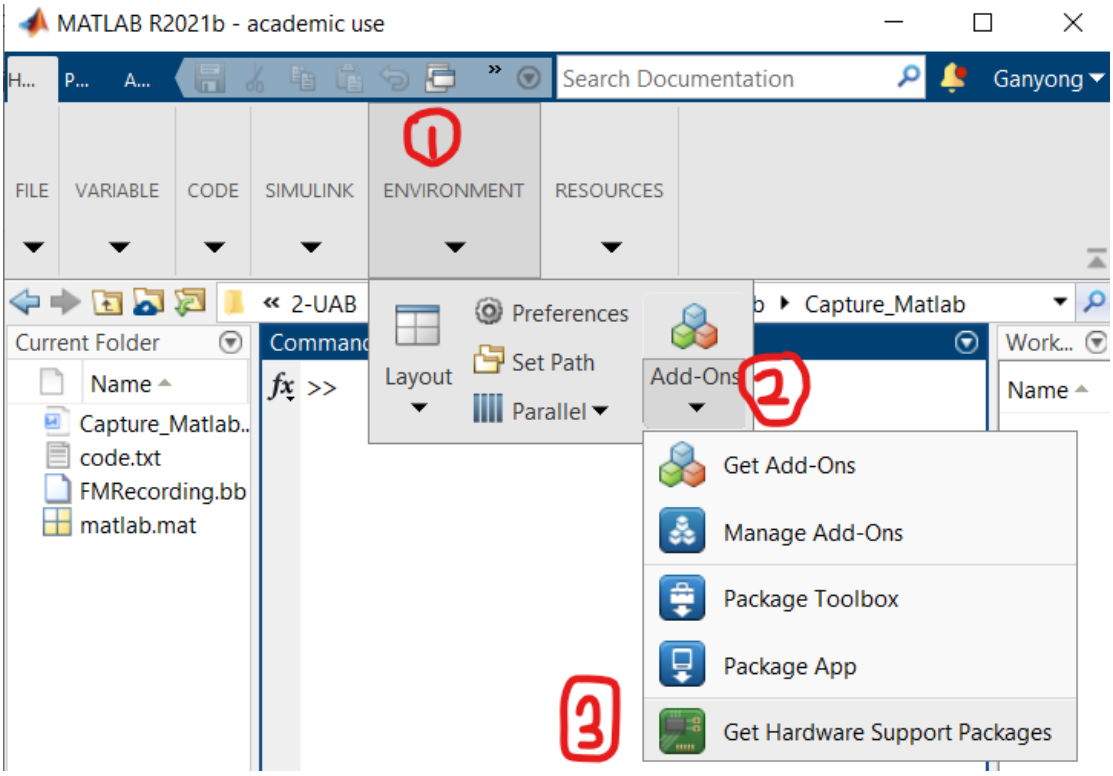
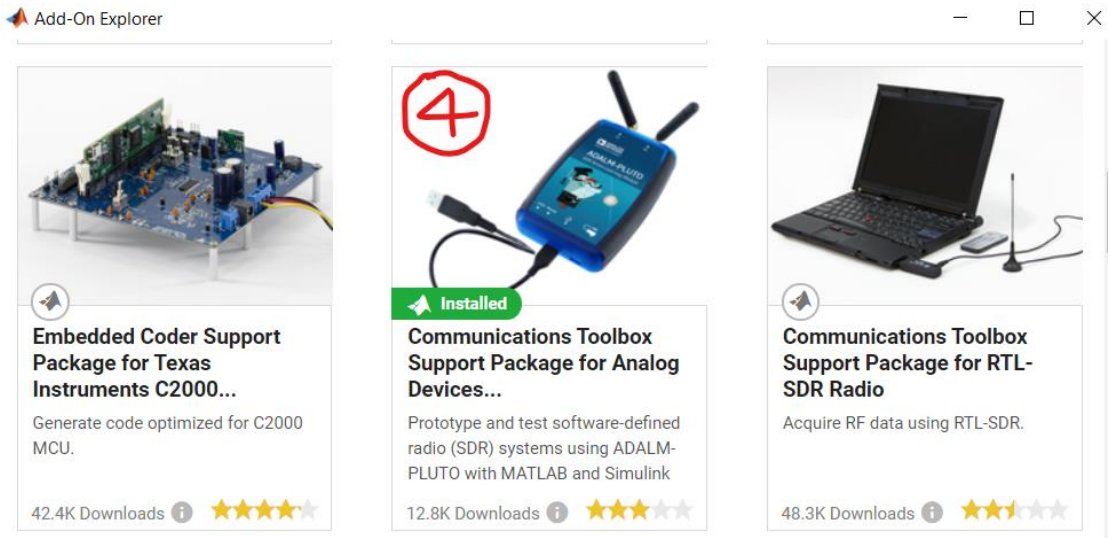
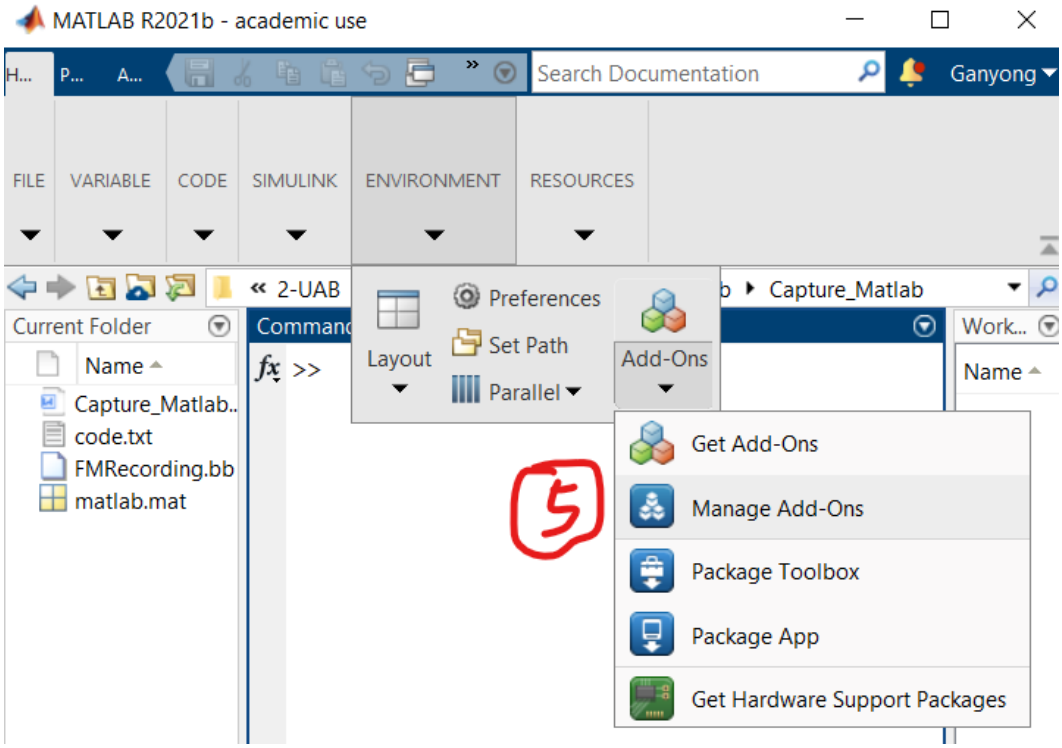
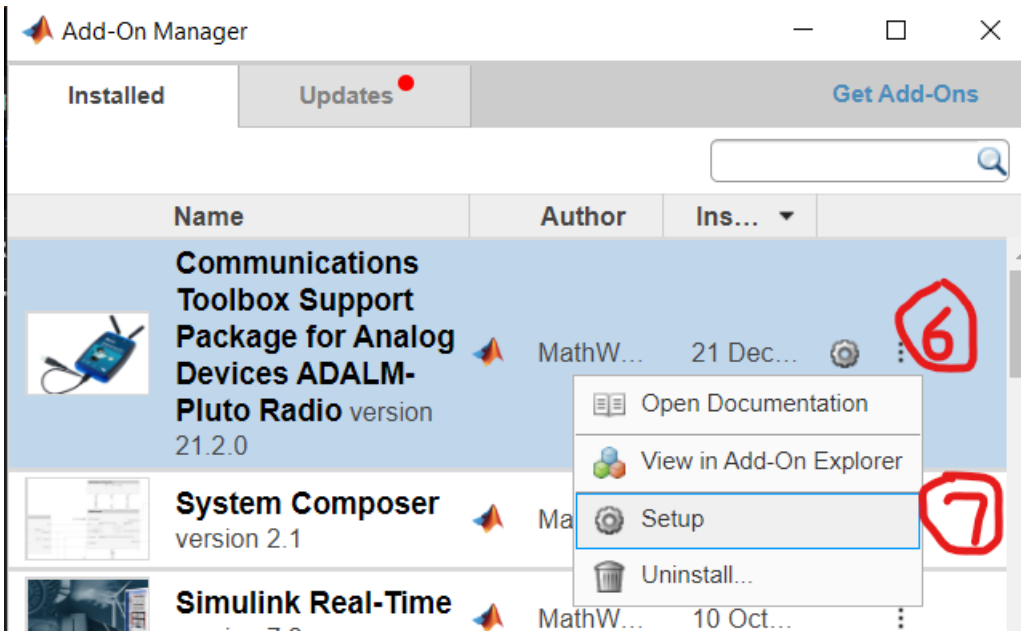
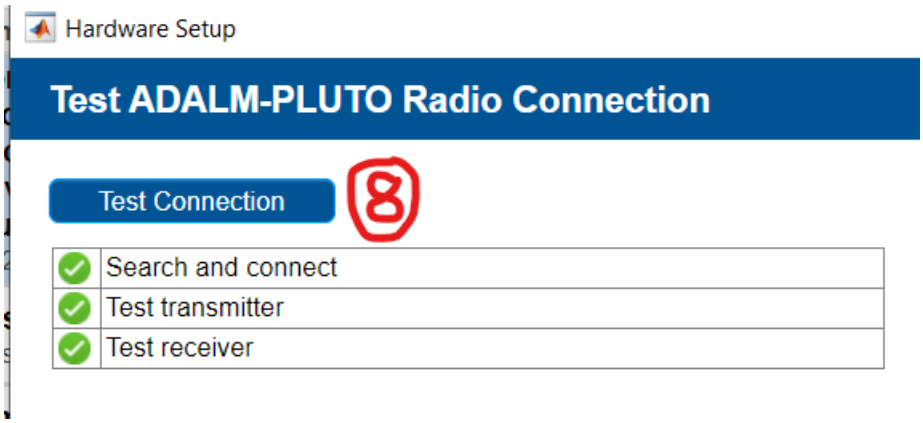
The process below shows how to setup the environment for Pluto device in Matlab.






MATLAB R2021b - academic use
Search Documentation
Ganyong
FILE
VARIABLE
CODE
SIMULINK
ENVIRONMENT
RESOURCES
Layout
Preferences
Set Path
Parallel
Add-Ons
Get Add-Ons
Manage Add-Ons
Package Toolbox
Package App
Get Hardware Support Packages
Current Folder
Name
Capture_Matlab..
code.txt
FMRecording.bb
matlab.mat
Capture_Matlab
5


Add-On Manager
Installed
Updates
Get Add-Ons
Name
Author
Ins...
Communications Toolbox Support Package for Analog Devices ADALM-Pluto Radio version 21.2.0
MathW...
21 Dec...
6
Open Documentation
View in Add-On Explorer
Setup
Uninstall...
7
System Composer
version 2.1
Simulink Real-Time
MathW...
10 Oct...



After finished the environment configuration, we can script the codes in the windows command of Matlab to capture the data packet, as showing below.

```
configurePlutoRadio('AD9364');

deviceName = 'Pluto';
samplerate = 13e6;
fmStationFrequency = 2.402e9;
rx = sdrrx(deviceName,'BasebandSampleRate',samplerate, ...
      'CenterFrequency',fmStationFrequency,'OutputDataType','double');

capture(rx,5,'Seconds','Filename','FMRecording.bb');
```

Finally, we are able to analyze the data with Jupyter Notebook.