



CellAdvisor™

Test Wizard Creator

User's Guide

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About Test Wizard Creator Help

Test Wizard Creator Help

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Notice

Every effort was made to ensure that the information in this document was accurate at the time of printing. However, information is subject to change without notice, and Viavi reserves the right to provide an addendum to this document with information not available at the time that this document was created.

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Guide Conventions

This guide uses the following conventions:

Notes and Cautions

<i>Note: Notes include important supplemental information or tips related to the main text.</i>

Cautions apply to software actions. They indicate a situation that could lead to a loss of data or a disruption of software operation if indicated precautions are not taken.
--

Typographical Conventions

Description	Example
Buttons that you click appear in this typeface .	Click the Filter button.
Text that you must type exactly as shown appears in this typeface .	Type: a:\set.exe in the dialog box.
References to guides, books, and other publications appear in <i>this typeface</i> .	Refer to <i>Newton's Telecom Dictionary</i> .
A vertical bar means "or"; only one option can appear in a single command.	platform a b e
Square brackets [] indicate optional arguments.	login [platform name]
Slanted brackets < > indicate variables.	<password>
A plus sign (+) indicates simultaneous keystrokes.	Press Ctrl+s
A comma (,) indicates consecutive key strokes.	Press Alt+f,s
A single slanted bracket (>) indicates choosing a submenu from a menu.	On the menu bar, click File > Save .

Technical Assistance

Test Wizard Creator

If you require technical assistance, call 1-844-GO-VIAVI or send an email to TAC@viavisolutions.com.
For the latest TAC information, go to <http://www.viavisolutions.com/en/services-and-support/support/technical-assistance>.

Getting started

What is Test Wizard Creator?

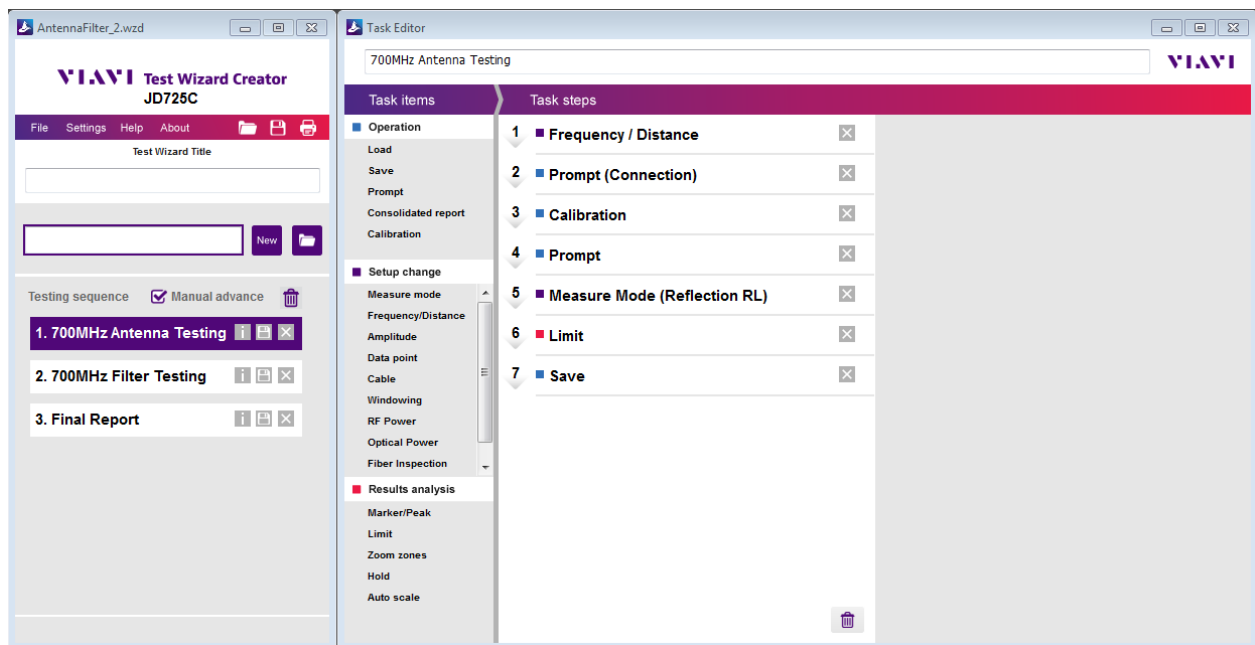
Test Wizard Creator is a software application that enables you to create a test wizard file that you can run a series of wizard-guided testing procedures on a CellAdvisor installed with a license for option 007 Test Wizard.

This program allows you to pre-define measurement settings, test parameters, actions, and analysis tools as you desire for your standardization of various procedures and tests on cable and antenna systems. After creating test wizard files, you can distribute them to technicians even with less experience and skills, who need to perform standardized tests and collect measurement results out in the field.

Test Wizard Creator consists of four windows:

- Initial window where you can select a CellAdvisor model
- Main window where you can work with testing units and the program actions
- Testing summary window where you can view the summary of your test wizard
- Task editor window where you can work with details on each task for a testing unit

Following is an example of the main window and the task editor window placed side by side.

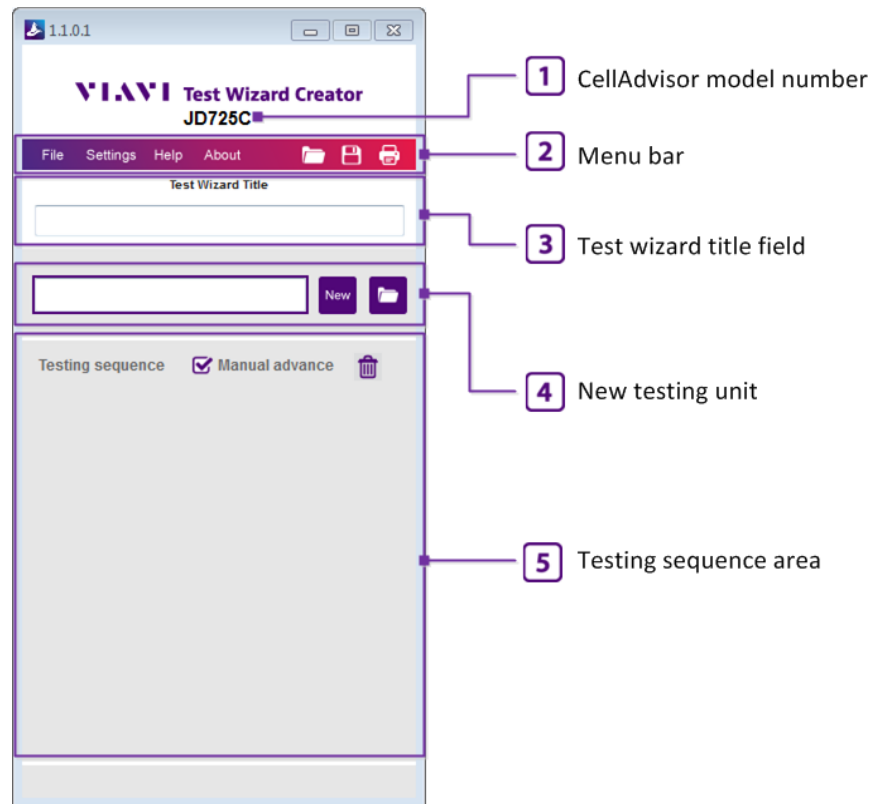


In Test Wizard Creator, there are two elements that you need to be familiar with: **testing units** and **tasks**. You can create your test wizard with one or multiple testing units in the [main window](#) and then define each testing unit with many specific tasks in the [task editor window](#), depending on your needs.

Test Wizard Creator

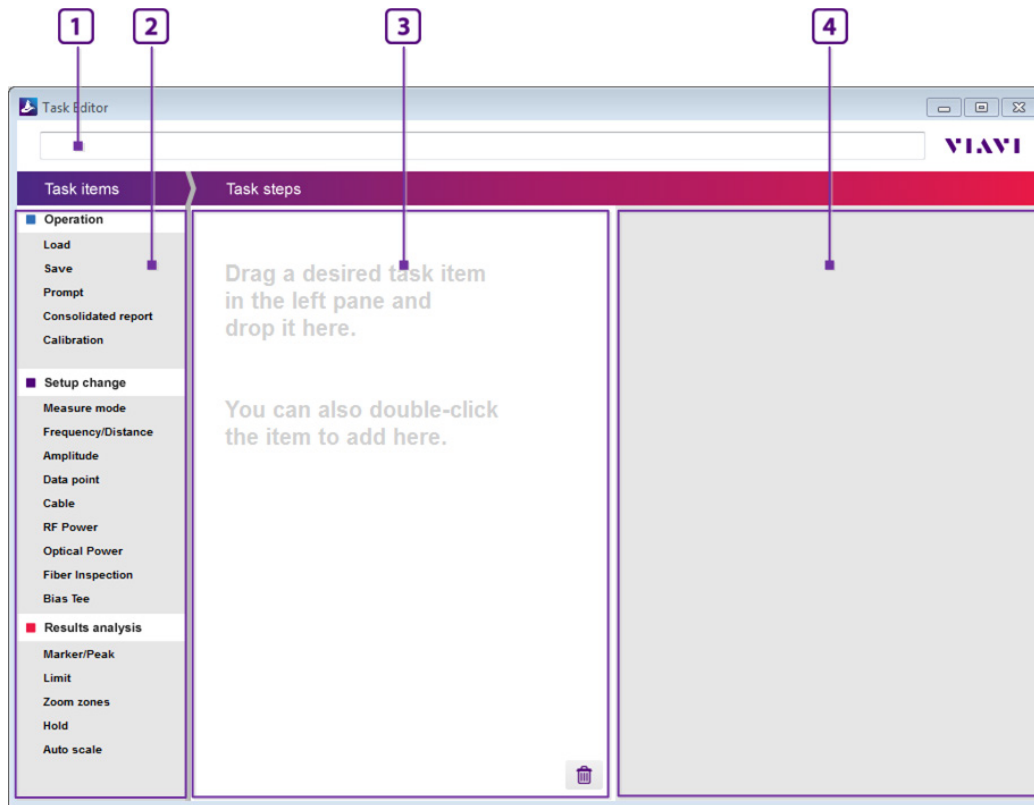
Following gives you an overview of the main and task editor windows in Test Wizard Creator.

Main window



- 1 It displays the model number that you have selected to create your test wizard file for.
- 2 This menu bar is where you can do actions, get help on using this program, and view information about it.
- 3 It is where you can enter a title for the test wizard you are about to create or you have created.
- 4 It is where you can add a new testing unit to your test sequence or open an existing testing unit file.
- 5 It displays all testing units added to the sequence. It is also where you can copy, move, and delete testing units.

Task editor window



- 1 It displays the description or name you have entered for the selected testing unit.
- 2 It is the task items pane where you can select and add tasks to the selected testing unit.
- 3 It is the task steps pane where you can view added task items in order and change the order. You can also copy, move, and delete tasks for the selected testing.
- 4 It is the task details pane where define and specify properties and parameters for each task to be run on your CellAdvisor.

Glancing at menus and icons

It is recommended that you get familiar with each part of Test Wizard Creator so that you can use this program quickly and proficiently. You can work with the various menus and shortcuts.

[Menus in the menu bar](#)

[Shortcut icons in the menu bar](#)

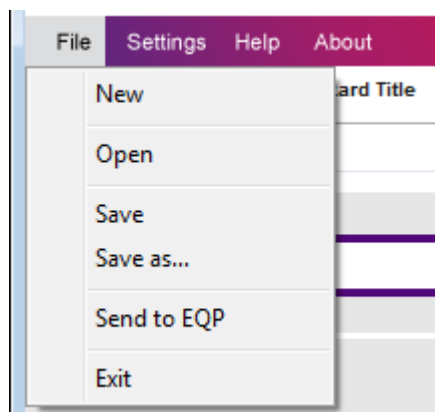
[Action icons](#)

Menus in the menu bar

Test Wizard Creator

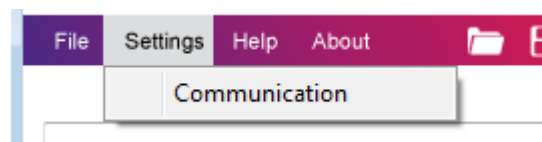
You can access to the following menus from the menu bar in the main window.

File



- **New** - You can use it to open a blank test wizard.
- **Open** - You can use it to open a test wizard file with the `.wzd` extension that has been created in Test Wizard Creator.
- **Save** - You can use it to save your new test wizard as a file with the `.wzd` extension or to overwrite the currently opened file with the changes you have made.
- **Save as** - You can use it to save your modified test wizard as a new file with the `.wzd` extension.
- **Send to EQP** - You can use it to transfer your saved test wizard file to your connected CellAdvisor directly from your computer.
- **Exit** - You can use it to close the window and leaves the program.

Settings



- **Communication** - You can use it to connect your computer to a CellAdvisor when you want to bring current setup information from the instrument or to send a test wizard file directly from the computer to the instrument. Test Wizard Creator provides three connection options including TCP/IP (IPv4), TCP/IP (IPv6), and USB.

Help




It directs you to Test Wizard Creator Help.

About

You can use it to view version number, revision history, and other information about Test Wizard Creator.




Shortcuts in the menu bar

You can use the shortcuts available in the menu bar to do the following:



-  (Open) - You can use it to open a test wizard file saved in Test Wizard Creator.
-  (Save) - You can use it to save your new test wizard as a file with the `.wzd` extension or to overwrite the currently opened file with the changes you have made.
-  (Print) - You can use it to print your test wizard.

Action icons



New and open icons

-  (New Testing Unit) - You can use it to add a blank testing to the test wizard sequence in the main window.
-  (Open Testing Unit) - You can use it to open an existing testing unit file with the `.tuf` extension and add it to the test wizard sequence for reuse in the main window.
-  (Open Setup) - In the task editor window, you can use it to open a setup file with the `.sta` extension and attach it to the Load task.



Delete icons

-  (Delete All) - You can use it to delete all items added to the test wizard sequence in the main window or to the task steps in the task editor window.
-  (Delete) - You can use it to delete an individual item.


Save and attach icons

-  (Save Testing Unit) - You can use it to save the testing unit as a file with the `.tuf` extension for reuse.
-  (Save Setup) - You can use it to save current setup information in the connected CellAdvisor and attach it as a file with the `.sta` extension to the Load task in the task editor window.

Test Wizard Creator


-  (Attach Image) - You can use it to attach an image file.
-  (Image Attached) - It indicates that there is an image attached.

Info icon

-  (Information) - It opens the testing summary window so that you can view the summary of your test wizard.

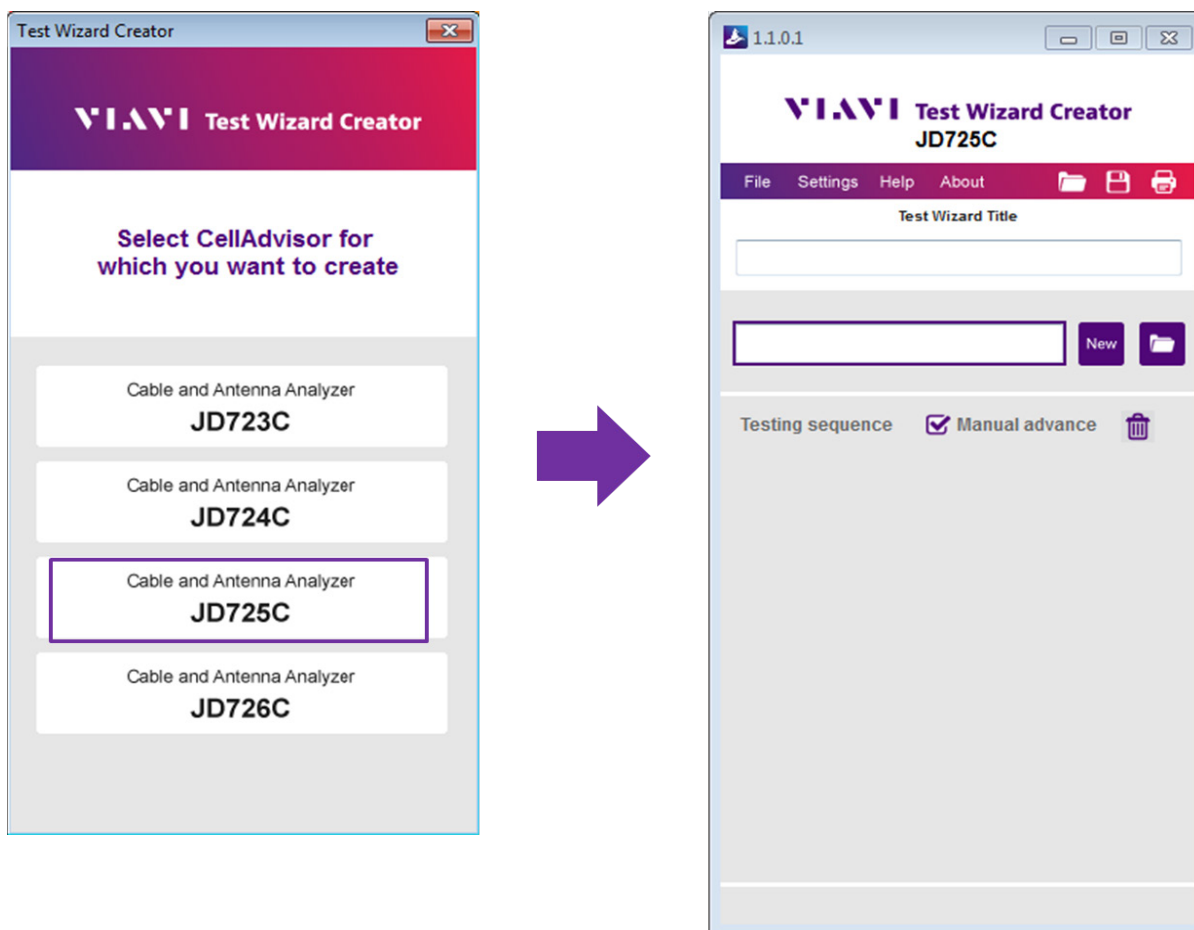
Opening Test Wizard Creator

When you install Test Wizard Creator on your computer, it creates a shortcut icon on the computer desktop. You can use it to open the program easily.

- 1 On your computer, double-click the Test Wizard Creator icon ().
The initial window appears.

Note: In Windows 7 and older, you must set custom text size (DPI) to 'Smaller – 100% (default)' on your computer for optimal display of the program. If the program detects that your display setting is set to something else, it will pop up an alert. In this case, you can change it back to the default setting by going to Control Panel > Appearance and Personalization > Display.

- 2 Double-click the CellAdvisor model for which you wish to create a test wizard. Following is an example of selecting JD725C.

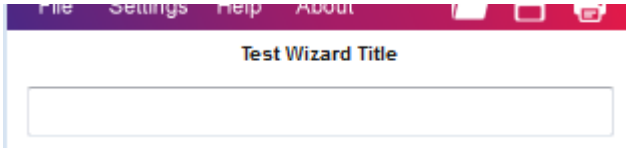


Caution: Test wizard and testing unit files that you create can work only for the particular model you select.

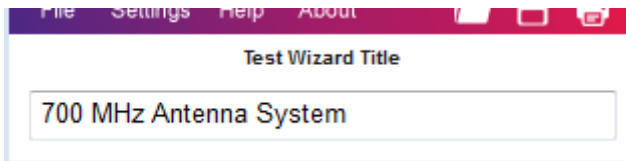
Creating a test wizard

Entering a title for your test wizard

- 1 Click the Test Wizard Title input field.



- 2 Enter a title for your test wizard up to 256 characters. Following is an example:



Adding testing units to your test wizard sequence

You can create your testing sequence with one testing unit or with many testing units as you desire by adding a new testing unit or reusing an existing testing unit that you have saved before.

[To add a new testing unit](#)

[To add an existing testing unit](#)

[To view testing unit summary](#)

[To reorder testing units](#)

[To delete a testing unit](#)

[To delete all testing units](#)

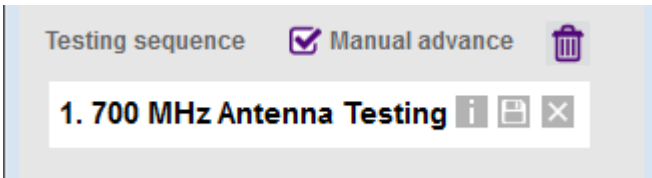
[To save a testing unit](#)

To add a new testing unit

- 1 To enter a name or description for the testing unit, click the input field next to the **New** button.




- 2 Type a name or description up to 256 characters with spaces.
- 3 Click the **New** icon to complete the input. You can also press **Enter** on your keyboard. The testing unit appears under **Testing sequence**. Following is an example:

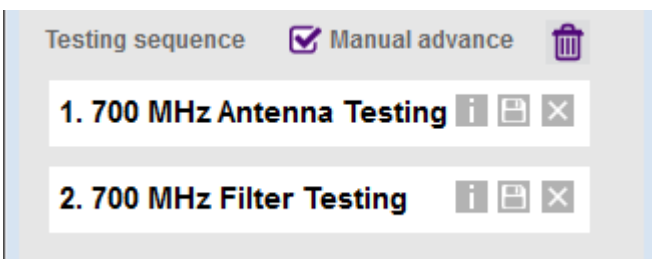


Note: You can edit the name or description any time in the Task Editor window.

To add an existing testing unit

You can duplicate a testing unit in the testing sequence with **CTRL+C** and **CTRL+V**. If you have a saved testing unit file with the `*.tuf` extension that is compatible with the CellAdvisor model, you can reuse it too.


- 1 Click the  icon.
- 2 Navigate to the testing unit file (`*.tuf`) that you want to reuse.
- 3 Click the **Open** button. The testing unit appears under **Testing sequence**. Following is an example:



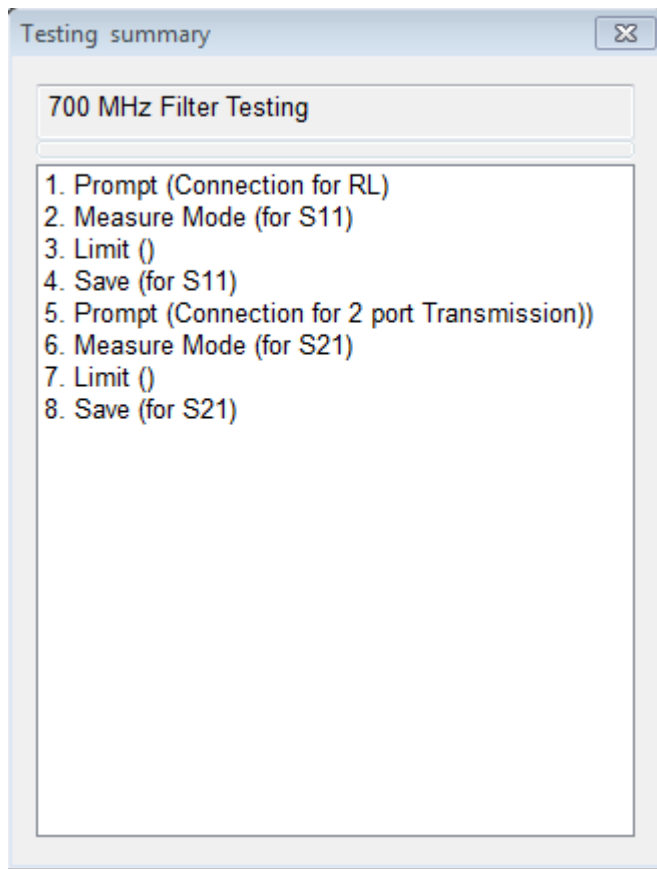
- 4 If there are more than one testing units in the testing sequence, you can select the **Manual advance** so that the instrument can pop up a confirmation dialog box at the end of each testing unit, asking a user to continue to the next testing unit or quit now. If you deselect the **Manual advance**, the instrument will automatically continue to the next testing unit.

To view testing unit summary

1 Select the testing unit that you want to view information.

2 Click the  icon.

The testing summary window appears. Following is an example of a testing unit with eight task items:




Numbers at the beginning of each line are the order of the sequence. Texts after the numbers are task item names. Texts in the parenthesis are descriptions for the task items.


3 Click the  button to dismiss.

To reorder testing units


1 Click and hold the testing unit to move in the testing sequence area and drag it up or down.

The  icon appears while you move the testing unit.

2 Drop the testing unit at where you want to place.


The  icon disappears on releasing the mouse click.

To delete a testing unit

- 1 Select the testing unit that you want to delete from the testing sequence.
- 2 Click the  icon. You can also press the **Del** key on your keyboard.
The confirmation dialog box appears.
- 3 Click the **Yes** button.
The testing unit disappears from the testing sequence.


Caution: After you delete the testing unit from the sequence, you cannot undo.

To delete all testing units

- 1 Click the  icon.
The confirmation dialog box appears.
- 2 Click the **Yes** button to continue.

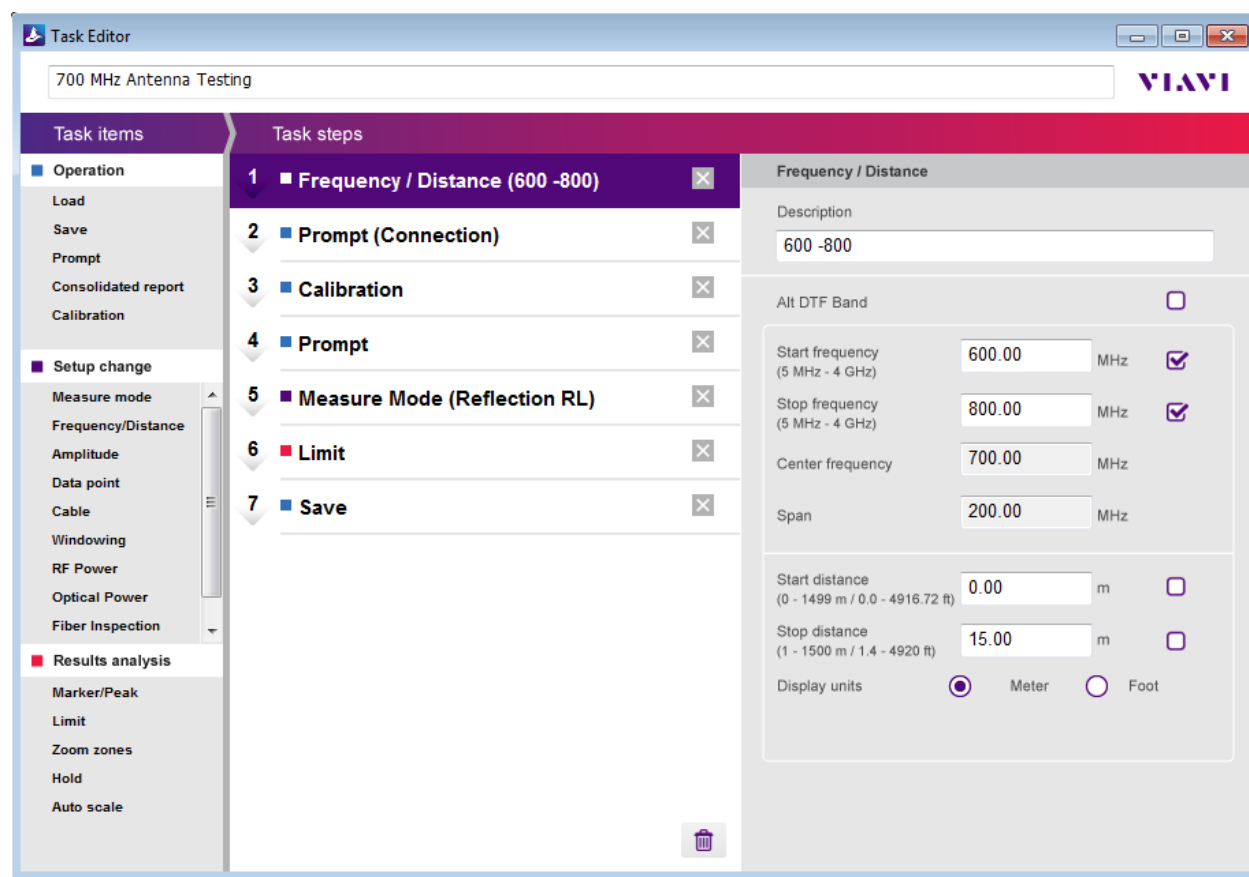
Caution: After you delete all the testing units from the sequence, you cannot undo.

To save a testing unit

- 1 Select the testing unit that you want to save as a testing unit file with the `.tuf` extension.
- 2 Click the  icon.
The Save As window appears.
- 3 Navigate to the folder where you want to store the file.
- 4 Enter a file name.
- 5 Click the **Save** button.

Adding a task to a testing unit

There are many task items that you can add to a testing unit. They include actions, measure setups, test parameters, and analysis tools. They are very much similar to what you do on your CellAdvisor. Following is an example of one testing unit with 6 task items.



[To open Task Editor and add a task](#)

[To define a task](#)

[To reorder task steps](#)

[To delete a task](#)

[To delete all tasks](#)

To open Task Editor and add a task

- 1 In the main window, double-click the testing unit that you want to open.
The task editor window appears for the selected testing unit.
- 2 In the task editor window, do one of the following:
 - Double-click a new task item from the list of available task items in the **Task items** pane.
 - Drag a new task item from the **Task items** pane and drop it to the **Task steps** area.
 - Select a task item already in the task steps and duplicate it with **Ctrl+C** and **Ctrl+V**.

To define a task


- 1 Double-click a task item you have added to the task steps.
- 2 Define the task in the details pane.
Options, properties, and parameters vary depending on the task item that you have selected.

Note: For more information about defining tasks, go to [Defining tasks for a testing unit](#).


To reorder task steps

After you have added and defined task items in the task steps, you can reorder them.


- 1 Click and hold the task item in the task steps area and drag it up or down.

The  icon appears while you move the task item.

- 2 Drop the task item at where you want to place in the task steps area.


The  icon disappears on releasing the mouse click.

To delete a task

- 1 Click the task item in the task steps area that you want to delete.
- 2 Click the  icon. You can also press the **Del** key on your keyboard.
The confirmation dialog box appears.
- 3 Click the **Yes** button to continue.

Caution: After you delete the task item, you cannot undo.

To delete all tasks

- 1 Click the  icon at the bottom of the task steps area.
The confirmation dialog box appears.
- 2 Click the **Yes** button to continue.

Caution: After you delete all the tasks, you cannot undo.

Operation tasks

You can use task items under Operation to set actions that you want a CellAdvisor do automatically or ask a user to do manually while running a wizard-guided testing. After you have added a task item to the task steps area, do what you need to define the task.

[Load](#)

[Save](#)

[Prompt](#)

[Consolidated report](#)

[Calibration](#)

Load

Load

Description

Load setup from:



☒ Factory preset

☐ Saved setup (.sta)

☐ CellAdvisor's current settings

Setup info

If you want to use an existing measure setup rather than defining a new one with tasks under Setup change, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Press the **Enter** key on your keyboard.
- 3** Select the **Load setup from** option from the following choices:
 - **Factory preset:** You can select this to let the instrument reset its measure setup to its factory preset defaults.
 - **Saved setup:** You can select this to allow the instrument to load a measure setup file (.sta) that you attach to this Load task so that the instrument can load the file during the operation of your test wizard. After you have selected this option, complete the following steps:
 - a** Click the  icon.
 - b** Navigate to the setup file with the .sta extension.
 - c** Click the **Open** button.
The file name and setup information appear in the Setup info area.
 - **CellAdvisor's current settings:** You can select this to save the current settings of the connected instrument as a setup file (.sta) and attach it to this Load task so that the instrument can load the file during the operation of your test wizard. After you have selected this option, complete the following steps:
 - a** Click the  icon.
 - b** Navigate to the folder where you want to save the setup as a file with the .sta extension.
 - c** Type a file name you want to add.
 - d** Click the **Save** button.
The file name and setup information appear in the Setup info area.

Save

Test Wizard Creator

Save

Description

☐ Measurement result preview

Save mode ☒ Auto ☐ Manual

Storage ☒ Internal ☐ External (USB)

File name

Folder name

File Type ☒ Trace ☒ TRA ☐ CSV ☐ XML

☒ Report ☒ PDF ☐ HTML

☒ Screen Color Inversion ☐ On ☒ Off

Marker Reading ☐ On ☒ Off

Save




Description

☐ Measurement result preview

Save mode ☐ Auto ☒ Manual

If you want to get measurement results saved after each measurement during the wizard-guided testing, do the following:


- 1 In the **Description** field, type the text you want to add, up to 256 characters with spaces.


- 2 If you want to view measurement results to be saved prior to saving, select the **Measurement result preview** option so that you can view captured results that will be inserted and decide what to do next. You will be asked if you want to proceed with saving or to invoke the prompt menus such as Repeat, Continue, and Quit.
- 3 Select the **Save mode** option between **Auto** and **Manual**:
 - **Auto** - It enables you to specify details for the Save task so that the instrument can save measurement results automatically as specified in Test Wizard Creator. For detailed settings, go to step 3.
 - **Manual** - It disables you to define further details, but you can save measurements results manually during the operation of your test wizard on the instrument.
- 4 If you have selected **Auto** for **Save mode**, complete the following steps:
 - a Type a file name in the **File name** field that you want to automatically create in the instrument to save results. If you leave this field blank, the instrument will give a file name using its timestamp, e.g. 150911155831.tra.
 - b Type a folder name in the **Folder name** field that you want to automatically create in the instrument to store saved files. If you leave this field blank, the instrument will create a folder using its timestamp, e.g. 150911155830.
 - c Select the **File Type** option from the following choices, as like you work with Save on the instrument.
 - **Trace** - It allows the instrument to save a trace in the file format of your choice from the options: **TRA**, **CSV**, and **XML**.
 - **Report** - It allows the instrument to save measurement results in the report format of your choice from the options: **PDF** or **HTML**. Click the  button to enter details on the company and  button on the job.
 - **Screen** - It allows the instrument to save the measurement screen in the format of **PNG** with or without color inversion and marker readings depending on your selection.
- 5 If you want to include Tag IDs in the file information for StrataSync use, click the  button and enter proper values in the Tag ID window as you need.

Prompt

The screenshot shows the 'Prompt' section of the Test Wizard Creator. It features a 'Description' field at the top. Below it is a 'Prompts' section with ten numbered input fields (1-10). Each input field has a small image icon to its right. At the bottom of the 'Prompt' section, there are two rows of controls. The first row is labeled 'Manual operation on instrument' and has two radio buttons: 'Enable' (unselected) and 'Disable' (selected). The second row is labeled 'Move forward' and has two radio buttons: 'Auto' (selected) and 'Manual' (unselected). Between these radio buttons is a numeric input field containing the value '5' and a unit label 'sec'.

If you want to add a prompt to your test wizard, such as instructions for testing setup or connection diagram, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Type a prompt or instruction in the input field.
- 3** To attach an image to the prompt, complete the following steps:
 - a** Click the  icon.
 - b** Click the **Attach** button.
 - c** Navigate to the file with the `.jpg`, `.jpeg`, or `.png` extension that you want to attach.
 - d** Click the **Open** button.
The file name of the attached image populates in the field.

- e Click the **OK** button.
The icon changes to the one with a check mark.
- 4** To delete the attached image, click the  icon and then click the **Del** button.
- 5** Select the **Manual operation on instrument** option between **Enable** and **Disable**.
 - **Enable** - It provides prompt menus at the bottom of the instrument screen and allows you to use physical keys on the instrument to operate the instrument manually at the prompt. Selecting this disables the Move forward option in the program.
 - **Disable** - It does not allow you to use any of the physical keys on the instrument at the prompt.
- 6** If you have selected Disable in step 5, select the **Move forward** option between **Auto** and **Manual**.
 - **Auto** - It moves automatically from this prompt task to the very next task, if any, after standing for the set time. For this setting, go to step 7.
 - **Manual** - It lets you manually select to move forward to the very next task.
- 7** If you have set the **Move forward** to **Auto**, click the up or down arrow and set the amount of time in seconds.

Consolidated report

Consolidated report	
Description	<input type="text"/>
Save mode	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
File name	<input type="text"/>
Folder name	<input type="text"/>
File type	<input checked="" type="radio"/> PDF <input type="radio"/> HTML
Tag ID	<input type="button" value="Company info"/> <input type="button" value="Job info"/>



Consolidated report


Description

Save mode ☐ Auto ☒ Manual

If you want to generate a consolidated report at the end of the testing unit with all saved screens, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Select the **Save mode** option between **Auto** and **Manual**:
 - **Auto** - It enables you to specify details for the Consolidated report task so that the instrument can save all saved screens from the previous steps for the testing unit can be saved automatically as specified. For detailed settings, go to step 3.
 - **Manual** - It disables you to define further details, but you can generate a consolidated report manually during the operation of your test wizard on the instrument.
- 3** If you have selected **Auto** for **Save mode**, complete the following steps:
 - a** Type a file name in the **File name** field that you want to automatically create on the instrument to save the report. If you leave this field blank, the instrument will give a file name using its timestamp, e.g. 150911155833.pdf.
 - b** Type a folder name in the **Folder name** field that you want to automatically create on the instrument to store saved files. If you leave this field blank, the instrument will create a folder using its timestamp, e.g. 150911155832.
 - c** Select the **File Type** option between **PDF** and **HTML**.

- d Click the  button to enter details on the company and  button on the job.

- 4 If you want to include Tag IDs in the file information for StrataSync use, click the  button and enter proper values as you need.

Note: You can add this Consolidated report task as the last step for the testing unit or as the last testing unit for the test wizard depending on your needs.


Calibration

This Calibration task does not require you to set any details. During the operation of your test wizard, it works the same way as the physical **Cal** key on the instrument does.

Saving your test wizard

After you have completed creating a test wizard, you need to save it as a file so that you can run it on your instrument compatible with your test wizard.

To save a test wizard

- 1 Do one of the following:
 - To save a new test wizard or overwrite an opened test wizard, go to **File > Save**. You can also click the  icon in the menu bar.
 - To save an opened test wizard as a new file, go to **File > Save as**.
- 2 Navigate to the folder where you want to save the file.
- 3 Type a file name you want to use.
- 4 If you want to protect the file with a password, complete the following steps:
 - a Click the **Password** button.
 - b In the **Password** field, type a password you want to add.
 - c In the **Confirm** field, re-enter the password you have typed.
 - d Click the **OK** button.


Note: You can enter any characters for your password, but it is case sensitive.

- 5 Click the **Save** button.
-

Printing your test wizard

If you have a printer installed on your computer, you can print your test wizard completed or at work. Printing makes it easier for you to view details of the test wizard including number of testing units, task items, and settings.

To print a test wizard

- 1 In the main window of the Test Wizard Creator application, click the  icon.
The Print window appears.
- 2 Select a printer that you want to use.
- 3 Set other printing properties if needed.
- 4 Click the **OK** button.

Defining tasks for a testing unit

Operation tasks

You can use task items under Operation to set actions that you want a CellAdvisor do automatically or ask a user to do manually while running a wizard-guided testing. After you have added a task item to the task steps area, do what you need to define the task.

[Load](#)

[Save](#)

[Prompt](#)

[Consolidated report](#)

[Calibration](#)

Load

Load

Description

Load setup from:


☒ Factory preset


☐ Saved setup (.sta)

☐ CellAdvisor's current settings

Setup info

If you want to use an existing measure setup rather than defining a new one with tasks under Setup change, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Press the **Enter** key on your keyboard.
- 3** Select the **Load setup from** option from the following choices:
 - **Factory preset:** You can select this to let the instrument reset its measure setup to its factory preset defaults.
 - **Saved setup:** You can select this to allow the instrument to load a measure setup file (.sta) that you attach to this Load task so that the instrument can load the file during the operation of your test wizard. After you have selected this option, complete the following steps:
 - a** Click the  icon.

- b** Navigate to the setup file with the `.sta` extension.
- c** Click the **Open** button.
The file name and setup information appear in the Setup info area.
- **CellAdvisor's current settings:** You can select this to save the current settings of the connected instrument as a setup file (`.sta`) and attach it to this Load task so that the instrument can load the file during the operation of your test wizard. After you have selected this option, complete the following steps:
 - a** Click the  icon.
 - b** Navigate to the folder where you want to save the setup as a file with the `.sta` extension.
 - c** Type a file name you want to add.
 - d** Click the **Save** button.
The file name and setup information appear in the Setup info area.

Save

Test Wizard Creator

Save

Description

☐ Measurement result preview

Save mode ☒ Auto ☐ Manual

Storage ☒ Internal ☐ External (USB)

File name

Folder name

File Type ☒ Trace ☒ TRA ☐ CSV ☐ XML

☒ Report ☒ PDF ☐ HTML

Company info

Job info

☒ Screen Color Inversion ☐ On ☒ Off

Marker Reading ☐ On ☒ Off

Tag ID

Save




Description

☐ Measurement result preview

Save mode ☐ Auto ☒ Manual

If you want to get measurement results saved after each measurement during the wizard-guided testing, do the following:

- 1 In the **Description** field, type the text you want to add, up to 256 characters with spaces.

- 2 If you want to view measurement results to be saved prior to saving, select the **Measurement result preview** option so that you can view captured results that will be inserted and decide what to do next. You will be asked if you want to proceed with saving or to invoke the prompt menus such as Repeat, Continue, and Quit.
- 3 Select the **Save mode** option between **Auto** and **Manual**:
 - **Auto** - It enables you to specify details for the Save task so that the instrument can save measurement results automatically as specified in Test Wizard Creator. For detailed settings, go to step 3.
 - **Manual** - It disables you to define further details, but you can save measurements results manually during the operation of your test wizard on the instrument.
- 4 If you have selected **Auto** for **Save mode**, complete the following steps:
 - a Type a file name in the **File name** field that you want to automatically create in the instrument to save results. If you leave this field blank, the instrument will give a file name using its timestamp, e.g. 150911155831.tra.
 - b Type a folder name in the **Folder name** field that you want to automatically create in the instrument to store saved files. If you leave this field blank, the instrument will create a folder using its timestamp, e.g. 150911155830.
 - c Select the **File Type** option from the following choices, as like you work with Save on the instrument.
 - **Trace** - It allows the instrument to save a trace in the file format of your choice from the options: **TRA**, **CSV**, and **XML**.
 - **Report** - It allows the instrument to save measurement results in the report format of your choice from the options: **PDF** or **HTML**. Click the  button to enter details on the company and  button on the job.
 - **Screen** - It allows the instrument to save the measurement screen in the format of **PNG** with or without color inversion and marker readings depending on your selection.
- 5 If you want to include Tag IDs in the file information for StrataSync use, click the  button and enter proper values in the Tag ID window as you need.


Prompt

Prompt


Description

Prompts


1




2




3




4




5




6




7




8



9



10



Manual operation on instrument

☐

 Enable

☒

 Disable

Move forward


☒ Auto


5

sec

☐ Manual

If you want to add a prompt to your test wizard, such as instructions for testing setup or connection diagram, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Type a prompt or instruction in the input field.
- 3** To attach an image to the prompt, complete the following steps:
 - a** Click the  icon.
 - b** Click the **Attach** button.
 - c** Navigate to the file with the `.jpg`, `.jpeg`, or `.png` extension that you want to attach.
 - d** Click the **Open** button.
The file name of the attached image populates in the field.

- e Click the **OK** button.
The icon changes to the one with a check mark.
- 4** To delete the attached image, click the  icon and then click the **Del** button.
- 5** Select the **Manual operation on instrument** option between **Enable** and **Disable**.
 - **Enable** - It provides prompt menus at the bottom of the instrument screen and allows you to use physical keys on the instrument to operate the instrument manually at the prompt. Selecting this disables the Move forward option in the program.
 - **Disable** - It does not allow you to use any of the physical keys on the instrument at the prompt.
- 6** If you have selected Disable in step 5, select the **Move forward** option between **Auto** and **Manual**.
 - **Auto** - It moves automatically from this prompt task to the very next task, if any, after standing for the set time. For this setting, go to step 7.
 - **Manual** - It lets you manually select to move forward to the very next task.
- 7** If you have set the **Move forward** to **Auto**, click the up or down arrow and set the amount of time in seconds.

Consolidated report

Consolidated report	
Description	<input type="text"/>
Save mode	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
File name	<input type="text"/>
Folder name	<input type="text"/>
File type	<input checked="" type="radio"/> PDF <input type="radio"/> HTML
Tag ID	<input type="button" value="Company info"/> <input type="button" value="Job info"/>

If you want to generate a consolidated report at the end of the testing unit with all saved screens, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Select the **Save mode** option between **Auto** and **Manual**:
 - **Auto** - It enables you to specify details for the Consolidated report task so that the instrument can save all saved screens from the previous steps for the testing unit can be saved automatically as specified. For detailed settings, go to step 3.
 - **Manual** - It disables you to define further details, but you can generate a consolidated report manually during the operation of your test wizard on the instrument.
- 3** If you have selected **Auto** for **Save mode**, complete the following steps:
 - a** Type a file name in the **File name** field that you want to automatically create on the instrument to save the report. If you leave this field blank, the instrument will give a file name using its timestamp, e.g. 150911155833.pdf.
 - b** Type a folder name in the **Folder name** field that you want to automatically create on the instrument to store saved files. If you leave this field blank, the instrument will create a folder using its timestamp, e.g. 150911155832.
 - c** Select the **File Type** option between **PDF** and **HTML**.

- d Click the **Company info** button to enter details on the company and **Job info** button on the job.
- 4 If you want to include Tag IDs in the file information for StrataSync use, click the **Tag ID** button and enter proper values as you need.

Note: You can add this Consolidated report task as the last step for the testing unit or as the last testing unit for the test wizard depending on your needs.

Calibration

This Calibration task does not require you to set any details. During the operation of your test wizard, it works the same way as the physical **Cal** key on the instrument does.

Setup change tasks

You can use these tasks to make changes of measurement mode and settings as you desire for your wizard-guided testing.

[Measure mode](#)

[Frequency/distance](#)

[Amplitude](#)

[Data point](#)

[General](#)

[Cable](#)

[Windowing](#)

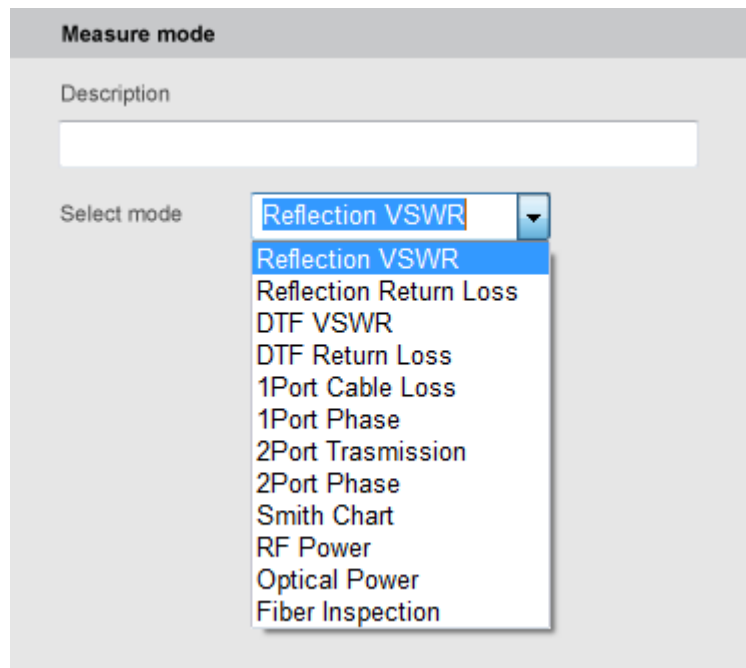
[RF power](#)

[Optical power](#)

[Fiber inspection](#)

[Bias tee](#)

Measure mode



Measure mode

Description

Select mode

- Reflection VSWR
- Reflection Return Loss
- DTF VSWR
- DTF Return Loss
- 1Port Cable Loss
- 1Port Phase
- 2Port Transmission
- 2Port Phase
- Smith Chart
- RF Power
- Optical Power
- Fiber Inspection

If you want to change the measure mode, do the following:

- 1 In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2 Click the down arrow and select your desired measure mode from the drop-down list with available modes for your selected CellAdvisor model.

Note: Depending on your selection for the measure mode, you need to add and define additional tasks that are associated with the mode. For example, if you have set the measure mode to RF Power, you are required to add the RF Power task to your task steps and then specify details.

Frequency/distance

Frequency / Distance

Description

Alt DTF Band ☐

Start frequency (5 MHz - 4 GHz)	<input type="text" value="600.00"/>	MHz	<input checked="" type="checkbox"/>
Stop frequency (5 MHz - 4 GHz)	<input type="text" value="800.00"/>	MHz	<input checked="" type="checkbox"/>
Center frequency	<input type="text" value="700.00"/>	MHz	
Span	<input type="text" value="200.00"/>	MHz	

Start distance (0 - 1499 m / 0.0 - 4916.72 ft)	<input type="text" value="0.00"/>	<input type="checkbox"/>
Stop distance (1 - 1500 m / 1.4 - 4920 ft)	<input type="text" value="15.00"/>	<input type="checkbox"/>

Display units ☒ Meter ☐ Foot

If you want to change the frequency or distance setting, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** To change frequency settings, complete the following steps:
 - a** In the **Start frequency** field, enter a value in MHz, and then check the checkbox next to it to apply the value when running your test wizard on the instrument.
 - b** In the **Stop frequency** field, enter a value in MHz, and then check the checkbox next to it to apply the value when running your test wizard on the instrument.

Note: Test Wizard Creator populates the center frequency and span fields with corresponding frequencies based on the start and stop frequencies you have entered.

- 3** To change distance settings for DTF measurements, complete the following steps:
 - a** Select the **Display units** option you want to use between **Meter** and **Foot**.
 - b** In the **Start distance** field, enter a value, and then check the checkbox next to it to apply the value when running your test wizard on the instrument.

- c** In the **Stop distance** field, enter a value, and then check the checkbox next to it to apply the value when running your test wizard on the instrument.
- 4** If you want to use this Frequency/Distance task to enable Alt DTF Band and set alternate frequencies on the instrument after calibration, check the checkbox for **Alt DTF Band** and then do steps **2** and **3** as needed.

Note: Frequency/distance settings and calibration must be done in order to set Alt DTF Band in the instrument. Therefore, you must have a separate Frequency/Distance task and a calibration task added before using the Alt DTF Band in Test Wizard Creator.

Amplitude

Amplitude

Description

Top

65.00

Bottom

1.00

Reflection VSWR	Top scale (1.1 - 65) Bottom scale (1.0 - 64.9)
Reflection Return Loss	Top scale (-59.9 - 0.0) Bottom scale (-60 - -0.1)
DTF VSWR	Top scale (1.1 - 65) Bottom scale (1.0 - 64.9)
DTF Return Loss	Top scale (-59.9 - 0.0) Bottom scale (-60 - -0.1)
1 Port Cable Loss	Top scale (-29.9 - 0.0) Bottom scale (-30 - -0.1)
1 Port Phase	Top scale (-179 - 180) Bottom scale (-180 - 179)
2 Port Phase	Top scale (-179 - 180) Bottom scale (-180 - 179)
2 Port Transmission	Top scale (-119.9 - 100.0) Bottom scale (-120 - 99.9)

If you want to change the amplitude setting that adjusts the display scale of measurement results, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.

- 2** In the **Top** field, enter a value in integer you want to set for the measure mode of the instrument when running your test wizard.
- 3** In the **Bottom** field, enter a value in integer you want to set for the measure mode of the instrument when running your test wizard.

Note: If you enter a number with decimal, it will be truncated to an integer by removing the decimal.

Data point

Data point		
Description <input style="width: 100%;" type="text"/>		
<input type="radio"/> 126	<input type="radio"/> 251	<input checked="" type="radio"/> 501
<input type="radio"/> 1001	<input type="radio"/> 2001	

If you want to change the data point setting, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Select the data point option from the choices: **126**, **251**, **501**, **1001**, and **2001**.

General

General	
Description <input style="width: 100%;" type="text"/>	
Interference rejection	<input type="radio"/> On <input checked="" type="radio"/> Off

If you want to change the general setting of JD723C and JD724C, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Select the **Interference rejection** option between **On** and **Off**.

General

Description

Interference rejection ☐ On ☒ Off

Output power ☐ 0 dBm ☒ -30 dBm

Average


If you want to change the general setting of JD725C and JD726C, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Select the **Interference rejection** option between **On** and **Off**.
- 3** To set the level of the output power to be inserted, select the **Output power** option from the following choices:
 - **0 dBm** - To test your DUT's loss if it a passive RF device such as cable or filter.
 - **-30 dBm** - To test your DUT's gain if it is an active RF device such as amplifier.
- 4** To set the number of measurements to be averaged, complete the following steps:
 - a** Select the input box next to the **Average**.
 - b** Enter a value between one and five.

Cable

Cable	
Description	<input type="text"/>
Mode	<input checked="" type="radio"/> Auto <input type="radio"/> Manual
Propagation velocity	<input type="text" value="0.8800"/>
Cable loss (dB/m)	<input type="text" value="0.0720"/> @ 1 GHz
Cable name	<input type="text" value="HFC-12D (1/2')"/> <input type="button" value="Folder icon"/>
Display units	<input checked="" type="radio"/> Meter <input type="radio"/> Foot

If you want to select a standard cable from the list or define a new cable, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Select the **Mode** option between **Auto** and **Manual**:
 - **Auto** - It enables you to select a standard cable or define cable properties so that the instrument can set the cable setting for DTF measurement automatically. For detailed settings, go to step 3.
 - **Manual** - It disables you to define further details, but it allows you to set cable properties manually during the operation of your test wizard on the instrument.
- 3** If you have selected **Auto** for **Mode**, complete the following steps:
 - a** Select the **Display units** option between **Meter** and **Foot**.
 - b** Do one of the following:
 - To select a cable from the standard cable list, click the  icon, navigate to the cable of your choice, and then click the **Apply** button.
The propagation velocity and cable loss values are updated for the selected cable.
 - To define a custom cable, enter a value in the **Propagation velocity** field and then the **Cable loss** field.

Windowing

Windowing

Description

☒ Rectangular

☐ Blackman

☐ NSL (Nominal Side Lobe)

☐ LSL (Low Side Lobe)

☐ MSL (Minimum Side Lobe)

If you want to use one of the windowing options, do the following:

- 1 In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2 Select the windowing options from the choices: **Rectangular**, **Blackman**, **NSL**, **LSL**, and **MSL**.

RF power

RF power

Description

Frequency

1000.00

MHz

External offset

0.00

dB

Model

731A/B

Display

Average

Minimum

21.00

dBm

Maximum

52.00

dBm

Limit

Average

Minimum

21.00

dBm

Maximum

52.00

dBm

If you want to define the RF power task, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** In the **Frequency** field, enter a value in MHz.
- 3** In the **External offset** field, enter a value in dB.
- 4** Click the down arrow for **Model**, and then make sure to select one of the power sensors that you will connect later to the instrument. If a different power sensor is connected to the instrument when running your test wizard, you will encounter an error message on the instrument.
- 5** To set the display range of measurement results, complete the following steps:
 - a** Click the down arrow, and then select your desired option from the choices available for the selected power sensor model.
 - b** In the **Display Minimum** field, enter a value that you want to set as the minimum for the range.
 - c** In the **Display Maximum** field, enter a value that you want to set as the maximum for the range.
- 6** To set the limit for pass/fail criteria, complete the following steps:
 - a** Click the down arrow, and then select your desired option from the choices available for the selected power sensor model.
 - b** In the **Minimum** field, enter a value that you want to set as the lower limit.
 - c** In the **Maximum** field, enter a value that you want to set as the upper limit.

Optical power

Optical power			
Description <input type="text"/>			
Wavelength	<input type="radio"/> Auto	<input checked="" type="radio"/> Manual	<input type="text" value="1310"/>
Threshold	<input checked="" type="radio"/> On	<input type="radio"/> Off	<input type="text" value="-10.00"/>

If you want to define for the Optical power task , do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.

2 Select the **Wavelength** option between **Auto** and **Manual**:

- **Auto** - It disables you to specify details, but it allows the instrument to automatically detect the wavelength of the connected fiber during the operation of your test wizard on the instrument.
- **Manual** - It enables you to specify the wavelength and allows the instrument to set it to the value for your test wizard.

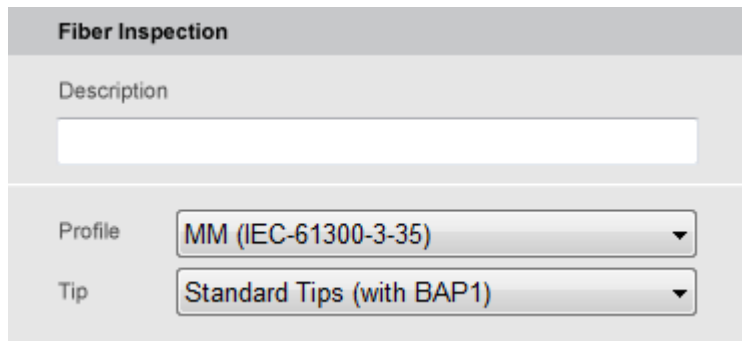
3 If you have set the **Wavelength** to **Manual** in step **2**, click the down arrow, and then select the wavelength that you want to set from the drop-down list.

4 Select the **Threshold** option between **On** and **Off**:

- **On** - It allows you to set a threshold value for pass/fail criteria and turns on the limit during the operation of your test wizard on the instrument.
- **Off** - It turns off the limit for pass/fail indication.

5 If you have set the **Threshold** to **On** in step **4**, enter a threshold value in the input field.

Fiber inspection



The screenshot shows a window titled "Fiber Inspection". It contains a "Description" label above a text input field. Below this, there are two dropdown menus. The first is labeled "Profile" and has "MM (IEC-61300-3-35)" selected. The second is labeled "Tip" and has "Standard Tips (with BAP1)" selected.

If you want to select the pre-configured profile for the fiber inspection and the probe tip type, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Click the down arrow for **Profile**, and then select your desired profile from the following choices:
 - MM (IEC-61300-3-35)
 - Ribbon, MM (IEC-61300-3-35)
 - Ribbon, SM APC (IEC-61300-3-35)
 - SM APC (IEC-61300-3-35)
 - SM PC (IEC-61300-3-35)

- SM UPC (IEC-61300-3-35)

Note: The list shows available pre-configured profiles that match with the pass/fail criteria in the IEC visual inspection standard.

- 3 Click the down arrow for **Tip**, and then select a probe tip that you want to set for the selected profile.

Bias tee

The screenshot shows a configuration window titled "Bias tee". It contains the following elements:

- A "Description" label above a text input field.
- A "Mode" section with two radio buttons: "Auto" (which is selected) and "Manual".
- An "Output" section with two radio buttons: "On" (which is selected) and "Off".
- To the right of the "Output" section is a numeric input field containing the value "12", followed by a "V" unit indicator.

If you want to set details for a DC bias, do the following:

- 1 In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2 Select the **Mode** option between **Auto** and **Manual**:
 - **Auto** - It enables you to set the DC voltage so that the instrument set its bias tee automatically during the operation of your test wizard on the instrument. For this setting, go to step 3.
 - **Manual** - It disables you to set the DC output voltage, but it allows you to set the voltage manually during the operation of your test wizard on the instrument.
- 3 If you have selected **Auto** for **Mode**, select the **Output** option between **On** and **Off**.
 - **On** - It enables you to enter a bias voltage so that the instrument can supply the set voltage during the operation of your test wizard on the instrument.
 - **Off** - It turns off the bias tee.

Note: You need to add the Bias tee task twice: one to turn it on and the other to turn it off.

- 4 If you have set the **Output** to **On** in step 3, enter an integer value between 12 and 32 for the DC output in the input field.

Results analysis tasks

Test Wizard Creator

You can use these tasks to analyze measurement and test results as you desire for your wizard-guided testing.

[Marker/Peak](#)

[Limit](#)

[Zoom zones](#)

[Hold](#)

[Auto scale](#)

Marker/Peak

Marker/Peak

Description

Marker	Type	Search mode	X value
None ▾	Off ▾	None ▾	0.00
None ▾	Off ▾	None ▾	0.00
None ▾	Off ▾	None ▾	0.00
None ▾	Off ▾	None ▾	0.00
None ▾	Off ▾	None ▾	0.00
None ▾	Off ▾	None ▾	0.00

Search between None ▾

☐ M1 to M2: M5

☐ M3 to M4: M6

☐ IF Marker: M1 ▾ Sign: > ▾ Axis: X ▾ Marker Value:

Do the following:

Comment	Image

+
-

If you want to define marker and peak properties and add a conditional prompt, do the following:



- 1 In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2 To set a marker or markers, complete the following steps:

- a** In the **Marker** column, click the down arrow and then select the marker number that you want to set from the choices: **M1**, **M2**, **M3**, **M4**, **M5**, and **M6**.
- b** In the **Type** column, click the down arrow and then select the marker type of the selected marker from the choices: **Normal**, **Delta**, and **Delta Pair**.
- c** Do one of the following:
 - In the **Search mode** column, click the down arrow and then select the search mode option from the choices: **Peak Search**, **Next Peak**, **Next Peak Left**, **Next Peak Right**, and **Valley Search**.
 - In the **X value** column, enter a X-axis value for the selected marker to be placed.

Note: If you set both of the Search mode and the X value, the Search mode you select is applied and the X value will be ignored in the instrument.

- 3** If you want to perform peak or valley search between two markers of M1 and M2 or M3 and M4, complete the following steps:
 - a** Click the down arrow for **Search between** and then select **Peak** or **Valley** as desired.
 - b** To do the search between M1 and M2, check the checkbox for **M1 to M2: M5**.
 - c** To do the search between M3 and M4, check the checkbox for **M3 to M4: M6**.

*Note: It is important that you set these markers in step 2 first so that you can be able to perform **Search between** properly on the instrument.*

- 4** If you want to add a conditional prompt based on a marker criteria you set here, complete the following steps:
 - a** Check the checkbox for **IF**, and then set the marker number, math sign, axis, and marker value.
 - b** Click the  icon to add a comment.
 - c** Type a comment in the **Comment** field.
 - d** To attach an image to the comment, click the **Attach** button, navigate to the file you want to attach, and then click the **Open** button.
 - e** To delete the attached image, click the **Del** button.
 - f** Click the **OK** button.
 - g** Click the  icon to delete the selected comment.




Limit

[illegible]

[illegible]

If you want to define pass/fail criteria for limit line or multi-segment limit line (MSL) and add a conditional prompt, do the following:

- 1** In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2** Select the limit type that you want to use between **Limit line** and **MSL**, do one of the following:
 - If you have set it to **Limit line**:
 - a** Select **On** for **Pass/Fail**, and then enter a threshold value.
The warning setting appears.

- b** If you want to add a warning line, Select **On** for **Warning**, and then enter a warning value.
- If you have set it to **MSL**:
 - a** Click the  icon.
 - b** Navigate to an MSL file with the `.fml` extension that you want to attach.
 - c** Click the **Open** button.
- 3** Select the **Pass/fail text display** option between **On** and **Off**. If you select On, the instrument displays text "Pass" or "Fail" in large font on the screen during the operation of your test wizard on the instrument.
- 4** If you want to add a conditional prompt based on the pass/fail result, complete the following steps:
 - a** Check the checkbox for **If fails, do the following**.
 - b** Click the  icon to add a comment.
 - c** Type a comment in the **Comment** field.
 - d** To attach an image to the comment, click the **Attach** button, navigate to the file you want to attach, and then click the **Open** button.
 - e** To delete the attached image, click the **Del** button.
 - f** Click the **OK** button.
 - g** Click the  icon to delete the selected comment.

Zoom zones

Zoom zones			
Description <input type="text"/>			
<input type="checkbox"/>	Zone 1	Start frequency	<input type="text" value="404.50"/> MHz
		Stop frequency	<input type="text" value="804.00"/> MHz
<input type="checkbox"/>	Zone 2	Start frequency	<input type="text" value="1603.00"/> MHz
		Stop frequency	<input type="text" value="2002.50"/> MHz
<input type="checkbox"/>	Zone 3	Start frequency	<input type="text" value="3201.00"/> MHz
		Stop frequency	<input type="text" value="3600.50"/> MHz
Peak / Valley in zoom zones			
Peak / Valley search		<input type="text" value="None"/> <div> None Peak all zones Valley all zones Peak and Valley all zones </div>	

If you want to define zoom zones and set peak and valley search option, do the following:

- 1 In the **Description** field, type the text you want to add, up to 256 characters with spaces.
- 2 Check the checkbox for **Zone [1 | 2 | 3]** zoomed-in zone that you want to enable, as needed.
- 3 In the **Start frequency** field for the selected zone, enter a value in MHz.
- 4 In the **Stop frequency** field for the selected zone, enter a value in MHz.
- 5 To turn on peak and/or valley search in the enabled zone(s), click the down arrow for **Peak/Valley search**, and then select the option from the choices: **Peak all zones**, **Valley all zones**, and **Peak and Valley all zones**.

Hold

This Hold task does not require you to set any details. It works the same as the physical **Hold** key on the instrument. To release the hold, you need to add this task again at the point where you want to stop holding a measurement.

Auto scale

This Auto scale task does not require you to set any details. It works the same as the physical **Auto Scale** key on the instrument.

Editing a test wizard

Opening a Test Wizard file

If you have a test wizard file that you have saved before, you can open it in Test Wizard Creator so that you can work on it further or modify it as desired.

To open from File Explorer

- 1 Open **File Explorer** on your computer.
- 2 Navigate to the file (.wzd) that you want to open.


Note: You can open a test wizard file that was created in Test Wizard Creator only. This program cannot open .wzd created in other programs.

- 3 Double-click the file. The Test Wizard Creator opens with the file.

Note: If the file was saved with a password, you must enter exactly the same password to be able to open it.

To open in the program

When you open a test wizard file in Test Wizard Creator, the instrument model number for the test wizard file must match with what you have selected at the beginning of the program. Otherwise, you will encounter an error message.

- 1 Open the **Test Wizard Creator** program on your computer.
- 2 Select the same CellAdvisor model as the test wizard file has been created for.
- 3 Go to **File > Open**. You can also click the  icon in the menu bar.
- 4 Navigate to the file (.wzd) that you want to open. The Open window displays the file's CellAdvisor Model information. If you see "Unknown Equipment" in the CellAdvisor Model field, you are unable to open the selected file in the program.
- 5 Click the **Open** button.

Note: If the file was saved with a password, you must enter exactly the same password to be able to open it.

Sending a test wizard to CellAdvisor

Sending a test wizard to CellAdvisor

After you have created and saved your test wizard file on your computer, you can copy it onto your CellAdvisor using a USB memory stick. You can also send it from your computer to the instrument if they are remotely connected via LAN or USB.

To set up communication with CellAdvisor

Using wired or wireless LAN

- 1 Make sure to connect both your computer and the instrument to the same network using TCP/IP IPv4 or TCP/IP IPv6.
- 2 Take the IP address that has been assigned to the instrument.
- 3 In Test Wizard Creator, go to **Settings > Communication**.
- 4 Select the connection method option, TCP/IP (IPv4) or TCP/IP (IPv6), depending on your network connection in step 1.
- 5 Enter the instrument's IP address you have taken in step 2.
- 6 Click the **Close** button.

Using USB

- 1 Connect your computer and the instrument using a USB A to Mini B cable: A plug to the computer and Mini B plug to the instrument.
- 2 In Test Wizard Creator, go to **Settings > Communication**.
- 3 Select **USB** for the connection method.
- 4 Click the **Close** button.

To send a file to CellAdvisor

After you have set up the communication with your CellAdvisor, you can send a file from your computer to the instrument.

- 1 In Test Wizard Creator, go to **File > Send to EQP**.
- 2 Click the **Browse** button.

- 3** Navigate to the test wizard file (.wzd) that you want to copy onto the instrument.
- 4** Click the **Open** button.
- 5** Click the **Send** button to start to transfer.
The confirmation box appears with "Completed file transfer".

Note: A test wizard file that you send using Send To EQP is stored in the root directory of the internal memory of the instrument. It is recommended that you create a directory and move the file to it before running it on the instrument.

- 6** In the confirmation box, click the **OK** button.
- 7** Click the **Close** button to dismiss.

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