

TestDataPro

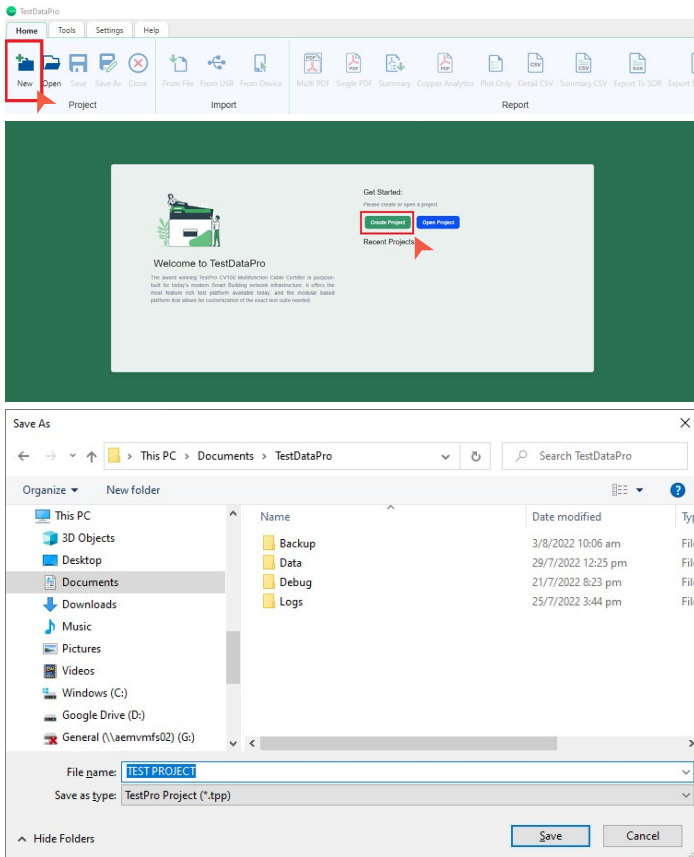
User Guide

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1 Create a New Project

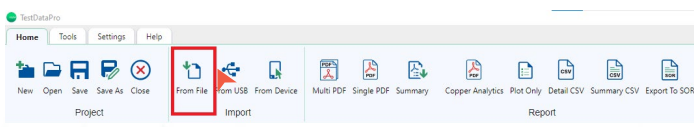


- Launch TestDataPro.
- In the [Project] group, click [New] or [Create] to create a new project.
- Save the new project in any location on the PC.

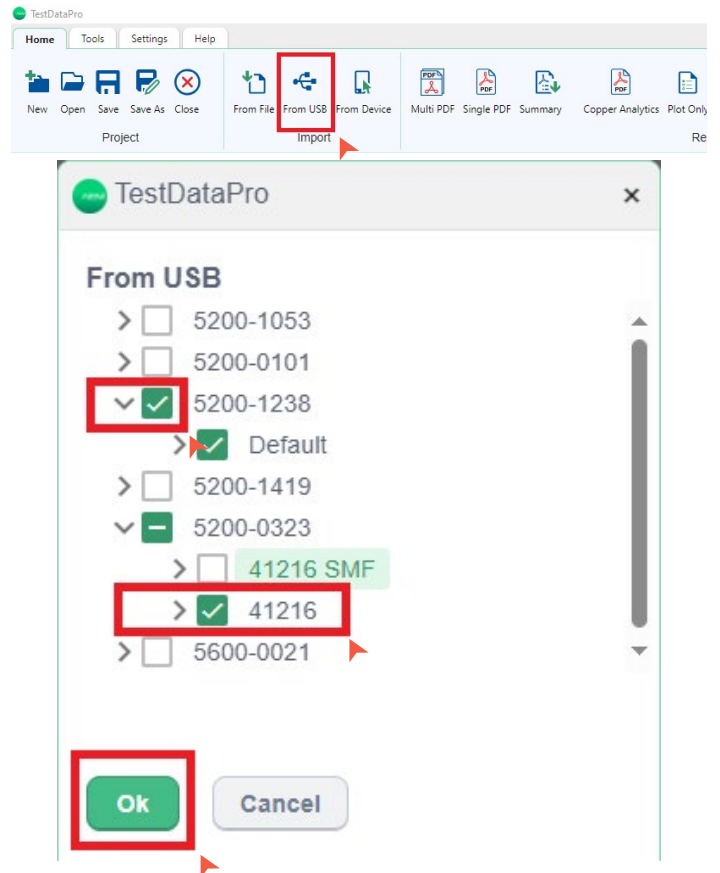
2 Import Test Results

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

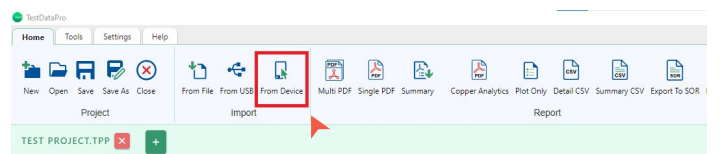
To upload test results using the cloud, go to this link:
[23 TestDataPro Cloud](https://www.aem-test.com/23-TestDataPro-Cloud)



- **[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 .tpp file extension.

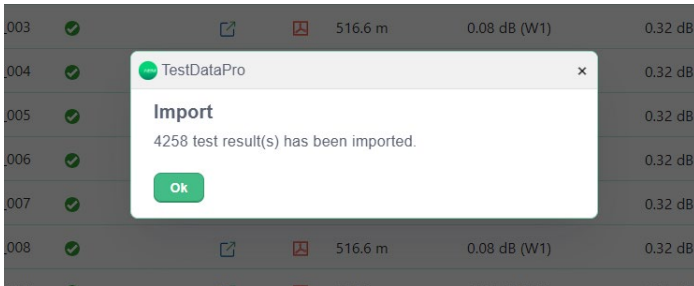


- **[From USB]:** To retrieve test results saved in the USB flash drive, click [From USB]. TestDataPro will scan the USB flash drive for test results and display it according to tester serial number(s) and project name(s). To import all, select all the serial numbers and click [OK]. To import a specific project, expand the list, choose the project and click [OK].



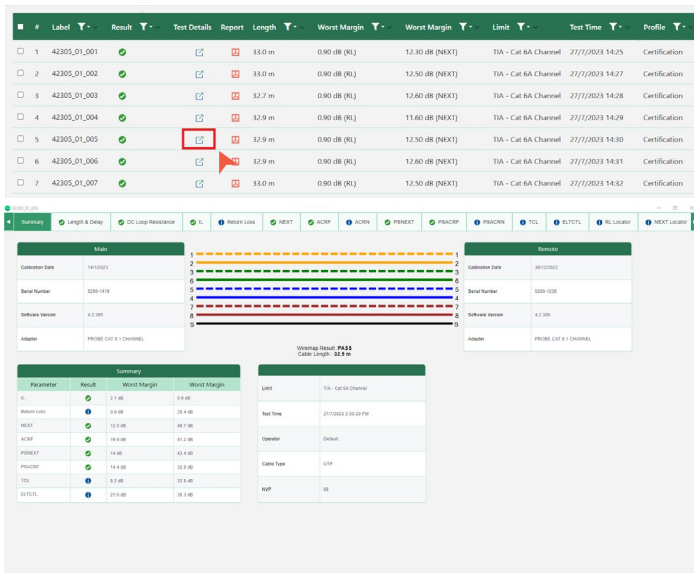
TestDataPro

User Guide



- **[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 [View].
- The user will be routed to the summary page of that test result.
- Click [Report] to generate a test report in PDF format.
- The user will be routed to a page showing a detailed test report.

#	Label	Result	Test Details	Report	Length	Worst Margin	Worst Margin	Limit	Test Time	Profile
1	42305_01_001	Pass			33.0 m	0.90 dB (RL)	12.30 dB (NEXT)	TIA - Cat 6A Channel	27/7/2023 14:25	Certification
2	42305_01_002	Pass			33.0 m	0.90 dB (RL)	12.50 dB (NEXT)	TIA - Cat 6A Channel	27/7/2023 14:27	Certification
3	42305_01_003	Pass			32.7 m	0.90 dB (RL)	12.60 dB (NEXT)	TIA - Cat 6A Channel	27/7/2023 14:28	Certification
4	42305_01_004	Pass			32.9 m	0.90 dB (RL)	11.60 dB (NEXT)	TIA - Cat 6A Channel	27/7/2023 14:29	Certification
5	42305_01_005	Pass			32.9 m	0.90 dB (RL)	12.50 dB (NEXT)	TIA - Cat 6A Channel	27/7/2023 14:30	Certification
6	42305_01_006	Pass			33.0 m	0.90 dB (RL)	12.60 dB (NEXT)	TIA - Cat 6A Channel	27/7/2023 14:31	Certification

42305_01_005

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

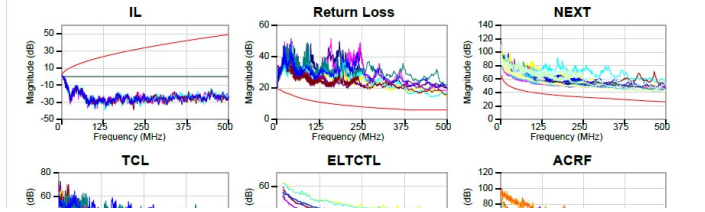
Limit: TIA - Cat 6A Channel
Model: TestPro CV100
Serial Number: Main: 5200-1419, Remote: 5200-1238
Device Software: Main: 4.2.305, Remote: 4.2.305
Calibration Date: Main: 14/1/2023, Remote: 30/12/2022
Main Adapter: PROBE CAT 8.1 CHANNEL, S/N: 12022
Remote Adapter: PROBE CAT 8.1 CHANNEL, S/N: 12021

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

Wiremap Result: Pass
T2688

RF Parameters

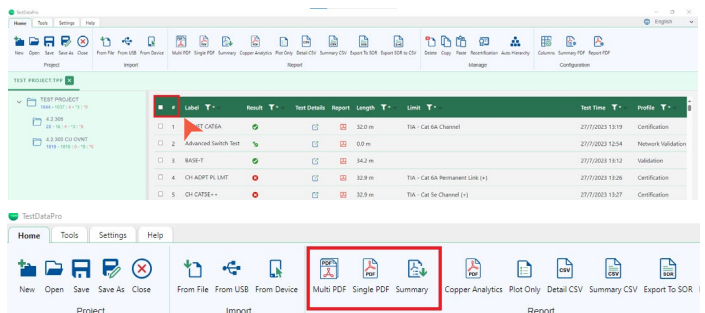
Parameter	Result	Main						Remote									
		Pair	Worst Margin (dB)	Limit (dB)	Freq (MHz)	Pair	Worst Value (dB)	Limit (dB)	Freq (MHz)	Pair	Worst Margin (dB)	Limit (dB)	Freq (MHz)				
Return Loss	Info	36	0.9	19.0	1.15	36	15.4	6.0	492.00	36	0.9	19.0	1.15	36	14.4	6.0	455.00
IL	Pass	12	2.1	3.0	1.60	12	0.9	3.0	1.60	12	2.1	3.0	1.60	12	2.1	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	145-36	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	19.4	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	1.60	12	25.7	1.8	25.75	12	21.6	2.7	23.05	12	24.3	2.7	23.05



4 Generate PDF Reports

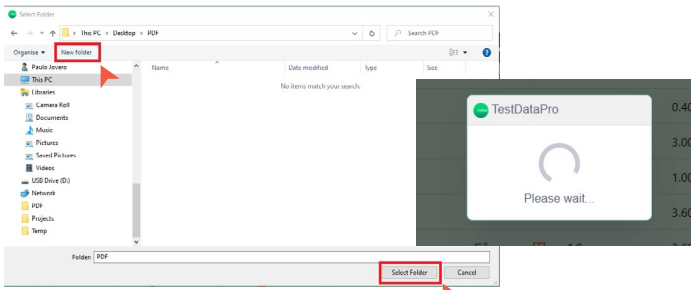
There are 3 ways to generate PDF reports:


- **[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.



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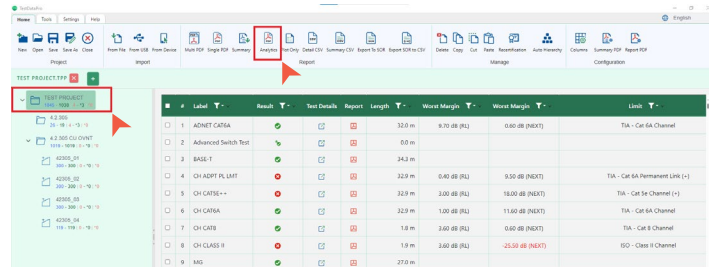
Launch TestDataPro and open the project to be exported. Select all test results by pressing Ctrl + A on the PC keyboard or by clicking  the button located on the top left corner. In the top menu, select one of the 3 options as required.

- 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

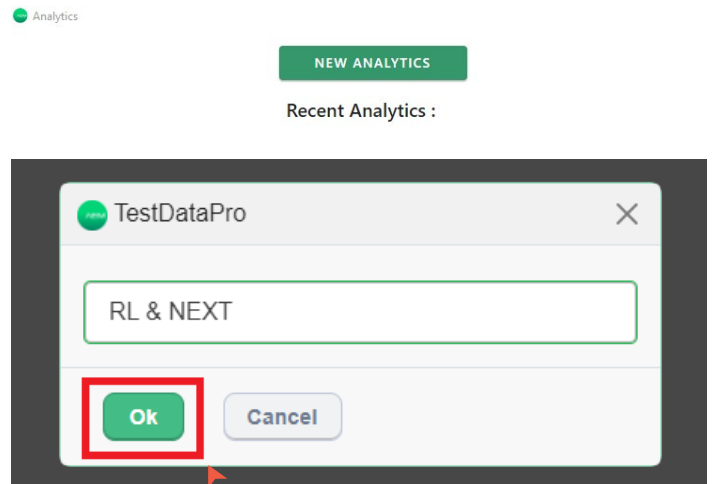
TestDataPro Analytics is a systematic computational analysis of test results in a single or multiple projects that contains hundreds, or thousands of test results. It will interpret the data then provides a graphical view of the measurements or display the statistics with meaningful patterns. Users can 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.

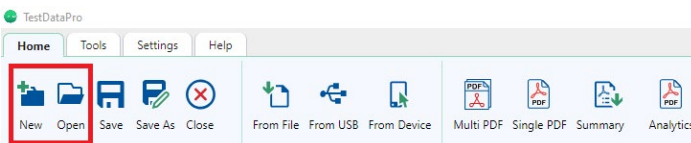
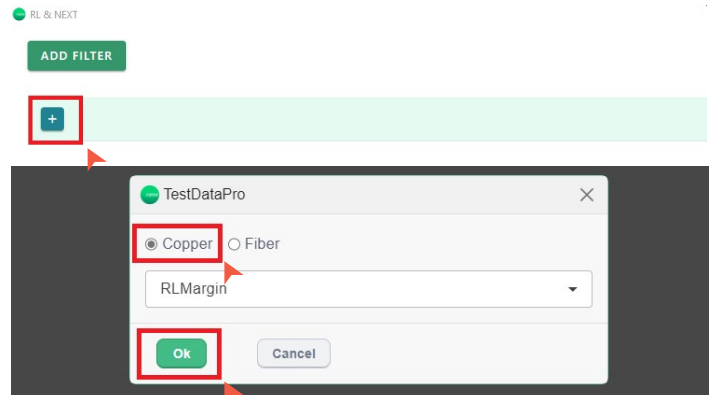


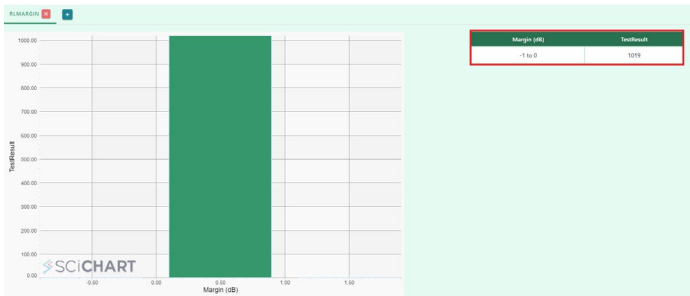
To create copper analytics:

- 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.

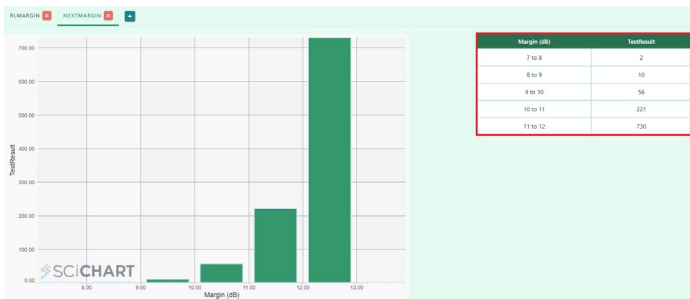


- To create a new analytics, select [New Analytics].
- Key in a name for the new analytics and click [Ok]. Example: "RL & NEXT"

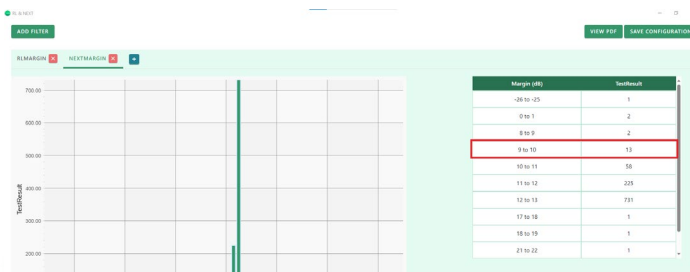




- RL & NEXT analytics window is open.
- Click **+** to add one or more measurements.
- Select Copper. Only copper measurements will be available in the drop down menu. Select RLMargin and click [OK]. TestDataPro automatically displays the Return Loss Margin. In this example, 1036 out of 1045 were copper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



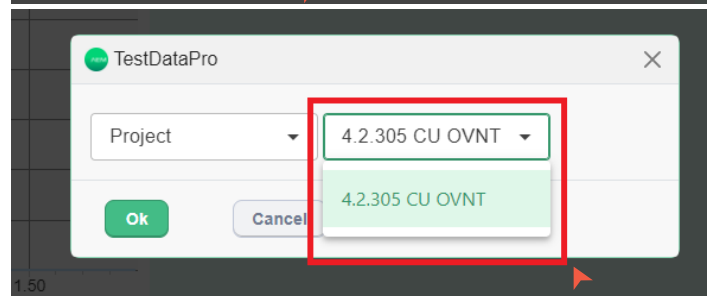
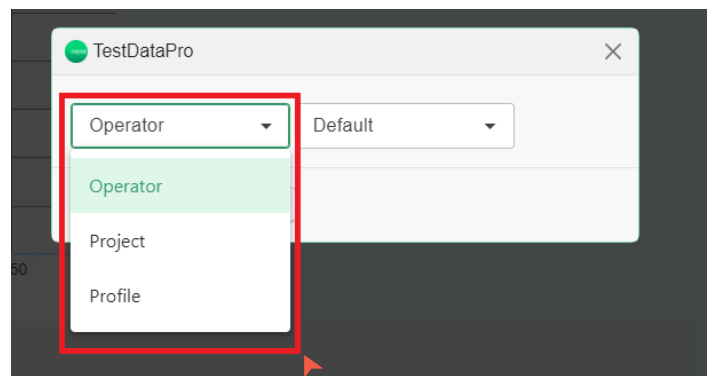
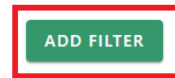
- Click **+** again and select NEXTMargin in the selection.
- Return Loss and NEXT Margin are the two measurements added in Copper Analytics. For NEXT measurement, 1 result has NEXT margin of -26 to -25 dB, 2 results has NEXT margin in the range of 0 to 1 dB, 2 results 8 dB to 9 dB, 13 results range 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.



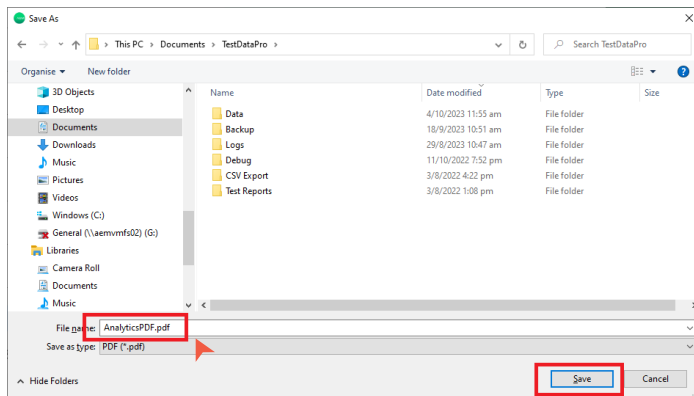
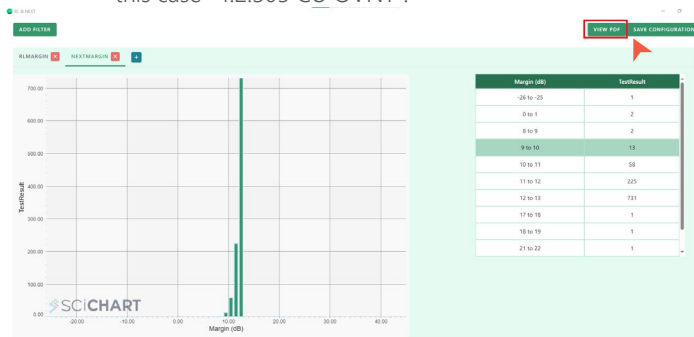
#	Label	Result	Test Details	Profile	Project	Operator	Test Time
1	CH ADPT PL LMT	FAIL		Certification	4.2.305	Default	27/7/2023 1:26:18 PM
2	NSA CAT6A	PASS		Cert-Lite	4.2.305	Default	27/7/2023 2:12:58 PM
3	NSA EA	PASS		Cert-Lite	4.2.305	Default	27/7/2023 2:16:50 PM
4	42305_01_109	PASS		Certification	4.2.305 CU OVNT	Default	27/7/2023 4:25:08 PM
5	42305_01_128	PASS		Certification	4.2.305 CU OVNT	Default	27/7/2023 4:46:07 PM
6	42305_01_145	PASS		Certification	4.2.305 CU OVNT	Default	27/7/2023 5:04:54 PM
7	42305_02_019	PASS		Certification	4.2.305 CU OVNT	Default	27/7/2023 8:17:04 PM
8	42305_02_033	PASS		Certification	4.2.305 CU OVNT	Default	27/7/2023 8:32:32 PM
9	42305_02_089	PASS		Certification	4.2.305 CU OVNT	Default	27/7/2023 9:34:25 PM
10	42305_02_121	PASS		Certification	4.2.305 CU OVNT	Default	27/7/2023 10:09:45 PM
11	42305_03_114	PASS		Certification	4.2.305 CU OVNT	Default	28/7/2023 3:33:28 AM
12	42305_03_146	PASS		Certification	4.2.305 CU OVNT	Default	28/7/2023 4:08:49 AM

- To view test results of certain margin i.e.. 9 dB to 10 dB, click on the fourth row.
- Analytics will display these 13 test results

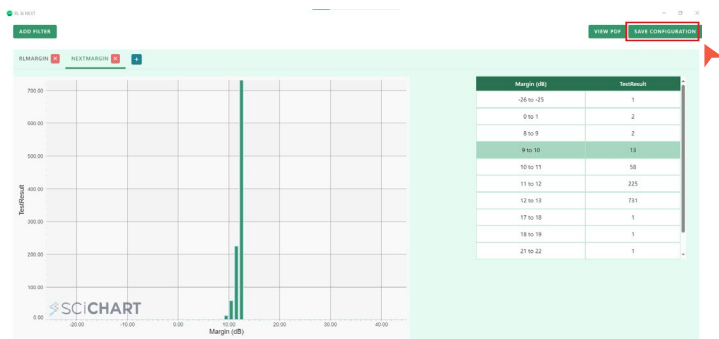
RL & NEXT



- 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.



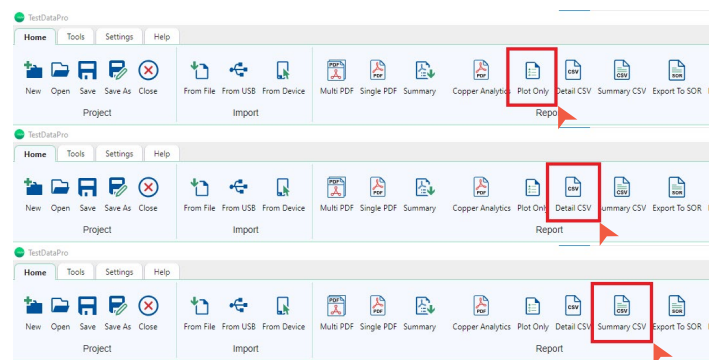
- To save the RL & NEXT analytics configuration, click [Save Configuration].

6 Export Test Results to CSV

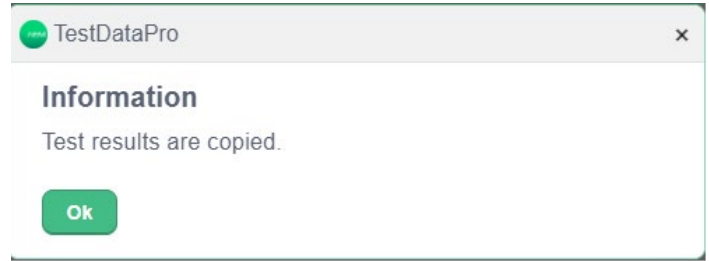
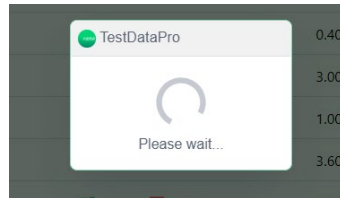
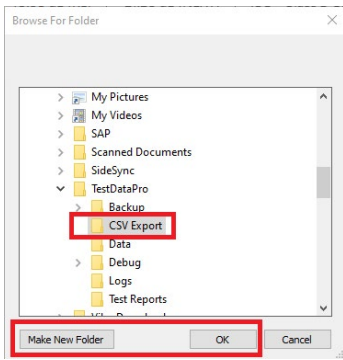
Test measurements in CSV format are useful for troubleshooting, plotting, graphing and post processing test results. This function offers flexibility to users to have a detailed view of test limits, measurements and frequencies.

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.

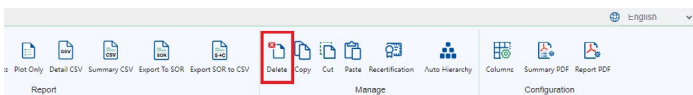


- To generate a CSV file containing test measurements only, select all test results and click [Plot Only] in the Report group.
- To generate a CSV file containing test measurements and a summary of the tests, select all test results and click [Detail CSV] in the Report group.
- To generate a CSV file 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.

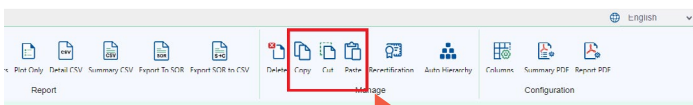


- A dialog box [Information: Test results are copied] comes up. Click [OK]. Close the current project and create a new project or open an existing project to paste.

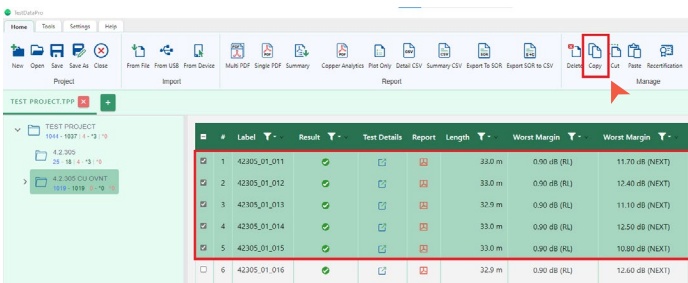
7 Edit Project Contents



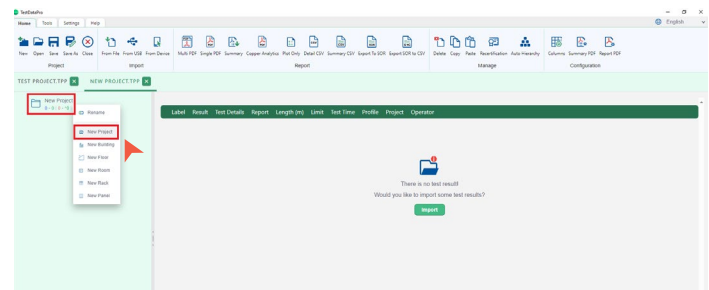
- To delete a test result, simply choose the result and click [Delete]. To delete multiple results, press [Ctrl] on the keyboard and click the individual result or [Ctrl + A] to select all and then click [Delete].



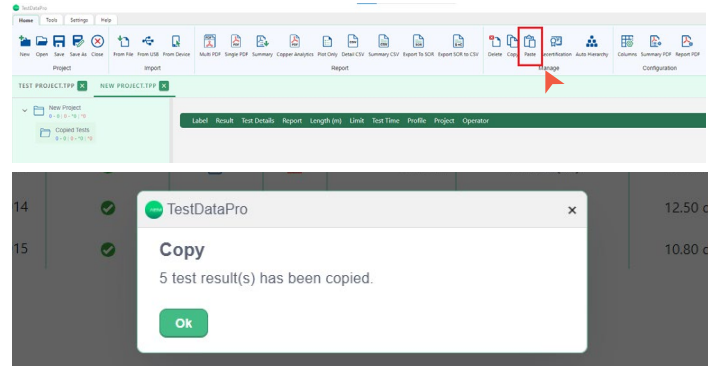
- To copy a test result from a project to another, use the [Copy] and [Paste] function.
- To move a test result from a project to another, use the [Cut] and [Paste] function.



- 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].

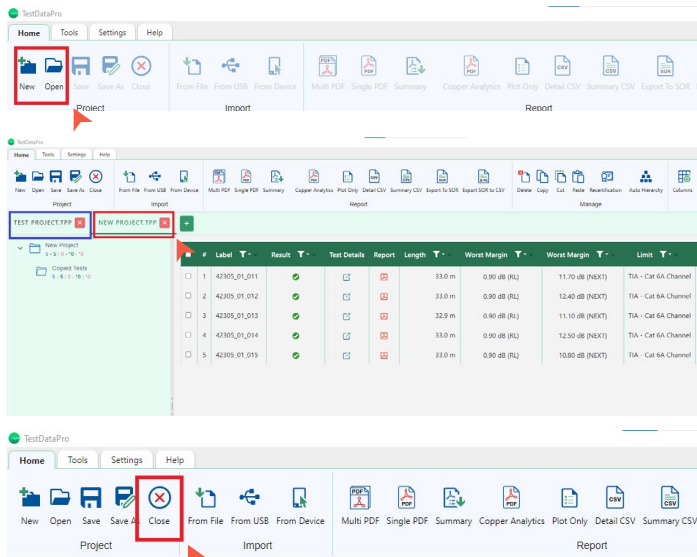


- To paste the result, start another instance of TestDataPro, and either [Open] an existing project or create a [New Project] and in the hierarchy of choices, select [New Project].

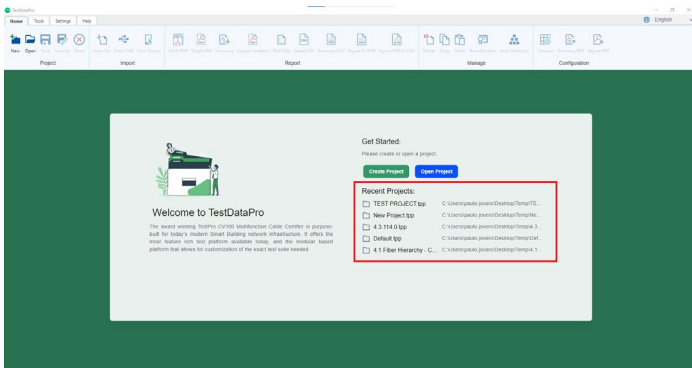


- Click [Paste].
- The test results will be copied to another project.

8 Opening multiple projects in tabs

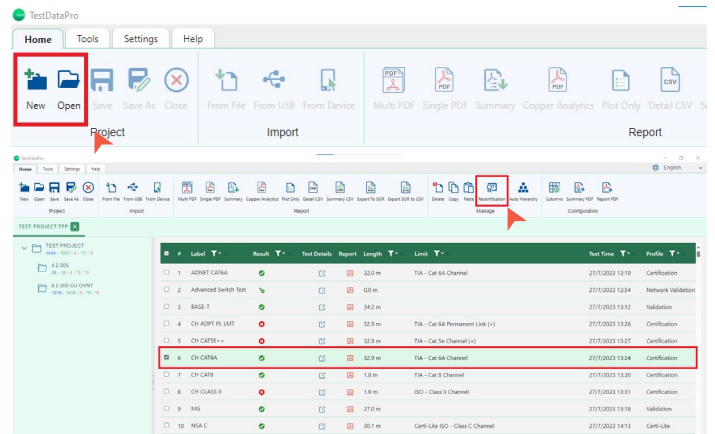


- To open an existing project click [Open] in the [Project] group.
 - Browse to the location of the project and click [Open].
 - To open another project, click [Open] in the [Project] group and browse to the location of the project and click [Open].
 - To close the project, click [Close].
- The most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

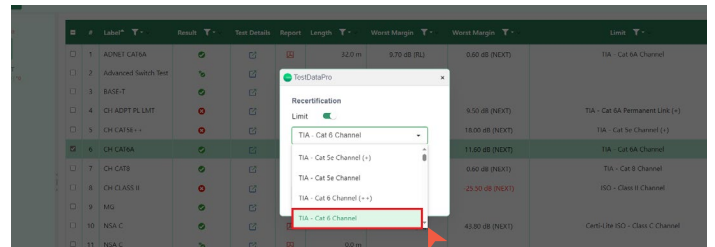


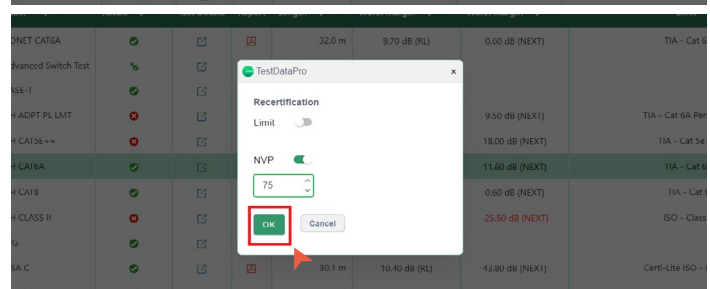
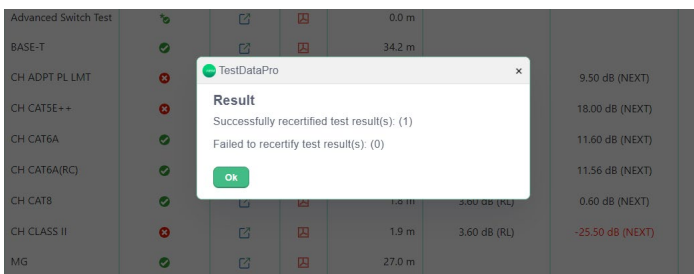
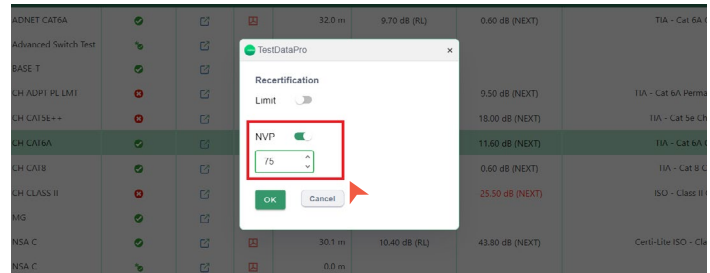
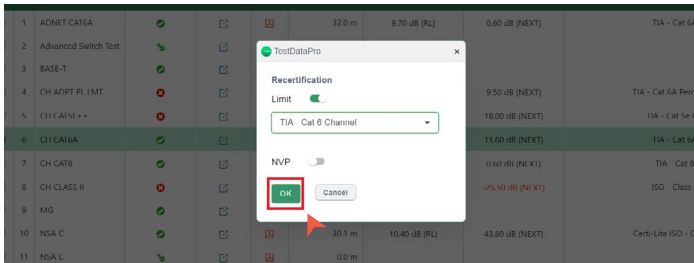
9 Recertification

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.

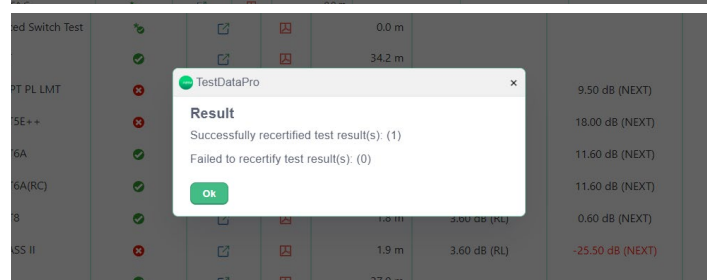


- Select [New] or [Open].
- Select a specific test result, or select all - [Ctrl + A] and then click [Recertification]. To recertify the limit, enable limit. To recertify NVP, enable NVP or both limit and NVP.
- To recertify limit, select the test limit required for recertification in the drop down menu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





#	Label*	Result	Test Details	Report	Length	Worst Margin	Worst Margin	Limit
1	ADNET CAT6A	✓			32.0 m	9.70 dB (RL)	0.60 dB (NEXT)	TIA - Cat 6A Channel
2	Advanced Switch Test	✓			0.0 m			
3	BASE-T	✓			34.2 m			
4	CH ADPT PL LMT	✗			32.9 m	0.40 dB (RL)	9.50 dB (NEXT)	TIA - Cat 6A Permanent Link (-)
5	CH CAT5E++	✗			32.9 m	3.00 dB (RL)	18.00 dB (NEXT)	TIA - Cat 5e Channel (-)
6	CH CAT6A	✓			32.9 m	1.00 dB (RL)	11.60 dB (NEXT)	TIA - Cat 6A Channel
7	CH CAT6A(RC)	✓			32.9 m	0.90 dB (RL)	11.56 dB (NEXT)	TIA - Cat 6 Channel
8	CH CAT8	✓			1.8 m	3.60 dB (RL)	0.60 dB (NEXT)	TIA - Cat 8 Channel
9	CH CLASS II	✗			1.9 m	3.60 dB (RL)	-25.50 dB (NEXT)	ISO - Class II Channel



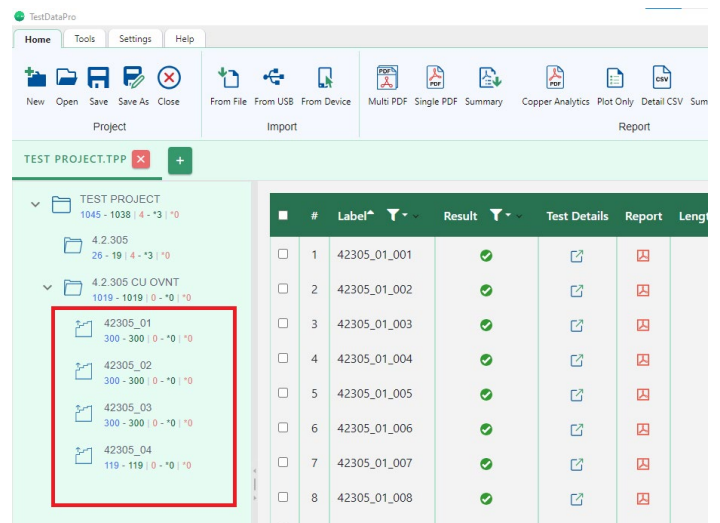
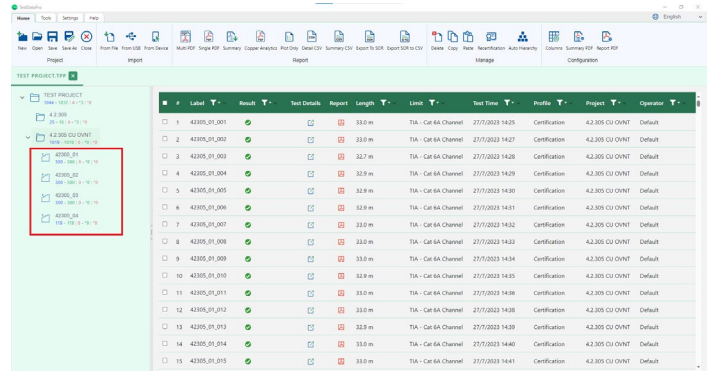
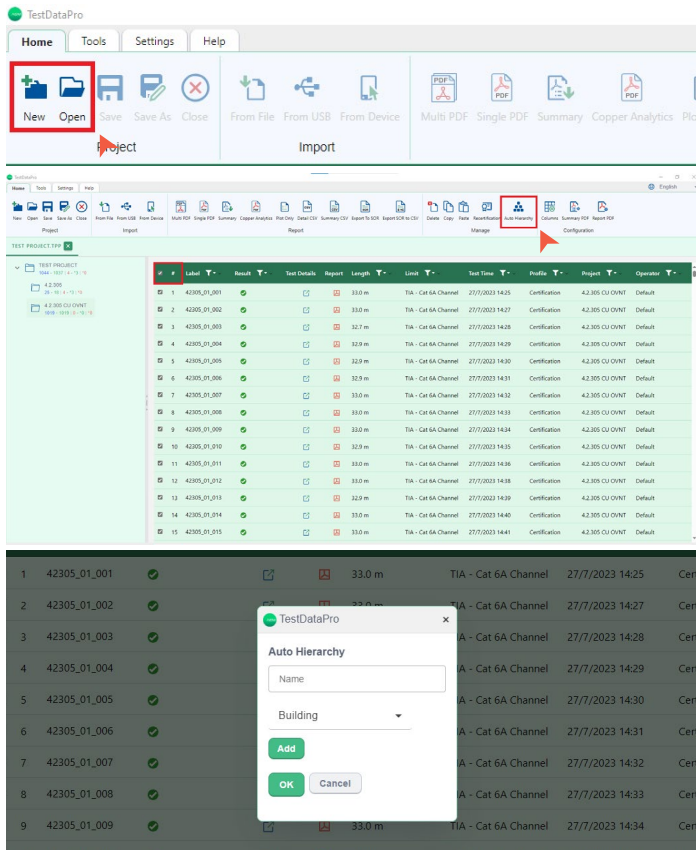
- When recertification is completed, a summary of successful and failed recertifications will be shown. Note: Recertified test results will (RC) suffix in label name and this cannot be renamed to a new label id, permanent link limit cannot be recertified to a Channel limit and vice versa, CAT 5 and Class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

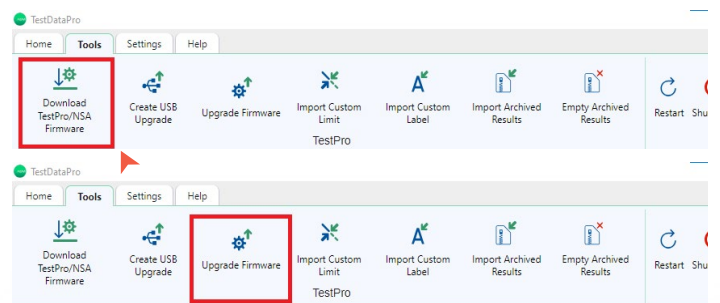
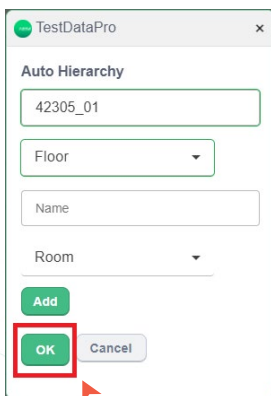
Parameter	Result	Worst Margin	Worst Margin
Return Loss	23.00	0.70	0.70
NEXT	9.90	21.60	21.60
ACPR	19.00	19.00	19.00
PSACPR	10.00	10.00	10.00
PSACPR	12.00	12.00	12.00
ISI	0.00	18.00	18.00
ISI/ISI	21.70	18.10	18.10

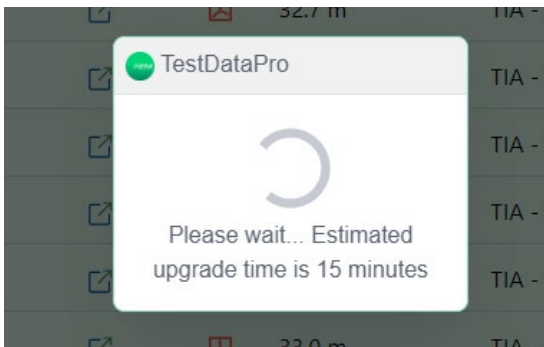
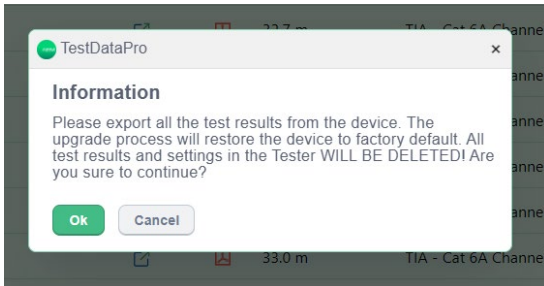


- Click [New] to create a new project and import test results or [Open] to open an existing project.
- Select all test results that needed to go into Auto Hierarchy. Click [Auto Hierarchy]. The Auto Hierarchy dialog box will be displayed.
- In the [Name] field, key in the name of the hierarchy according 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

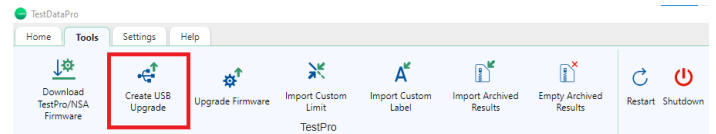




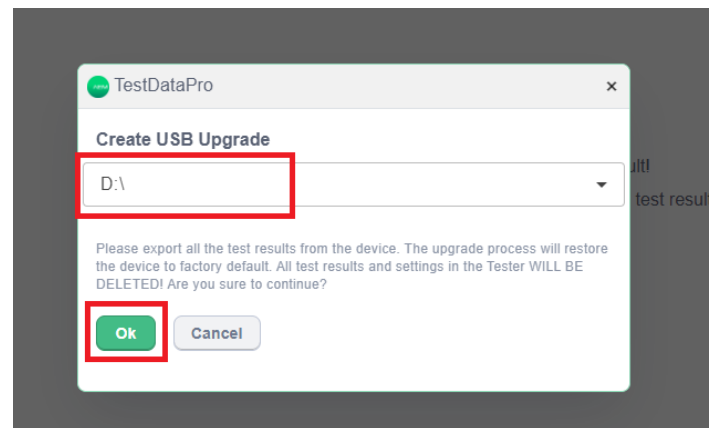
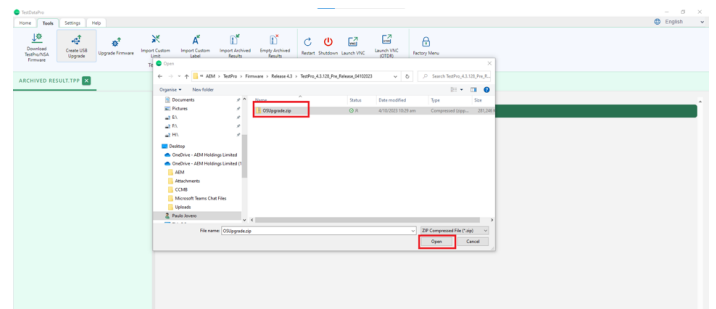
- Launch TestDataPro and connect the TestPro unit to the PC's USB port via micro USB.
- Attach a power supply to the TestPro unit.
- In the [Tools] menu group, click [Download TestPro/NSA Firmware].
- The zip file can be saved in any location in the PC.
- Once the download is complete, select [Upgrade 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].



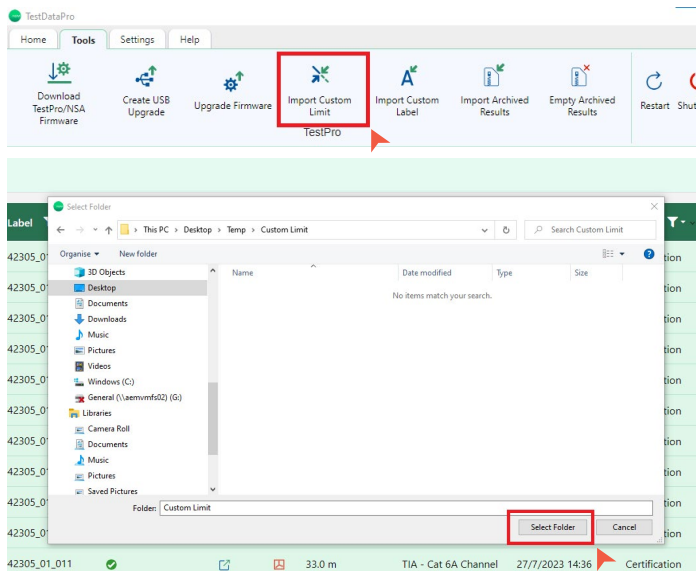
- Browse to the location of OSUpgrade.zip, select the file and click [Open].
- In the Create USB Upgrade dialog box, select the USB flash drive and select [Ok].
- TestDataPro will extract the OSUpgrade.zip file and copy the extracted OSUpgrade folder to the chosen USB flash drive.



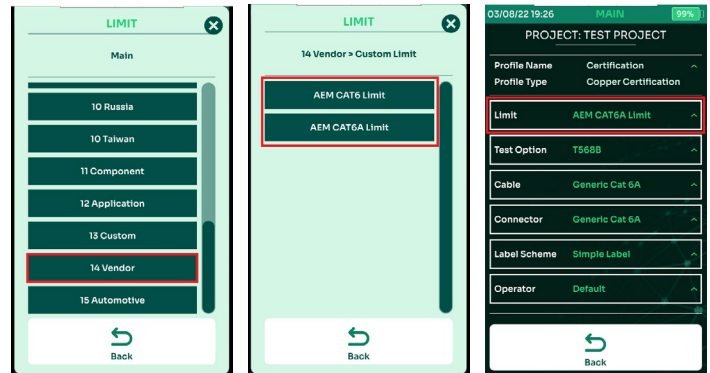
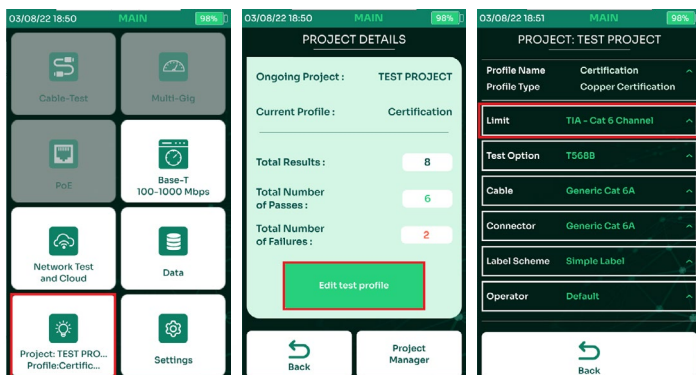
To perform unzipped firmware upgrade:

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



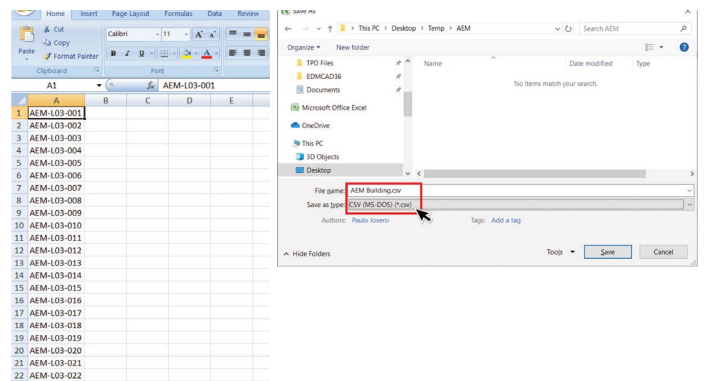
- Connect TestPro/NSA to the PC using a micro-USB cable. In the [Tools] menu group, click [Import Custom Limit].
- A [Browse For Folder] dialog box will appear. Search for the folder where the limit is saved and click [OK]. Note: ensure that the file is in CSV format.



- 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

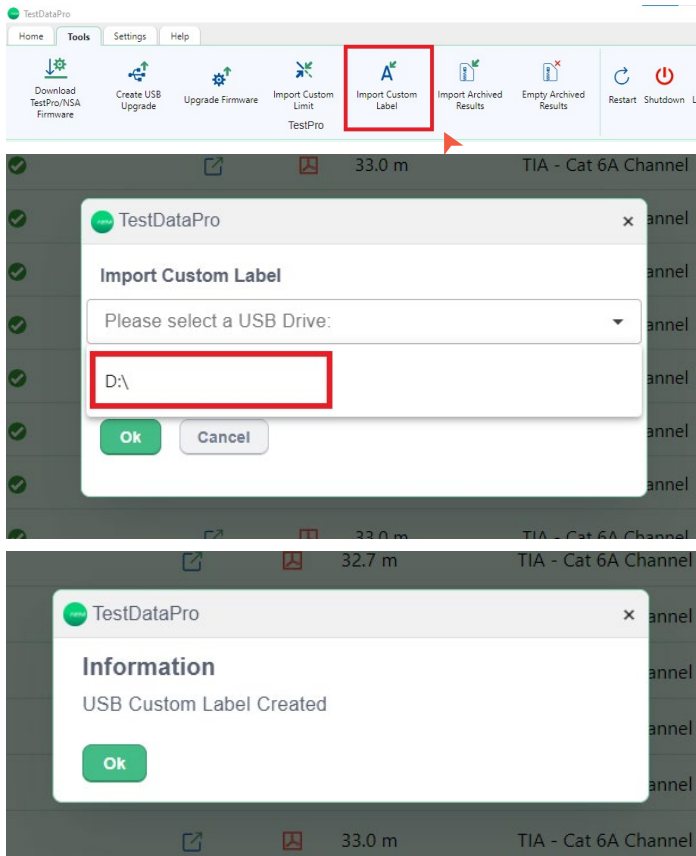
TestDataPro supports the importing of predefined labels (also known as 'custom labels') in CSV format. This will help testers follow a set of pre-defined labels in testing. TestDataPro will help track the status of the tests by displaying the untested labels first. This display can be sorted according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



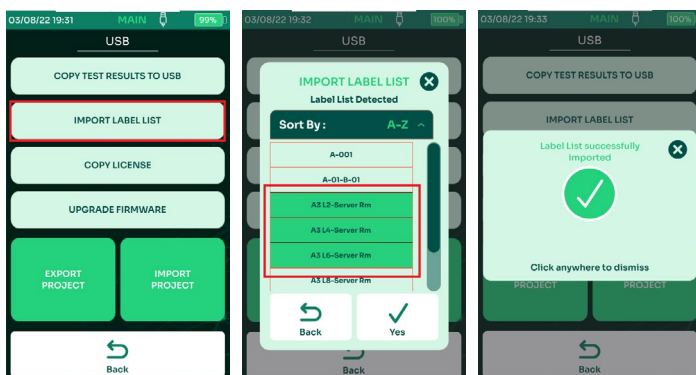
- Launch Microsoft Excel and enter the desired label name in Column A.
- Save the file in CSV (MS-DOS) format.



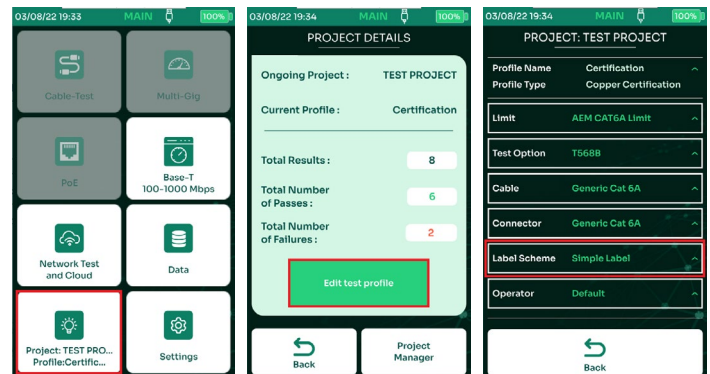
14 Importing Custom Labels



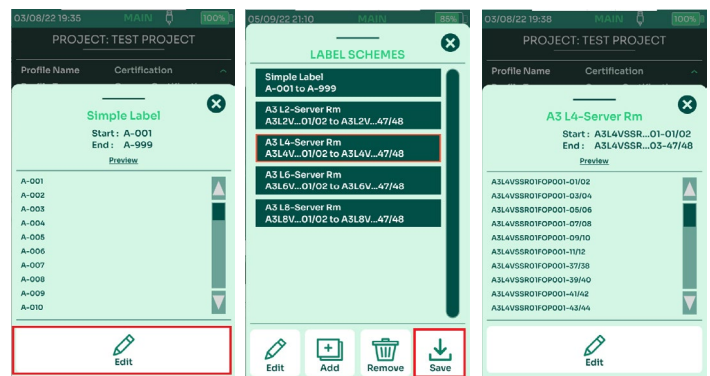
- Open TestDataPro and click [Import Custom Label] in the [Tools] menu group.
- Browse through the PC for the Excel files in CSV format and click [Open].
- Select the USB flash drive and click [OK].



- 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.

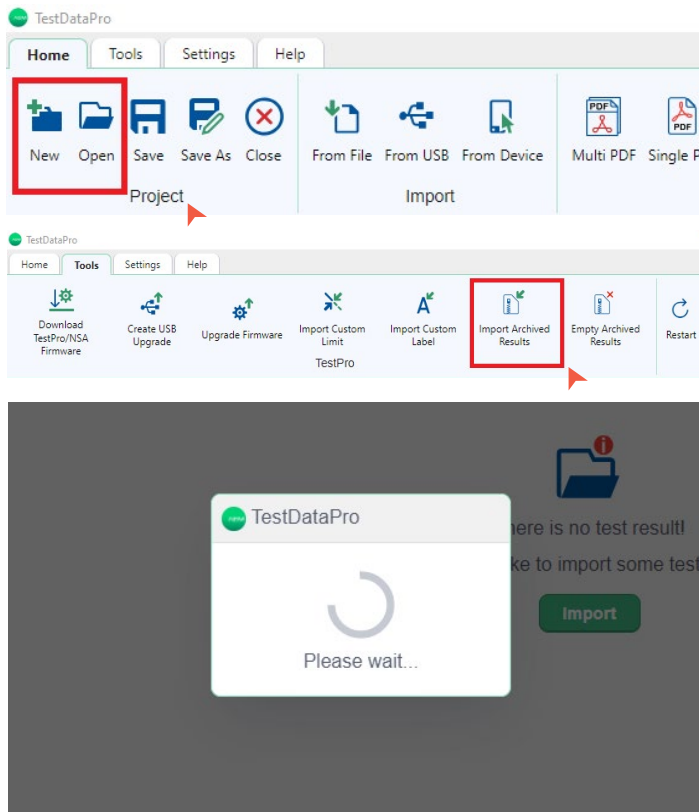


- In the main menu, select [Project/Profile].
- Select [Edit Test Profile].
- Select [Label Scheme: Simple Label].
- Select [Edit].
- Select the custom label i.e. [A3 L4-Server Rm] and select [Save].
- A preview of the selected custom labels will be displayed. Select ✕ to exit the label scheme.



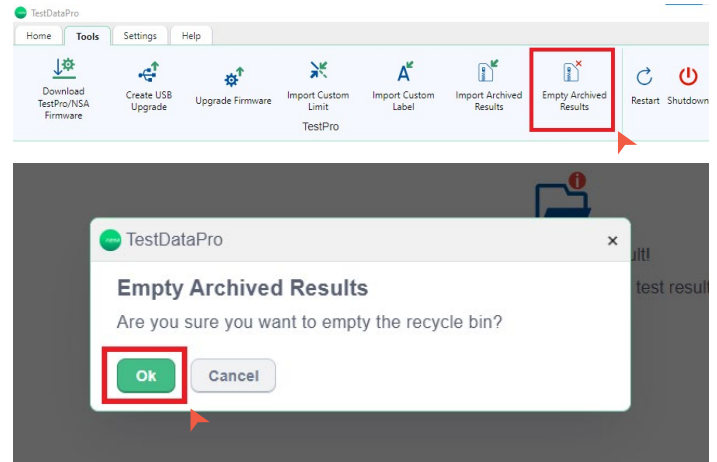


15 Importing Archived Results



- 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.

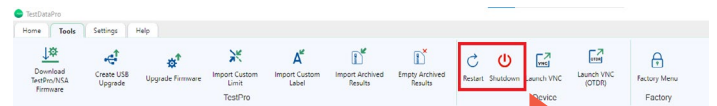
16 Empty Archived Results



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



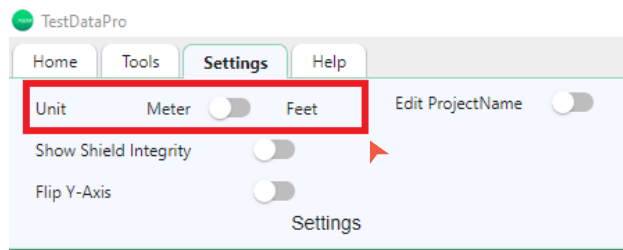
TestDataPro provides the tools to reboot the connected tester or shut it down completely.

- 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

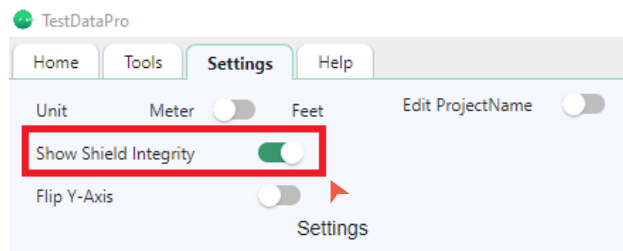
TestDataPro provides a number of different options on units of measure.



- Launch TestDataPro.
- Select [Settings] tab.
- Toggle between [Meter] and [Feet] depending on the requirements.

ii. Show Shield Integrity

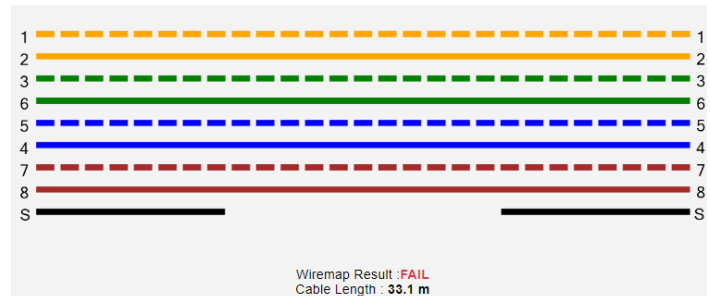
TestDataPro's Show Shield Integrity feature is used to view the shield continuity of the shielded cable. Users can see the distance to fault of the cable when the shield is open or when the shield structure of the patch cord and cable under test are different. TestDataPro will display the distance to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



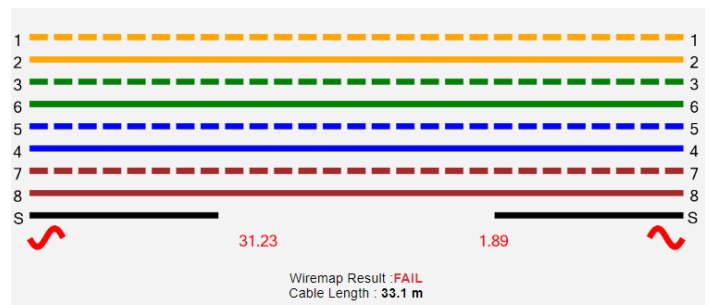
To turn on Show Shield Integrity viewing

- 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.

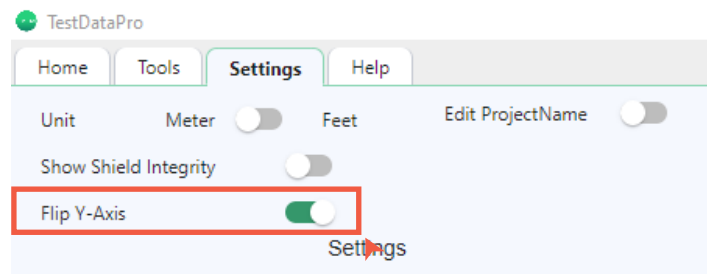


Show Shield Integrity: OFF



Show Shield Integrity: ON

iii. Flip Y-Axis



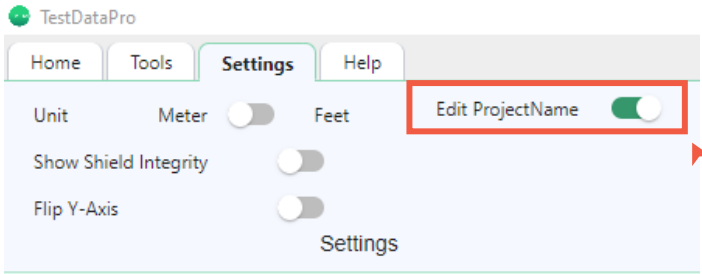
Some users prefer to view the graph upside down or opposite to what is normally shown in TestDataPro. To do this,

- 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.

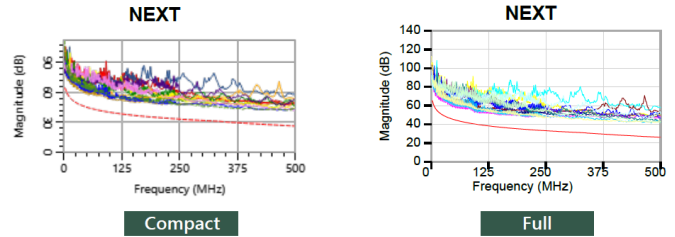
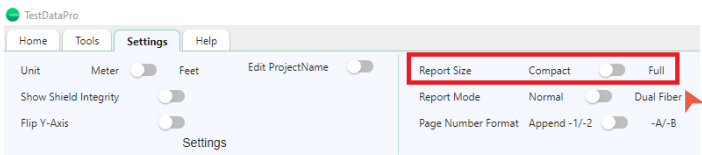


- Launch TestDataPro, click [Settings].
- Toggle the Edit Project Name to enable.

v. Report Size

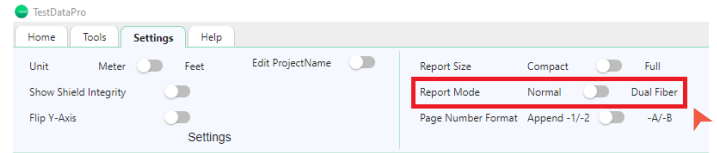
Users can toggle between [Compact] and [Full] test reports for copper cable.

- [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).



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 - 1

Test Time : 2/7/2023 1:59:00 PM	Limit : TIA-568.3-E SingleMode Indoor-Outdoor REF Grad
Project : 4.2.305	Model : TestPro CV100
Profile : SM Fiber	Serial Number : Main: 5200-1419, Remote: 5200-1238
Operator : Default	Device Software : Main: 4.2.305, Remote: 4.2.305
Juniper Method : One Juniper	Calibration Date : Main: 14/1/2023, Remote: 30/12/2022
Cable Type : Generic SMF	Main Adapter : PROBE FIBER Hybrid SM, S/N: 20002
Connector : LC	Remote Adapter : PROBE FIBER Hybrid SM, S/N: 20001
Configuration : Dual Ended Bi-Direction	Set Reference Date : 2/7/2023 1:53:24 PM
Length(m) : 2.10	Delay(ns) : 10.5
No. End Connectors : 2	End Connector Loss : 0.5
No. Connectors : 0	Connector Loss : 0.75
No. Splices : 0	Splice Loss : 0.3
	Performance Grade : OS2

1310 nm					1550 nm				
Pair	Result	Loss	Limit	Margin	Pair	Result	Loss	Limit	Margin
Fiber 1 Main to Remote	Pass	0.30	1.01	0.71	Fiber 1 Main to Remote	Pass	0.38	1.00	0.62
Fiber 1 Remote to Main	Pass	0.31	1.00	0.69	Fiber 1 Remote to Main	Pass	0.41	1.00	0.59

Unit	Reference Power
Main	-0.20
Remote	-0.48

Compliant Network

100GBASE-LX	100GBASE-ER4
100GBASE-LR4	100GBASE-ER
100GBASE-LR	100GBASE-LX4
16Gb/s FC	1Gb/s FC
20Gb/s FC	32Gb/s FC
40GBASE-FR	40GBASE-LR4
4Gb/s FC	8Gb/s FC
ATM at 155 Mbit/s	ATM at 52 Mbit/s
ATM at 622 Mbit/s	ControlNET
FDI/ SMF-FMD	Fibre Channel (FC-PH) at 1062Mbit/s



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 Grac
 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(s) : 10.5
 End Connector Loss : 0.5
 Connector Loss : 0.75
 Splice Loss : 0.3
 Performance Grade : OS2

Pass

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

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

Compliant Network

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

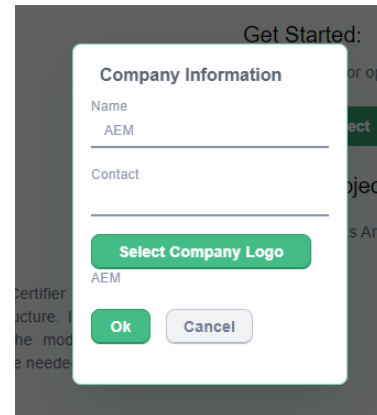
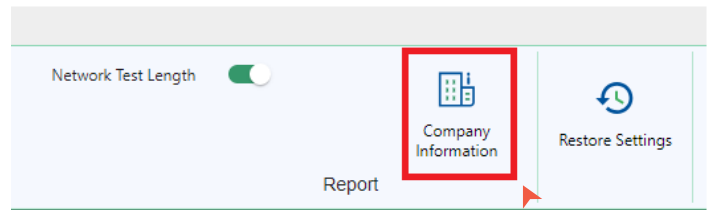
Report Size: Compact Full

Report Mode: Normal Dual Fiber

Page Number Format: Append -1/-2 -A/-B

viii. Company Information

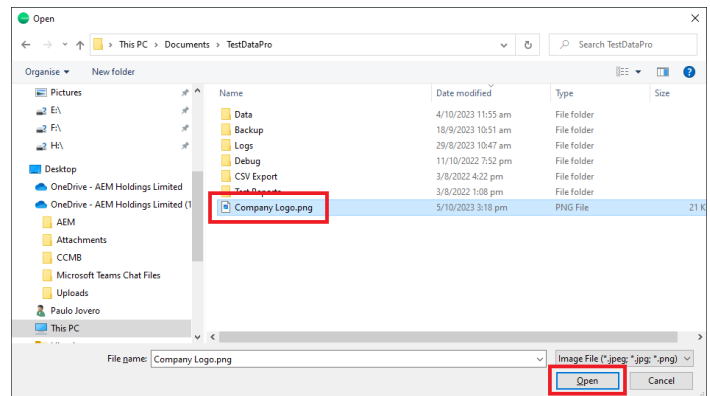
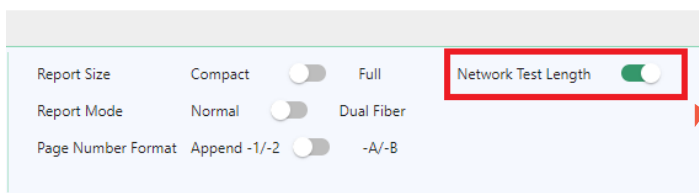
[Company Information] users can add company details such as Company name and contact info. They can also customize the logo that appears in the test report.



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.



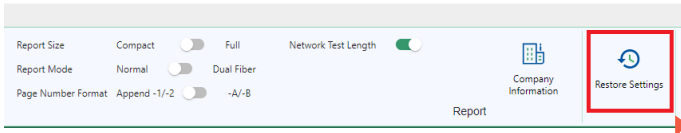
- Click [Company Information] in the [Settings] tab.
- Key in the Company name and contact information
- To change the default AEM logo that appears in PDF reports, users can choose to change the logo. Click [Select Company Logo], browse the PC for the company logo that should be in PNG format and click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

Note: TestDataPro only accepts files in PNG format.



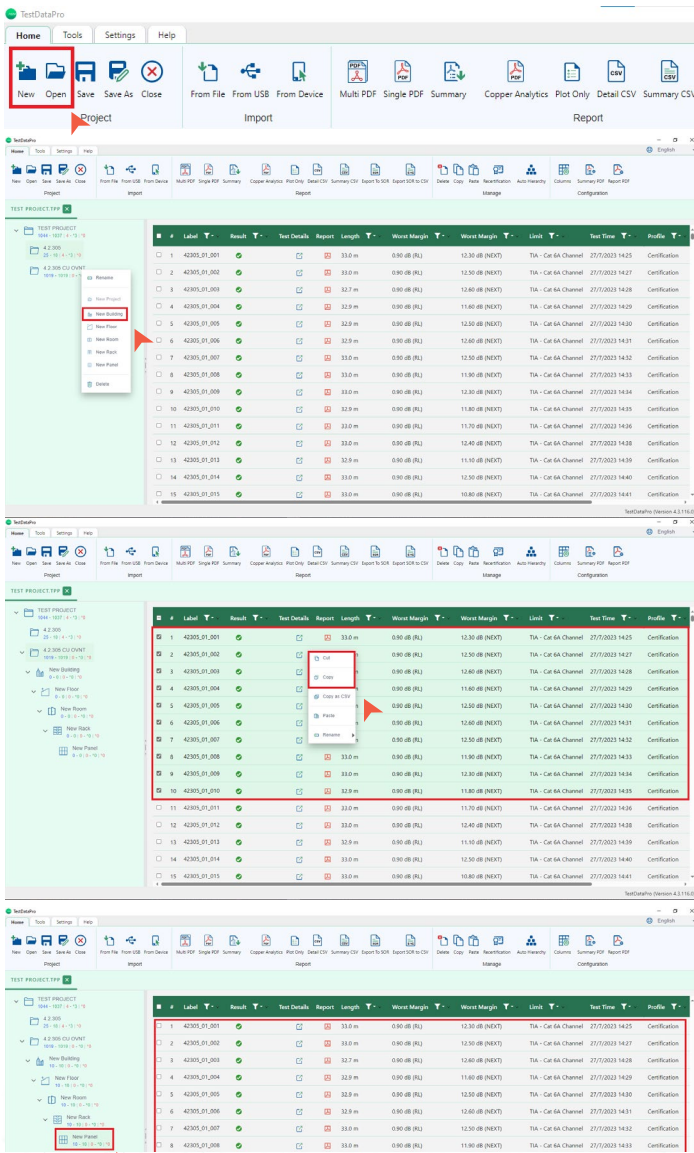
ix. Restore Settings

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

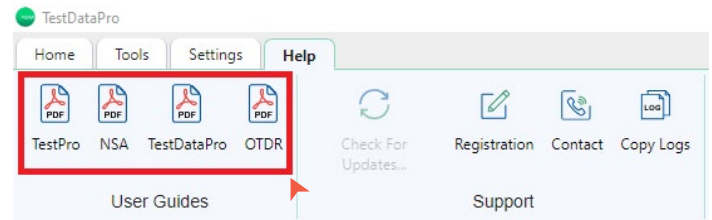


- Create or open an existing project.
- Right click on the project name and add hierarchy i.e. New Building up to New Panel
- Select all the test results that are to be moved to the desired location by utilizing the Copy/Cut and Paste function.
- To rename a hierarchy, right click on the hierarchy and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

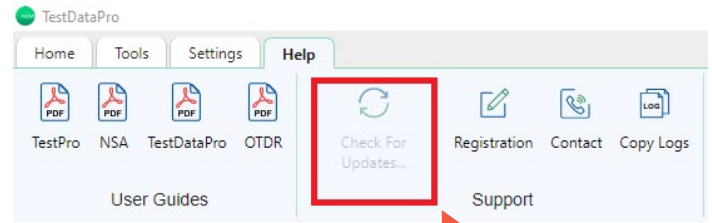
20 Sort Test Results through Hierarchy



21 Help

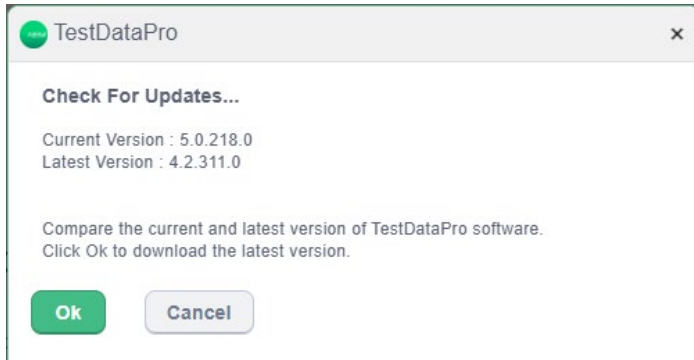


- To access the TestPro, NSA, TestDataPro and OTDR user manuals, click [Help].
- Click either [TestPro], [NSA], [TestDataPro] or [OTDR] according to the need.



To check if there is a newer TestDataPro software.

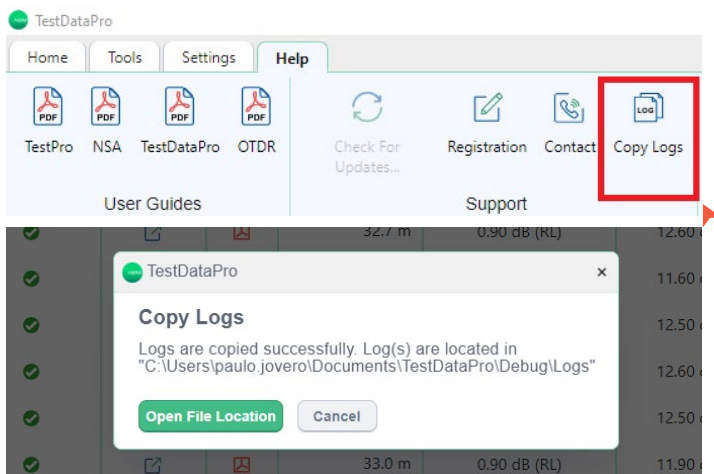
- Launch TestDataPro
- Click [Check For Updates] under [Help] menu.
- A dialog box informing the user about the current and latest versions. Click OK to start downloading the latest version of TestDataPro.



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.

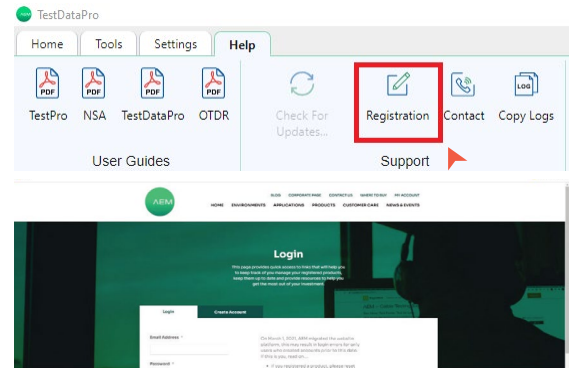
Logs are saved under the device serial number in Documents\TestDataPro\Debug\Logs



22 Product Registration and Sales & Technical Support

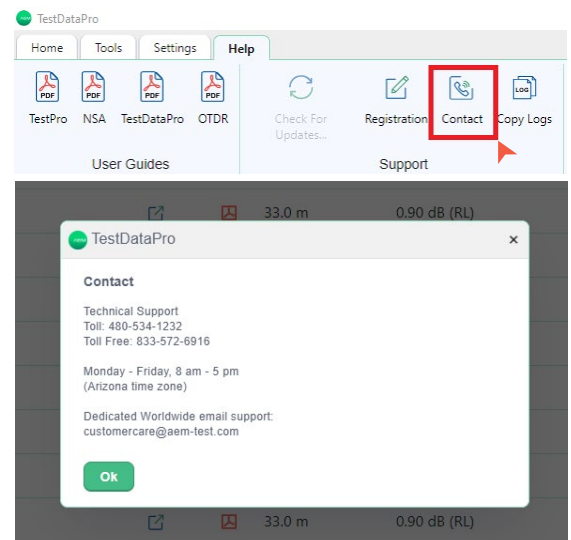
It is important to register the product to receive the latest updates and warranty information.

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.

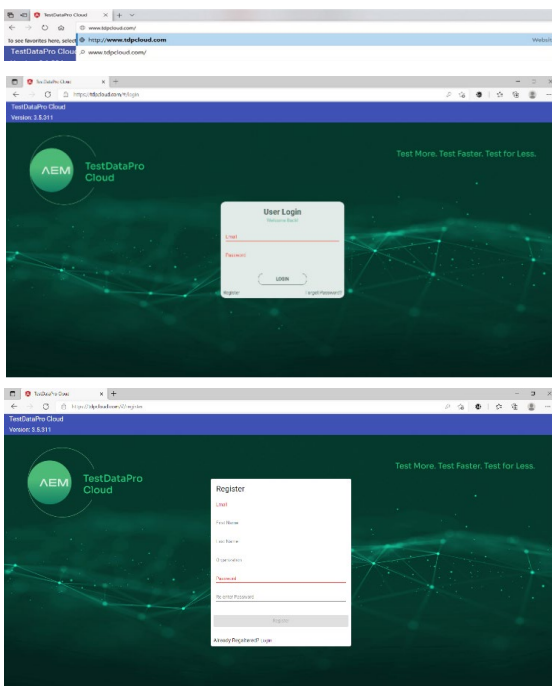


23 TestDataPro Cloud

TestDataPro Cloud is a cloud-based service that allows users to manage their test results remotely and on any smart device. Users will be able to upload their test results immediately to the database and generate certification reports. TestDataPro Cloud also supports collaborations as large projects can be divided into sub-projects that can be assigned to specific teams. In addition, users can customize reports for customers or vendors. TestDataPro Cloud provides complete visibility on every project, allowing managers to review the results of any test at any time. If the test setting or cable ID is not correct, managers will be instantly notified.

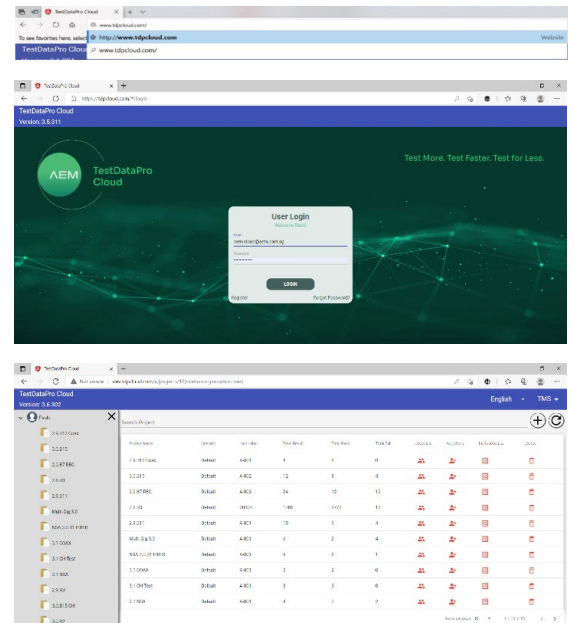
To learn how to upload the TestPro test results to the Cloud, refer to: Section 9. Test Data Management in the [TestPro User Guide](#).

a. TDPCloud Registration

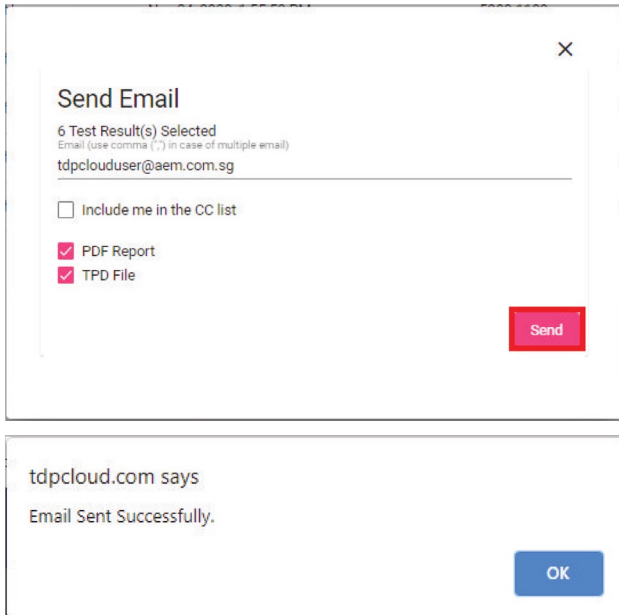





- Launch an internet browser and type in www.tdpcloud.com in the URL field.
- Click [Register].
- On the registration page, key in the account holder's email address, first name, last name, organization name and password. Re-enter the password again and click [Register]. An activation email will be sent to the account holder's email account that was keyed in.
- Open the email and click on the link to activate the account. Note: the link is valid for 24 hours only. If no email is received, check the junk mail folder.

b. TDPCloud Login



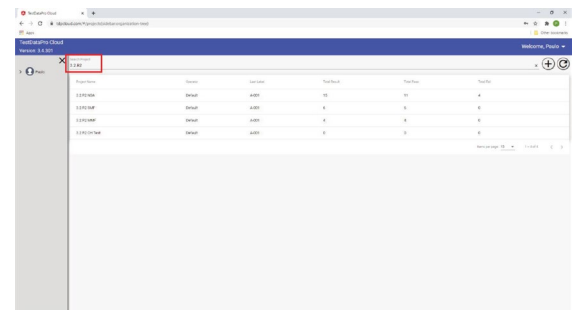
- Launch an internet browser and key in www.tdpcloud.com in the url field.
- Key in the email address and password used during account registration in the email and password fields respectively and click [Login].
- Upon logging in, the TDPCloud home screen will display the list of projects uploaded (if user had previously uploaded the projects).



- Click on any project in the list to select it. Note: project names displayed are the same as those on the TestPro device.
- A summary of the project test results will be displayed.
- To open a specific test result as a PDF, click  .
- A new window will open showing the PDF report.
- To download a test result, click  .
- To delete a test result, click  .
- To download multiple test results, select the specific test results or select all and click [Options] and then [Download Selected TPD].
- To send the test results in PDF or TPD format, select the specific test result or all test results, click [Options] and then click [Send Email of Selected Record(s)].
- Key in the recipient's email address, select [PDF Report] and/or [TPD File] and click [Send].
- A dialog box will confirm email sent.

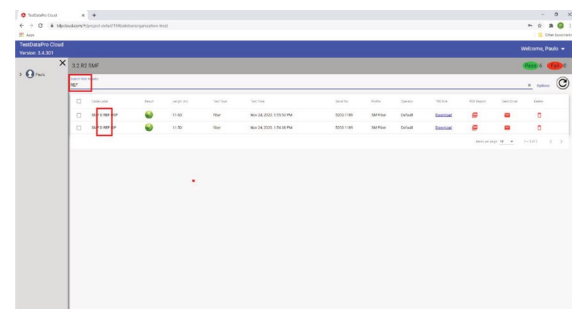
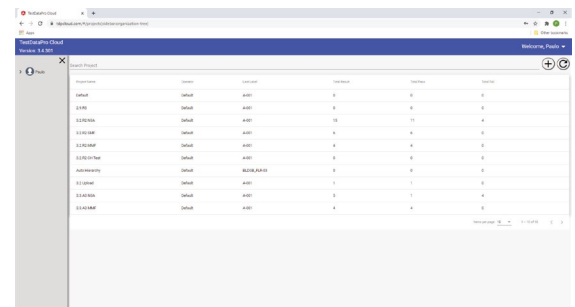
d. TDPCloud Search

i. Searching Projects



- On the home screen, type in the keywords of any project name (note: there is no need to type in the full name to see the list of projects matching that name - i.e. "3.2.R2" will display all projects containing "3.2.R2" text).

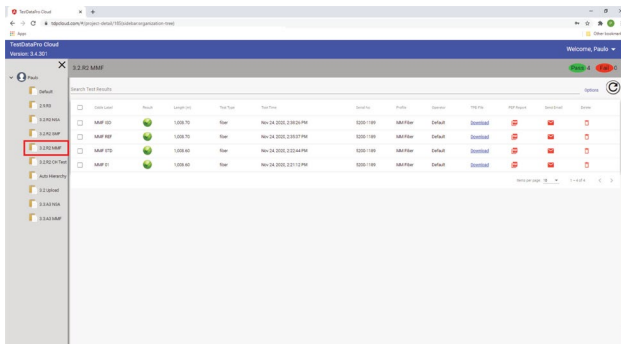
ii. Searching Test Results



- In the home screen, choose a project to view its test results.
- On the test results screen, type in a keyword, i.e., "REF" to see the test results containing the text "REF".

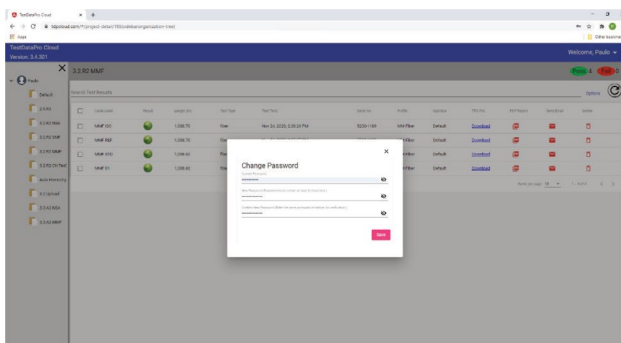
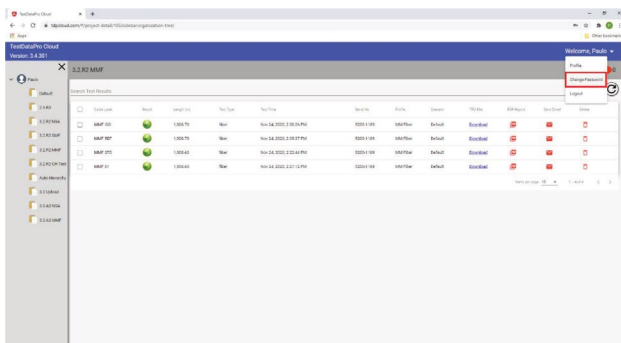


e. Switching Projects




- To switch from one project to another, simply click on the project name on the left side of the screen.

f. Changing Password

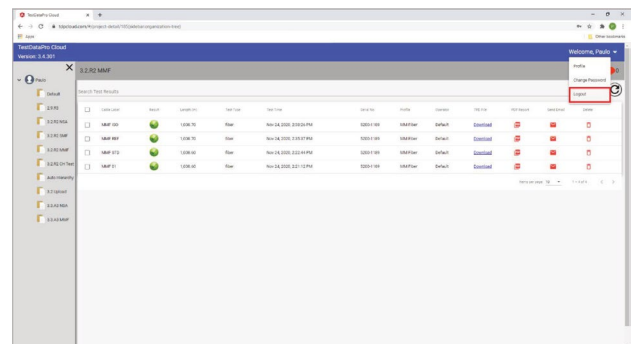



tdpcloud.com says
Password updated!

OK

- To change the password, click  at the top right of the screen next to the account name.
- Click [Change Password]. The change password dialog box will be displayed. Follow the instructions to change the password.
- After keying in the password, click [Save]. A dialog box will confirm that the password has been saved.

g. Logout



- To log out, click  at the top right of the screen next to the account name. Click [Logout].

