```
>> OSA202C_TestCode

osa =

  LibDeviceInterface with properties:

          AutoStoreOptions: [1x1 ThorlabsOSAWrapper.AutomaticFileStoreOptions]
     InstrumentDescription: [1x1 ThorlabsOSAWrapper.DeviceProperties]
       AcquisitionSettings: [1x1 ThorlabsOSAWrapper.DeviceAcquisitionSettings]
             MotorRunning: 1
       IndexOfSpectrometer: 0

Connected to OSA
Setting Sensitivity Mode

ans =

  OperationResult with properties:

          Failure: 0
          Success: 1
     ErrorMessage: []
       ReturnCode: 0

Setting Resolution Mode

ans =

  OperationResult with properties:

          Failure: 0
          Success: 1
     ErrorMessage: []
       ReturnCode: 0

Setting Setting Auto Gain
Is auto gain on?: true
Acquiring Spectrum.

ans =

  OperationResult with properties:

          Failure: 0
          Success: 1
     ErrorMessage: []
       ReturnCode: 0

Specturm Acquired

ans =
```

```
   OperationResult with properties:

            Failure: 0
            Success: 1
       ErrorMessage: []
         ReturnCode: 0

Connection to OSA closed

Length of measuered data: 88077
   - If non-zero, data is probably present
Attempt to create SpectrumStruct
Error using OSA202C_TestCode (line 43)
Message: The namespace for the type 'spectrum_t*' does not exist. MATLAB requires all
NET types to
be within a namespace.
Source: dotnetcli
HelpLink:

>> disp('Try Other stuff')
osa.GetLastSpectrum()   % call without provided struct
Try Other stuff
No method 'GetLastSpectrum' with matching signature found for class
'ThorlabsOSAWrapper.LibDeviceInterface'.

>> osa.GetLastSpectrum(ThorlabsOSAWrapper.SpectrumStruct(osa.GetLastSpectrumLength()))%
creat struct in-line
Message: The namespace for the type 'spectrum_t*' does not exist. MATLAB requires all
NET types to
be within a namespace.
Source: dotnetcli
HelpLink:

>> asm2 = NET.addAssembly('C\Program Files\Thorlabs\Thorlabs OSA\FTSLib.dll);
Message: The given assembly name or codebase was invalid. (Exception from HRESULT
0x80131047)
Source: mscorlib
HelpLink:

>>
```