TestDataPro
User Guide

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User Guide

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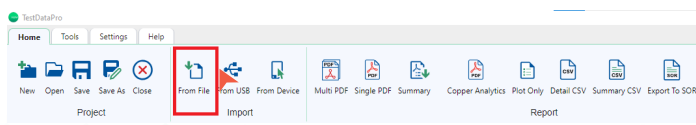
1 Create a New Project

- Launch TestDataPro.
- In the [Project] group, click [New] or [Create] to create a new project.
- Save the new project in any location on the PC.

2 Import Test Results

There are multiple ways to import test results to the PC using TestDataPro: [From File], [From USB] and [From Device].

To upload test results using the cloud, go to this link:

23 TestDataPro Cloud

- **[From File]:** To retrieve test results saved in the PC, click [From File] in the Import group of TestDataPro, browse to the location where the test results are saved, select all the test results and click [Open]. Note: test result files will have a .tpd file extension.
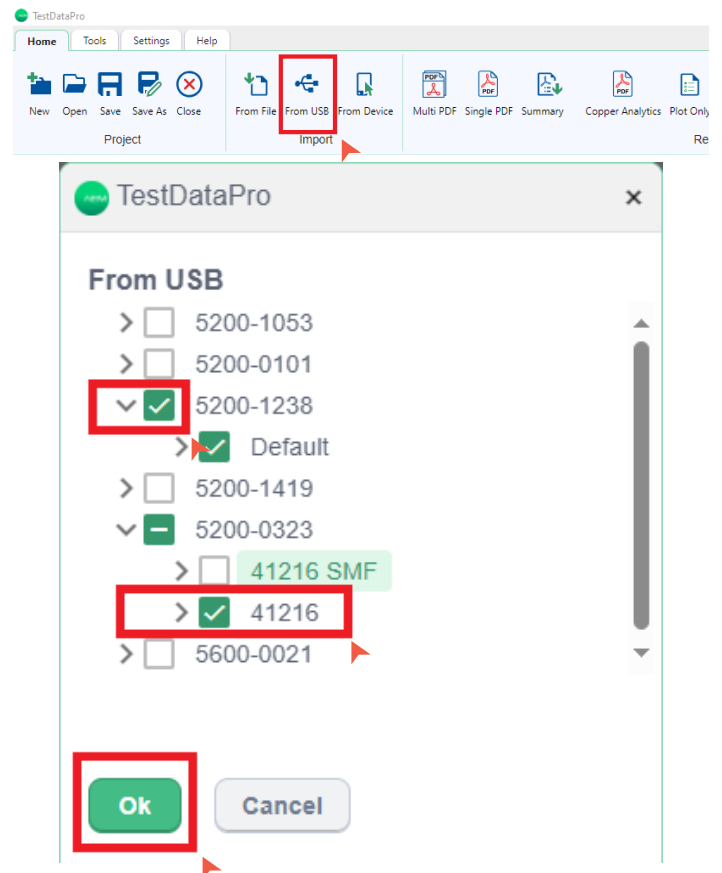
- **[From USB]:** To retrieve test results saved in the USB flash drive, click [From USB]. TestDataPro will scan the USB flash drive for test results and display it according to tester serial number(s) and project name(s). To import all, select all the serial numbers and click [Ok]. To import a specific project, expand the list, choose the project and click [Ok].
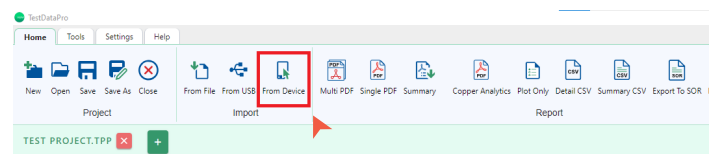
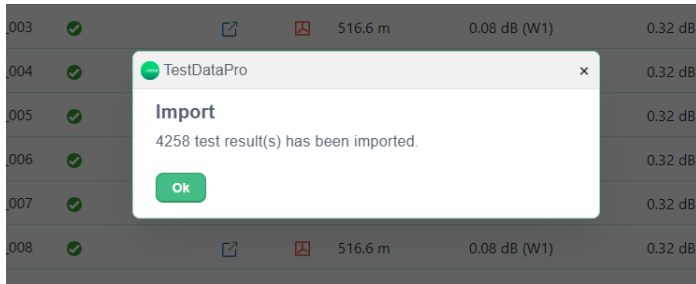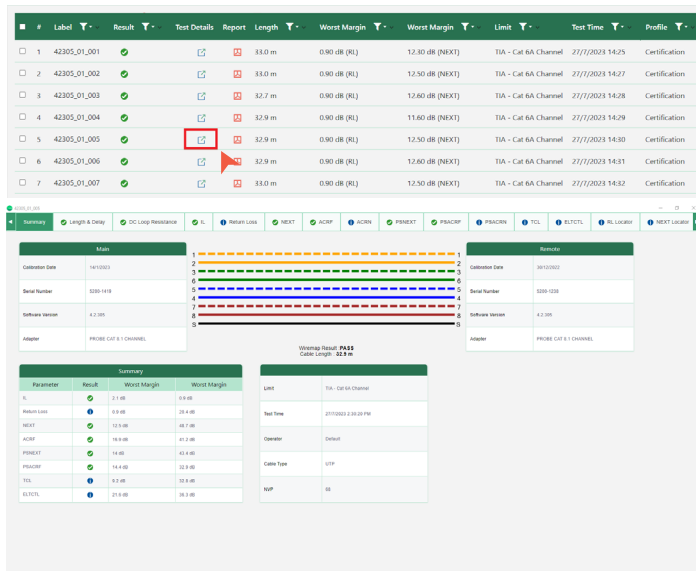- **[From Device]:** To retrieve test results directly from the tester, attach the tester to the PC via the micro-USB cable provided. Click [From Device] in the Import group. A dialog box will confirm successful import.

3 View Test Results

- Import the test results to TestDataPro.
- To view any of the test results, click ⬀ .
- The user will be routed to the summary page of that test result.
- Click ⬛ to generate a test report in PDF format.
- The user will be routed to a page showing a detailed test report.

4 Generate PDF Reports

There are 3 ways to generate PDF reports:

- **[Multi PDF]** will export all selected test results into individual PDF files.
- **[Single PDF]** will combine all selected test results and export to a single PDF file with a summary.
- **[Summary]** will export to PDF the summary of test results.

Report: 42305_01_005 — Pass

Test Time	: 27/7/2023 2:30:20 PM
Project	: 4.2.305 CU OVNT
Profile	: Certification
Operator	: Default
Cable Type / NVP	: Generic Cat 6A , 68%
Connector	: Generic Cat 6A

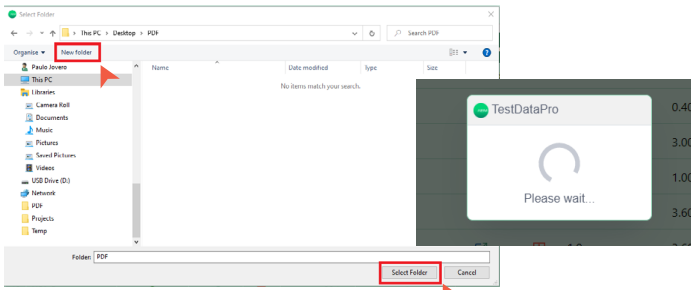|	
Limit	: TIA - Cat 6A Channel
Model	: TestPro CV100
Serial Number	: Main: 5200-1419, Remote: 5200-1238
Device Software	: Main: 4.2.305, Remote: 4.2.305
Calibration Date	: Main: 14/1/2023, Remote: 30/12/2022
Main Adapter	: PROBE CAT 8.1 CHANNEL, S/N: 12022
Remote Adapter	: PROBE CAT 8.1 CHANNEL, S/N: 12021

Parameter	Result	Pair	Value	Limit
Length(m)	Pass	45	32.9	100.0
Prop Delay(ns)	Pass	36	164.0	555.0
Delay Skew(ns)	Pass	36	2.0	50.0
DC Loop Resistance(Ω)	Pass	78	6.155	25.000
Res. Unbal, pair-pair(Ω)	Info	45-78	0.149	0.203
Res. Unbal, wire-wire(Ω)	Info	78	0.468	0.200

Wiremap Result: Pass — T568B

RF Parameters

| Parameter	Result	Main Worst Margin Pair	Main Worst Margin Margin(dB)	Main Worst Margin Limit(dB)	Main Worst Margin Freq(MHz)	Main Worst Value Pair	Main Worst Value Value(dB)	Main Worst Value Limit(dB)	Main Worst Value Freq(MHz)	Remote Worst Margin Pair	Remote Worst Margin Margin(dB)	Remote Worst Margin Limit(dB)	Remote Worst Margin Freq(MHz)	Remote Worst Value Pair	Remote Worst Value Value(dB)	Remote Worst Value Limit(dB)	Remote Worst Value Freq(MHz)
Return Loss	Info	36	0.9	19.0	1.15	36	15.4	6.0	492.00	36	0.9	19.0	1.15	36	14.4	6.0	455.00
IL	Pass	12	2.1	3.0	1.60	12	0.9	3.0	1.60	-	-	-	-	-	-	-	-
NEXT	Pass	36-78	13.0	39.9	101.00	36-78	41.5	26.6	480.00	12-36	12.5	39.8	101.50	45-78	42.1	26.4	488.00
PSNEXT	Pass	36	14.1	37.2	97.75	45	38.5	23.2	500.00	12	14.0	37.2	98.25	78	40.6	23.8	476.00
ACRF	Pass	45-12	16.9	52.4	3.55	45-36	29.8	9.3	500.00	12-45	17.4	49.5	4.90	36-45	29.8	9.3	500.00
PSACRF	Pass	45	14.4	60.3	1.00	36	28.1	6.3	500.00	12	16.4	59.2	1.15	45	27.6	6.3	500.00
TCL	Info	78	10.4	40.0	4.60	36	25.3	9.6	492.00	45	9.2	19.6	107.00	36	23.6	9.6	491.00
ELTCTL	Info	12	23.1	30.0	1.00	12	25.7	1.8	25.75	12	21.6	2.7	23.05	12	24.3	2.7	23.05

Launch TestDataPro and open the project to be exported. Select all test results by pressing Ctrl + A on the PC keyboard or by clicking ▣ # the button located on the top left corner. In the top menu, select one of the 3 options as required.

- A [Browse For Folder] dialog box will appear. Select the location where the data is to be saved or click [Make New folder]. Click [OK] to confirm the request.
- A dialog box showing the status of all files being loaded will appear. Wait for all files to be uploaded (100%).
- Once the files have loaded successfully, it will show all the PDFs in the selected location.

5   TestDataPro Analytics

TestDataPro Analytics is a systematic computational analysis of test results in a single of multiple projects that contains hundreds, or thousands of test results. It will interpret the data then provides a graphical view of the measurements or display the statistics with meaningful patterns. Users can create analytics and save it as a template. It can contain one measurement or all measurements available in the tester. Multiple analytics template can be created in TestDataPro.

The analytics tool provides the user with the ability to scrutinize trends in test results which assists in troubleshooting issues like marginal results or failures to determine if there is a commonality among them such as tester serial number, operator, connector or cable, date/time, test limit, etc.
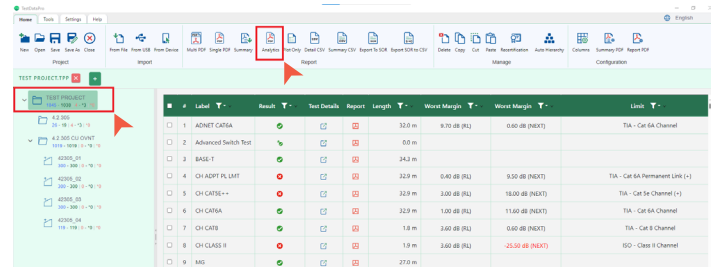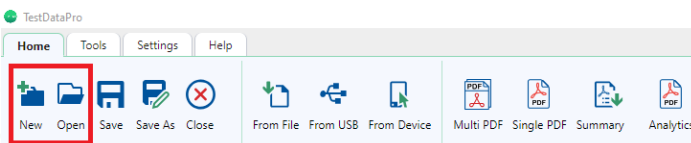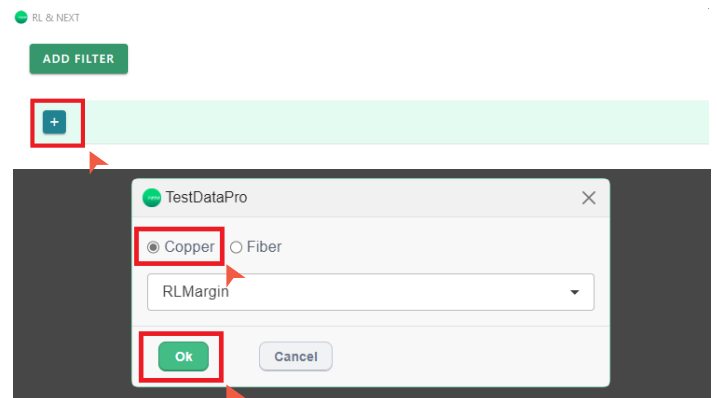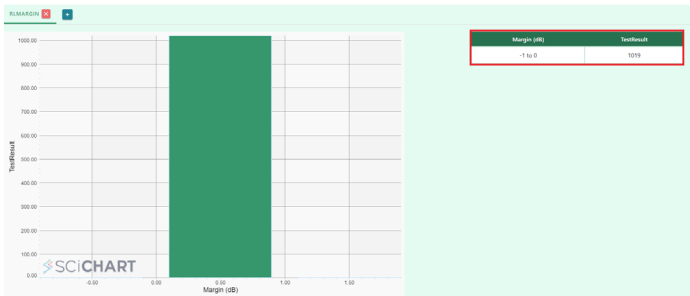

To create copper analytics:

- Launch TestDataPro and create a new project or open an existing project. In this example, the project has over a thousand test result (1045 test results). Select [Analytics]. Analytics opens in a new window.
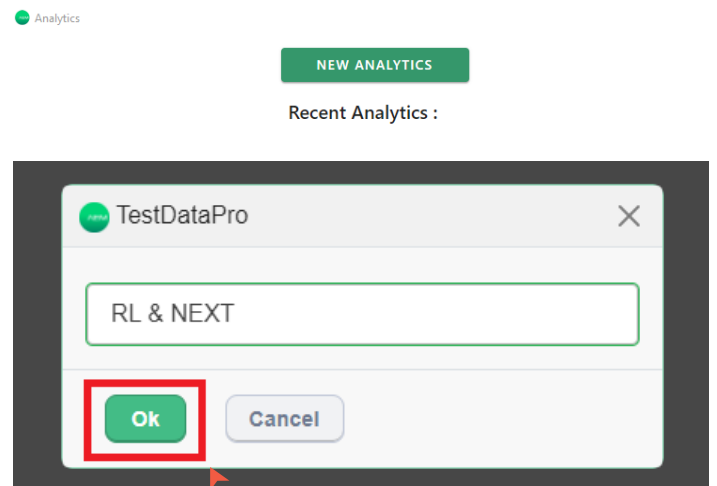

- To create a new analytics, select [New Analytics].
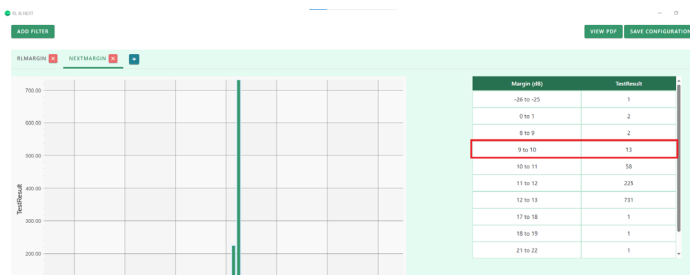- Key in a name for the new analytics and click [Ok]. Example: "RL & NEXT"

- RL & NEXT analytics window is open.
- Click ➕ to add one or more measurements.
- Select Copper. Only copper measurements will be available in the drop down menu. Select RLMargin and click [Ok]. TestDataPro automatically displays the Return Loss Margin. In this example, 1036 out of 1045 were copper test results are displayed in the graph.
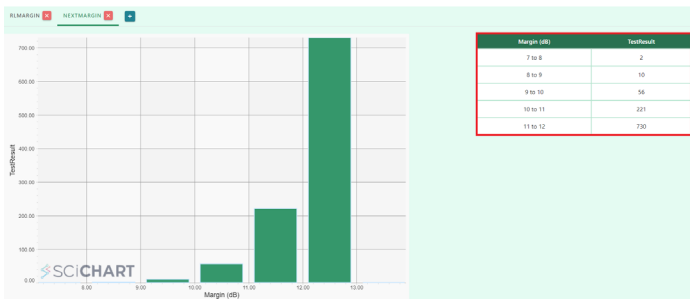

- Click ➕ again and select NEXTMargin in the selection.
- Return Loss and NEXT Margin are the two measurements added in Copper Analytics. For NEXT measurement, 1 result has NEXT margin of -26 to -25 dB, 2 results has NEXT margin in the range of 0 to 1 dB, 2 results 8 dB to 9 dB, 13 results range of 9 dB to 10 dB, 58 results range of 10 dB to 11 dB, 225 results range of 11 dB to 12 dB, 731 results range 12 dB to 13 dB margin and so on.
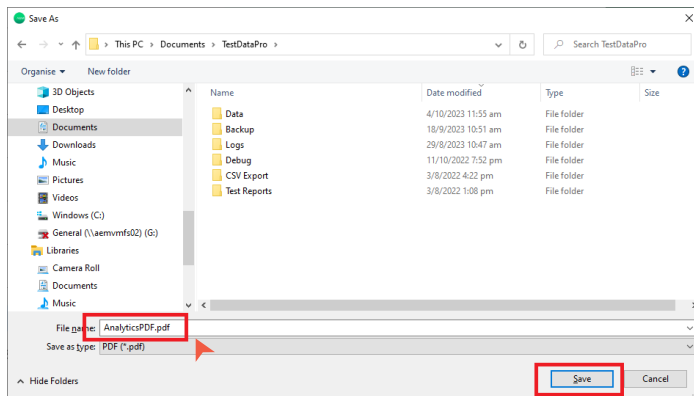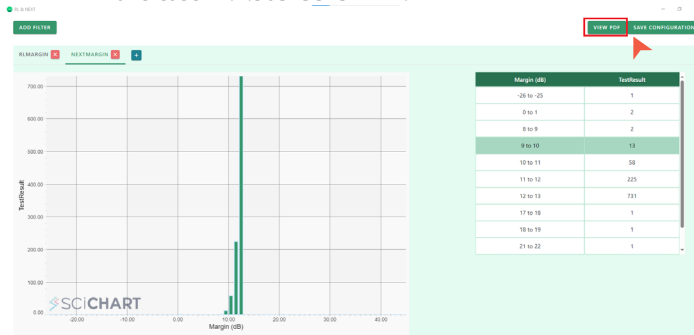

- To view test results of certain margin i.e.. 9 dB to10 dB, click on the fourth row.
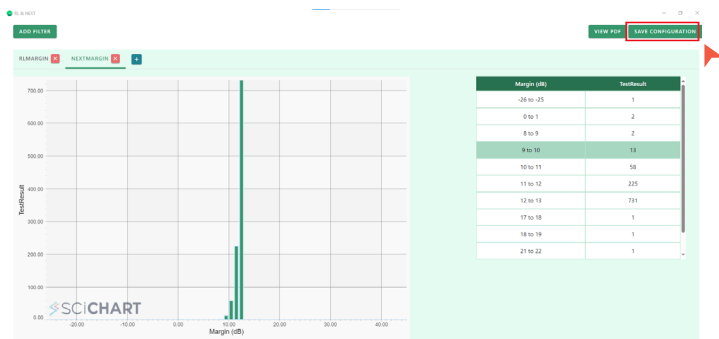- Analytics will display these 13 test results
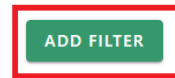
- To Filter according to Operator, Project or Profile, simply click [Add Filter].
- Click on the [Operator] drop down-menu and choose [Project].
- All the projects will be available in the drop-down menu in this case "4.2.305 CU_OVNT".

- To view the analytics in PDF format, click View PDF.
- Save the Analytics PDF in any location in the PC.

- To save the RL & NEXT analytics configuration, click [Save Configuration].

6 Export Test Results to CSV

Test measurements in CSV format are useful for troubleshooting, plotting, graphing and post processing test results. This function offers flexibility to users to have a detailed view of test limits, measurements and frequencies.

TestDataPro provides three options to export the test results into a CSV file:

- **[Plot Only]** exports the measurement parameters only (i.e. insertion loss, return loss, NEXT and PSNEXT).
- **[Detail CSV]** exports the test summary and all the measurement parameters.
- **[Summary CSV]** exports the summary of the selected test result.
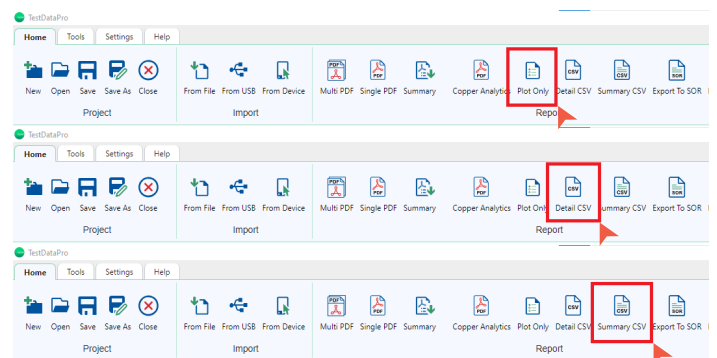
- To generate a CSV file containing test measurements only, select all test results and click [Plot Only] in the Report group.
- To generate a CSV file containing test measurements and a summary of the tests, select all test results and click [Detail CSV] in the Report group.
- To generate a CSV file containing a test summary only, select all test results and click [Summary CSV] in the Report group.
- A [Browse For Folder] dialog box will pop up. Select the location where the data is to be saved. To save the data in a new folder, click [Make New folder] and then click [OK].
- User will be routed to a loading page. Wait for all files to be uploaded (100%).
- Once all files have successfully loaded, their locations will be displayed.
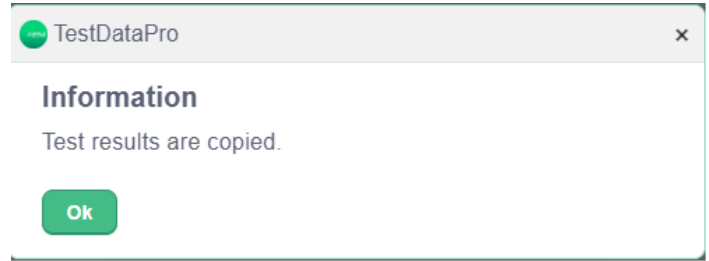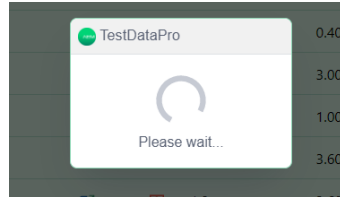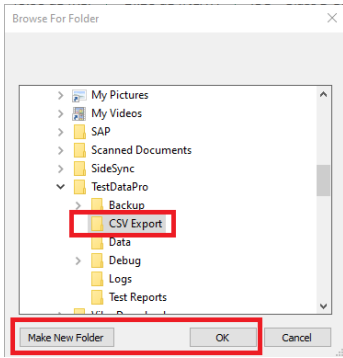
- A dialog box [Information: Test results are copied] comes up. Click [OK]. Close the current project and create a new project or open an existing project to paste.

7   Edit Project Contents
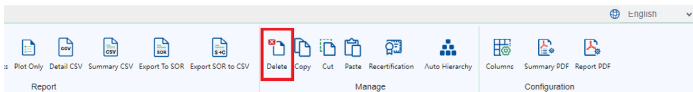
- To delete a test result, simply choose the result and click [Delete]. To delete multiple results, press [Ctrl] on the keyboard and click the individual result or [Ctrl + A] to select all and then click [Delete].
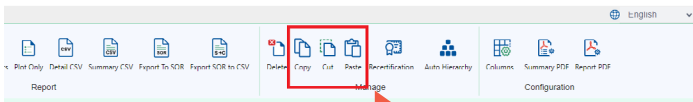

- To copy a test result from a project to another, use the [Copy] and [Paste] function.
- To move a test result from a project to another, use the [Cut] and [Paste] function.
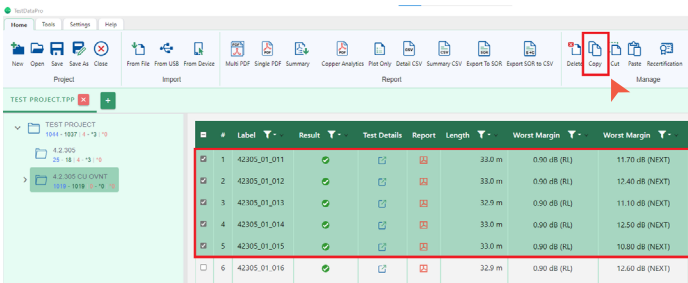
- Open an existing project
- Select a test result to be copied and then click [Copy]. To select multiple test results, press [Ctrl], select the results and then click [Copy]. To select all, press [Ctrl + A] and click [Copy].
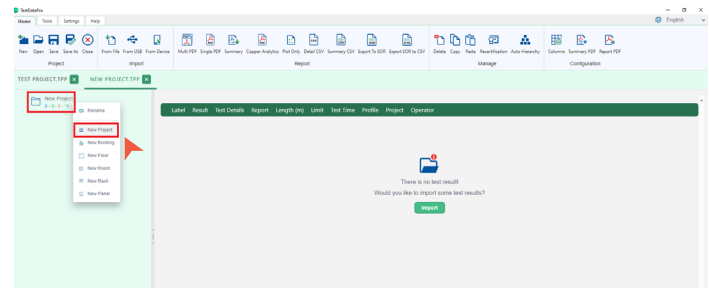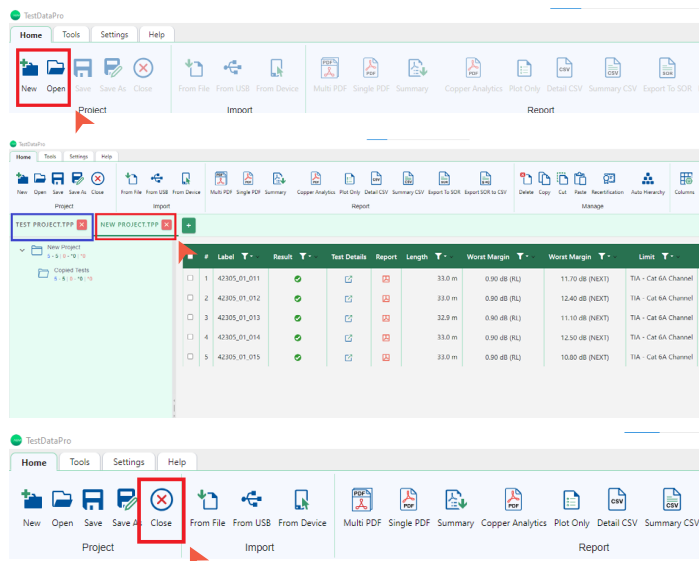

- To paste the result, start another instance of TestDataPro, and either [Open] an existing project
or create a [New Project] and in the hierarchy of choices, select [New Project].
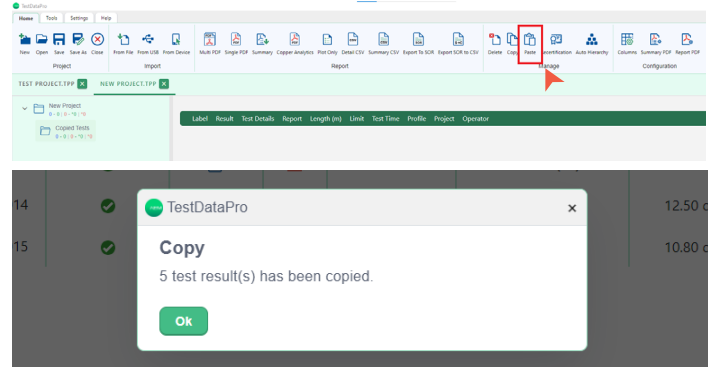
- Click [Paste].
- The test results will be copied to another project.

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8 Opening multiple projects in tabs

- To open an existing project click [Open] in the [Project] group.
- Browse to the location of the project and click [Open].
- To open another project, click [Open] in the [Project] group and browse to the location of the project and click [Open].
- To close the project, click [Close].
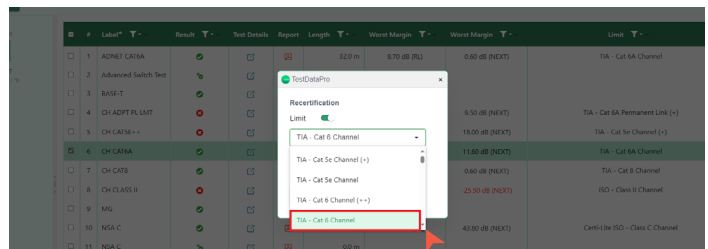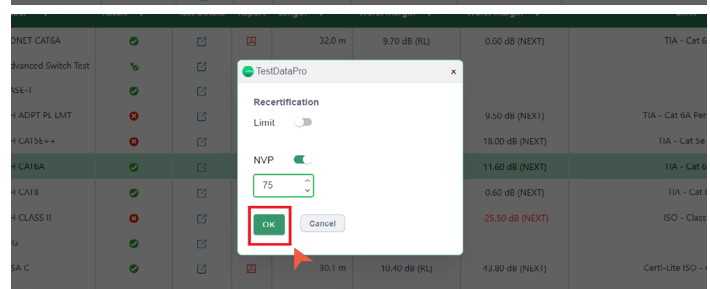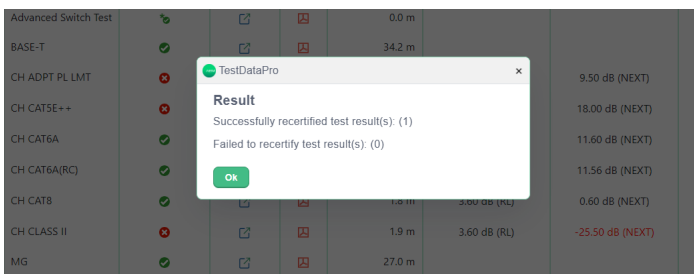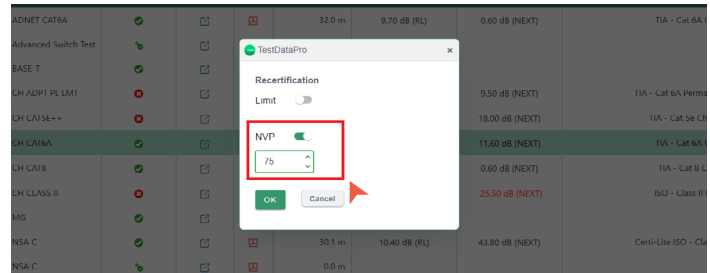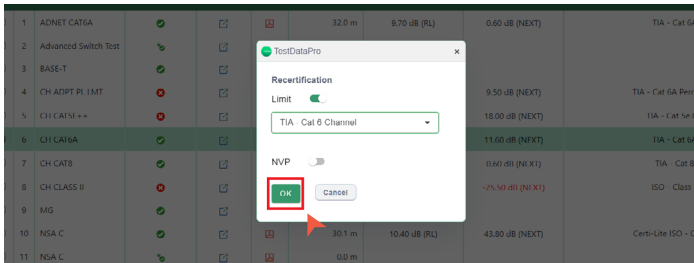 The most recent projects will be shown.
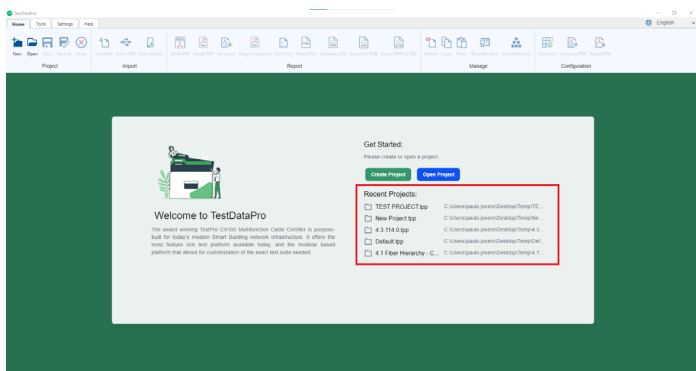
9 Recertification

TestDataPro's PC recertification feature allows users to reevaluate existing test results using different test standards and NVP values. Recertify CAT5E, CAT6 and CAT8 TIA standard test results to CAT6A Channel or CAT6A permanent link adapters or ISO Class E, Class I and Class II standards to Class EA Channel and permanent link adapters.
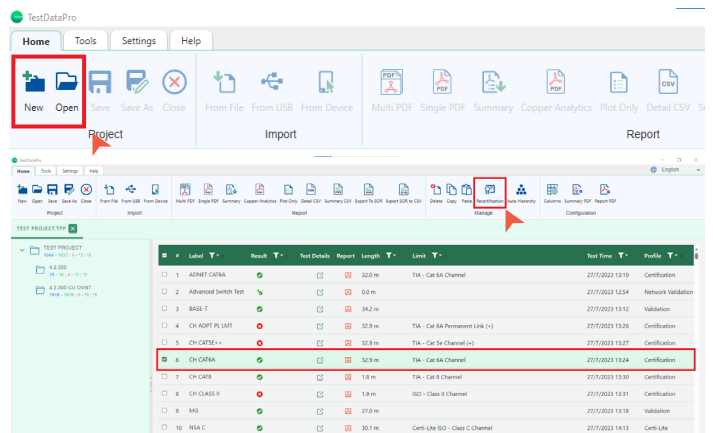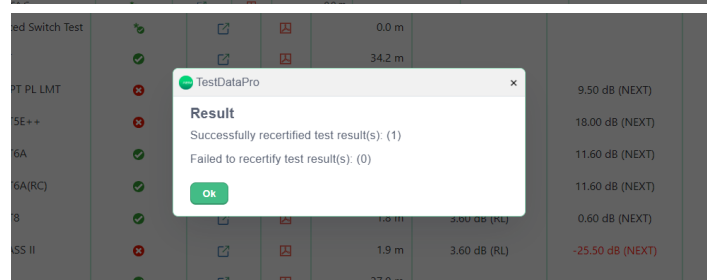

- Select [New] or [Open].
- Select a specific test result, or select all - [Ctrl + A] and then click [Recertification]. To recertify the limit, enable limit. To recertify NVP, enable NVP or both limit and NVP.
- To recertify limit, select the test limit required for recertification in the drop down menu (i.e CAT 6 Channel to CAT 6A Channel).
- Click [OK]. TestDataPro will commence recertification to CAT6A Channel Limit.

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- When recertification is completed, a summary of successful and failed recertifications will be shown. Note: Recertified test results will (RC) suffix in label name and this cannot be renamed to a new label id, permanent link limit cannot be recertified to a Channel limit and vice versa, CAT 5 and Class C test results cannot be recertified to CAT 6A limit.
- The limit column will show the test results recertified to CAT6A Channel Limit.

- View the test results. The new limit will also be included in the report.
- For NVP recertification, type in the NVP value required for recertification in the NVP field.
- Click [OK]. TestDataPro will commence recertification to the new NVP value.
- Once recertification completes, a dialog box will display a summary of successful and failed recertifications.

10   Auto Hierarchy

The [Auto Hierarchy] function automatically arranges the test results according to building, floor, room, rack, panel and label. To use this feature, test results should be saved according to a label scheme i.e. B01-F03:R10/L45, where B01 is building 01, F03 is floor 03, R10 is room 10 and L45 is the label 45 in the port.
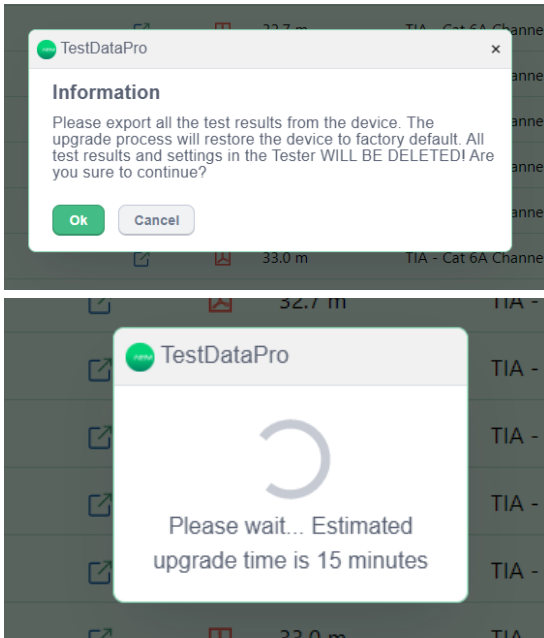
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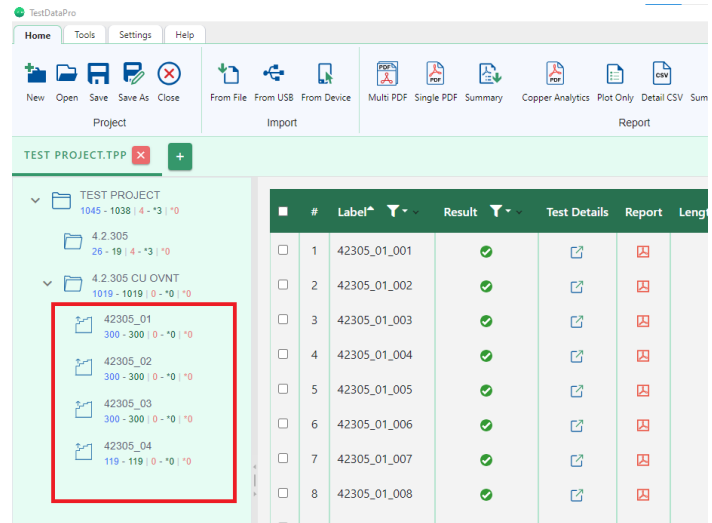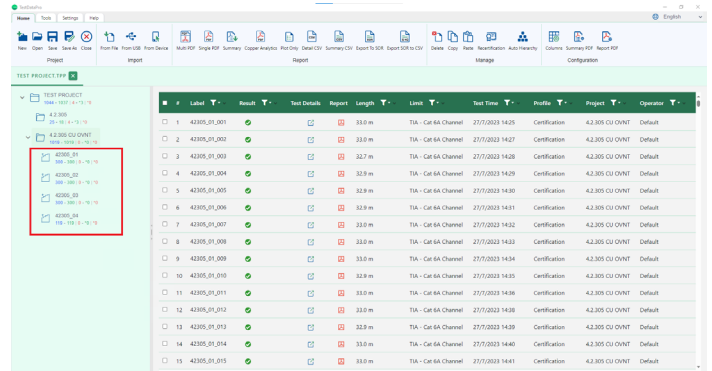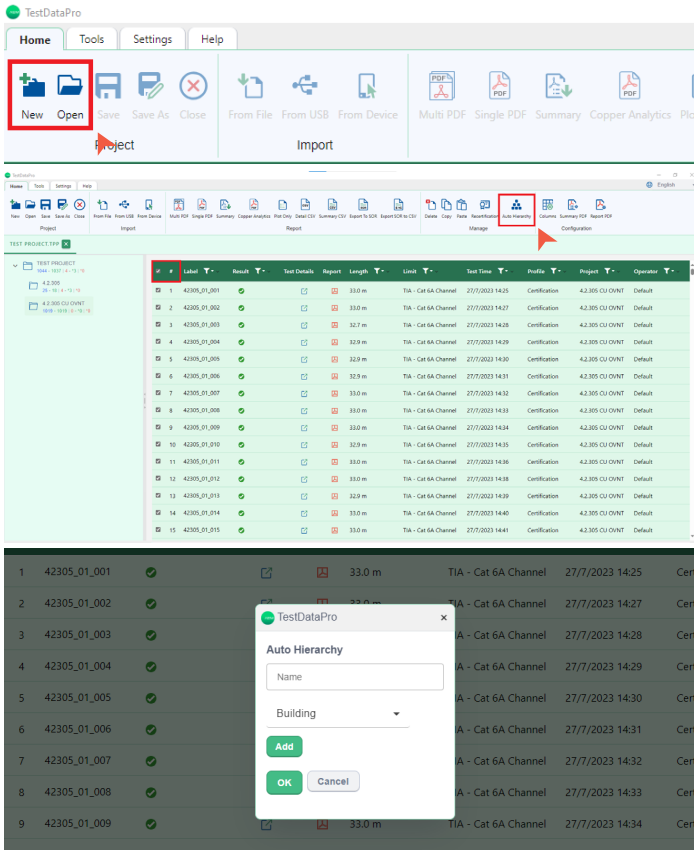
- Click [New] to create a new project and import test results or [Open] to open an existing project.
- Select all test results that needed to go into Auto Hierarchy. Click [Auto Hierarchy]. The Auto Hierarchy dialog box will be displayed.
- In the [Name] field, key in the name of the hierarchy according to the label format. For a label format of 42305_XX, key in the 42305_01 and choose any hierarchy from the drop down list i.e Panel.

- To Add a hierarchy, click [Add].
  Key in the other label format in the 2nd [Name] field i.e '000', select a hierarchy i.e [Label] and click [OK].
- TestDataPro will start the auto hierarchy.
- A new hierarchy will be created.

## 11   Firmware Upgrade using TestDataPro
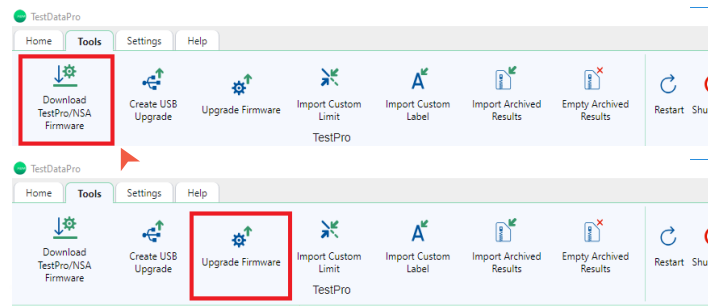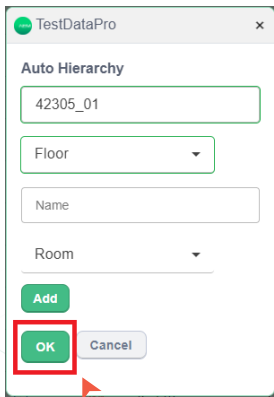
- Launch TestDataPro and connect the TestPro unit to the PC's USB port via micro USB.
- Attach a power supply to the TestPro unit.
- In the [Tools] menu group, click [Download TestPro/NSA Firmware].
- The zip file can be saved in any location in the PC.
- Once the download is complete, select [Upgrade Firmware] and browse to the location of the zip file. Select OSUpgrade.zip. and click [Open].
- A dialog box will remind users to back up their test results before proceeding with the firmware update. Click Ok to continue.
- The firmware update will commence. The estimated time for completion of the entire process is 15 minutes.
  Note: TestPro will reboot multiple times to complete the upgrade.

Unzipped USB Upgrade

AEM provides an alternative way for users to upgrade the firmware and this method requires USB flash drive formatted as FAT32 inserted in the PC USB port.
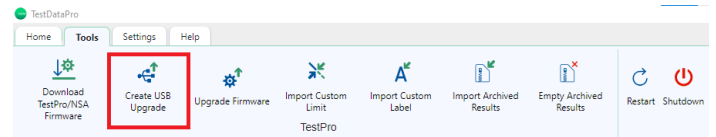
- Download the tester firmware and save OSUpgrade.zip in any location in the PC.
- Launch TestDataPro, click [Tools] and click [Create USB Upgrade}.
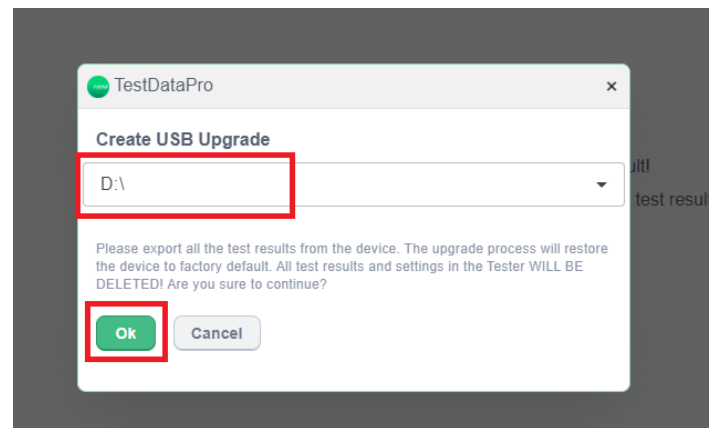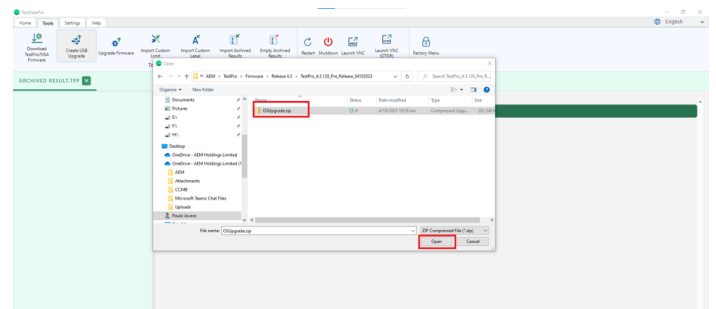
- Browse to the location of OSUpgrade.zip, select the file and click [Open].
- In the Create USB Upgrade dialog box, select the USB flash drive and select [Ok].
- TestDataPro will extract the OSUpgrade.zip file and copy the extracted OSUpgrade folder to the chosen USB flash drive.

To perform unzipped firmware upgrade:

1. Power off the tester and connect the power supply.
2. Insert the USB flash drive that contains the extracted OSUpgrade folder.
3. Turn on the tester.
4. Wait for the upgrade to complete.
5. Remove the USB Flash drive

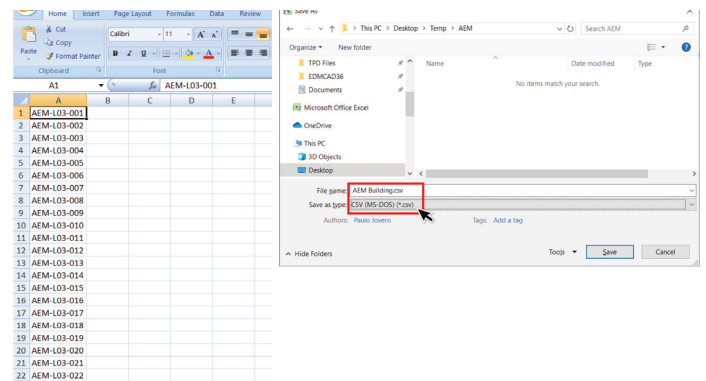## 12   Importing Custom Limit
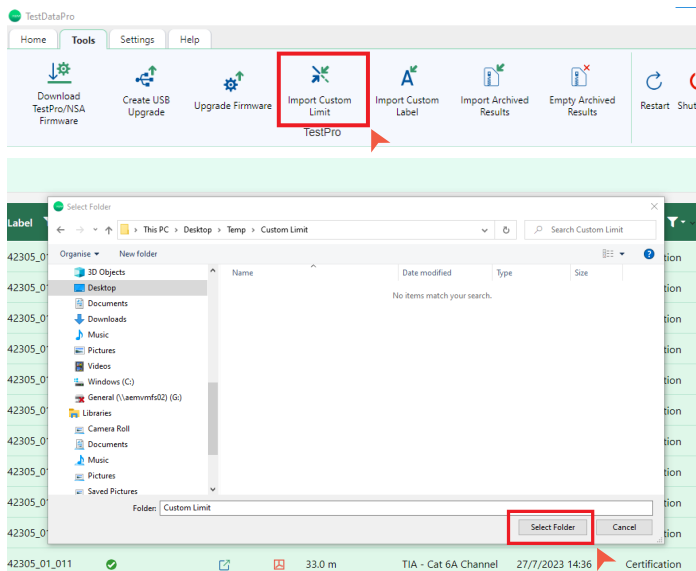
- Connect TestPro/NSA to the PC using a micro-USB cable. In the [Tools] menu group, click [Import Custom Limit].
- A [Browse For Folder] dialog box will appear. Search for the folder where the limit is saved and click [OK]. Note: ensure that the file is in CSV format.
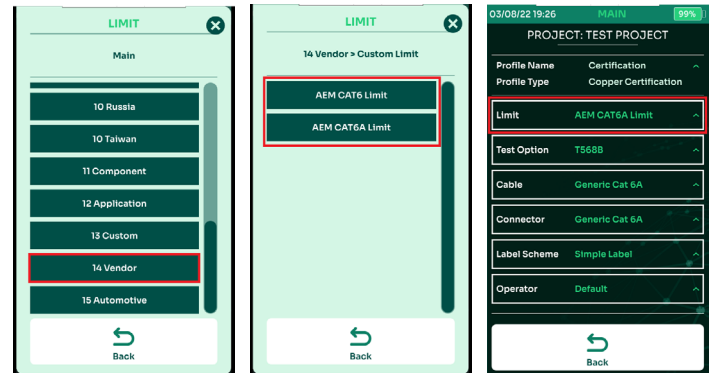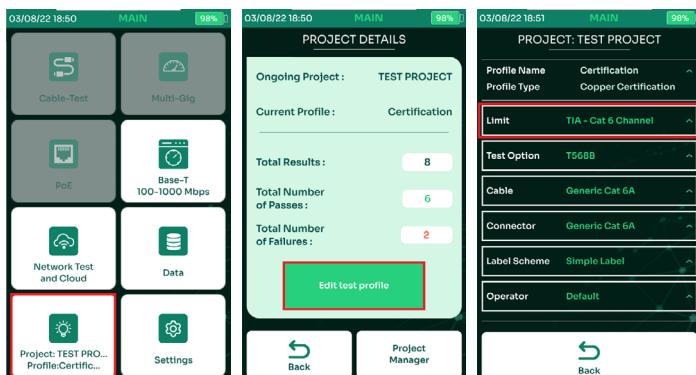
- On the TestPro/NSA home screen, click [Project/Profile].
- Select [Edit Test Profile].
- User will be routed to the screen [Project: TEST PROJECT].
- Select [Limit].
- Select [14 Vendor].
- Select the limit i.e. [AEM CAT6A Limit].
- User will be routed to the screen [Profile: TEST PROJECT], where in the [Limit] category, the selected limit will be indicated.

13   Creating Custom Labels

TestDataPro supports the importing of predefined labels (also known as 'custom labels') in CSV format. This will help testers follow a set of pre-defined labels in testing. TestDataPro will help track the status of the tests by displaying the untested labels first. This display can be sorted according to user needs.
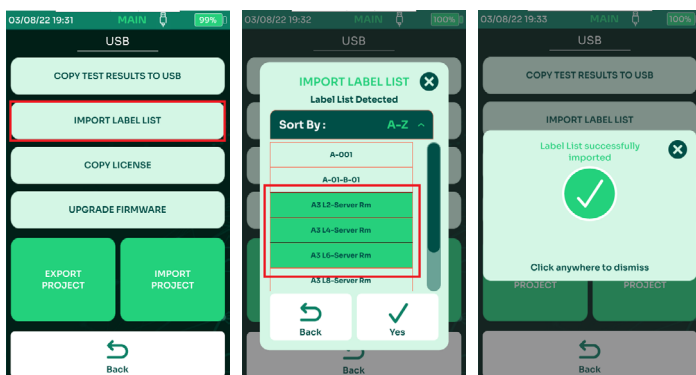

- Launch Microsoft Excel and enter the desired label name in Column A.
- Save the file in CSV (MS-DOS) format.

TestDataPro
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14   Importing Custom Labels
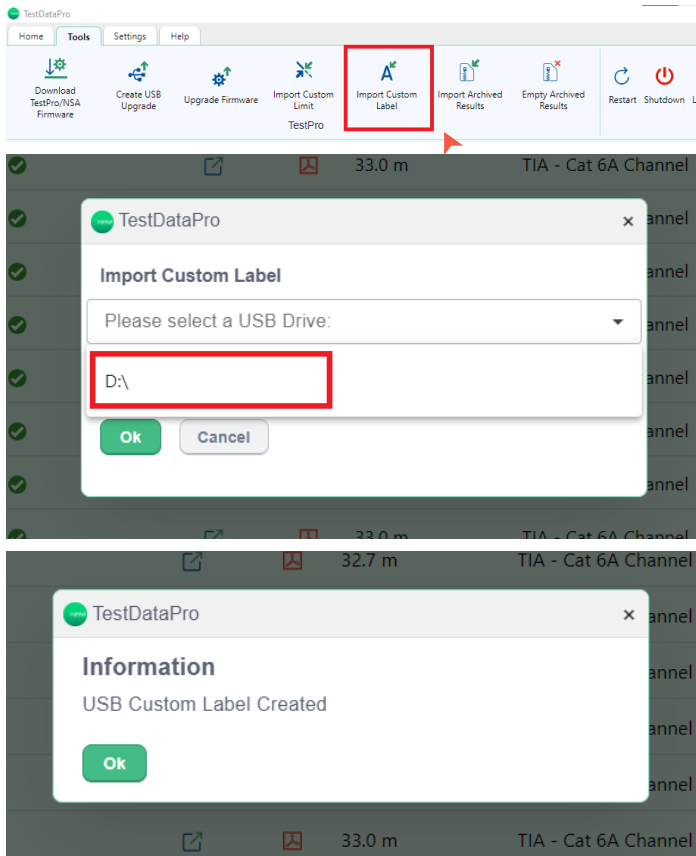
- Open TestDataPro and click [Import Custom Label] in the [Tools] menu group.
- Browse through the PC for the Excel files in CSV format and click [Open].
 Select the USB flash drive and click [OK].   .

- A dialog box will confirm successful completion of the task.
- Insert the USB flash drive into the TestPro/NSA unit. User will be routed to a [USB] screen. Select [Import Label List].
- A list of CustomLabels saved in the USB flash drive will show up. Choose any label and select ✓ .
- A dialog box will confirm successful import.
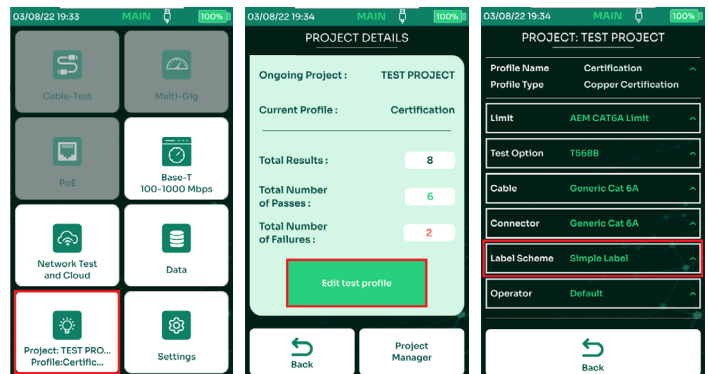
- In the main menu, select [Project/Profile].
- Select [Edit Test Profile].
- Select [Label Scheme: Simple Label].
- Select [Edit].
- Select the custom label i.e. [A3 L4-Server Rm] and select [Save].
- A preview of the selected custom labels will be displayed. Select ✖ to exit the label scheme.
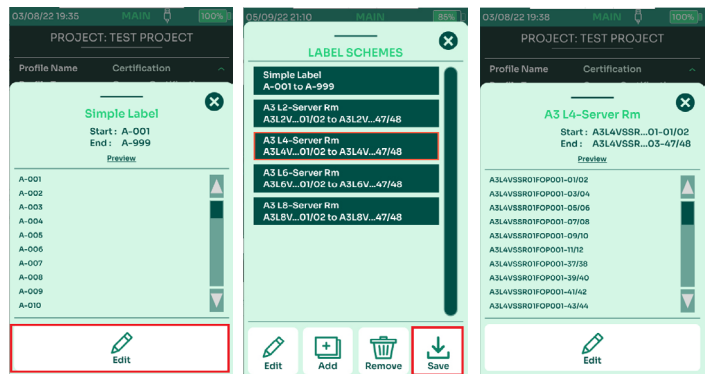
15 Importing Archived Results
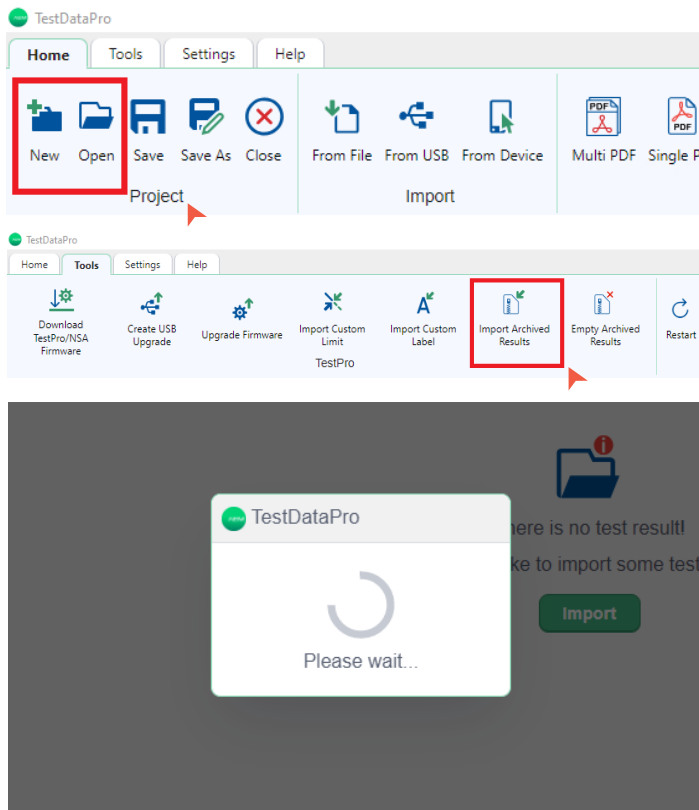
- Connect a USB cable from the PC to the TestPro/NSA USB port. Launch TestDataPro and either create a new project or open an existing project.
- Click [Import Archived Results] under the [Tools] menu.
- TestDataPro will start copying archived test results from the TestPro to your PC.

16 Empty Archived Results
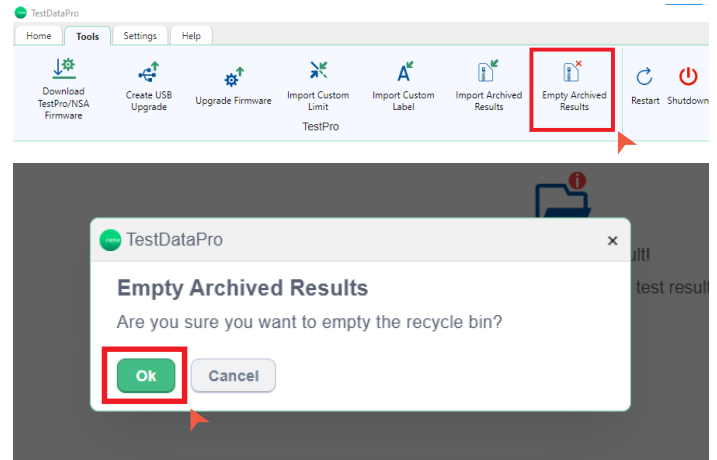
When users delete a test result, delete the entire project or upgrade the firmware, all the saved test results inside TestPro/NSA are moved to the recycle bin for backup purposes. If the device is running low in storage space or for good house keeping, users can choose to empty the contents of the recycle bin by deleting the test results permanently.

- Connect a USB cable from the PC to the TestPro/NSA USB port.
- Launch TestDataPro and click [Empty Archived Results] under the [Tools] menu.
- TestDataPro will ask for confirmation. Click OK.

17 Restart and Shutdown
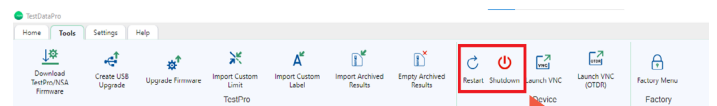
TestDataPro provides the tools to reboot the connected tester or shut it down completely.

- Connect device to the PC.
- Launch TestDataPro and select [Tools].
- Click [Restart]. TestDataPro reboots the connected tester. [Shutdown] will turn off the connected device.
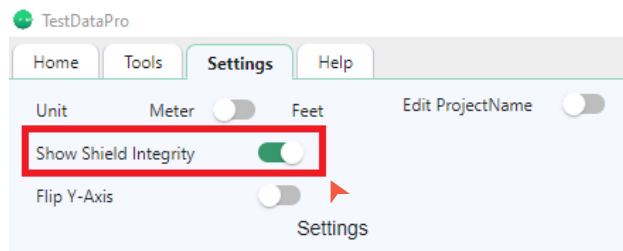
18 Settings

i. Unit

TestDataPro provides a number of different options on units of measure.
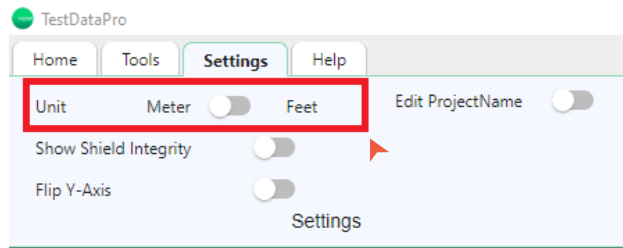
- Launch TestDataPro.
- Select [Settings] tab.
- Toggle between [Meter] and [Feet] depending on the requirements.
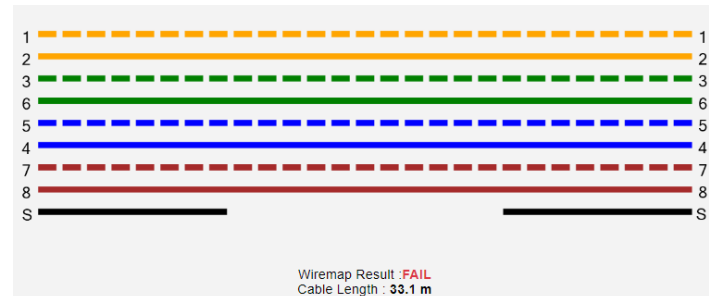
ii. Show Shield Integrity

TestDataPro's Show Shield Integrity feature is used to view the shield continuity of the shielded cable. Users can see the distance to fault of the cable when the shield is open or when the shield structure of the patch cord and cable under test are different. TestDataPro will display the distance to where the shield issue is in the wiremap screen of the test details and PDF report.
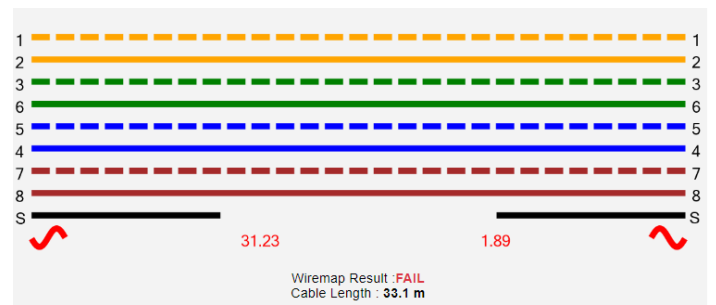

To turn on Show Shield Integrity viewing

- Launch TestDataPro and click [Settings].
- Toggle the Show Shield Integrity.
- Open Test Details to view the test result or generate a PDF report.

In the example shown: the total cable length is 33.1 meters of which TestDataPro shows shield discontinuity at 31.23 meters away from the tester main unit and 1.89 meters away from the tester remote unit.
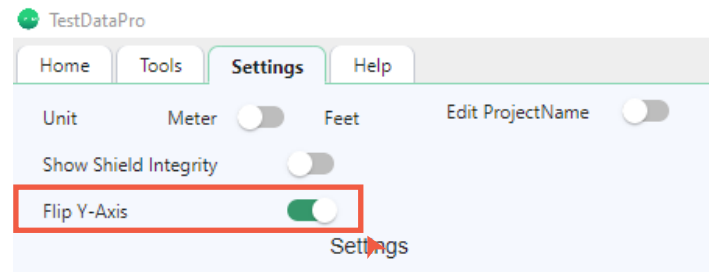

Wiremap Result :**FAIL**
Cable Length : **33.1 m**

Show Shield Integrity: OFF

31.23   1.89

Wiremap Result :**FAIL**
Cable Length : **33.1 m**

Show Shield Integrity: ON

iii. Flip Y-Axis

Some users prefer to view the graph upside down or opposite to what is normally shown in TestDataPro. To do this,
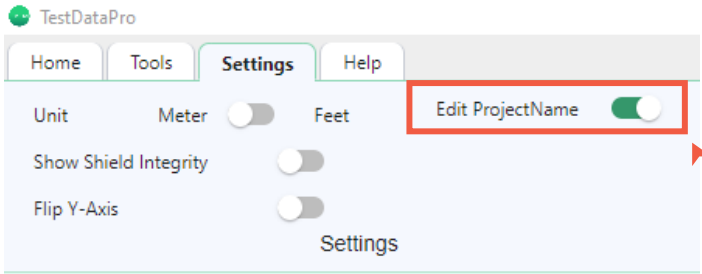
- Launch TestDataPro, click [Settings].
- Toggle the Flip Y-Axis to enable.
- Open any copper test result test details or generate PDF report. The graph displayed will be flipped to Y-Axis.

iv. Edit Project Name

TestDataPro has a Copy & Paste or Cut & Paste feature that users can utilize to move test results around different projects or add them to a hierarchy. When Edit project name is disabled and a test result is moved from Project A to Project B, the test result retains its project name which is Project A. When Edit project name is enabled and a test result is moved from Project C to Project D, the test result project name automatically changes to the destination project name which in this case is Project D.


- Launch TestDataPro, click [Settings].
- Toggle the Edit Project Name to enable.

v. Report Size

Users can toggle between [Compact] and [Full] test reports for copper cable.

- [Compact] – TestDataPro will export low resolution images of the test results and graphs, providing a compressed file size.
- [Full] – TestDataPro will export high resolution images of the test results and graphs (for a better view of the PDF report).

Compact

Full
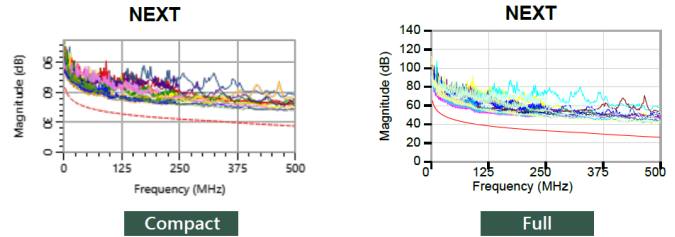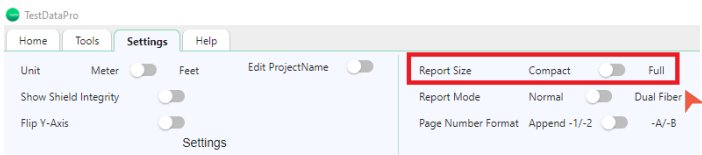
vi. Report Mode and Page Number Format

[Normal] and [Dual Fiber] for single mode and multi mode fiber reports.
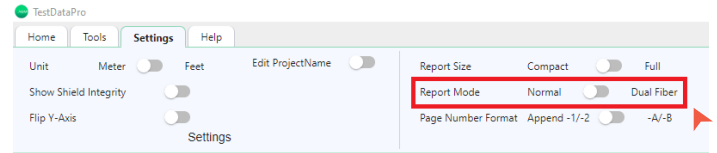
- [Normal] – TestDataPro will export fiber bi-directional test results onto a 1-page report.
- [Dual Fiber] – TestDataPro will export fiber bi-directional test results onto a 2-page report.

SM DEBD - 2

Pass

Test Time	: 27/7/2023 1:59:00 PM
Project	: 4.2.305
Profile	: SM Fiber
Operator	: Default
Jumper Method	: One Jumper
Cable Type	: Generic SMF
Connector	: LC
Configuration	: Dual Ended Bi-Direction
Length(m)	: 2.10
No. End Connectors	: 2
No. Connectors	: 0
No. Splices	: 0

Limit	: TIA-568.3-E SingleMode Indoor-Outdoor REF Grad
Model	: TestPro CV100
Serial Number	: Main: 5200-1419, Remote: 5200-1238
Device Software	: Main: 4.2.305, Remote: 4.2.305
Calibration Date	: Main: 14/1/2023, Remote: 30/12/2022
Main Adapter	: PROBE FIBER Hybrid SM, S/N: 20002
Remote Adapter	: PROBE FIBER Hybrid SM, S/N: 20001
Set Reference Date	: 27/7/2023 1:53:24 PM
Delay(ns)	: 10.5
End Connector Loss	: 0.5
Connector Loss	: 0.75
Splice Loss	: 0.3
Performance Grade	: OS2

1310 nm

Pair	Result	Loss	Limit	Margin
Fiber 2 Remote to Main	Pass	0.00	1.00	1.00
Fiber 2 Main to Remote	Pass	0.07	1.00	0.93

Unit	Reference Power
Main	-0.20
Remote	-0.48

1550 nm

Pair	Result	Loss	Limit	Margin
Fiber 2 Remote to Main	Pass	0.00	1.00	1.00
Fiber 2 Main to Remote	Pass	0.01	1.00	0.99

Unit	Reference Power
Main	-2.12
Remote	-2.70

Compliant Network

1000BASE-LX	100GBASE-ER4
100GBASE-LR4	10GBASE-ER
10GBASE-LR	10GBASE-LX4
16Gbit/s FC	1Gbit/s FC
2Gbit/s FC	32Gbit/s FC
40GBASE-FR	40GBASE-LR4
4Gbit/s FC	8Gbit/s FC
ATM at 155 Mbit/s	ATM at 52 Mbit/s
ATM at 622 Mbit/s	ControlNET
FDDI SMF-PMD	Fibre Channel (FC-PH) at 1062Mbit/s

When fiber test reports are split into two pages, users can change how the TestDataPro appends the page identifier. It can either end in –A or -1 for page 1 and –B or -2 for page 2 of the fiber report. The default selection is -1/-2. Simply toggle the switch to –A/-B if this setting is preferred.

vii. Network Test Length

[Network Test Length] when enabled will display the Multi-Gig and BASE-T approximate length in viewing test details and generating PDF reports. When disabled the approximate length will be hidden.

viii. Company Information

[Company Information] users can add company details such as Company name and contact info. They can also customize the logo that appears in the test report.


- Click [Company Information] in the [Settings] tab.
- Key in the Company name and contact information
- To change the default AEM logo that appears in PDF reports, users can choose to change the logo. Click [Select Company Logo], browse the PC for the company logo that should be in PNG format and click [Open].

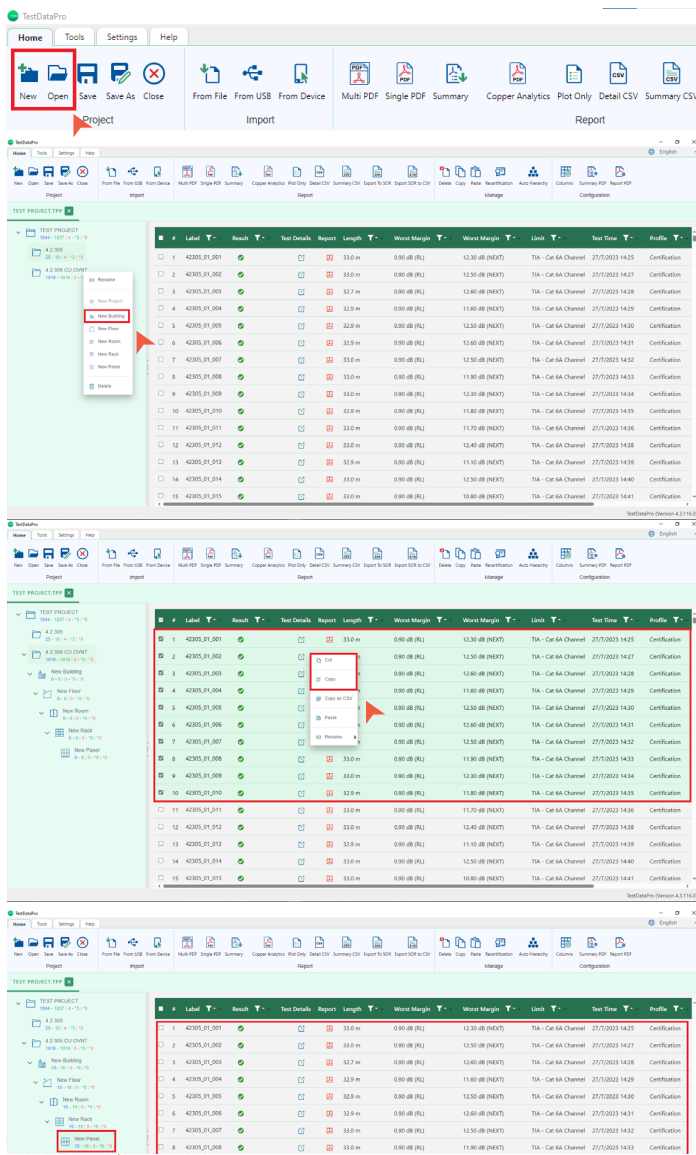Note: TestDataPro only accepts files in PNG format.

ix. Restore Settings

[Restore Factory Settings] will reset all changes (including the logo) to default factory settings.
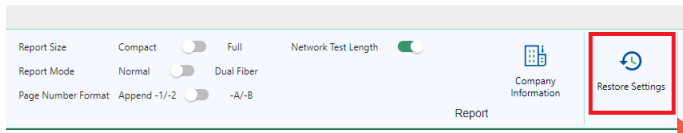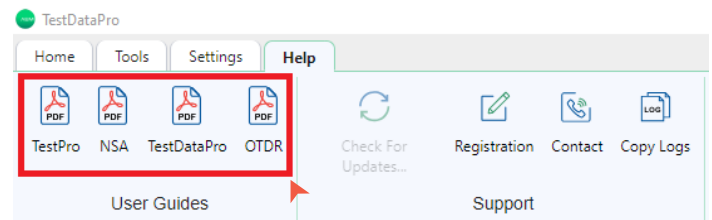


20 Sort Test Results through Hierarchy

- Create or open an existing project.
- Right click on the project name and add hierarchy i.e. New Building up to New Panel
- Select all the test results that are to be moved to the desired location by utilizing the Copy/Cut and Paste function.
- To rename a hierarchy, right click on the hierarchy and click Rename.

21 Help

- To access the TestPro, NSA, TestDataPro and OTDR user manuals, click [Help].
- Click either [TestPro], [NSA], [TestDataPro] or [OTDR] according to the need.
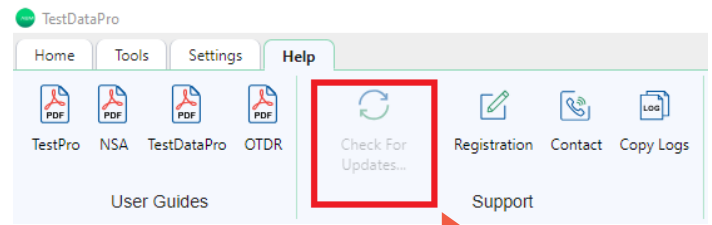
To check if there is a newer TestDataPro software.

- Launch TestDataPro
- Click [Check For Updates] under [Help] menu.
- A dialog box informing the user about the current and latest versions. Click OK to start downloading the latest version of TestDataPro.
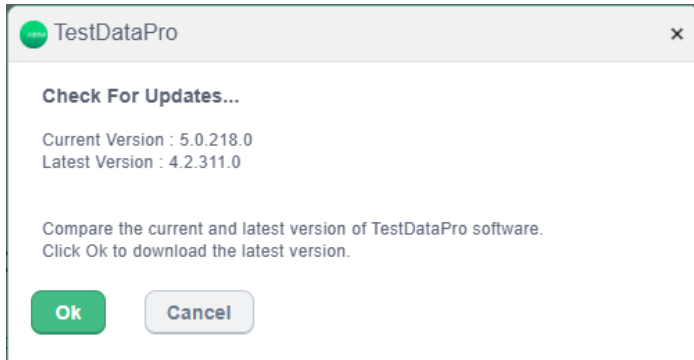
To assist AEM Customer Service, the [Copy Logs] feature is added in TestDataPro to collect the logs saved inside the TestPro/NSA and save it in the PC.

- Connect the device to PC via USB cable.
- Launch TestDataPro and click [Copy Logs] under [Help] menu
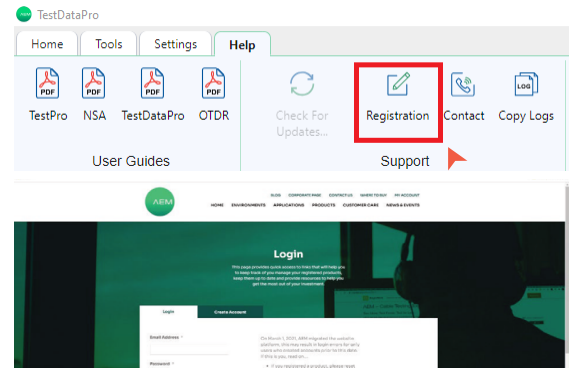- A dialog box confirms the successful copy of device logs.

Logs are saved under the device serial number in Documents\TestDataPro\Debug\Logs
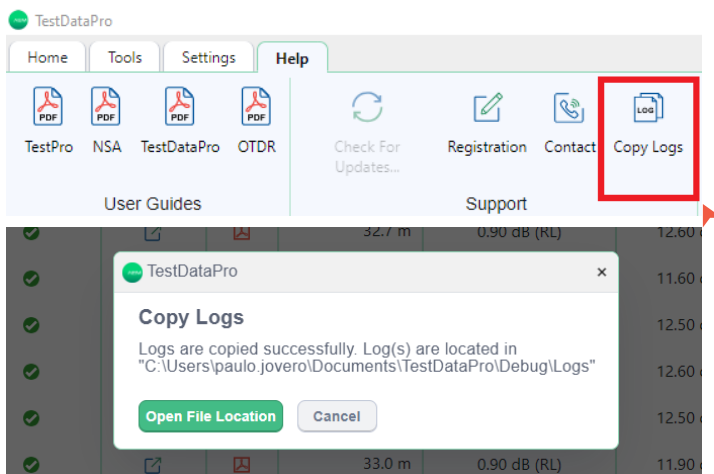
## 22 Product Registration and Sales & Technical Support

It is important to register the product to receive the latest updates and warranty information.

1. Product Registration

- Launch TestDataPro and click [Help].
- Click [Registration]. This will bring the user to the product registration website (on the Internet browser).
- Log in if you have an existing account. If you do not have an account, click [Create Account].

2. Sales and Technical Support Information
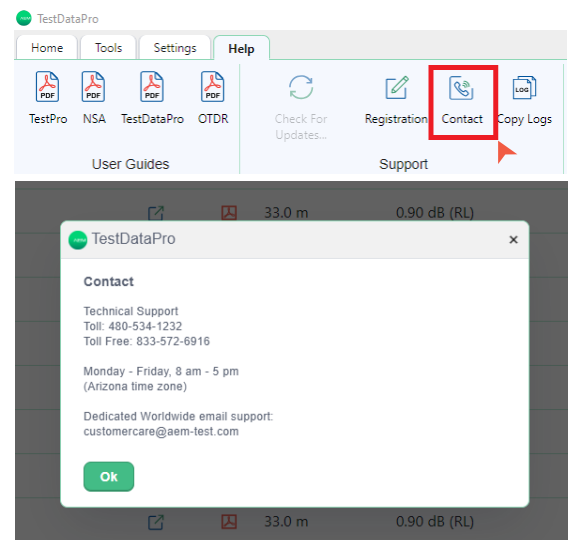
- Launch TestDataPro and click [Help].
- In the [Support] group, click [Contact].
- The contact details for sales and technical support will be shown.

23 TestDataPro Cloud

TestDataPro Cloud is a cloud-based platform that enables users to manage test results remotely from any smart device. With instant uploading of test results to the database, users can generate certification reports effortlessly. The platform also facilitates collaboration by allowing large projects to be divided into sub-projects, assignable to specific teams. Additionally, users can tailor reports to meet the needs of customers or vendors. TestDataPro Cloud provides complete project visibility, enabling managers to review test results at any time. Moreover, the platform ensures prompt notifications if test settings or cable IDs are incorrect, ensuring accuracy and efficiency.

To learn how to upload the TestPro test results to the Cloud, refer to: Section 9. Test Result Management in the TestPro User Guide.
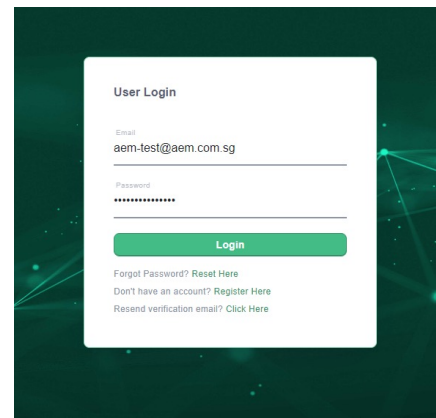
a.   TDPCloud Registration
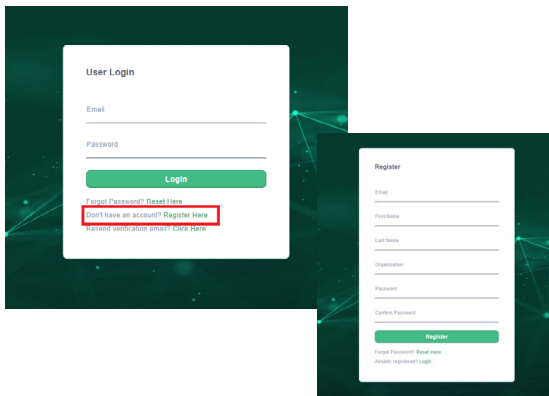
- Open a web browser and navigate to www.tdpcloud. com. Click the 'Register' button to begin the registration process.
- On the registration page, enter the following details:
  - Email address
  - First name
  - Last name
  - Organization name
  - Password (and re-enter it to confirm)

- Then, click the 'Register' button. An activation email will be sent to the email address provided, which will help verify the account.
- Activate your account by opening the email and clicking on the activation link. Please note that the link is only valid for 24 hours. If you haven't received the email, please check your junk mail folder as it may have been redirected there.

b.   TDPCloud Login

- Open a web browser and navigate to www.tdpcloud. com. Enter the email address and password used during account registration in the respective fields, then click the 'Login' button. Upon successful login, the TestDataPro Cloud home screen will display a list of previously uploaded projects (if applicable).
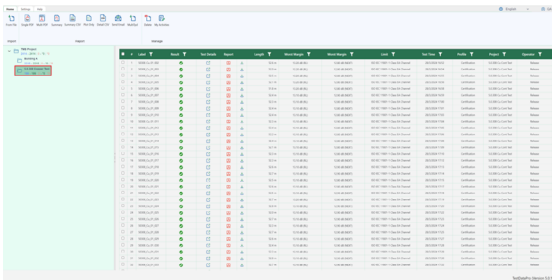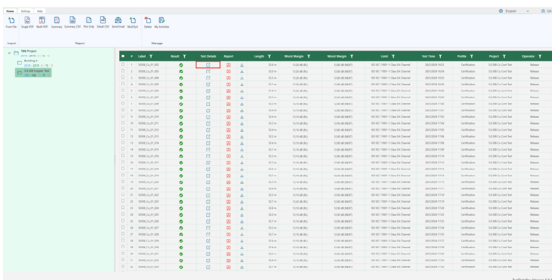
c.   TDPCloud Projects and Test Results

- Upon logging into your cloud account, the screen will display a list of projects along with their corresponding test results.
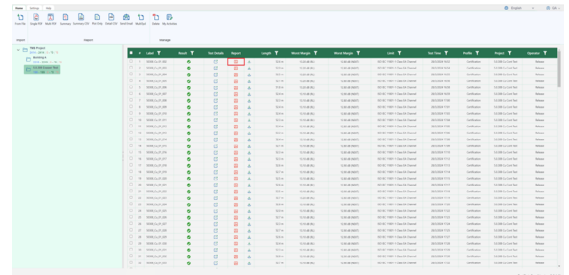

- Select a project from the list to view its associated test results. For instance, you might choose "5.0.308 Copper Test project," which includes a total of 199 test results.

- To access detailed test results and measurement graphs, simply click on "Test Details."
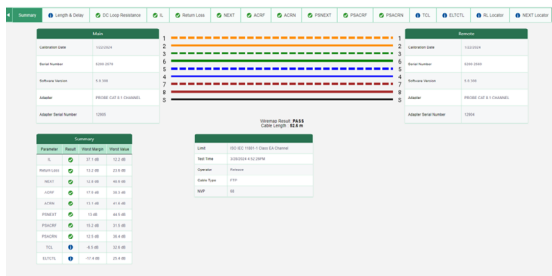
- Clicking on "Test Details" will open multiple tabs, each containing different measurements.

- To create a PDF report for a specific test result, just click on the PDF icon.

- The PDF report will be generated by TestDataPro Cloud. Open the PDF file to access and view this report.
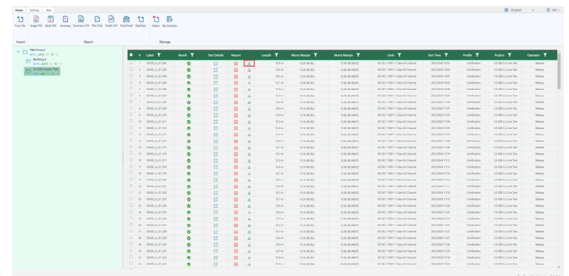
- To download a test result, just click on the download icon and save the test result to your PC.

d.   Importing new test results

Importing test results from local storage to the cloud offers seamless accessibility, collaboration, scalability, flexibility, and streamlined data analysis to users. TestDataPro Cloud provides the 'From File' feature, which allows users to upload test results directly from their PC or Mac to the cloud.
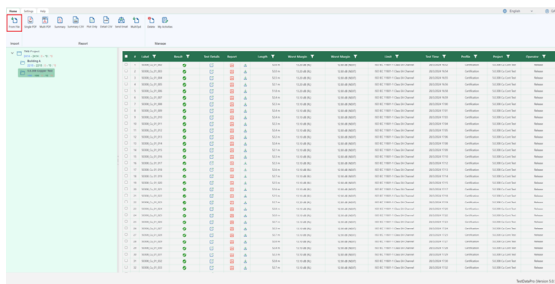
- In the Home tab, click 'From File'
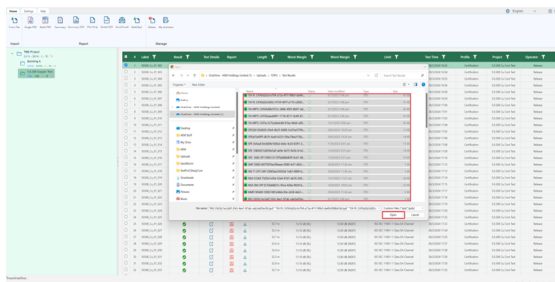
- Browse to the folder where the test results are stored, select the results you wish to import, and click 'Open'. The results will then be uploaded to the cloud and automatically sorted according to their project name.

e.   Generate PDF reports and csv files

In today's fast-paced digital landscape, efficiency and accuracy are paramount, especially when it comes to warranty registration for cable manufacturers. TestDataPro Cloud offers a cutting-edge solution to streamline this process, providing hassle-free generation of test PDF reports and CSV files. It offers a streamlined, accurate, and cost-effective solution for test report generation and CSV file creation.
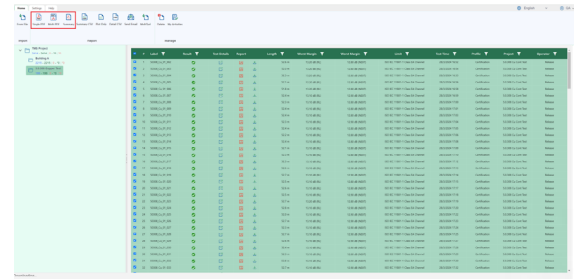
- To generate a PDF report, click on the project that you wish to generate, such as '5.0.308 Copper Test'. Next, select the desired test results—either a few or all—and click 'Single PDF'. TestDataPro Cloud will begin generating the report in the background. You can check the status of the report by going to 'My Activities'.

- Single PDF - combines all test results into one PDF report, including a summary.
- Multi PDF - generates individual test reports for each test result.
- Summary PDF - generates only the test summary of each test result in PDF format.
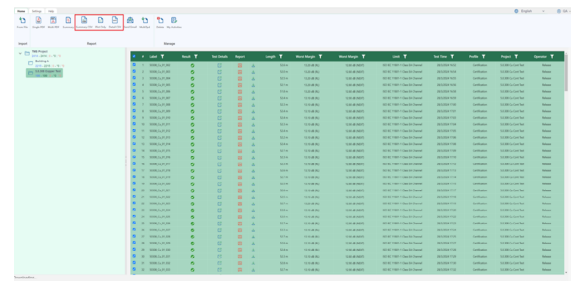
- Summary CSV - exports only the summary of the selected test result.
  Plot Only - exports only the measurement parameters (e.g., insertion loss, return loss, NEXT, and PSNEXT).
  Detail CSV - exports both the test summary and all measurement parameters.

f.   Send Email

Send Email - feature generates either a Single or Multi PDF report and sends it to an email address. Additionally, this feature can include the test results (tpd files) and a CSV report in the email.
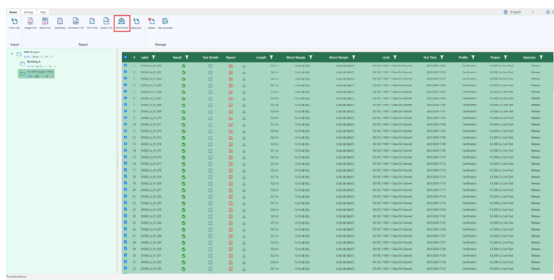
- To send an email containing one or multiple test results along with the PDF report, CSV file, and TPD files, simply click the "Send Email" button.
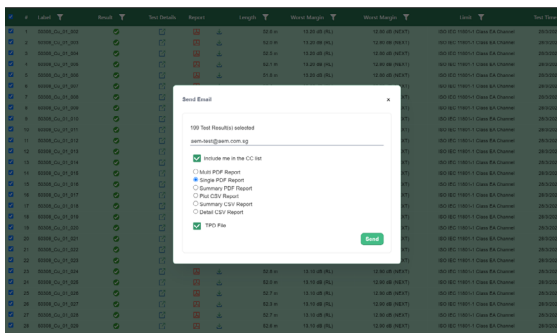
- Enter the recipient's email address and select the 'Add me in CC' option if you want to receive a copy of the email. Then, choose from the following options: Multi PDF, Single PDF, Summary PDF, Plot, Detailed CSV, or Summary CSV. If desired, select the TPD file to include the test results, then click 'Send' to proceed.
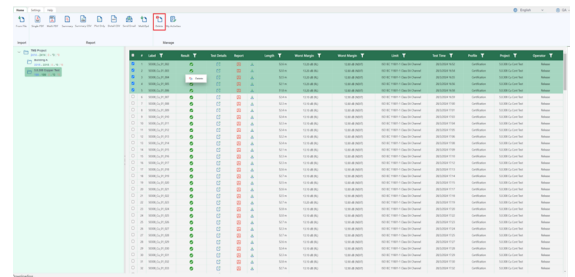
## g.   MultiTpd, Delete and My Activities

i. MultiTpd
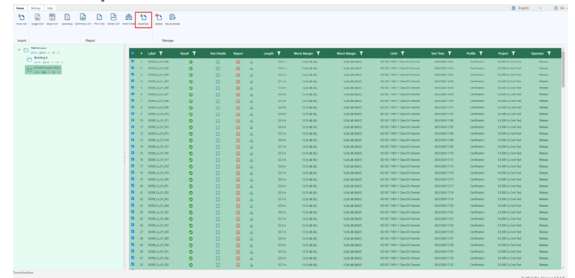
- To download one or multiple test results, start by selecting the desired results. Then, choose the 'MultiTpd' option to initiate the download process.

ii. Delete

- To delete one or multiple test results, first select the ones you want to remove, then either click "Delete" or right-click on the selected test result and choose "Delete."

iii. My Activities
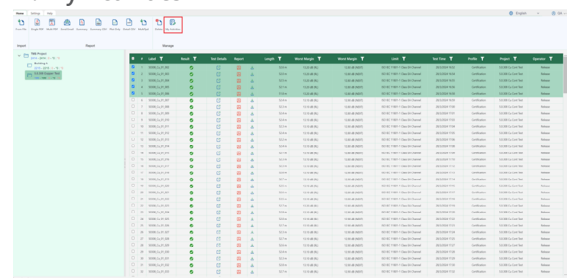
- When generating PDF reports, CSV files, and sending emails, these processes run in the background. To monitor their status, click on 'My Activities'.

- Click the download link to begin downloading the completed file.

h. TDPCloud Search

- To search for labels, click the 'Filter' icon and enter your search criteria. This search functionality is also available for all other measurements displayed on the summary page, allowing you to quickly find what you need.

- In this example, searching for any label that contains "9" will display the corresponding results.

j. Settings

Configure your account, customize your experience and adjust cloud settings to suit your preferences. The Settings tab allows you to personalize your TestDataPro account and optimize its performance to meet your needs.

i. Unit
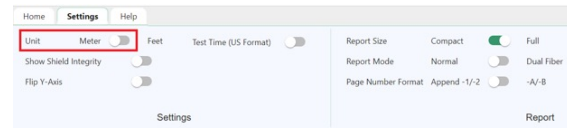
- Go to the 'Settings' tab and select your preferred unit of measurement by toggling between 'Meter' and 'Feet' options, depending on your specific requirements.

ii. Shield Integrity

TestDataPro's Show Shield Integrity feature enables users to visualize the shield continuity of shielded cables. This feature detects and displays the distance to the fault location when the shield is open or when there's a mismatch in the shield structure between the patch cord and cable under test. The wiremap screen in the test details and PDF report will clearly indicate the location of the shield issue, providing valuable insights for troubleshooting and repair.
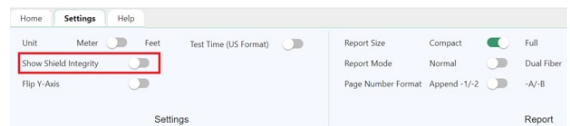

- Configure the Show Shield Integrity feature by clicking on 'Settings' and toggling the option on or off. Once enabled, access the test results by clicking on 'Test Details' or generate a comprehensive PDF report to view the shield integrity information.
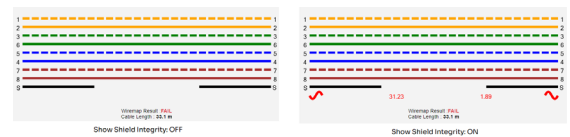
- In this example, the total cable length is 33.1 meters. TestDataPro detects a shield discontinuity at a distance of 31.23 meters from the main unit and 1.89 meters from the remote unit, indicating a specific location of the shield issue along the cable.
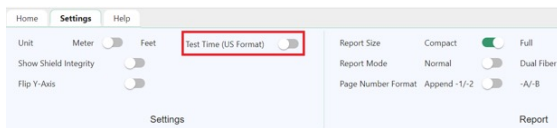
iii. Flip Y-Axis
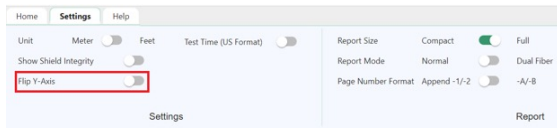
- Some users prefer to view the graph upside down or opposite to what is normally shown in TestDataPro Cloud. To do this, simply toggle the 'Flip Y-Axis' option in the Settings menu to reverse the display orientation and suit your personal preference.
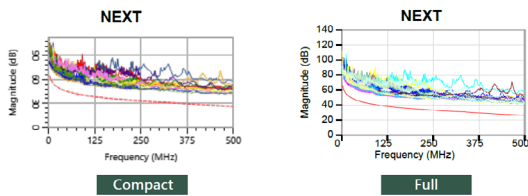
iv. Test Time (US Format)

- Selecting the 'US Format' option changes the summary time format to MM/DD/YYYY, displaying dates in the traditional US format of month, day, and year.

v. Report Size
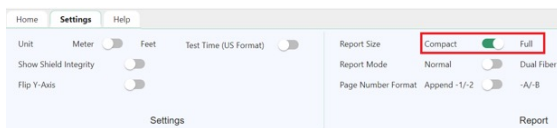
- In TestDataPro Cloud, users can customize their test reports by toggling between [Compact] and [Full] report modes for copper cable tests.

Compact - exports low-resolution images of test results and graphs, resulting in a compressed file size
Full - exports high-resolution images of test results and graphs, providing a detailed view in the PDF report

vi. Report Mode and Page Format
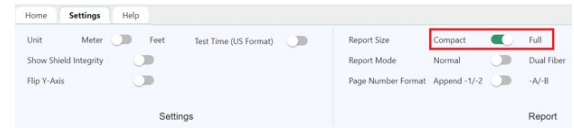
- [Normal] and [Dual Fiber] for single mode and multi mode fiber reports.
- TestDataPro Cloud offers two report modes for fiber optic cable tests.

Normal - exports bi-directional test results onto a concise 1-page report.
Dual Fiber - exports bi-directional test results onto a comprehensive 2-page report, providing a more detailed view of the test results.

- When fiber test reports are split into two pages, users have the option to customize the page identifier format. By default, the report pages are labeled as -1 and -2. However, users can easily switch to the -A and -B labeling format by toggling the switch. This allows for flexible reporting and easy identification of page 1 and page 2 in the fiber report.

vii. Network Test Length
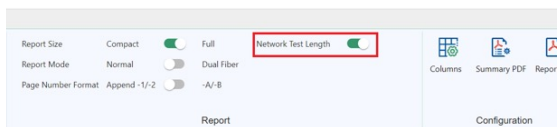
- Enabling the [Network Test Length] option allows users to view the approximate length of Multi-Gig and BASE-T cables in the test details and PDF reports. This feature provides valuable information for network troubleshooting and documentation. When disabled, the approximate length information will be hidden from view.

viii. Columns, Summary PDF and Report PDF
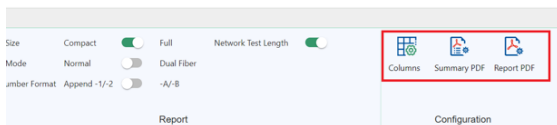
a. Columns

Customize your TestDataPro Cloud summary page by selecting the measurements you want to display. Simply click on the 'Columns' option and choose the desired measurement to add it to the summary page. This allows you to tailor the display to your specific needs and focus on the most relevant data.
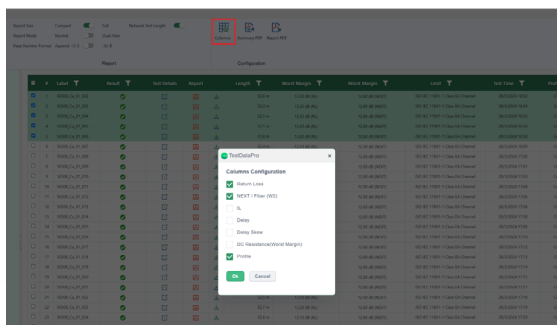
b. Summary PDF

When generating a Summary PDF report, users can select up to two measurements to display from the available options. Simply click on 'Summary PDF' and choose the two desired measurements to include in the report. This allows for a concise and focused summary of key test results.
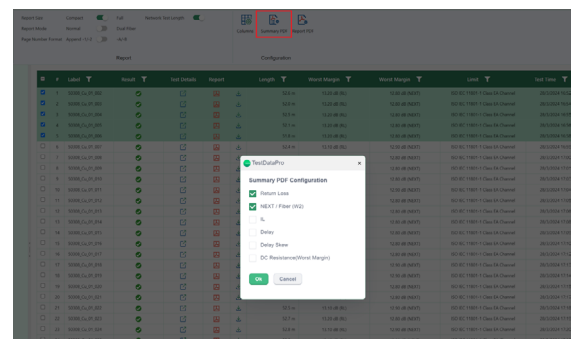
c. Report PDF

When generating a Single or Multi PDF report, users can include multiple measurement graphs by clicking on 'Report PDF'. This feature allows users to add various measurements to the report, providing a comprehensive and detailed view of test results. Users can select multiple graphs to display, making it easy to compare and analyze results.

ix. Help

The Help menu is your one-stop resource for accessing user manuals, guides, and support resources for our software tools. With just a few clicks, you can:

- Access user manuals for TestPro, NSA, TestDataPro, and OTDR
- Link to account Registration page
- Contact our support team for assistance

a. User Manual

Access user manuals for TestPro, NSA, TestDataPro, and OTDR by clicking on the [Help] button. From there, select the desired manual by clicking on the corresponding button: [TestPro], [NSA], [TestDataPro], or [OTDR]. This provides quick and easy access to the guidance you need for each tool.

b. Registration and Contact

Register – use this link to:
- Register your new product
- Access exclusive software updates
- Watch video tutorials and guides
- Get support and troubleshooting help
- Stay up-to-date with the latest news and releases

Contact - Click 'Contact' to view our customer care contact information, hours of operation, and support options.

Notes/Serial Numbers :

Technical Support

Live Phone Support :
Monday - Friday | 8am-5pm (Arizona, USA)
T : 480-534-1232
Toll Free : 833-572-6916

Email Monitored 24hrs
customercare@aem-test.com

For more information and details specifications,
please visit: AEM-Test.com/Products

If you need technical assistance, please visit us at:
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