

GRL Platform Solutions

Qi Wireless Power Test Suite Launcher Application User Guide

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1 Scope of this User Guide

This User Guide provides detailed information on the installation, usage, features, support and feedback mechanisms of the GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application. This application facilitates launching and managing the GRL Platform Solutions Qi Wireless Power Test Suite tools used in validating wireless charging solutions. The application simplifies access to different GRL Platform Solutions test modules, managing test tool configurations and executions under a unified interface.

1.1 Core Features of GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application

- Centralized launcher for all Qi wireless power test suites
- Support for version tracking and configuration
- Integration with existing GRL Platform Solutions test environments

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2 Getting Started with GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application

This section describes how to get started with the GRL Platform Solutions Qi Wireless Power Test Suite Launcher application. Whether you are installing the application for the first time or doing an upgrade, make sure to follow the steps below:

1. Install the latest version of the Qi Wireless Power Test Suite Launcher application on the host computer (laptop or desktop) connected to the GRL-C3-MP-TPR/GRL-C3-TPT/GRL-C3-TPR tester hardware.
2. Ensure that the host computer supports the following system requirements for the Qi Wireless Power Test Suite Launcher application to run properly. Make sure to clear the browser cache before launching the application.

2.1 System Requirements

Component	Minimum Requirement
System Memory	8 GB and above
Storage	50 GB of available disk space
Operating System	Windows 10 & 11
.NET Runtime	.NET 4.0 or higher
Display	Minimum resolution: 720p

If the above procedure is followed and any issues arise, please contact support@grlps.com.

2.2 Install GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application

1. Download the Qi Wireless Power Test Suite Launcher application from the link https://www.grlps.com/en-us/download-center
2. Run the .msi installer by double-clicking the file (*Qi Wireless Power Test Suite Launcher Release*) and then click on the 'Next' button.

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Figure 1. Start GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application Installation

3. Read and accept the license agreement by clicking on the 'I accept the terms in the License Agreement' checkbox and then click on the 'Next' button.

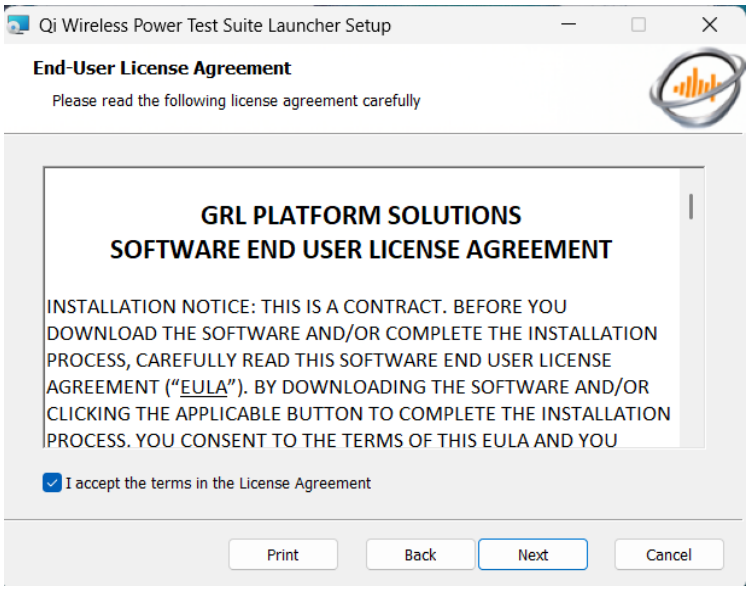


Figure 2. Accept GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application License Agreement

4. If required, select from the available options to install the features and then click on the 'Next' button.

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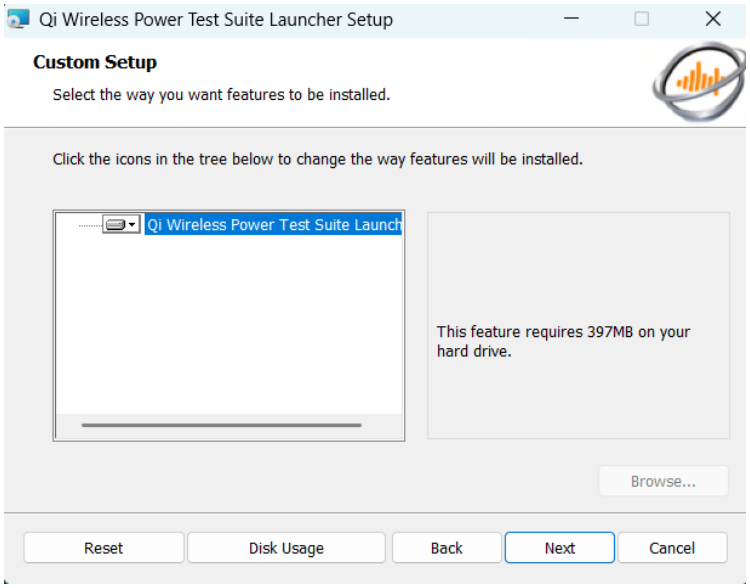


Figure 3. Select Options to Install Features If Required

5. Click on the 'Install' button to proceed with the installation. If any change to the previous installation settings is required, click on the 'Back' button.

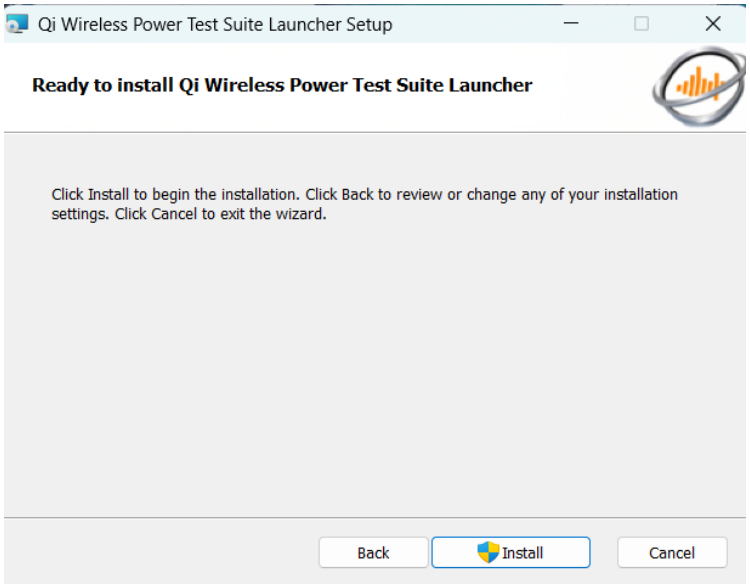


Figure 4. Start GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application Installation

6. The application installation will then proceed.

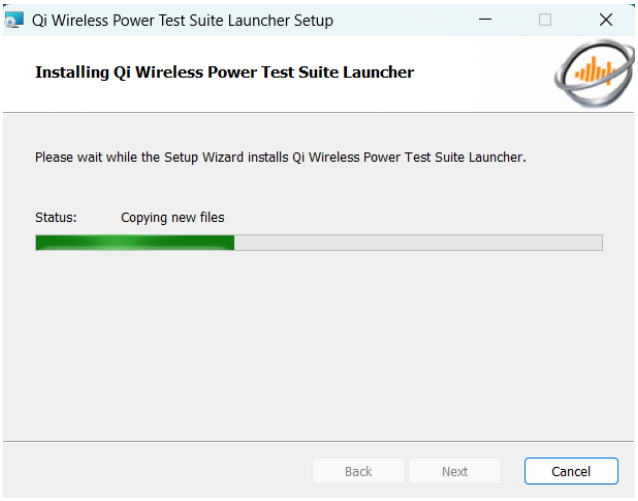


Figure 5. GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application Installation in Progress

7. Upon completion, click on the 'Next' button and then followed by the 'Finish' button.

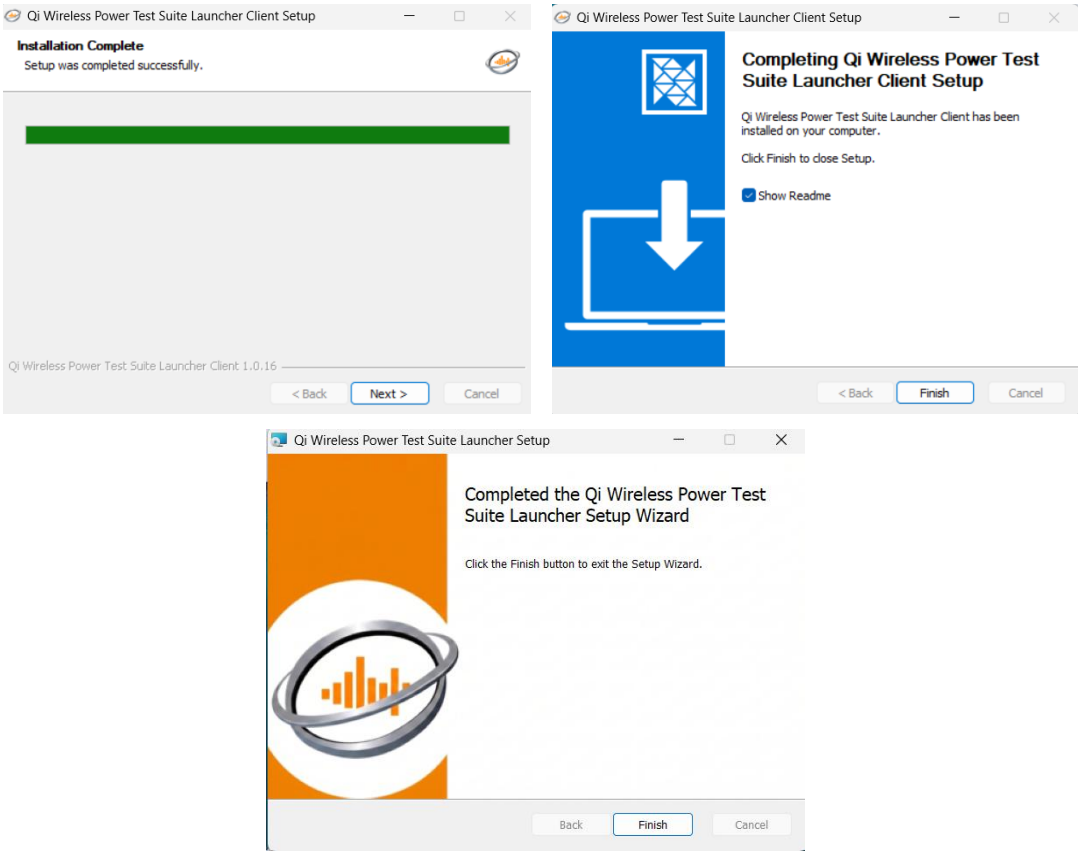


Figure 6. GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application Installation Completed

8. The GRL Platform Solutions Qi Wireless Power Test Suite Launcher application is now ready for use.

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3 Start Up and Navigate GRL Platform Solutions Qi Wireless Power Test Suite Launcher Application

1. Once installed, you can directly open the Qi Wireless Power Test Suite Launcher application using the “**Qi Wireless Power Test Suite Launcher**” desktop shortcut 

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   This will initiate the application server to run backend operations before launching the Qi Wireless Power Test Suite Launcher application.

   Note: Do not close this window except when you need to exit from the Qi Wireless Power Test Suite Launcher application.

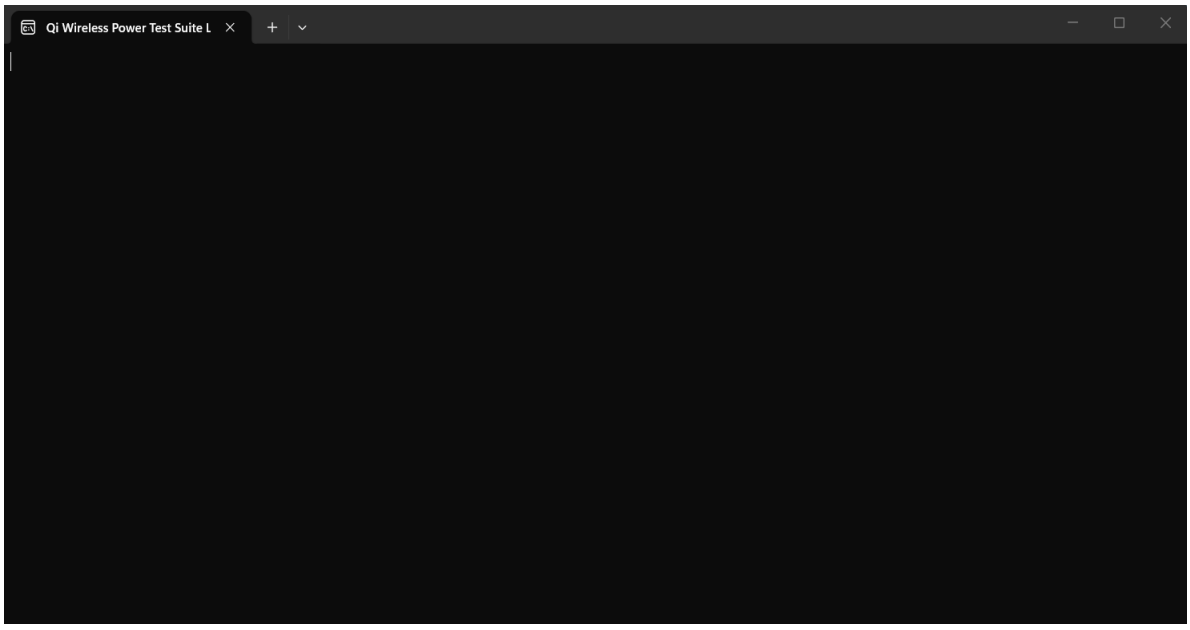


Figure 7. Application Server Screen Running Backend Operations

2. The Qi Wireless Power Test Suite Launcher application should launch after a few seconds and display the following landing screen:

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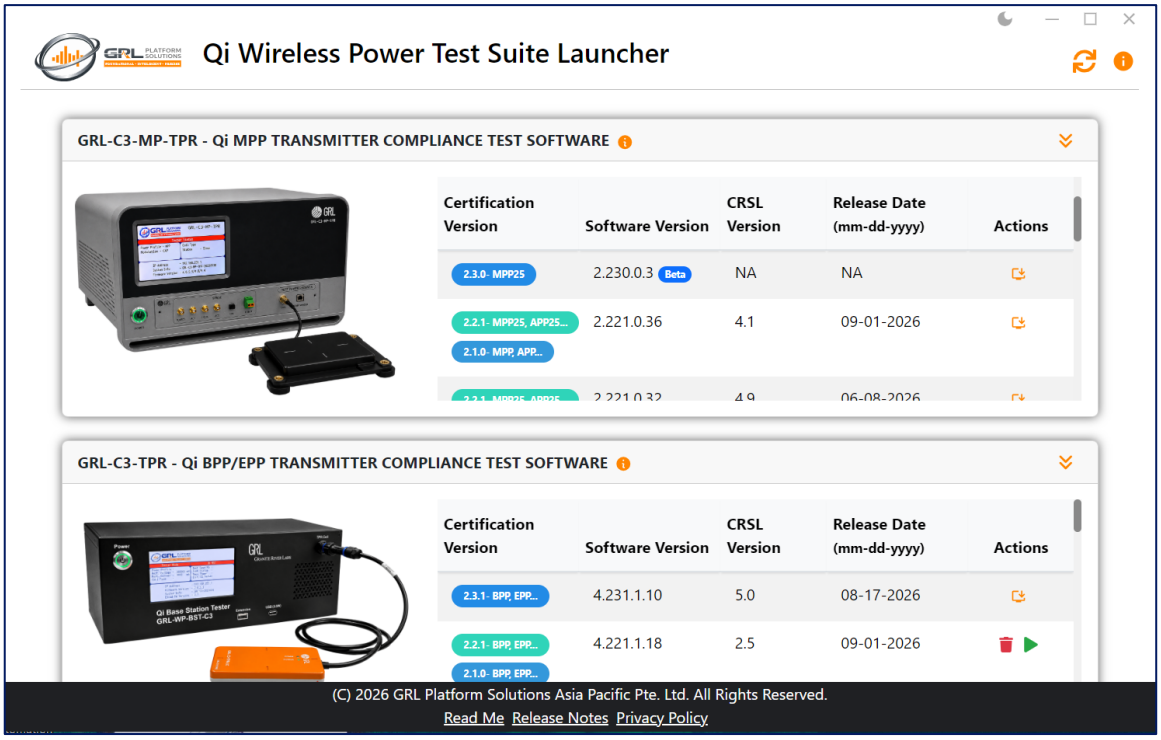


Figure 8. Qi Wireless Power Test Suite Launcher Landing Screen

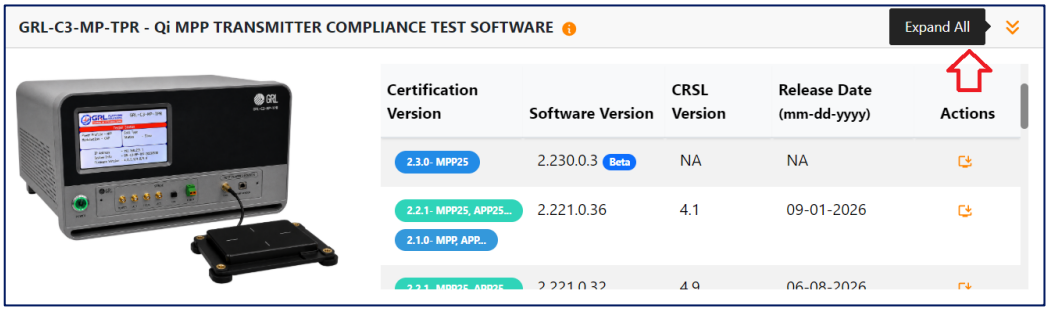
The landing screen allows you to access the list of the Approved GRL Platform Solutions Compliance Test software for all Qi Power Profiles:

- C3 BPP/EPP -TPR
- C3 MPP -TPR
- C3 BPP/EPP/MPP -TPT

The central dashboard displays available modules of the GRL Platform Solutions Qi compliance test software and their statuses. Icons and buttons provide access to launch modules, check logs and update software.

Details of each GRL Platform Solutions Qi compliance test software are shown such as certification versions, application versions, CRSL versions, release dates and installation buttons. CRSL allows you to view all approved software of GRL Platform Solutions in a single application and install the test suite as required.

You can use the 'Expand All' button to access full details of each GRL Platform Solutions Qi compliance test software as indicated below:



3.1 Install GRL Platform Solutions Qi Compliance Test Software

1. Select any of the following GRL Platform Solutions Qi compliance test software available on the Qi Wireless Power Test Suite Launcher:
   - GRL-C3-MP-TPR — Qi MPP Transmitter Compliance Test Software
   - GRL-C3-TPR — Qi BPP/EPP Transmitter Compliance Test Software
   - GRL-C3-TPT — Qi BPP/EPP/MPP Receiver Compliance Test Software
2. Select the desired software version and click on the installation button as indicated below:

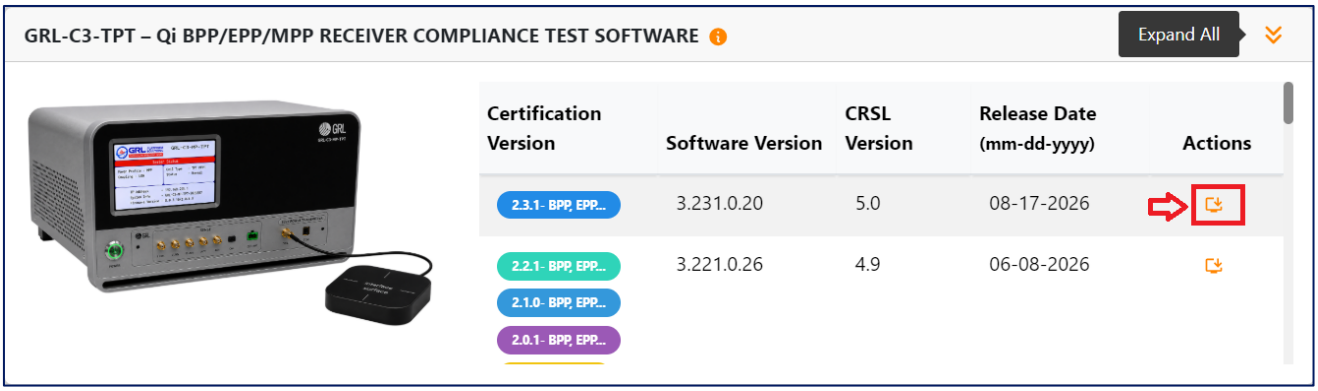


Figure 9. Install Selected GRL Platform Solutions Qi Compliance Test Software

3. This will initiate installation of the selected software as shown in the example below. Click on the 'Next' button to proceed.



Figure 10. Start GRL-C3-TPT Software Installation

4. Read and accept the license agreement by clicking on the 'I Agree' button.

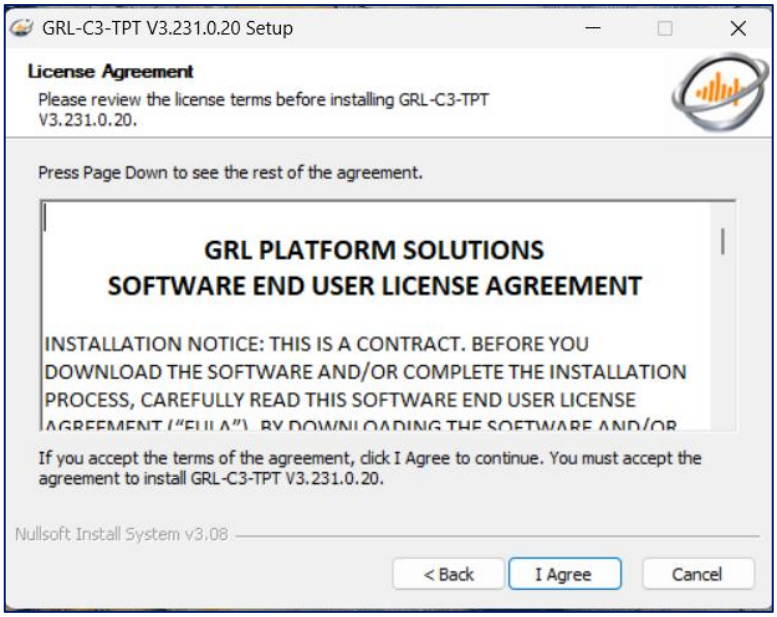


Figure 11. Accept GRL-C3-TPT Software License Agreement

5. The software installation will then proceed.

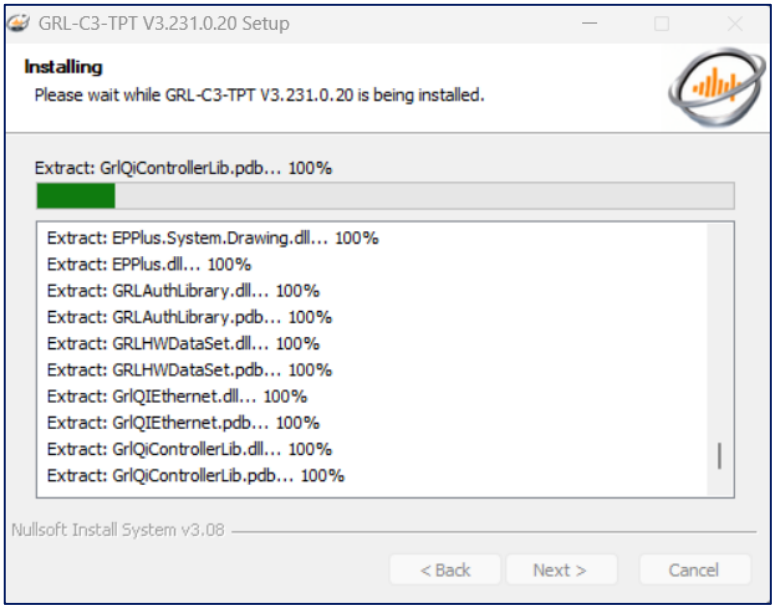


Figure 12. GRL-C3-TPT Software Installation In Progress

8. Click on the ‘Finish’ button to complete the software installation.

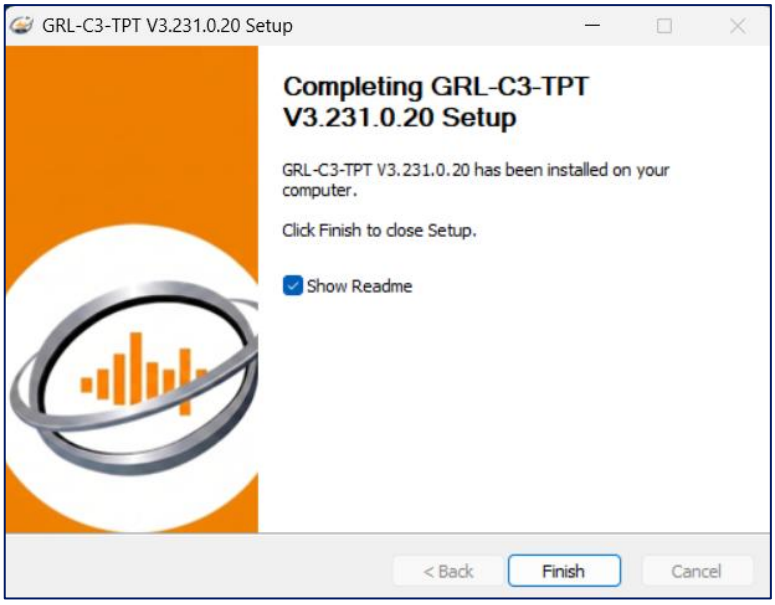


Figure 13. GRL-C3-TPT Software Installation Completed

9. The GRL-C3-TPT software is now ready for use upon successful installation.

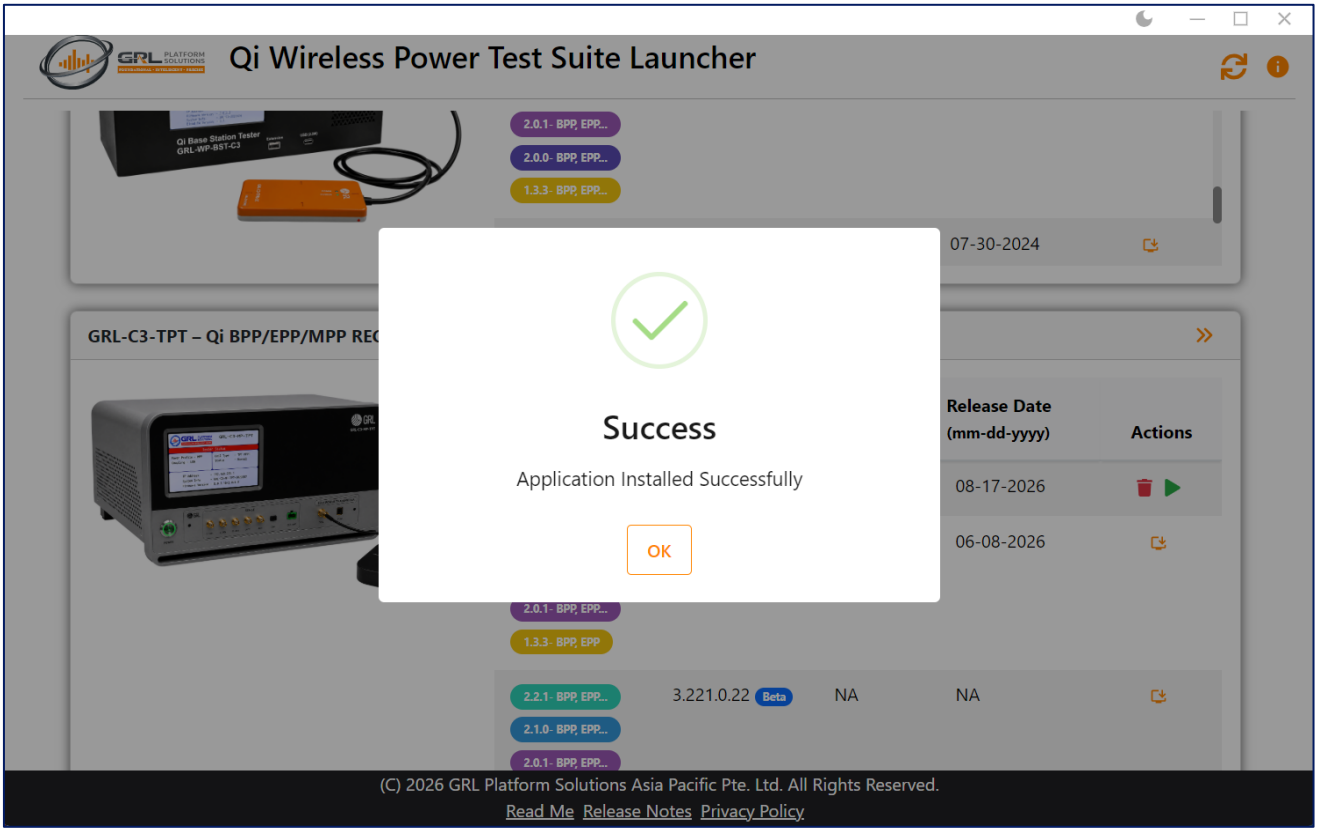


Figure 14. GRL-C3-TPT Software Installed Successfully

3.2 Launch GRL Platform Solutions Qi Compliance Test Software

1. Once installed, launch the GRL Platform Solutions Qi compliance test software by clicking on the Launch button  as indicated in the following example:

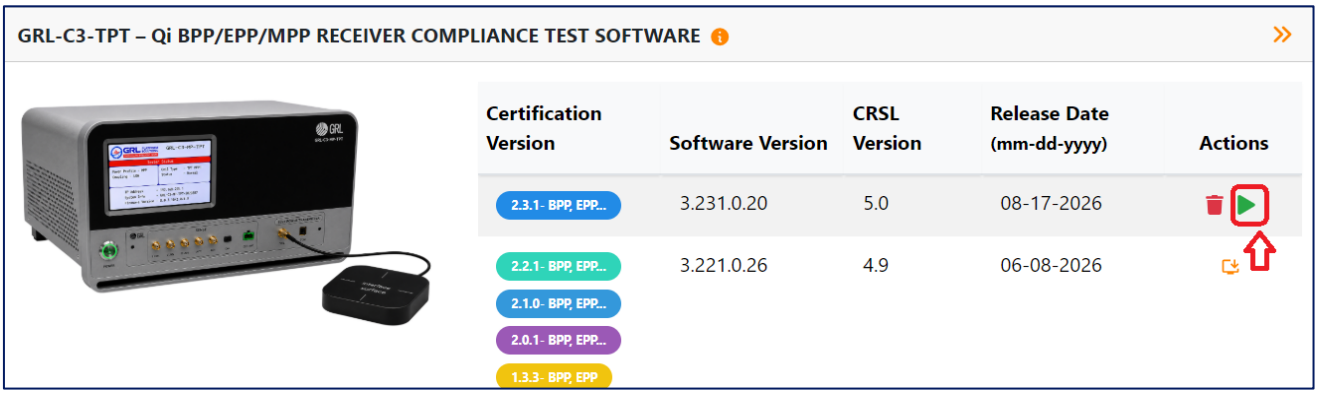


Figure 15. Launch Installed GRL Platform Solutions Qi Compliance Test Software

2. This will initiate the software server to run backend operations before launching the software. The software should launch after a few seconds on a browser window with the appropriate port number.
3. The software is now ready for use upon successful launch.

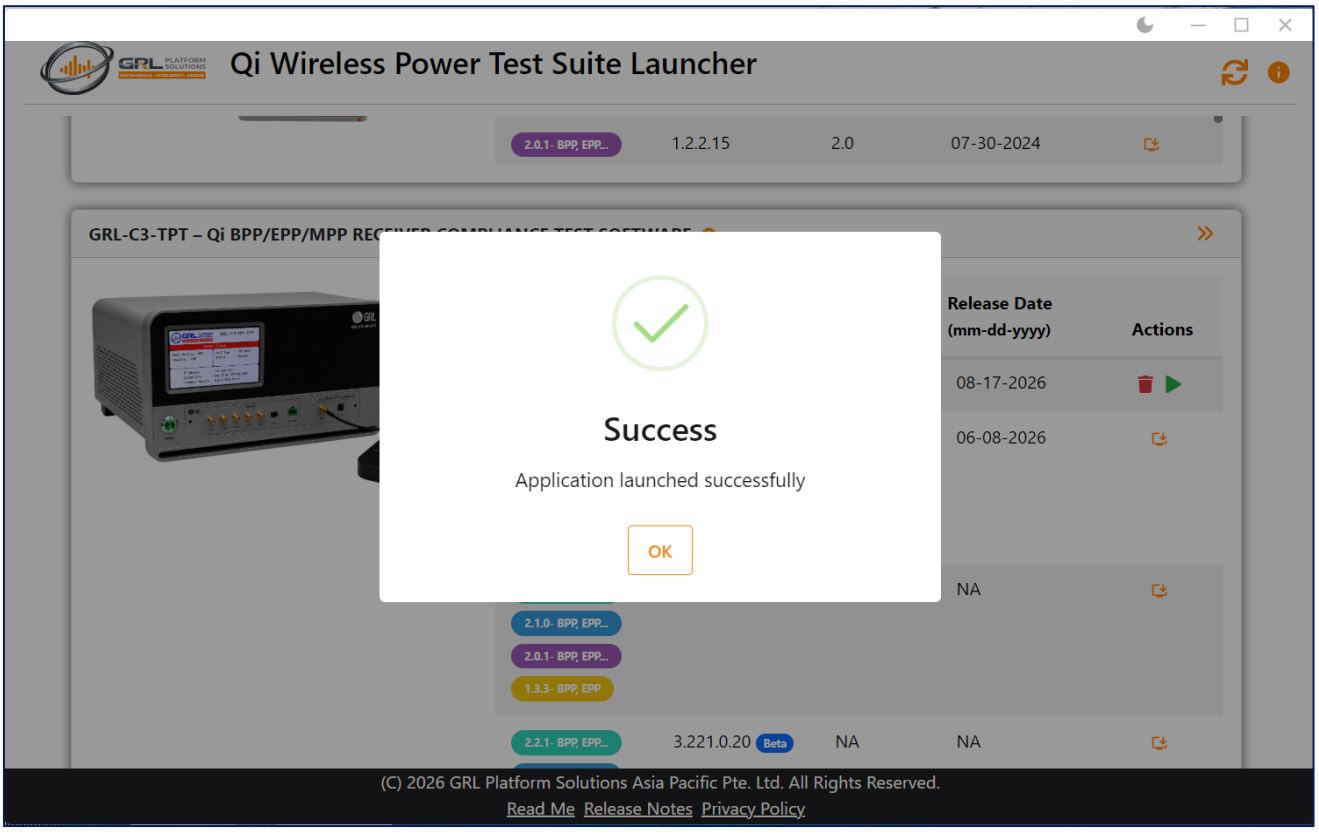


Figure 16. Software Launched Successfully

3.3 Uninstall GRL Platform Solutions Qi Compliance Test Software

1. If you would like to install another GRL Platform Solutions Qi compliance test software/version, uninstall the existing installed software/version by clicking on the Uninstall button , as indicated in the following example:

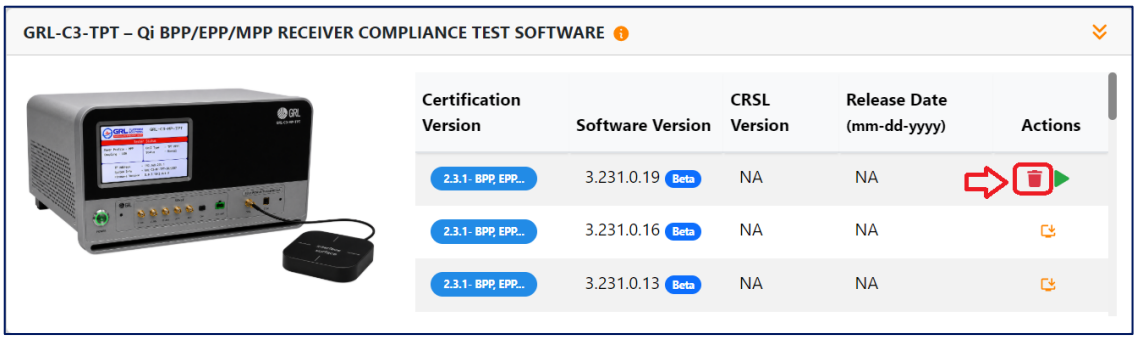


Figure 17. Uninstall GRL Platform Solutions Qi Compliance Test Software

2. Select 'Yes' when prompted for confirmation.

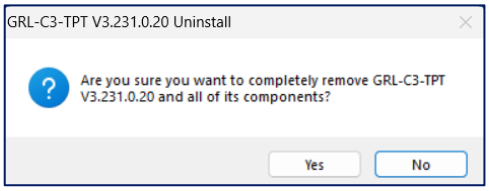


Figure 18. Confirm to Uninstall GRL Platform Solutions Qi Compliance Test Software

3. The software has now been uninstalled successfully.

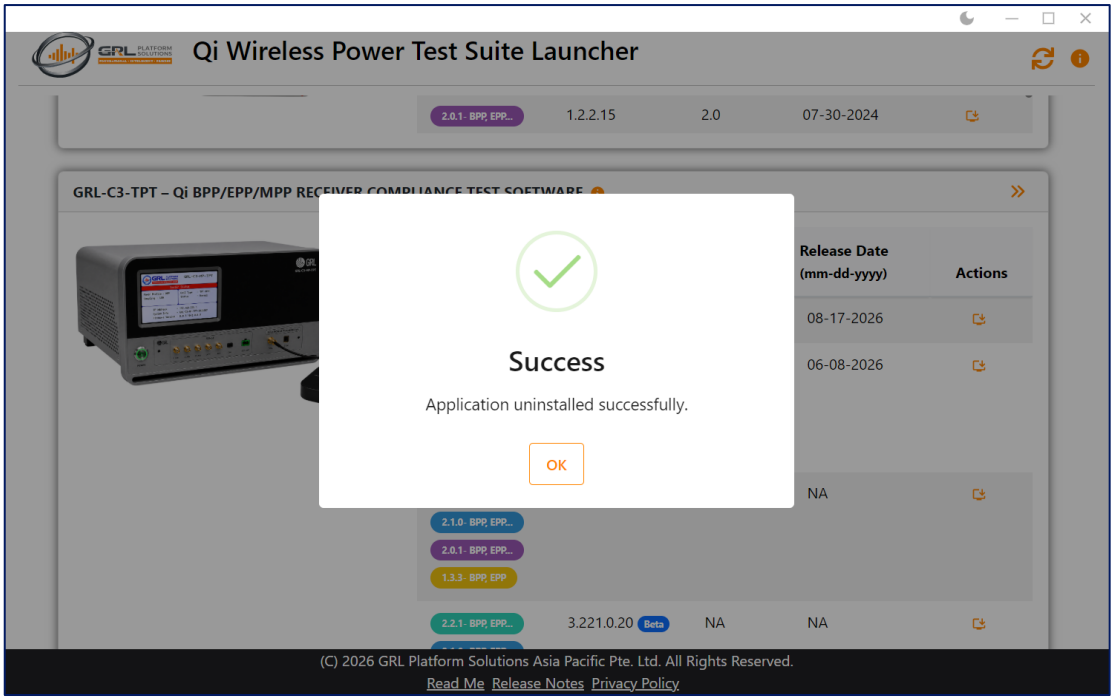


Figure 19. Software Uninstalled Successfully

4 Important Notes

1. If the user downloads an incorrect certification version instead of the required one, the software will remain unchanged until the correct version is downloaded, and both the firmware and E-Load are updated accordingly.
    a. **Example**: If the user downloads the Qi 2.2.1 software instead of the required Qi 2.1 version, the software will remain unchanged until the Qi 2.1 version is downloaded, and the corresponding firmware and E-Load versions are updated.
2. From the 2.3 Release, each certification version will be provided with its own standalone installer.
    a. **Example**: The 2.3 version will support only the 2.3 certification. Backward compatibility with earlier versions such as 2.2.1 and 2.1 will not be included. Separate releases will be maintained for these previous certification versions.
3. When tests are performed by loading an old project file from a Qi 2.0 Certification or other projects into the latest Qi 2.2.1/2.1 (or earlier) software version, the existing test reports will be replaced after execution, and new reports will be generated according to the current software version.
    a. **Example:** Loading a Qi 2.0 project file into the Qi 2.1.0 software version and executing the test will replace the existing test reports and generate new reports according to the Qi 2.1.0 version.
    b. ***Note****: In the latest Qi 2.2.1 version, old project files from Qi 2.1 or Qi 2.0 can be loaded, but testing is not allowed. The software will display a pop-up message indicating that it is in "View Only" mode.*

5 Access and Permissions

- Ensure that you have read/write access to the installation folder.
- Administrator privileges may be required for installation and updates.

6 Error Handling and Troubleshooting

- Ensure .NET Framework is installed and updated.
- The application should be run with administrator privileges if it fails to launch.
- For persistent issues, contact support@grlps.com.

7 Update & Maintenance

- Updates are released periodically via GRL Platform Solutions.
- Use the official installer path for updates.

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8 Support & Feedback

- Email: support@grlps.com
- Include:
  - Your name, company and contact info
  - Description of issue or suggestion
  - Software version and test environment details
  - Subject line: “GRL Platform Solutions Qi Wireless Power Test Suite Launcher - Problem/Feedback/Suggestions”