
Files
hid_cc2531 - CC2531F256
Application
CUB
HAL
Libraries
OSAL
RTI
Output
hid_cc2531
Log
Wed Nov 30 09:40:27 2011: Warning: The device description file: C:\Program Files\IAR Systems\Embedded Workbench 6.0 Evaluation\8051\config\devices\Texas Instruments\CC2531.ddf defined on the Project->Options->Debugger page does not exist. Unable to continue.
Wed Nov 30 09:40:27 2011: Failed to load debugee: C:\Texas Instruments\RemoTI\CC253xDK-1.2.1\Projects\RemoTI\HidDongle\CC2531USB\CC2531F256\Exe\hid_cc2531.d51
Debug Log
Debug Log Build
Ready
NUM

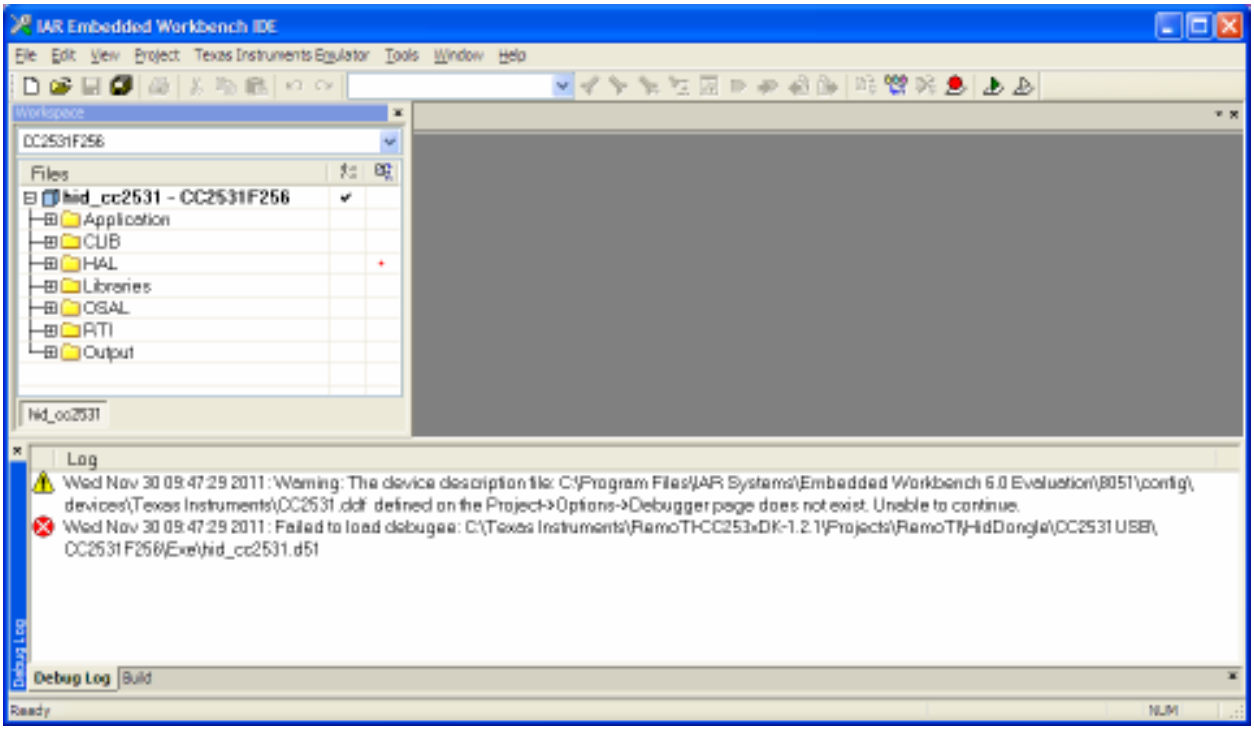
If I chose



The results:



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File Edit View Project Texas Instruments Emulator Tools Window Help
Workspace
CC2531F256
Files
hid_cc2531 - CC2531F256
Application
CUB
HAL
Libraries
OSAL
RTI
Output
hid_cc2531
Log
Wed Nov 30 09:47:29 2011: Warning: The device description file: C:\Program Files\IAR Systems\Embedded Workbench 6.0 Evaluation\8051\config\devices\Texas Instruments\CC2531.ddf defined on the Project->Options->Debugger page does not exist. Unable to continue.
Wed Nov 30 09:47:29 2011: Failed to load debugee: C:\Texas Instruments\RemoTI\CC253xDK-1.2.1\Projects\RemoTI\HidDongle\CC2531USB\CC2531F256\Exe\hid_cc2531.d51
Debug Log
Build
Debug Log
Ready
NUM