

Keysight M8000 Series of BER Test Solutions

Plugins for M8070B System Software

Getting Started
Guide

Notices

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This chapter describes how to install, uninstall, update and launch the M8070B supported plugins using the **Plugin Manager**.

Introduction

A plugin is a piece of software application that acts as an add-on to the main software and enhances its capability. A plugin enables the software to host additional functionality without undergoing a major modification or enhancement. A plugin is not a permanent part of the software, hence can be installed, uninstalled and updated as and when required.

The M8070B system software for the M8000 Series of BER Test Solutions supports plugins. Thus, the present capabilities of M8070B can be further enhanced by simply installing the required plugins.

The M8070B software comes with a **Plugin Manager** to simplify all the tasks related to plugin management. For details, see [Plugin Manager](#) on page 7.

Prerequisites for Plugins Installation

- M8070B software version.
- Plugin file which can be downloaded from [Keysight web page](#).
- Plugin license (if required). For details on the required licenses and their accessibility, please refer to the respective plugin's *User Guide*.

License Information

The plugins can be freeware or licensed. For the plugins which require a license to operate, you need to install the plugin license in the M8070B software. For details on the licenses and their accessibility, please refer to the respective plugin's *User Guide*.

Locate Documentation

After installing the M8070B software, you will find the required documentation from the **Start** menu. Select **Keysight M8070B** > **Keysight M8070B Documentation**.

For plugins related documents, navigate to **C:\Program Files\Keysight\M8070B\Plugins*plugin_foldername*\doc**

where *plugin_foldername* is the name of the folder corresponding to the plugin of interest. For example, you must navigate to C:\Program Files\Keysight\M8070B\Plugins\M8070B_IEEE_TxEqTraining\doc to access the *Keysight IEEE MultiGBASE-KR TX EQ Training User Guide*.

You can also visit www.keysight.com/find/m8000 to find the latest versions of related manuals.

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Plugin Manager

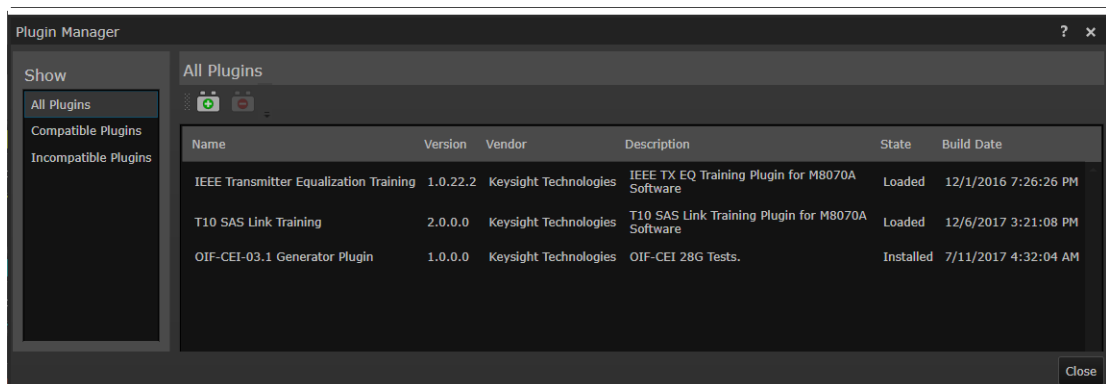
The **Plugin Manager** simplifies all the tasks related to plugin management. It displays a list of plugins that are installed in the software. For each plugin, it displays the information such as Name, Version, Vendor, Description, State and Build Date. In addition, the **Plugin Manager** also allows you to install, uninstall and upgrade the plugins.

NOTE

You cannot install, upgrade, or uninstall the M8085A Plugins for MIPI Receiver Test Solutions using Plugin Manager. For information on how to install these plugins, refer to [Installing M8085A Plugins for MIPI Receiver Test Solutions](#) on page 13.

Uninstall these plugins from Control Panel.

To launch **Plugin Manager**, open the M8070B user interface and then go to the menu bar. Select **Utilities** and then **Plugin Manager**. The **Plugin Manager** window appears as shown in the following figure:



The **Plugin Manager** window displays two types of plugins:

- **Compatible Plugins** – plugins which are compatible with the current version of software.
- **Incompatible Plugins** – plugins which are not compatible with the current version of software.

The **Plugin Manager** window displays the following information of each plugin:

- **Name** – Name of the plugin
- **Version** – Version number of the plugin
- **Vendor** – Vendor/publisher of the plugin
- **Description** – Brief description of the plugin
- **State** – State of the plugin. For details on different plugin states, see [Plugin States](#) on page 8.
- **Build Date** – Build date of the plugin

Plugin States


There can be the following plugin states:

- **Installed** – When the plugin is installed but the M8070B software is not restarted. In this case, the installed plugin is not loaded or it cannot be used. You have to restart the M8070B software in order to load the plugin.
- **Loaded** – When the plugin is installed and the M8070B software has been restarted. In this case, the installed plugin is ready to be used. Remember, you have to restart the M8070B software in order to load the plugin.
- **Not Loaded** – When the plugin is installed but failed to load. In this case, the installed plugin cannot be used.
- **Version Incompatible** – When the version of the installed plugin is not compatible with the current version of M8070B software.

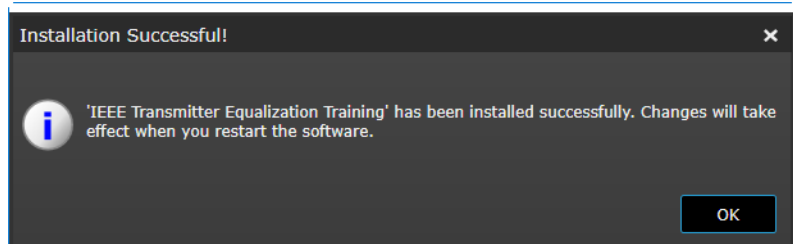
How to Install a Plugin

The **Plugin Manager** window enables you to install a plugin.

To do so, perform the following steps:

- 1 Download the required plugin file from the [Keysight web page](#).
- 2 Click the  **Install plugin from file** icon. A standard Window's **Open** dialog appears.
- 3 Locate the plugin file (*.M8KP) you want to install and click **Open**.

- On the successful installation of plugin, a message similar to the following appears:



- Restart the software. Once you restart the software, the plugin state will change to **Loaded**. See [Plugin States](#) on page 8.


NOTE

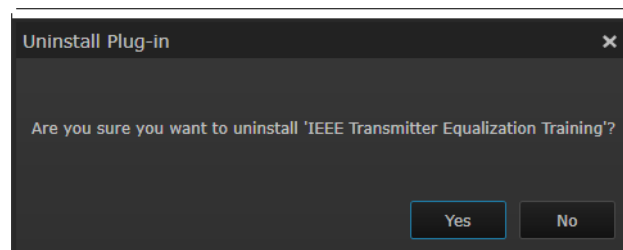
Ensure to restart the M8070B software for the changes to take effect.

How to Uninstall a Plugin

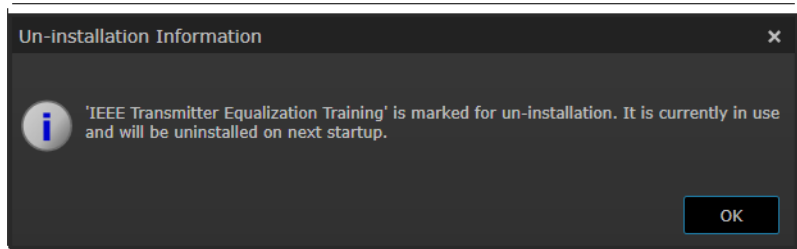
The **Plugin Manager** window enables you to uninstall a plugin.

To do so, perform the following steps:

- Select the plugin from the list.
- Click on the  **Uninstall selected plugin** icon or right-click on the selected plugin and select **Uninstall Plugin**. The **Uninstall Plugin** dialog appears.



- Click **Yes**. If the state of plugin is **Installed**, then it will be immediately uninstalled from the software.
- However, if the plugin is currently in use (**Loaded or Not Loaded**), then you will receive the following message.




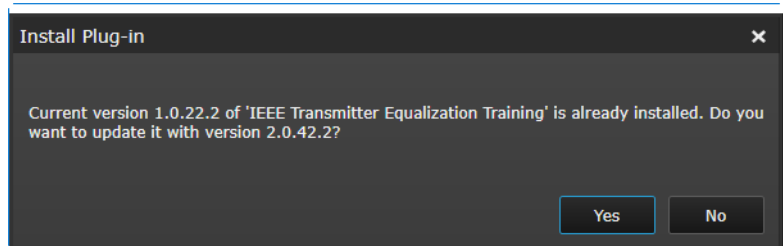
- 5 Restart the M8070B software. The plugin will be uninstalled on software startup.

How to Update a Plugin

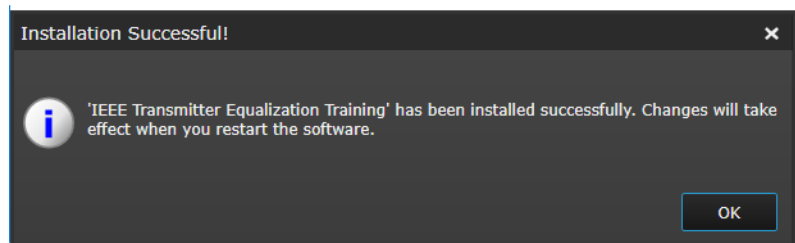
The **Plugin Manager** window also enables you to update an already installed plugin.

Perform the following steps to update the plugin with its higher version:

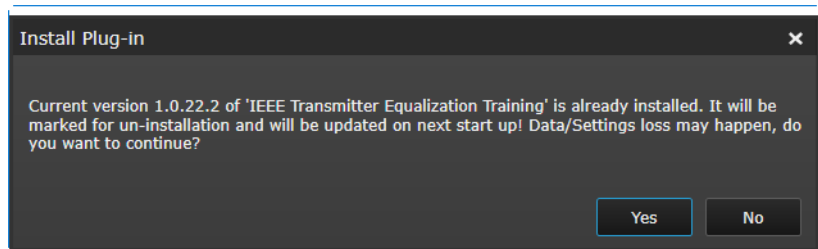
- 1 Download the latest plugin file from [Keysight web page](#).
- 2 Click the  **Install plugin from file** icon. A standard Window's **Open** dialog appears.
- 3 Locate the plugin file (*.M8KP) you want to update and click **Open**. You will see the following message:



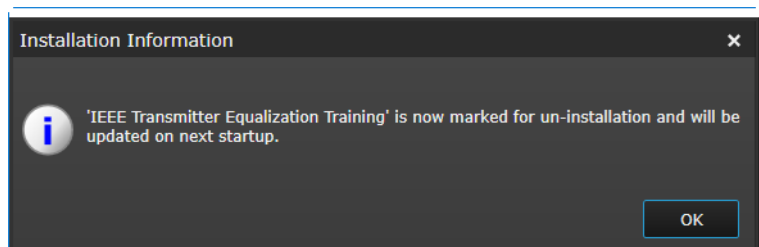
- 4 Click **Yes**. If the state of plugin is **Installed**, then it will be immediately updated and the following message will appear:



- 5 However, if the plugin is currently in use (**Loaded or Not Loaded**), then you will receive the following message.



- 6 Click **Yes**. The following message will appear:

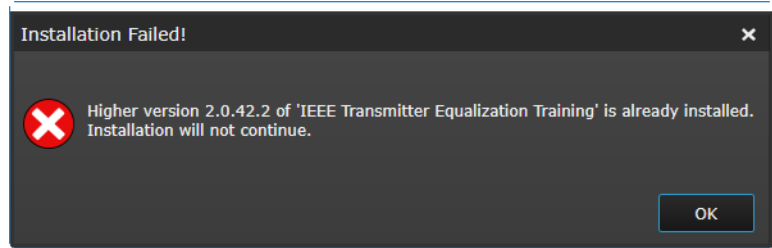


- 7 Click **OK**. The selected plugin will be uninstalled from the software. You can now install the new version of that plugin. For installation procedure, see [How to Install a Plugin](#) on page 8.

NOTE

Ensure to restart the M8070B software for the changes to take effect.

The **Plugin Manager** window does not directly allow you to update an installed plugin with previous (lower) version. If you try to do so it will give the following error message:



In this case, you have to uninstall the plugin and then install the previous (lower) version of that plugin again.

How to Access an Installed Plugin Through M8070B User Interface

Perform the following steps to access an installed plugin through M8070B user interface:

- 1 Launch M8070B software user interface.
- 2 In the M8070B user interface, go to the Menu Bar and then click the **Application** menu. It will list all the installed plugins.
- 3 Select the plugin.
- 4 The plugin user interface appears in the M8070B software.

For complete details on how to operate the plugin user interface, refer to the respective plugin's *User Guide*.

Installing M8085A Plugins for MIPI Receiver Test Solutions

Getting Started Guide

2 Installing M8085A Plugins for MIPI Receiver Test Solutions

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This chapter describes the requirements and steps for the installation of M8085A Plugins for MIPI Receiver Test Solutions. Plugins other than the M8085A plugins are installed, updated, and uninstalled using **Plugin Manager**. The previous chapter describes the procedures for plugins other than the M8085A plugins.

Introduction

The M8085A Plugins for MIPI Receiver Test Solutions must be installed separately on top of the M8070B software. The installation procedure for the M8085A Plugins for MIPI Receiver Test Solutions is different from the other plugins. After successful installation, you will be able to access the following plugins:

- MIPI C-PHY and D-PHY Editor plugins—Enable you to set the DUT and test configuration.
- MIPI C-PHY and D-PHY CTS plugins—Support the MIPI C-PHY and MIPI D-PHY signal generator configurations for single and multi-lane testing with the Test Automation Software.

Prerequisites for Plugins Installation

The following are the prerequisites for installing Keysight M8085A Plugins for MIPI Receiver Test Solutions:

- M8070B software.
- Installer for M8085A Plugins, which can be downloaded from [Keysight website](#).
- Plugin licenses. For details on the required licenses and their accessibility, please refer to the respective plugin's *User Guide*.

How to Install M8085A Plugins

Perform the following steps to install Keysight M8085A Plugins for MIPI Receiver Test Solutions on your system.

- 1 Double-click the installer file. This installer file can be downloaded from [Keysight website](#). The following window is displayed.

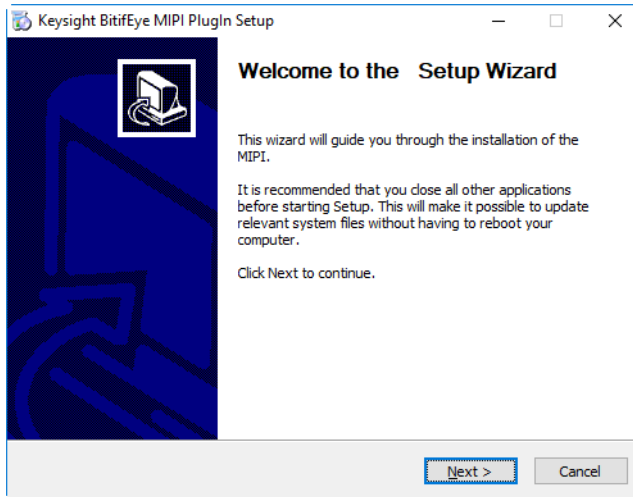


Figure 1 MIPI Plugin Setup Wizard

- 2 Click **Next**. The License Agreement of the MIPI plugin setup is displayed as shown in the following figure.

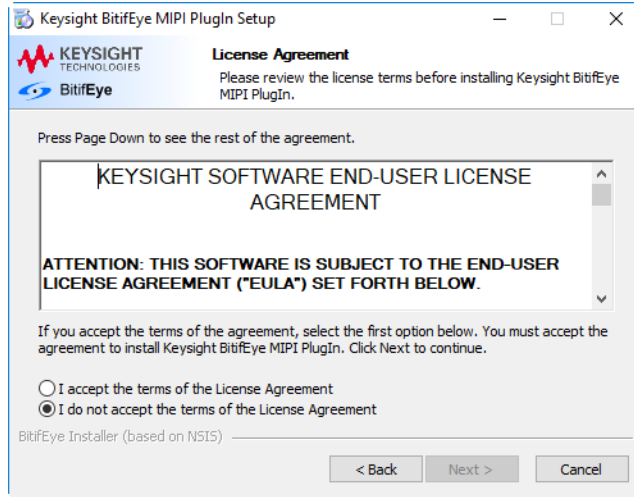


Figure 2 MIPI Plugin Setup License Agreement window

- 3 Read all the terms and conditions of the **License Agreement** carefully.
- 4 Select **I accept the terms of the License Agreement**.
- 5 Click **Next**. The following window is displayed.

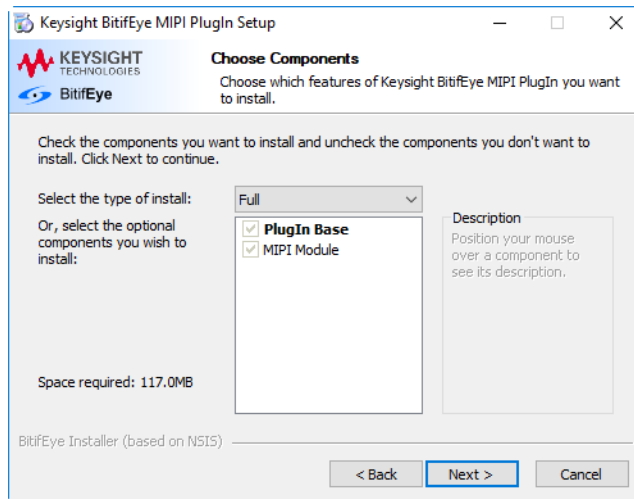


Figure 3 MIPI PlugIn Setup select components window

- 6 Select the type of installation (**Full** or **Custom**).
- 7 Click **Next**. The following window is displayed.

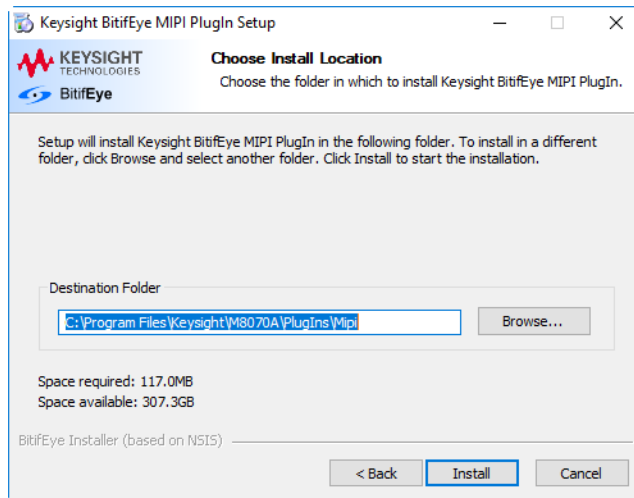


Figure 4 MIPI PlugIn Setup - select install location window

- 8 Click **Browse** to select the destination folder where the software must be installed.

9 Click **Install**. The following window is displayed.

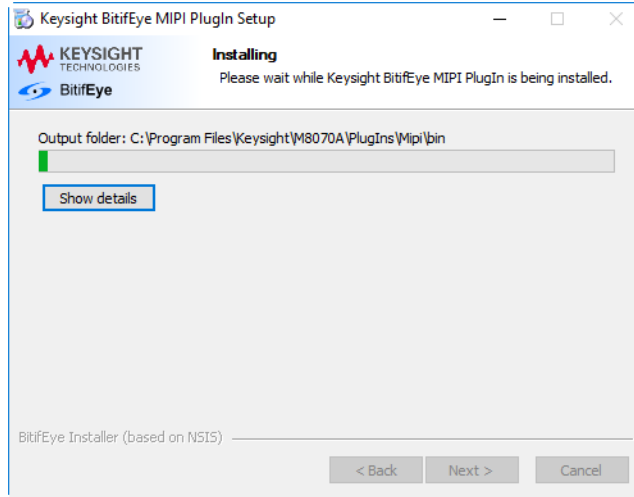


Figure 5 MIPI Plugin Setup installation status window

10 Once the installation is complete, click **Next**. The following window is displayed.

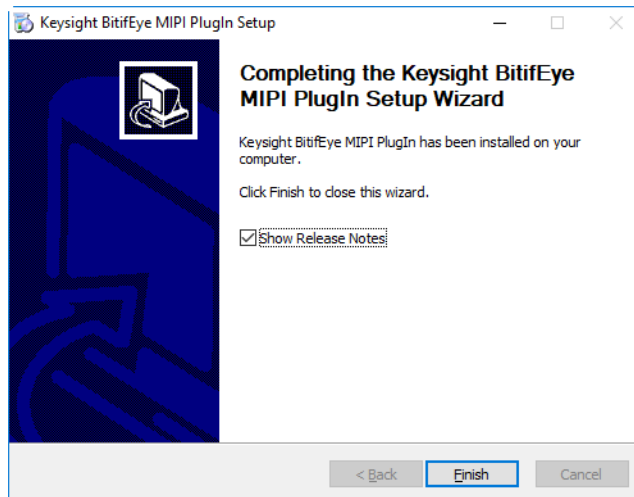


Figure 6 M8085A Plugins installation completion window

- 11 Click **Finish** to complete the installation of Keysight M8085A Plugins for MIPI Receiver Test Solutions.
- 12 Restart the M8070B software.

Accessing the Plugins for MIPI Receiver Test Solutions Through M8070B User Interface

Perform the following steps to access an installed plugin through M8070B user interface:

- 1 Launch M8070B software user interface.
- 2 From the **Application** menu, select one of the following plugins:

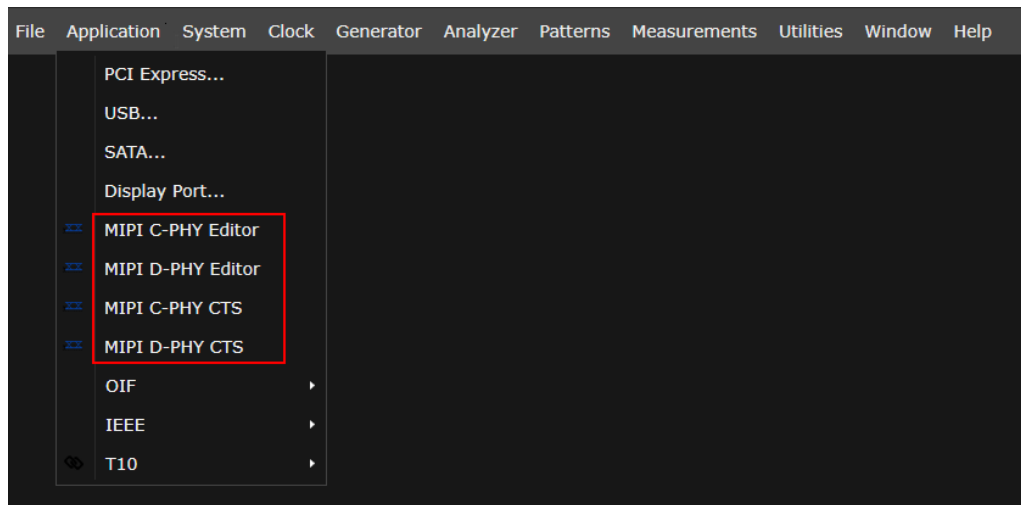


Figure 7 Selecting M8085A Plugin from the Application menu

- MIPI C-PHY Editor Plugin: The default user interface is displayed as shown below.

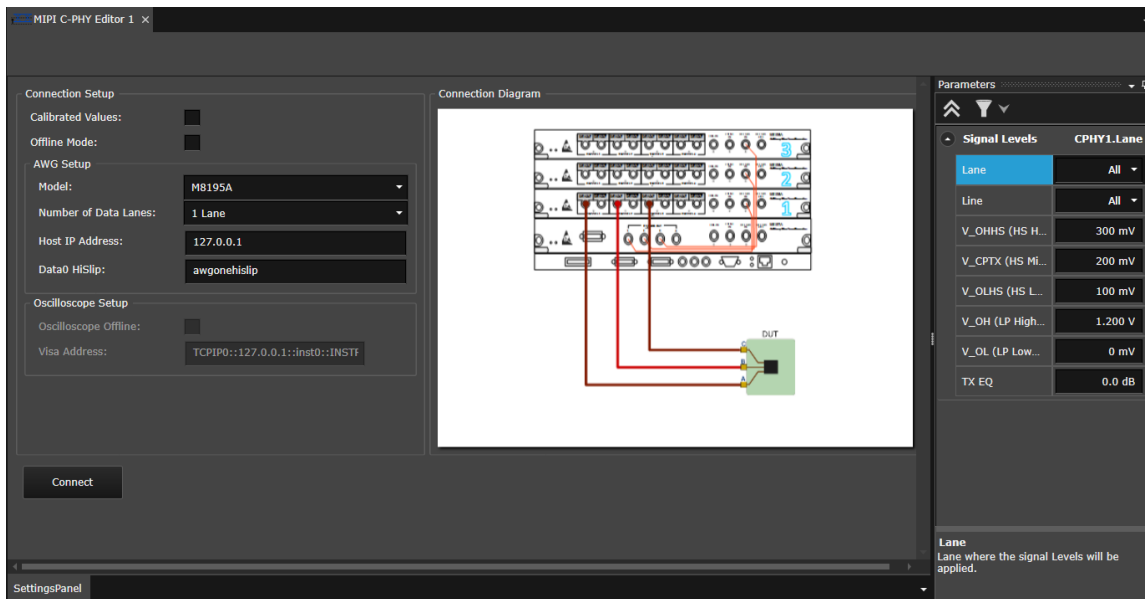


Figure 8 MIPI C-PHY Editor User Interface

- MIPI D-PHY Editor Plugin: The default user interface is displayed as shown below.

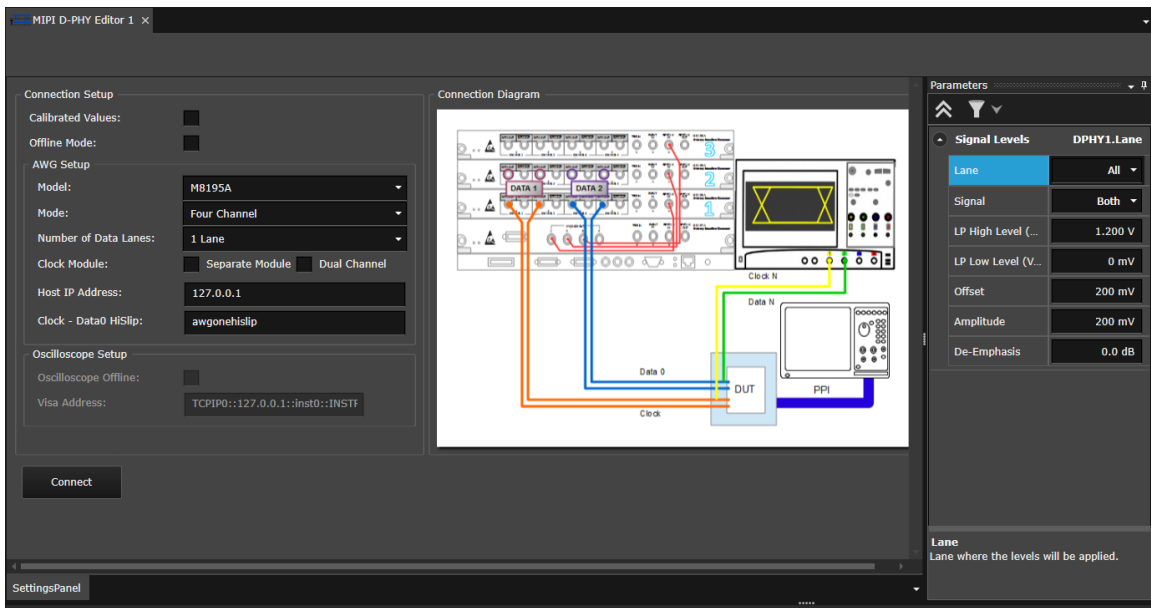


Figure 9 MIPI D-PHY Editor Plugin User Interface

- MIPI C-PHY CTS Plugin: The default user interface is displayed as shown below.

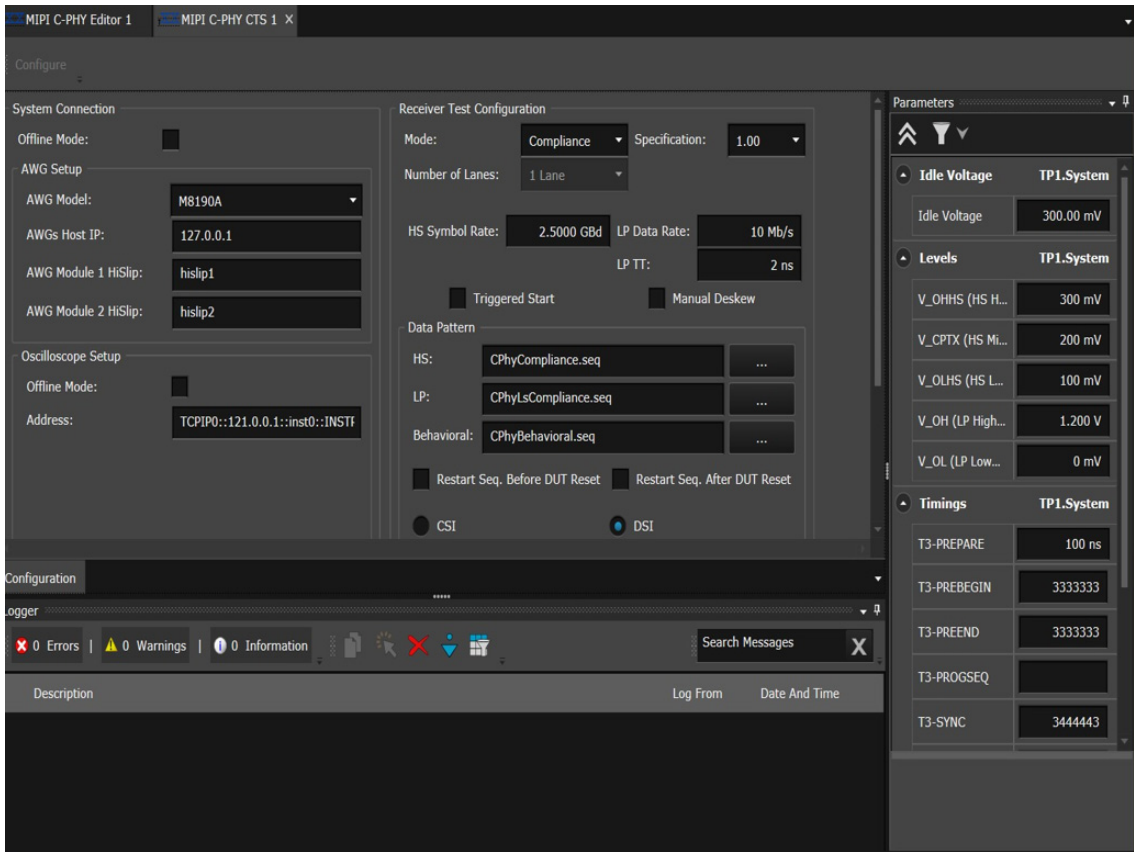


Figure 10 MIPI C-PHY CTS User Interface

- MIPI D-PHY CTS Plugin: The default user interface is displayed as shown below.

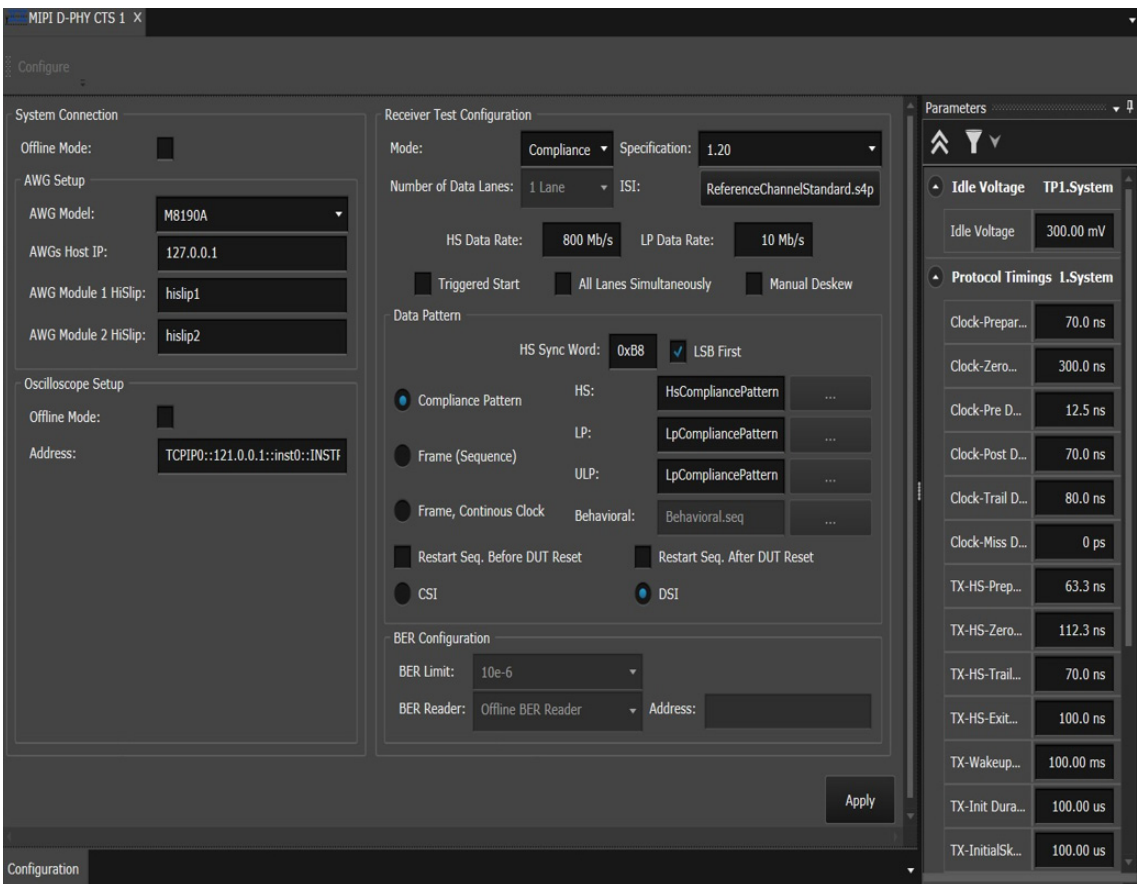


Figure 11 MIPI D-PHY CTS Plugin User Interface

For complete details on how to operate the MIPI D-PHY Editor Plugin user interface, refer to the *MIPI D-PHY Editor User Guide*.

For complete details on how to operate the MIPI D-PHY CTS Plugin user interface, refer to the *MIPI D-PHY Receiver Test Configuration User Guide*.

For complete details on how to operate the MIPI C-PHY Editor Plugin user interface, refer to the *MIPI C-PHY Editor User Guide*.

For complete details on how to operate the MIPI C-PHY CTS Plugin user interface, refer to the *MIPI C-PHY Receiver Test Configuration User Guide*.

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