eXport PC Software

for WireXpert

User Manual

Disclaimer

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For more information on WireXpert or eXport, please contact Softing at **http://itnetworks.softing.com/**

Minimum system requirements for eXport:

- Microsoft Windows® Vista/7/8/10, 32-bit
- Intel Core 2 Duo, 2Ghz
- 200MB of free disk space for installation
- 1GB of RAM
- Microsoft .NET framework

Recommended system requirements:

- Microsoft Windows® Vista/7/8/10, 64-bit
- Intel Core i3, 2.4Ghz and above
- 4GB of RAM

EU Declaration of Conformity

We

Psiber Data Pte. Ltd.
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#03-09, The Franklin
Singapore Science Park 1
Singapore
118223

declare under our sole responsibility that the products

Model / Description

WX4500-FA	/	WireXpert cable certifier 2500 MHz
WX500-CU	/	WireXpert cable certifier 500 MHz
WX_AD_VCL_MM1/MM2	/	Multi mode fibre adapter
WX_AD_EF_MM1/MM2	/	Multi mode fibre adapter (encircled flux compliant)
WX_AD_SM1/SM2	/	Single mode fibre adapter
WX_AD_MM_MPO_KIT/ SOURCE/PWRMETER	/	Multi mode MPO adapters

comply with the requirements of the following directives:

EMC directive 2004/108/EC (valid until April 19, 2016)
EMC directive 2014/30/EU (valid from April 20, 2016)

RoHS directive 2011/65/EU

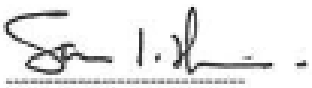
Low Voltage Directive 2006/95/EC (valid until April 19, 2016)
Low Voltage Directive 2014/35/EU (valid from April 20, 2016)

Applied harmonised standards:

EN 55024 (2003-10) : Information technology equipment – Immunity characteristics – Limits and methods of measurement

EN 55022 (2008-05) : Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement

IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013 : Information technology equipment – Safety – Part 1 : General requirements



Simon Harrison
General Manager

15/3/16
Date

Template version 2.0		Document No: 3000-0004

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Chapter 1 - Introduction

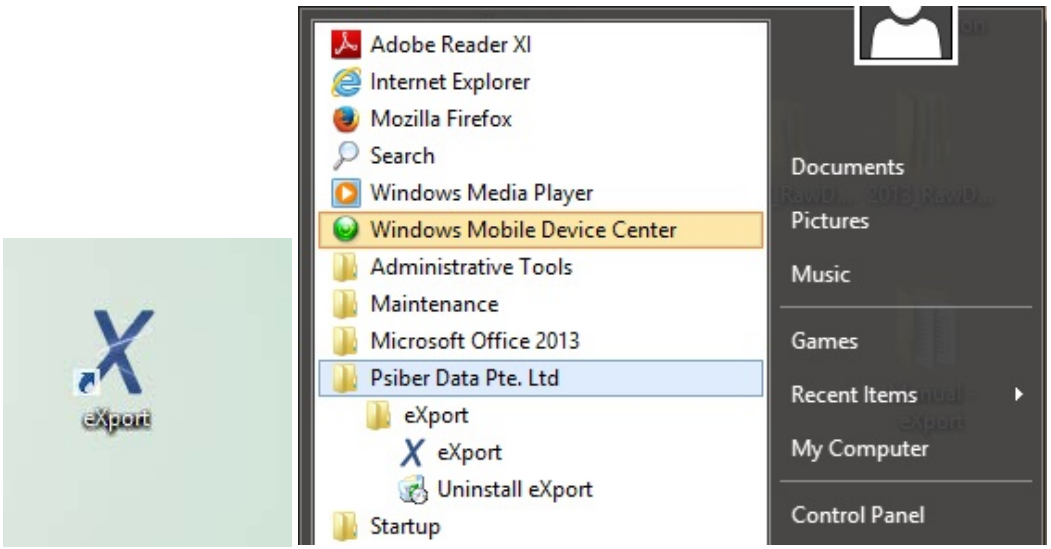
Please ensure eXport has been installed into your workstation before you proceed further. Please refer to *Installation Guide* for detailed instructions on how to obtain and install eXport.

eXport is a software programmed to work seamlessly with WireXpert. It is designed to generate reports from test results obtained from WireXpert units or the standard OTDR *.SOR file, and capable of exporting to the commonly used *.CSV and *.PDF format for data archiving. The software has undergone numerous qualitative and functional tests to ensure the latest version meets the latest industrial standards and trend requirements.

This manual will only contain information and instructions on how to use eXport software. Please refer to User Manual and Guides for WireXpert for device help.

Running the Program

1. Double click on the “eXport” shortcut icon on your desktop or go to the Start Menu > Psiber Data > eXport and click on the eXport icon to start the program.



2. The program will start with the version/build number indicated.

Upgrading from eXport 6.x

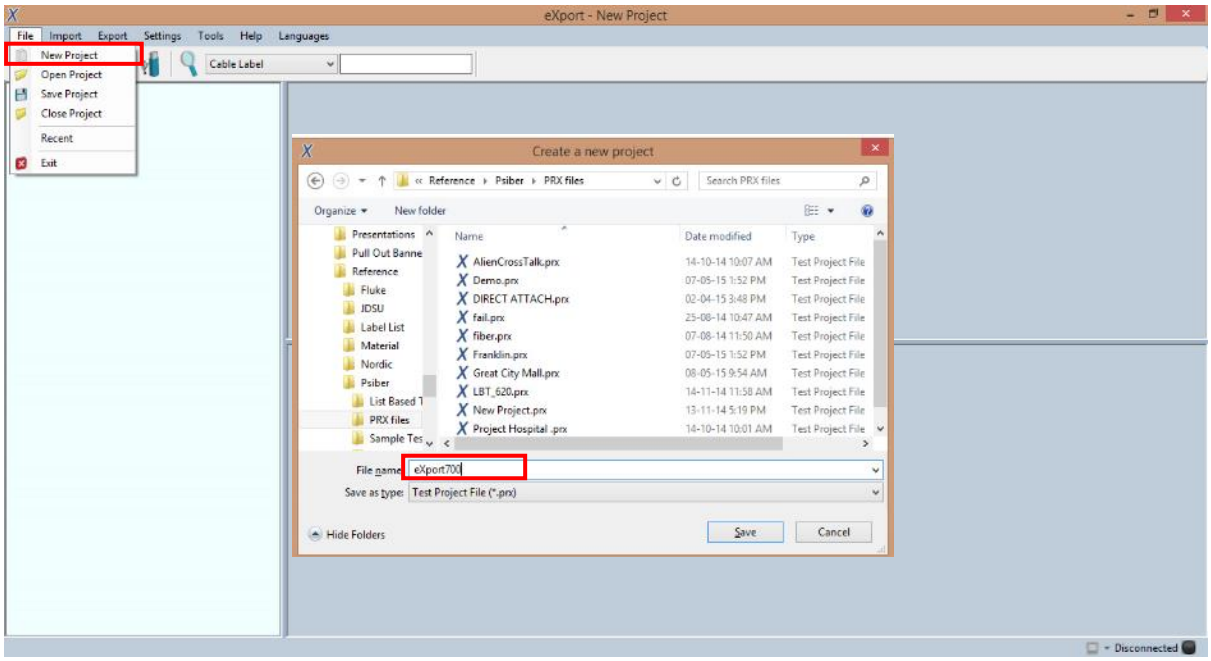
eXport 7.x has upgraded its database structure and added new features such as the Re-certification function. You are recommended to perform a clean installation of the software by uninstalling the existing 6.x software before installing the 7.x version.

Chapter 2 – Project Management

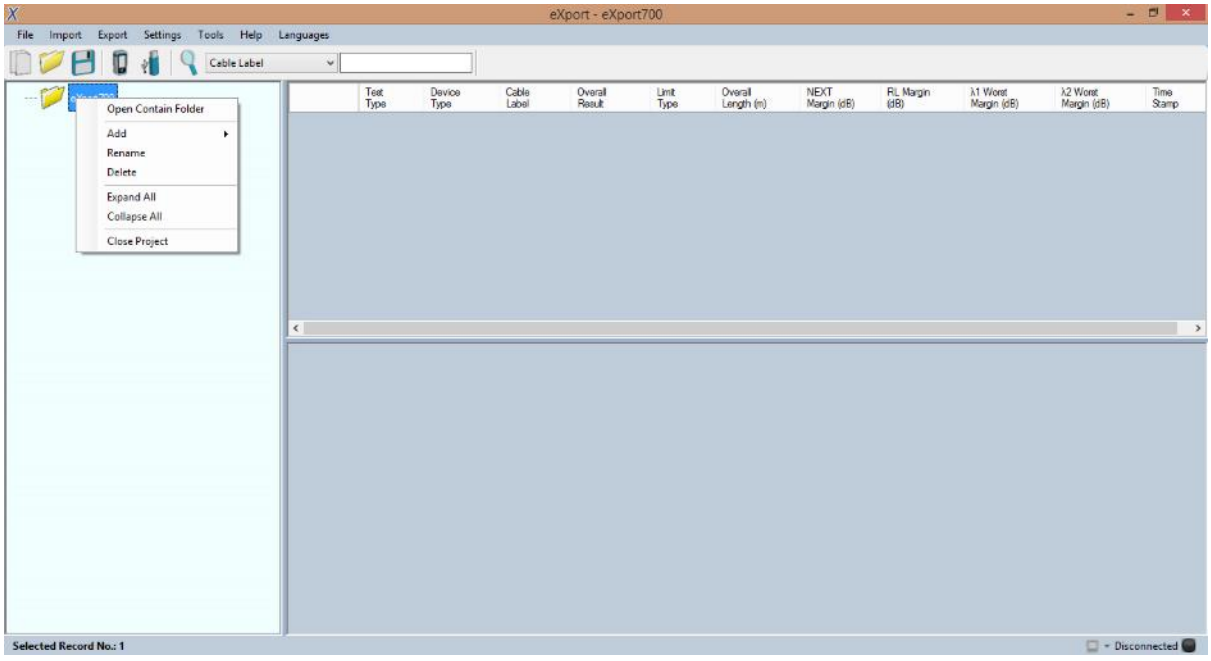
File Management

Creating a New Project

1. Go to File > New Project or click the  "New" icon to create a new project.



2. Right click on the new project that is created;



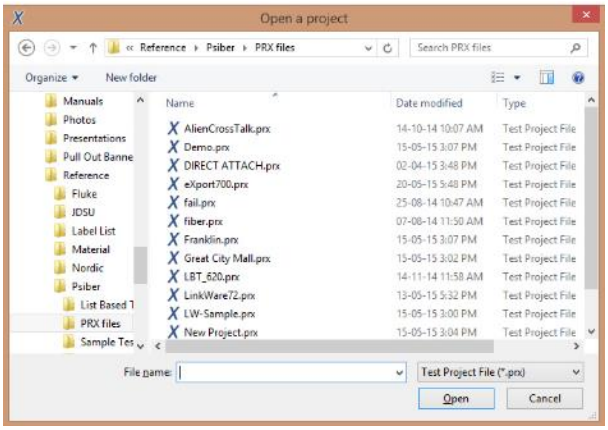
- Open Containing Folder – Opens file directory project file is saved in.
- Add (Sub-items to be added in hierarchal order)
    - Site – Adds a new site to the project.

- Building - Adds a new building sub-item to the selected site.
- Floor – Adds a new floor sub-item to the selected building.
- Room – Adds a new room sub-item to the selected floor.
- Rack – Adds a new rack sub-item to the selected room.
- Panel – Adds a new panel sub-item to the selected rack.

- Rename – Renames the selected item.
- Delete – Deletes the selected item.
- Expand All / Collapse All – Expands or collapses the items and sub-items in the project.
- Close Project – Closes the selected project

Opening an Existing Project

1. Go to File > Open or click the  "Open" icon to open an existing project. Locate your project (*.prx) file and click 'Open' to proceed.



Importing

Test Results from Device

1. Please ensure WireXpert is connected to your workstation via an USB cable.

2. You may be prompted to install Microsoft Windows Mobile Device Center.

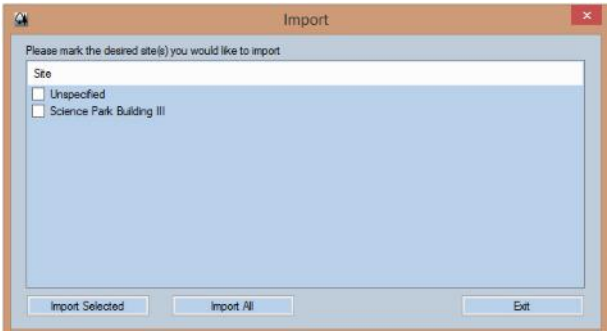
   Click ‘Accept’ to proceed installing the necessary drivers.

3. Status bar will indicate “Connected” once your workstation is linked to the Device.

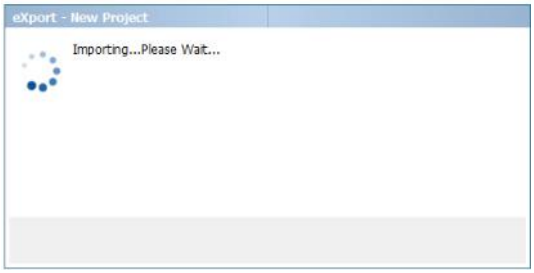
4. Go to Import > Device or click the  “Device” icon.

5. Select the Test Results you wish to import and click ‘Import Selected’ to proceed.

   Click ‘Import All’ to import all test results.



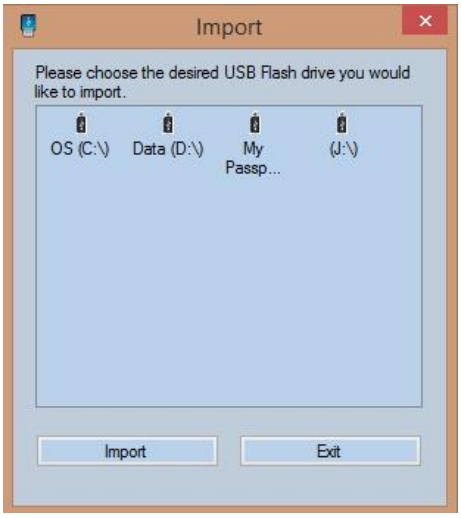
6. Depending on number of saved results, eXport may take longer to import.



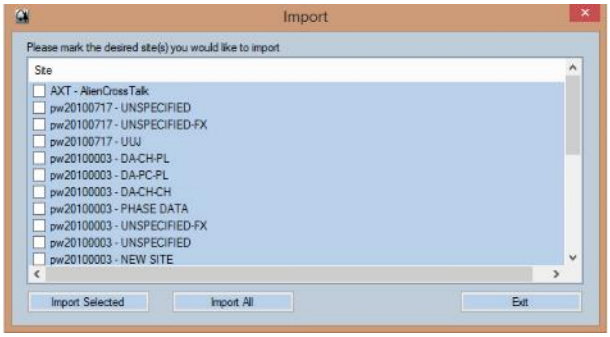
7. Status bar will indicate “Importing” during the import.

Test Results from USB Flash Drive

1. Go to Import > Device or click the “USB Flash Drive” icon.
2. Select the Drive you wish to import the Test Result from. Click “Import” to proceed.

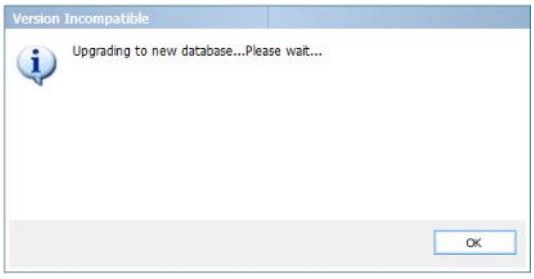


3. Select the desired site(s) to import and click “Import Selected” or click “Import all” to import all sites.



4. Status bar will indicate “Transferring” during the import.

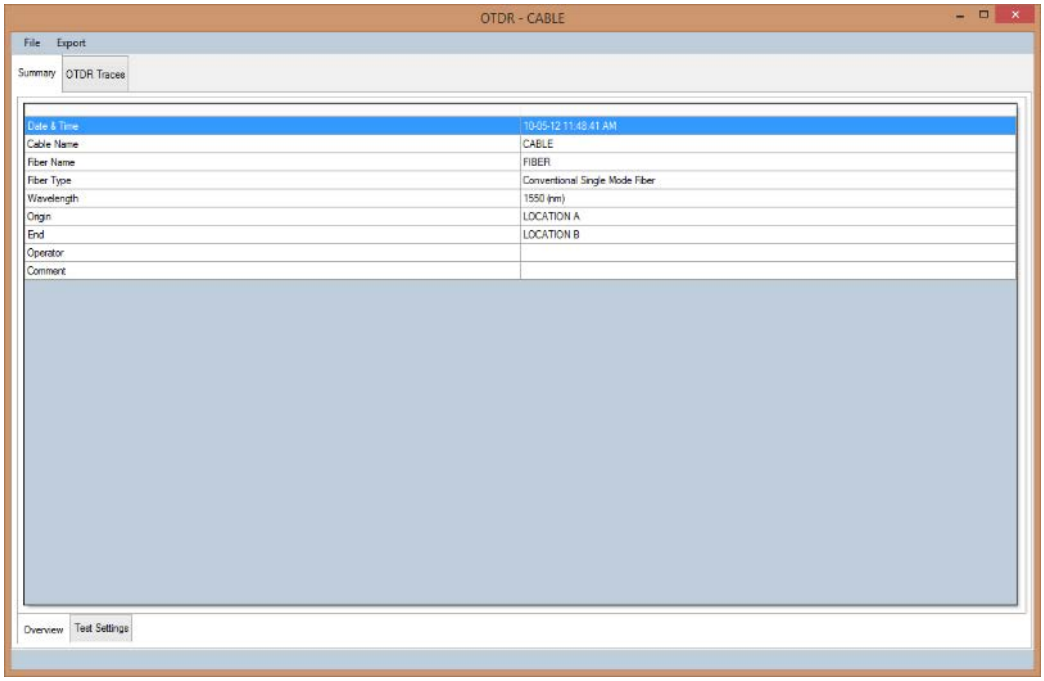
5. eXport will automatically upgrade the database if test results are imported from a previous build.



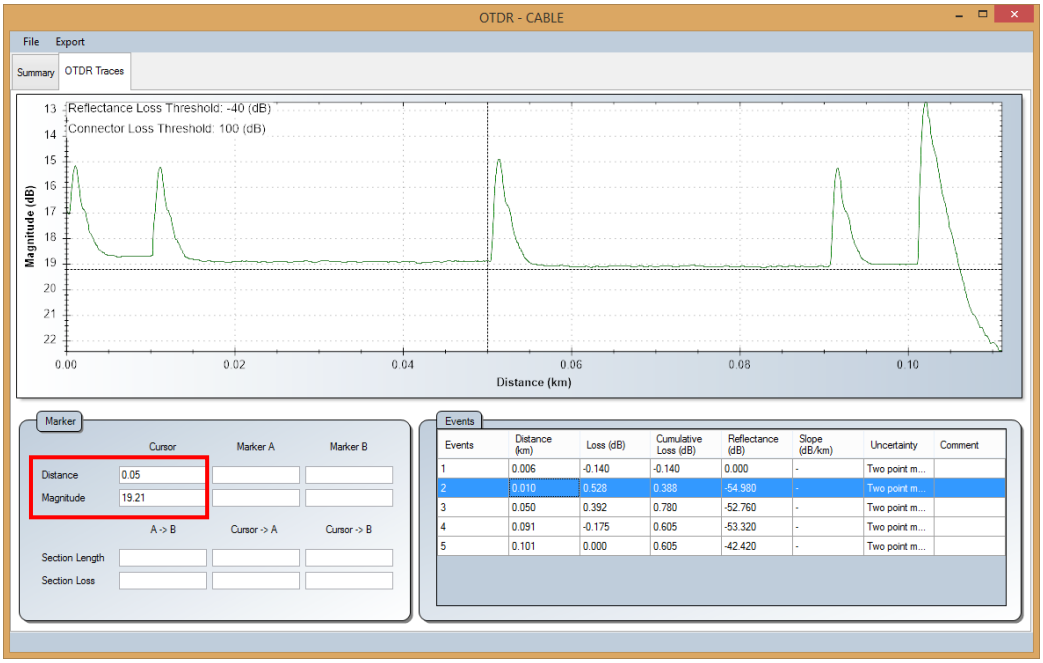
OTDR Test Results from SOR files

1. Go to Import > OTDR to import *.SOR files.

2. Locate the *.SOR file and click “Open” to begin import.
3. Double click the test result to view the detail test results.

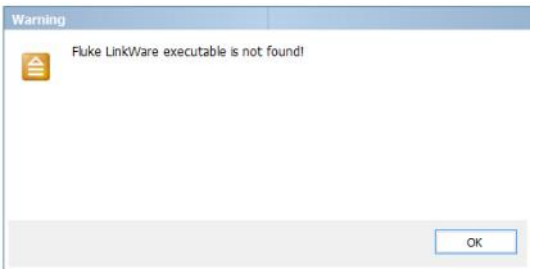


4. Move mouse cursor over chart in detailed view “OTDR Traces” to view distance over magnitude results.



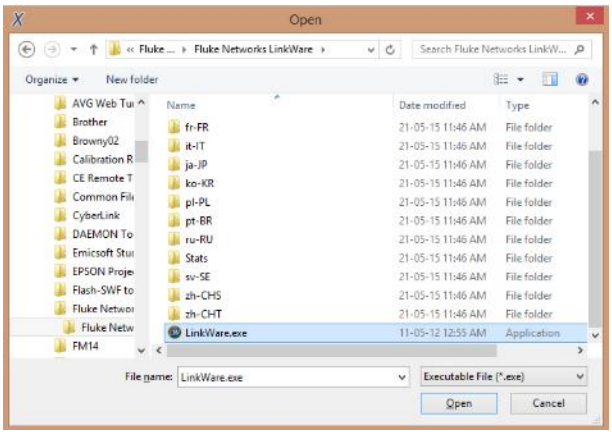
Fluke Linkware Test Results from FLW files

Please ensure Linkware v7.2 and above is installed in workstation before importing data.



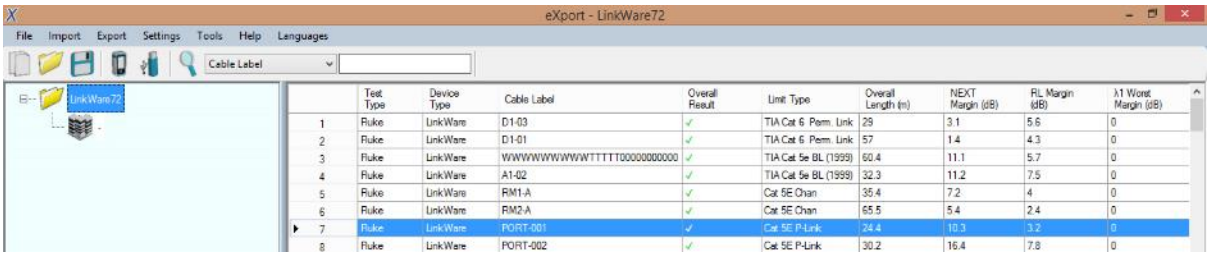
1. Go to Import > Other Format > Fluke Linkware to import *.FLW files.
2. eXport will attempt to detect Linkware application if the software has been installed in the default directory. Otherwise, locate the folder where the software is installed,

select “Linkware.exe” and click Open.



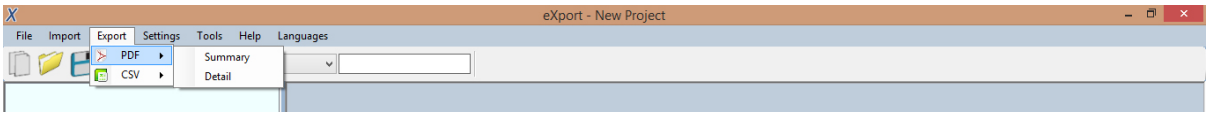
3. Locate the *.FLW file and click “Open” to begin import.

4. Double click the test result to view the detail test results.

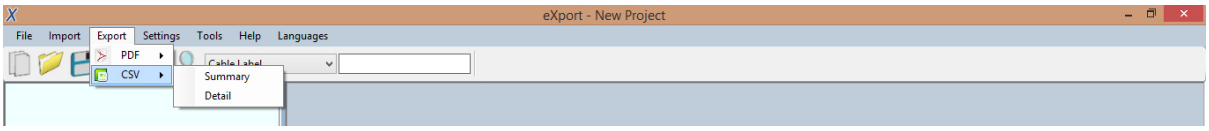


Exporting the Test Results

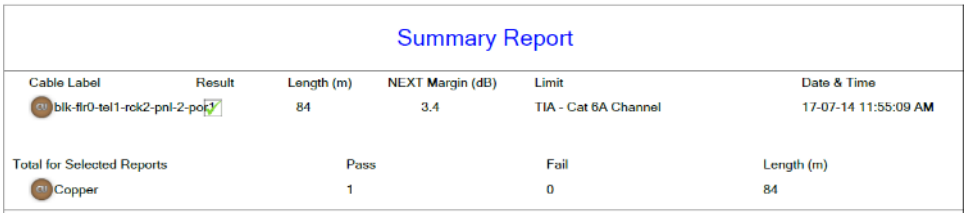
1. Go to Export > PDF to export selected test report in *.PDF format.



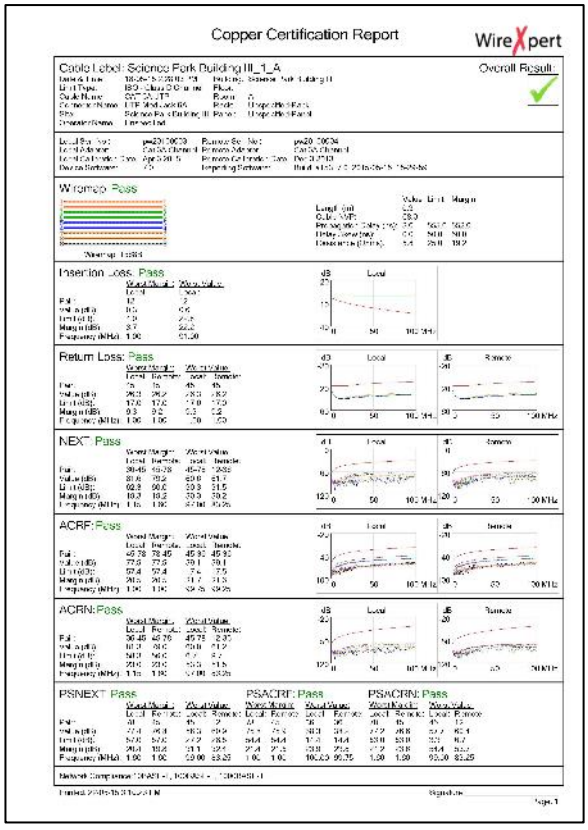
Go to Export > CSV to export selected test report in *.CSV format.



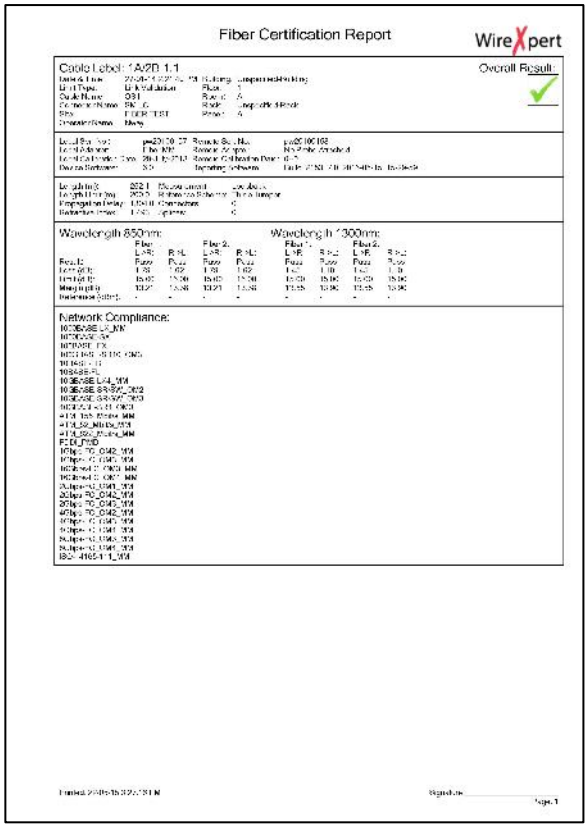
- Summary – Generates summarized result(s) listing only the basic information. Generally used to tabulate report for entire project.



- Detail – Generates full testing result consisting of all tested parameters, plots, test settings and device information of individual point.

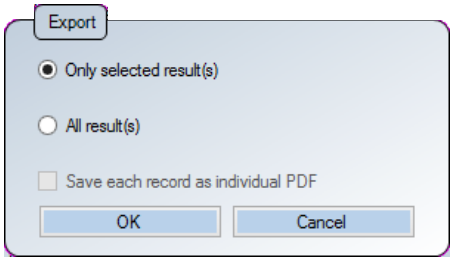


Typical Copper Certification Report (Detail)

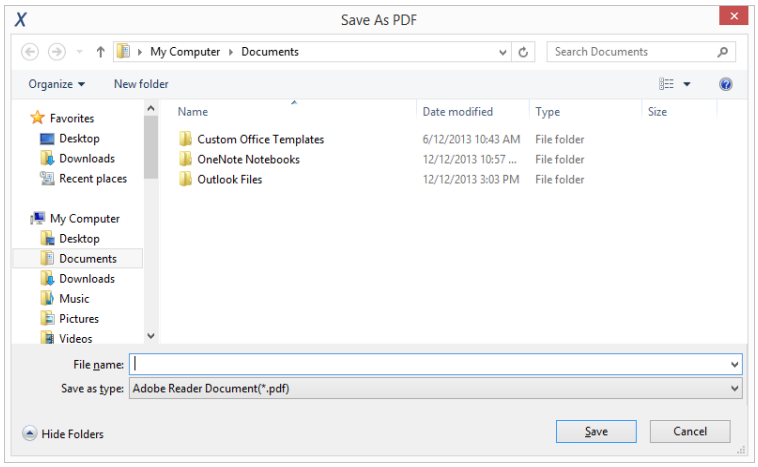


Typical Fiber Certification Report (Detail)

2. Select “Only selected result(s)” for desired results or “All result(s)” for all results that has been loaded. Click ‘OK’ to proceed.



3. Choose directory to save PDF or CSV file, enter file name and click ‘Save’ to proceed.



Note: When Saving Phase Data option is enabled in the Lab Options, exported CSV file can be used to generate plots for phase information.

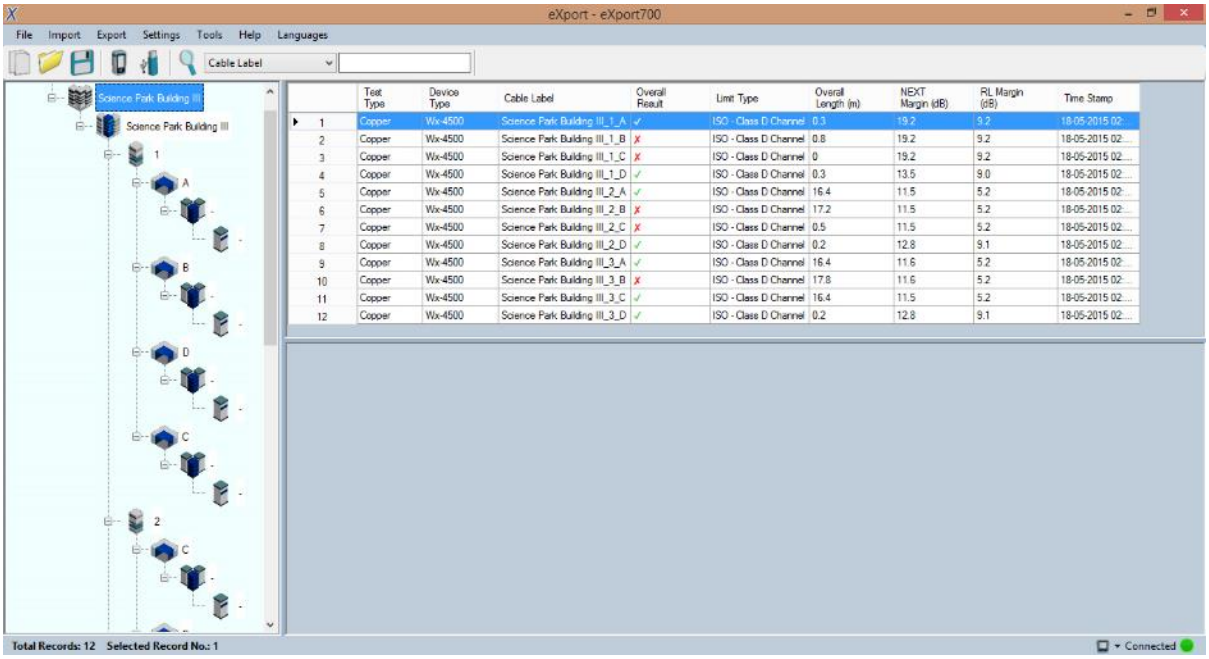
Chapter 3: Data Management

Viewing the Test Results

1. After importing test results, summarised data will be displayed.

   Click on the Project name to display all test results.

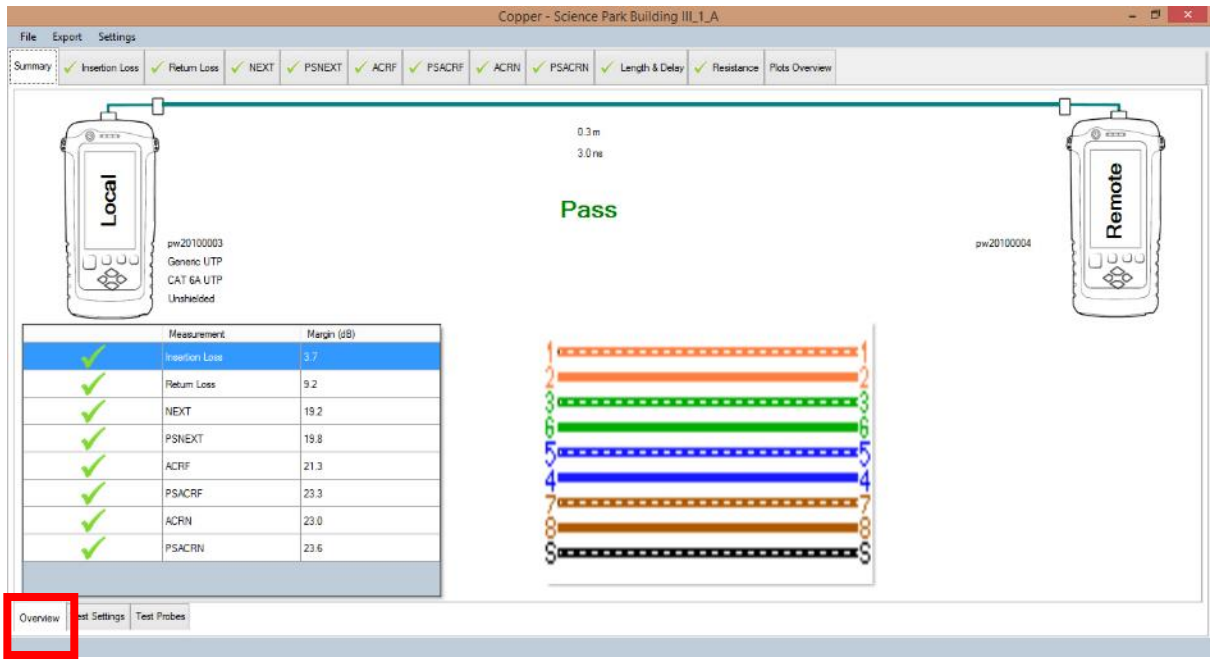
   Click on the Site name to display test results saved within the site.



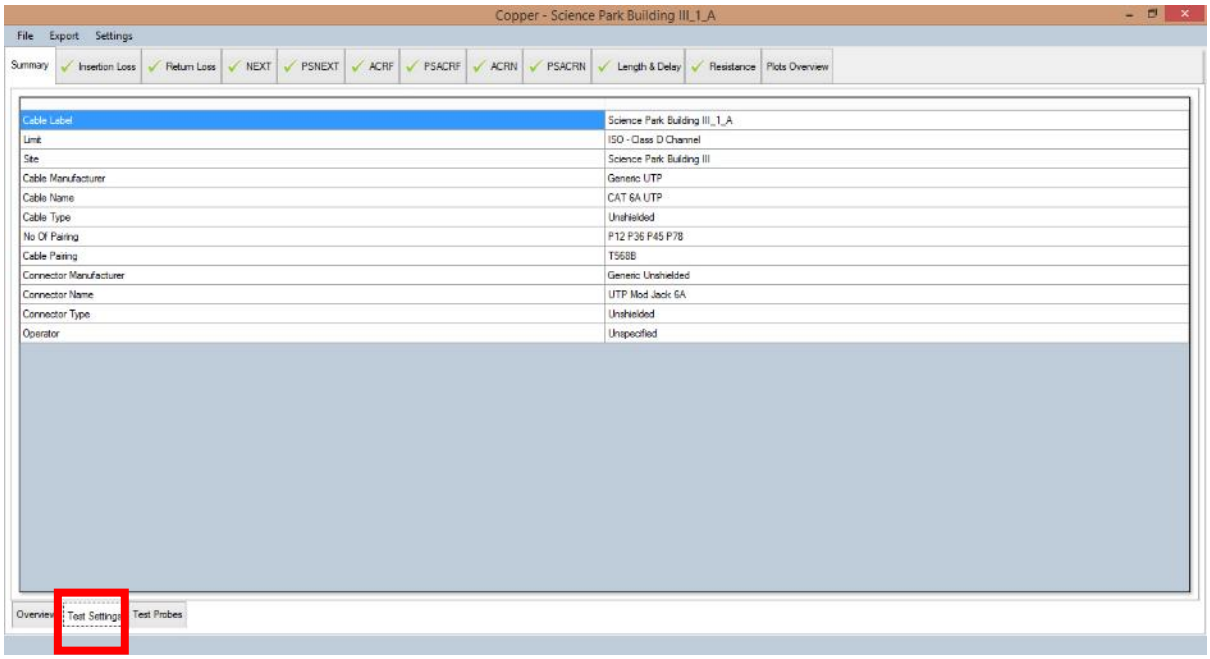
Legend

✓ *Pass* ✓* *Marginal Pass* ✗ *Fail* ✗* *Marginal Fail*

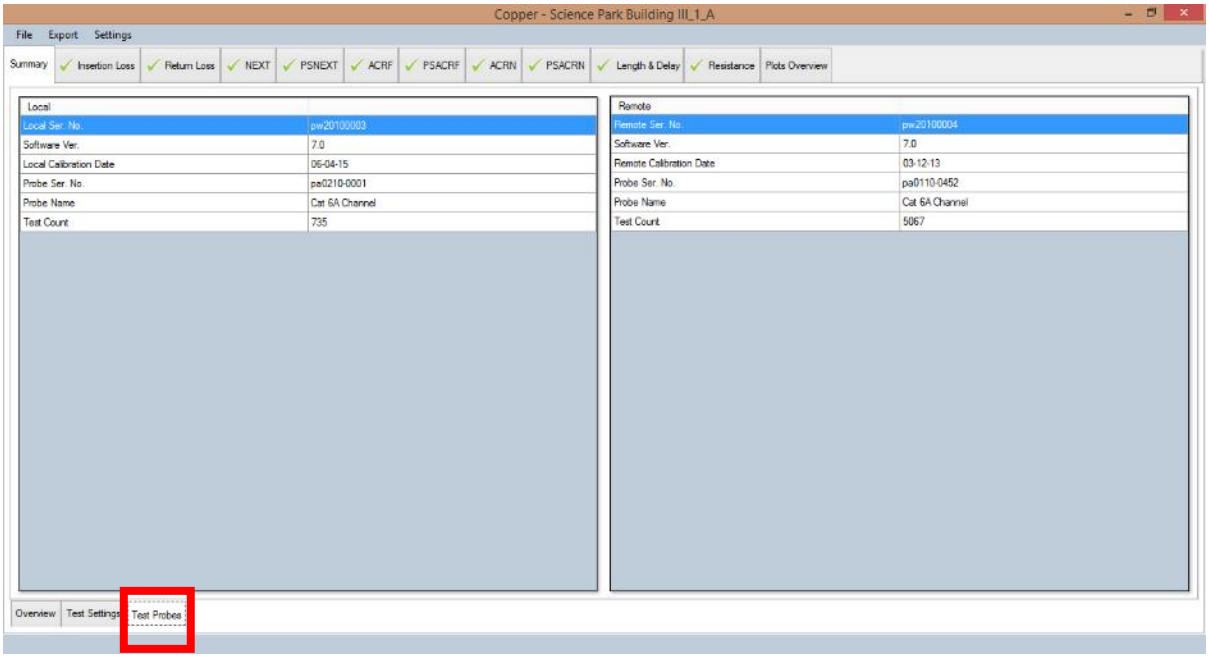
2. Double click view more comprehensive information of the test result.



The ‘Overview’ tab displays the summary of the selected results.

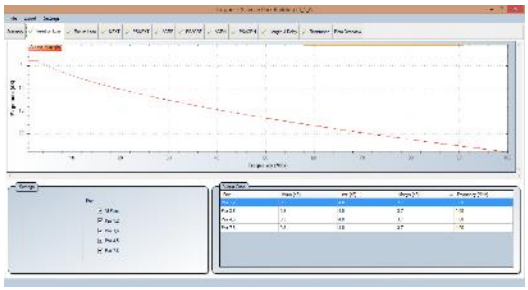


The ‘Test Settings’ tab displays the configurations used for the selected results.

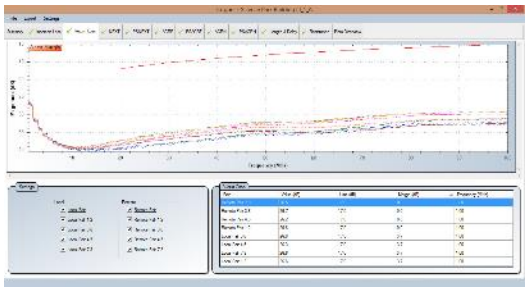


The 'Test Probe' tab displays information on the hardware used to obtain the results.

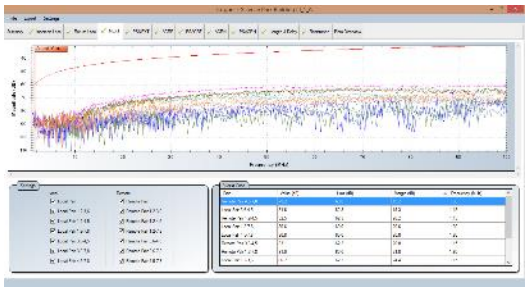
3. Click on the individual tab to display plots, worst marker and other detailed information. Use the scroll wheel of the mouse on the plots to zoom in/out the results, and right click for more in-plot options.



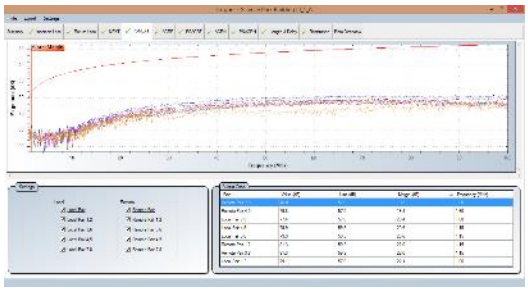
Insertion Loss



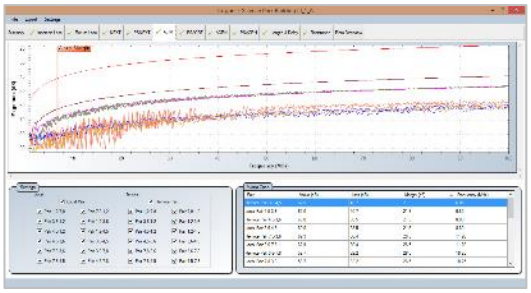
Return Loss



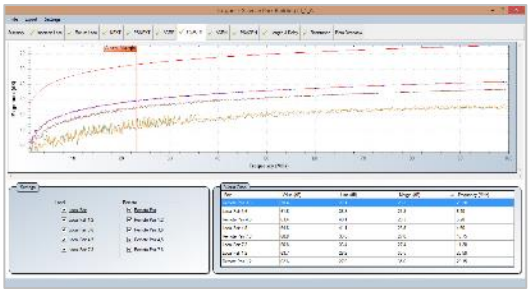
NEXT



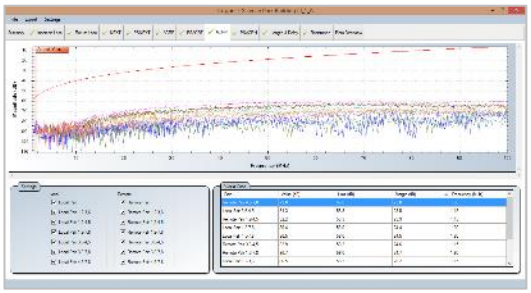
PSNEXT



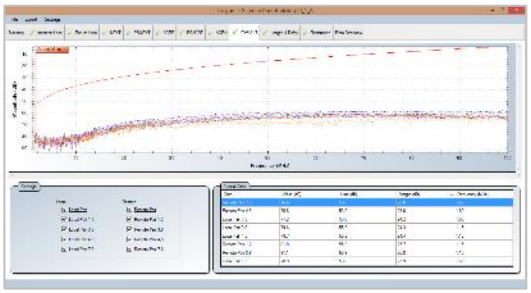
ACRF



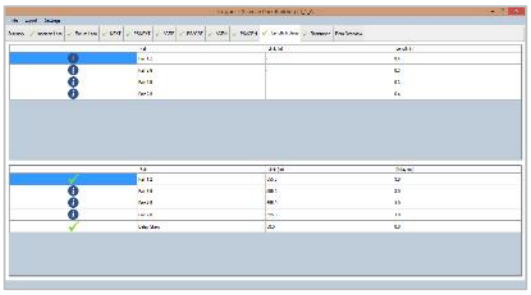
PSACRF



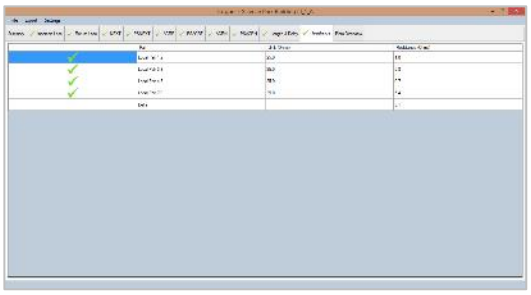
ACRN (ISO only)



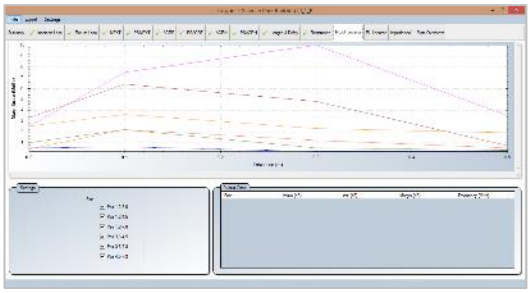
PSACRN (ISO only)



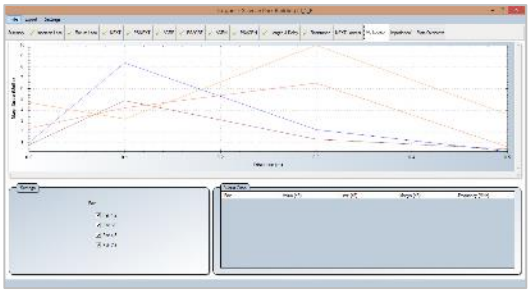
Length & Delay



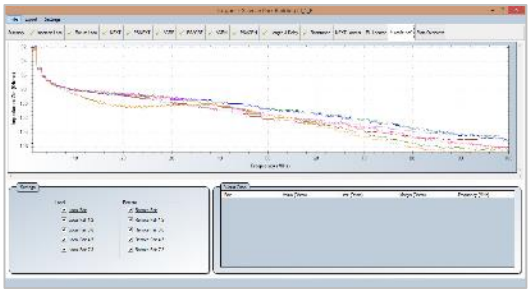
Resistance



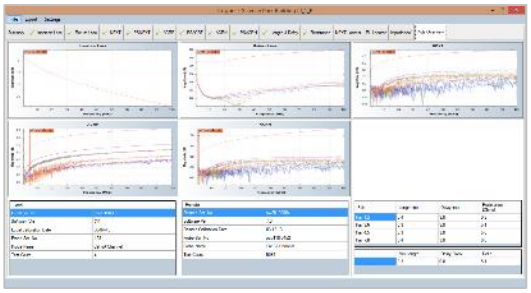
NEXT Locator



RL Locator



Impedence

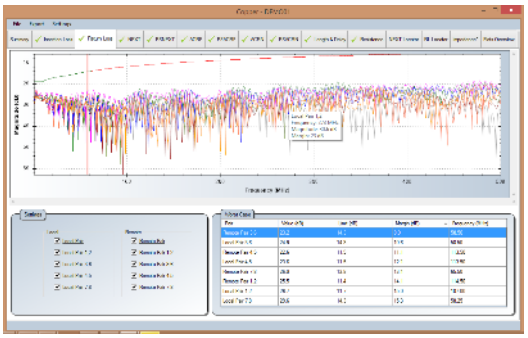


Plots Overview

Inverting Y Axis

1. Go to Settings > Y Axis (Vertical) Orientation > Inverted

Default chart

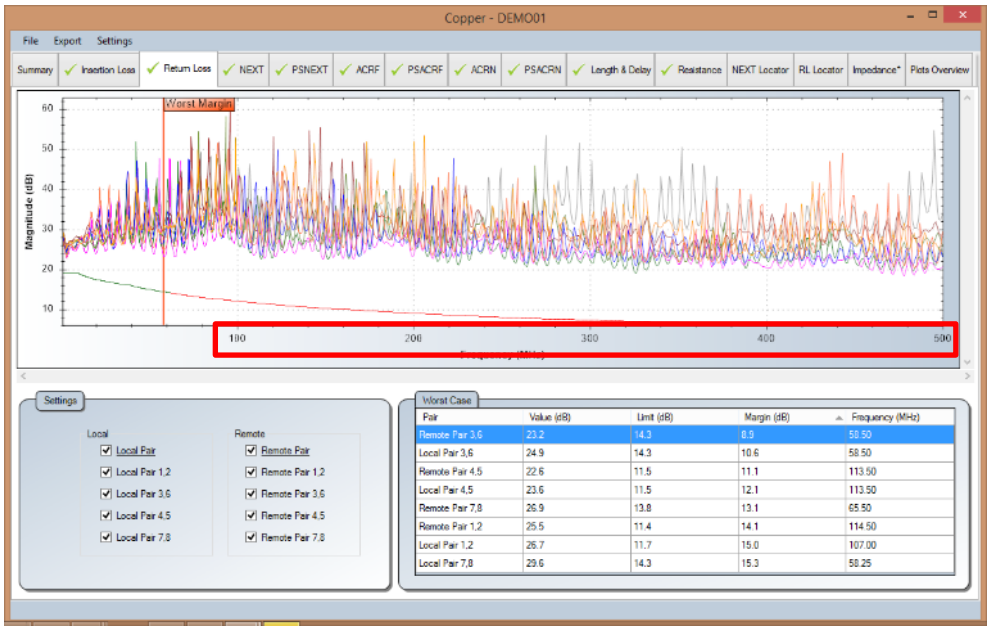


Inverted Chart

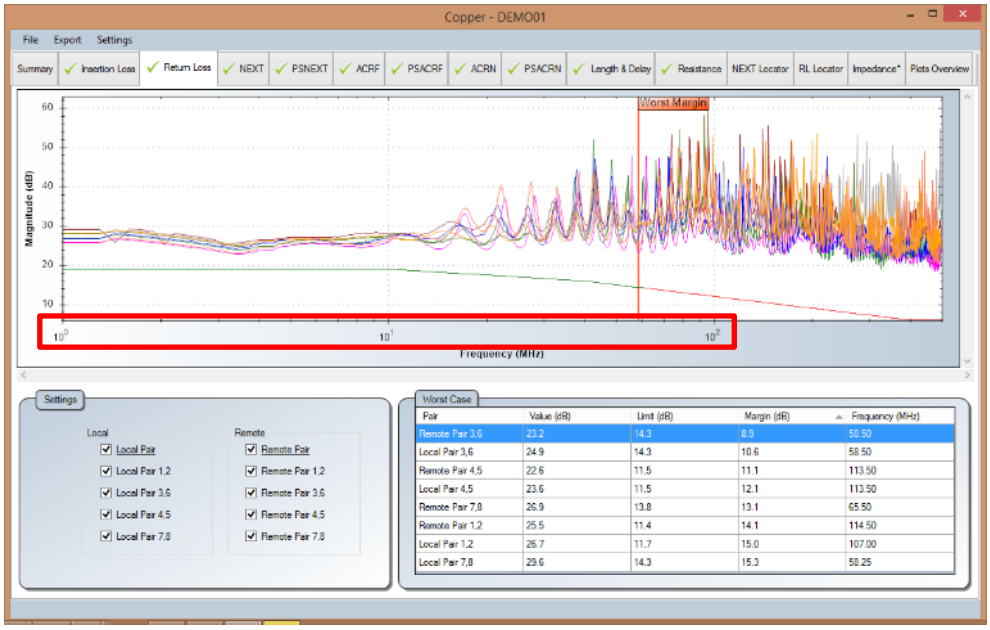
Linear & Logarithmic

1. Go to Settings > X Axis (Horizontal) Orientation

   > Linear – default



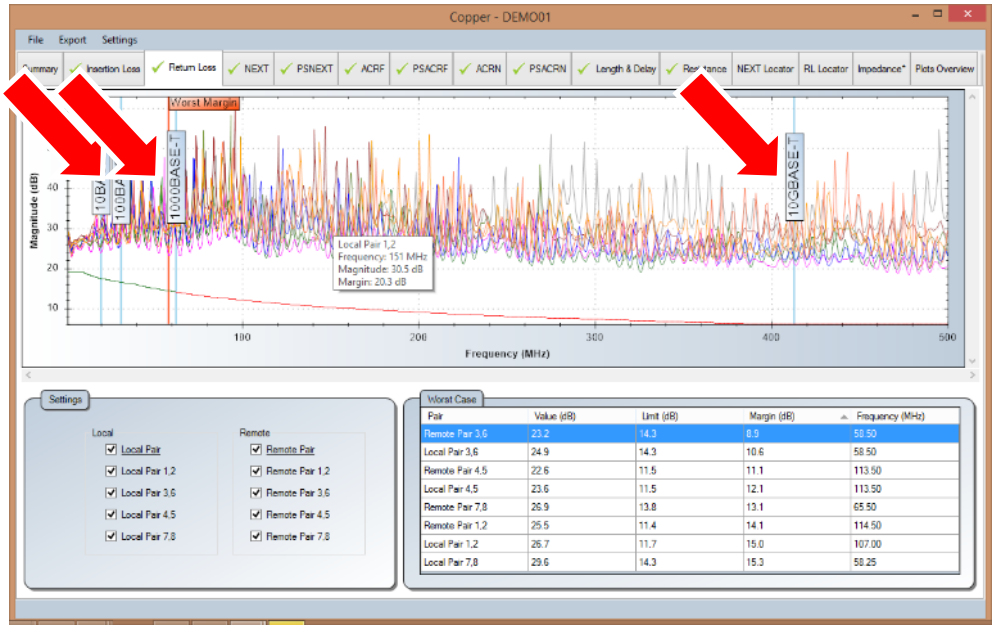
> Logarithmic



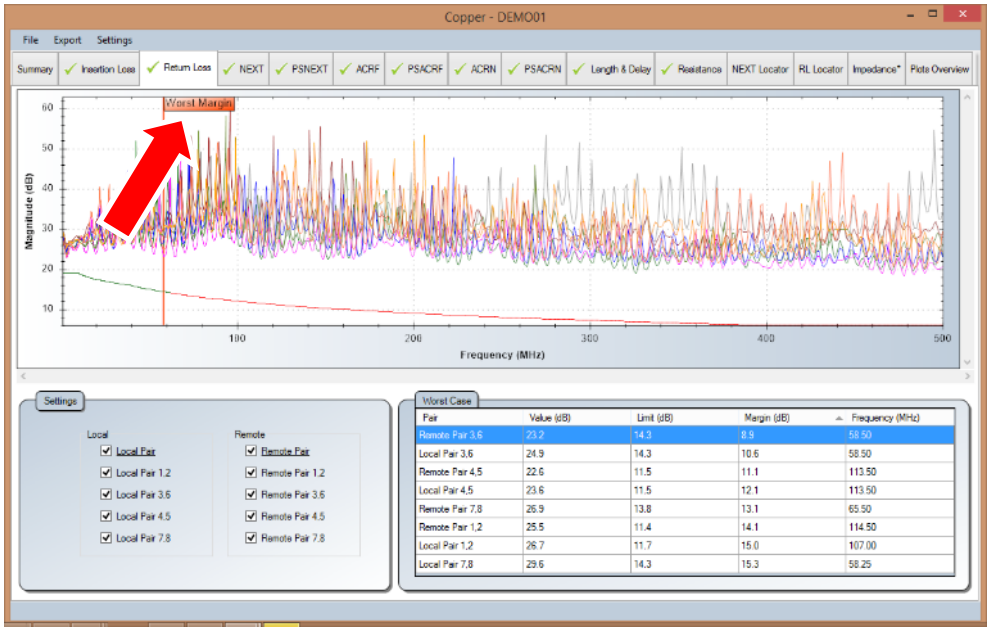
Markers

1. Go to Settings > Markers

   > Ethernet Standards – additional markers indicating frequencies of various Ethernet standards will be indicated for reference.

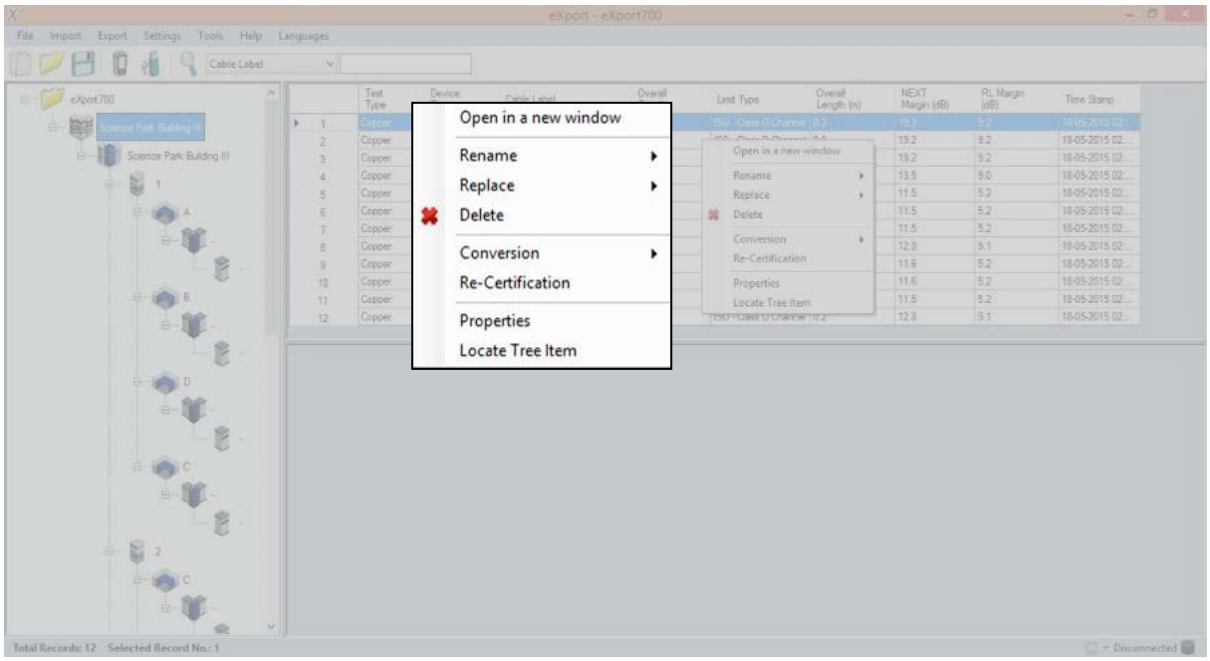


> Worst Markers – default



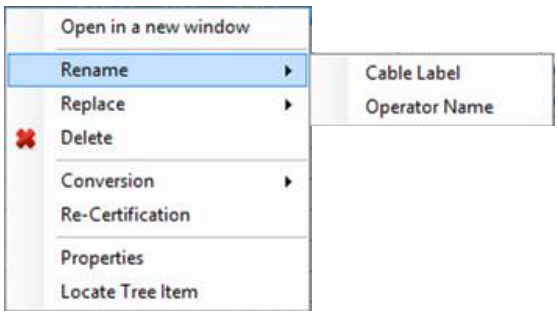
Editing Information

1. Right click at the results selection screen (right panel).



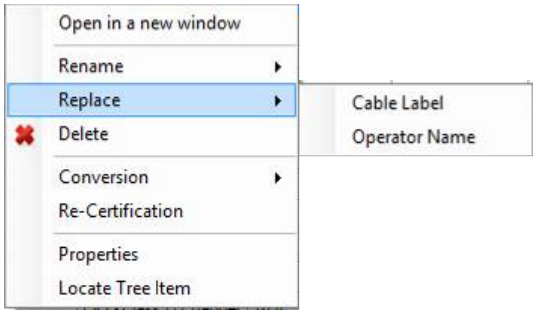
2. Go to Rename > Cable Label to rename the selected cable.

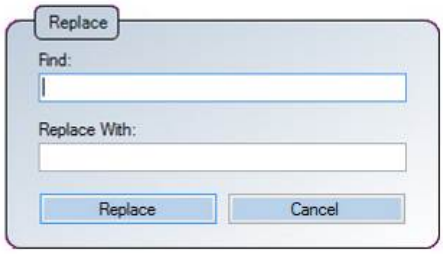
   Go to Rename > Operator Name to rename the selected operator.



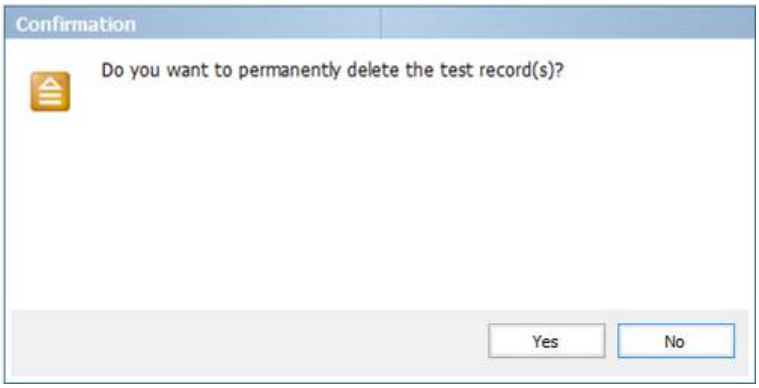
Go to Replace > Cable Label to find the label to be replaced on the selected result(s).

Go to Replace > Operator Name to find the name to be replaced on the selected result(s).

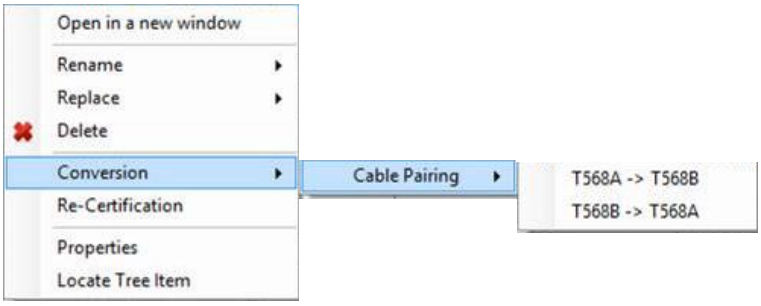




3. Go to Delete to permanently delete a test result. Click ‘Yes’ to proceed.

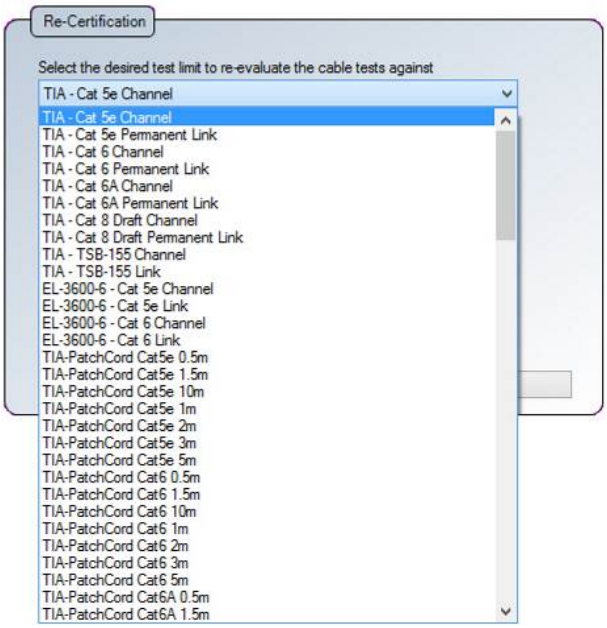


4. Go to Conversion > Cable Pairing to change between T568A to T568B cable pairing and T568B to T568A pairing. Default setting uses T568B cable pairing.

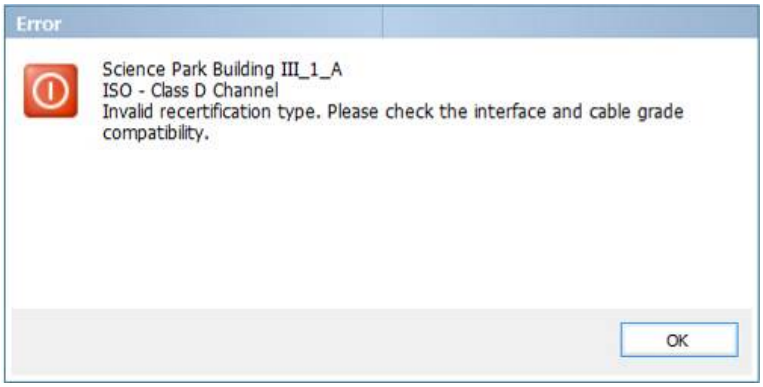


5. Go to Re-Certification to recertify the selected test result using another test limit.

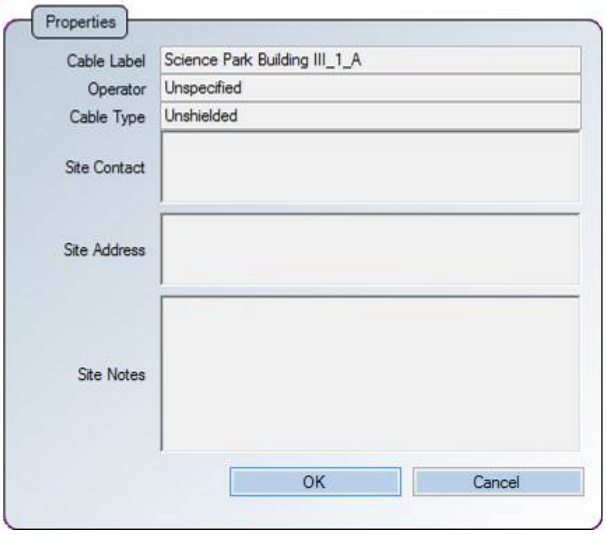
   Note: Backup *.PRX file before performing Re-certification as this process will overwrite existing test results.



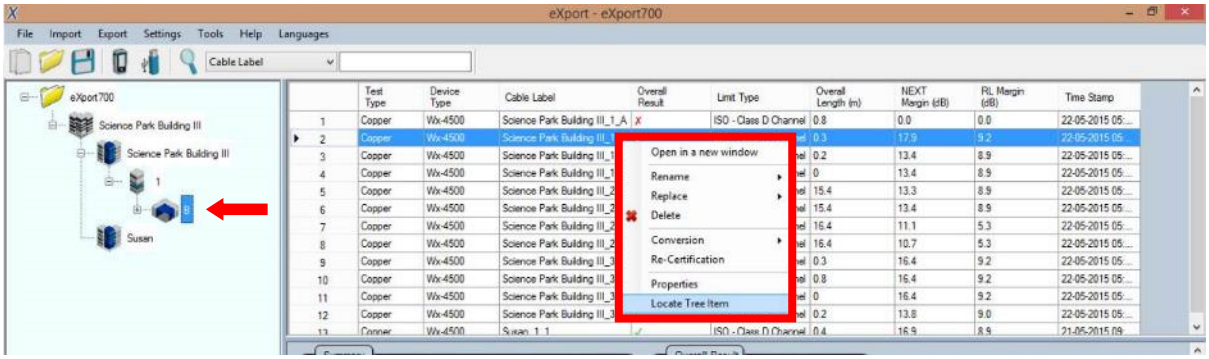
   Re-certification will fail if test condition is not met.



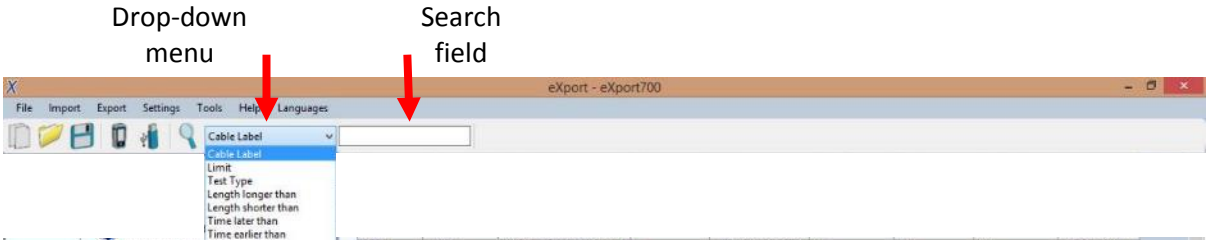
6. Go to Properties to view user editable information on the selected result.



7. Go to Locate Tree Item to find where the selected cable label is located within the project hierachy tree.



Searching for Information

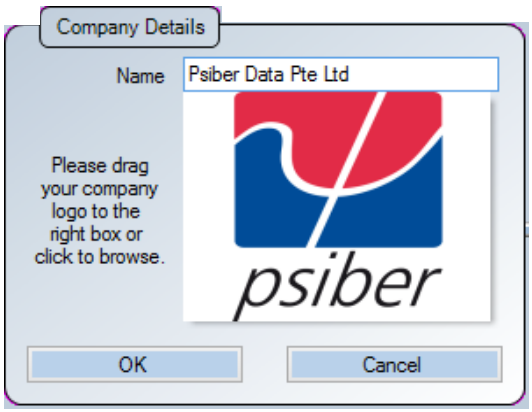


1. Select type of search from the drop-down menu and input search value in the search field or select from the additional search options.
2. Press ‘Enter’ or click the ‘Search’ icon on the left to begin search.

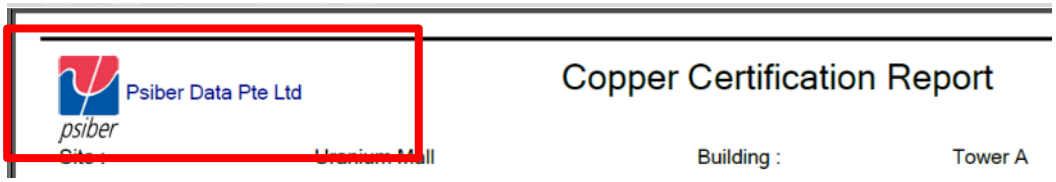
Chapter 4: Setting Preferences

Personalising the Test Results

1. Go to Settings > Company Details to personalise test results with your corporate logo and company name.
2. Enter Company name and click on the empty space to browse for image of the logo. Click 'OK' to save.

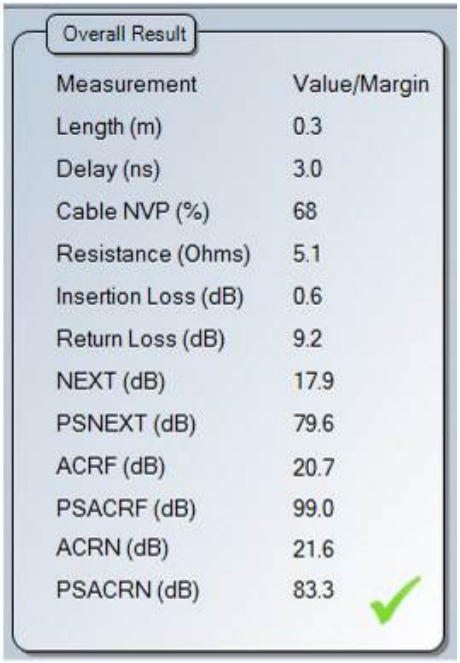


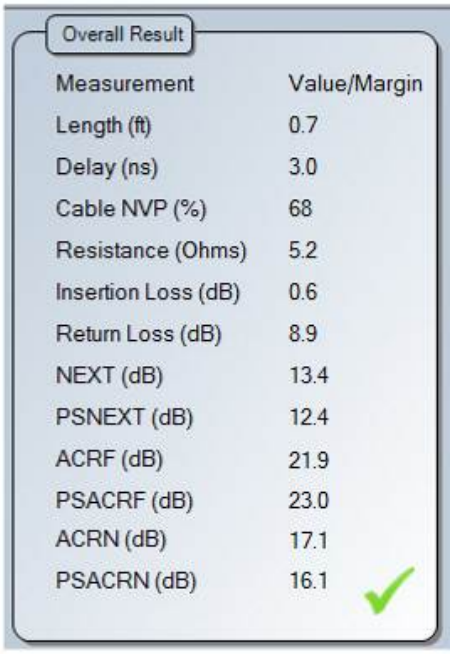
3. Your Company name and corporate logo will be displayed on the top left hand corner of the next result exported.



Choosing the Length Units

1. Go to Settings > Length Unit to choose length units to be displayed in Metres or Feet on the test results.

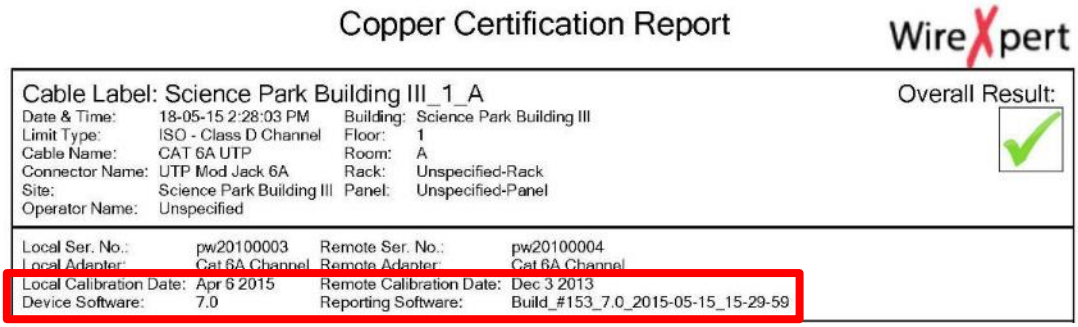




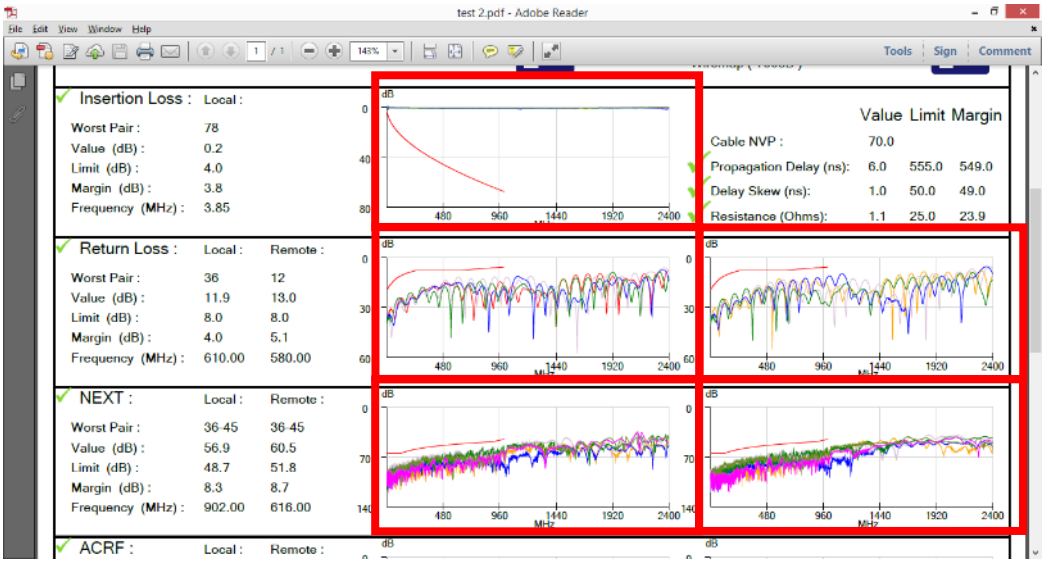
Choosing the Report Format

1. Go to Settings > Report Format to choose the format of the report.

   > Calibration Date (default) – last calibration date of WireXpert will be indicated on the report



   > Y-axis Inverted – all test results will generate charts with inverted Y-axis

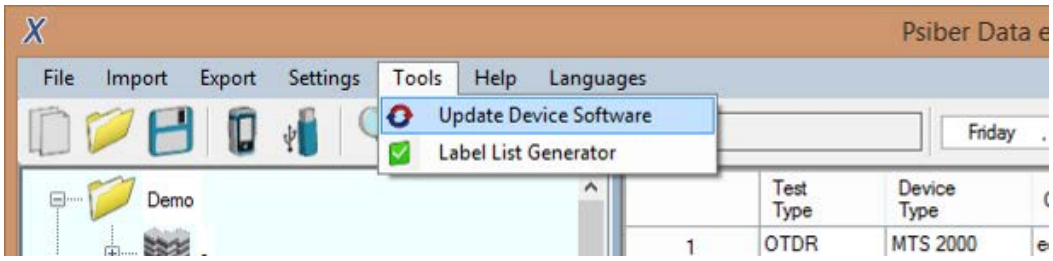


> Plots – selecting High Resolution will generate PDF report in the highest printable quality or Low Resolution for PDF reports in compressed file size.

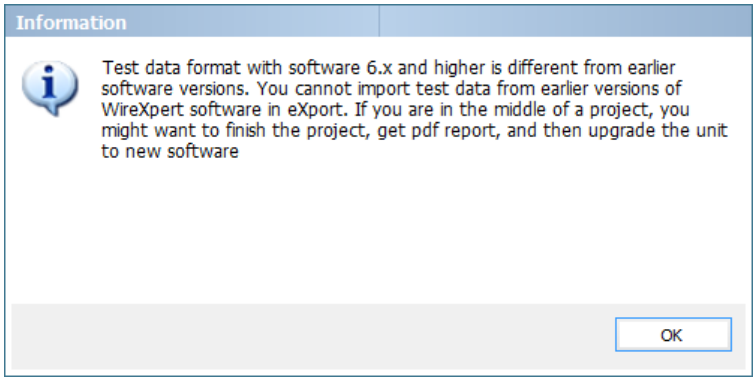
Chapter 5: Special Operations

Updating the Device Software

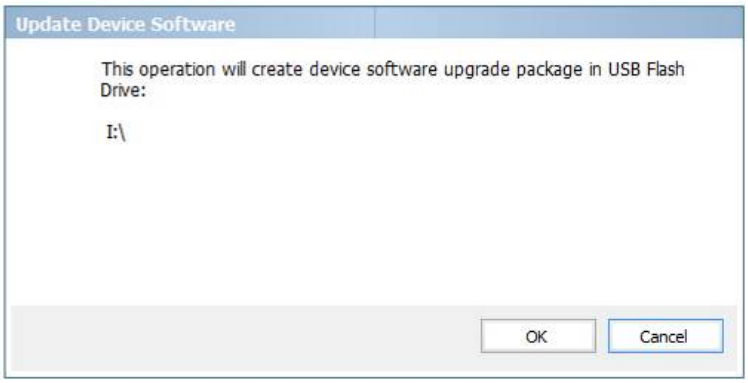
1. Go to Tools > Update Device Software



2. Please ensure an USB flash drive has been connected to your workstation before proceeding with update.
3. Click 'OK' after reading the warning message to proceed.

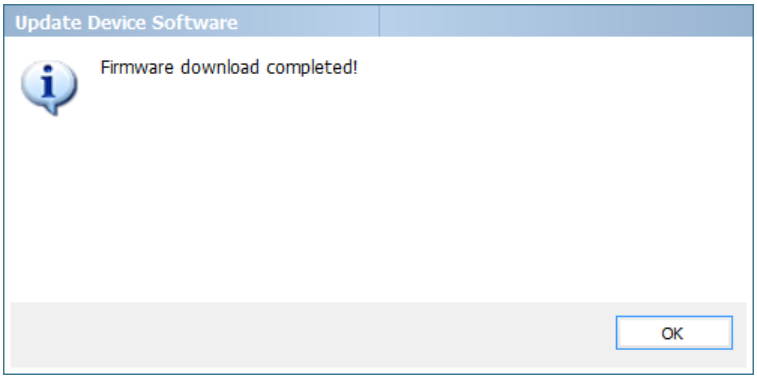


4. Select USB flash drive for firmware to be exported to and click ‘Export’ to proceed.

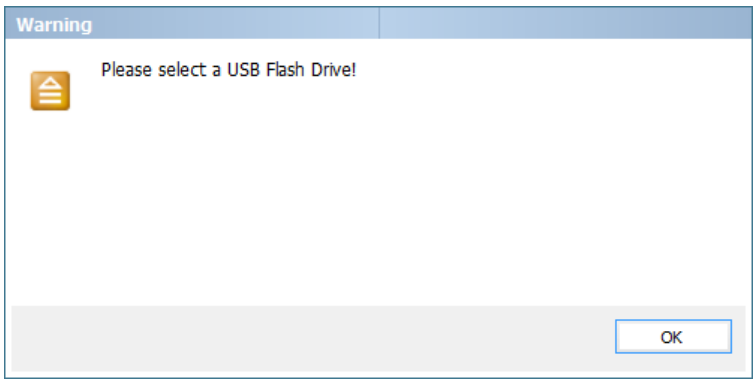


5. Status bar will indicate the “Processing” status during the upgrade.

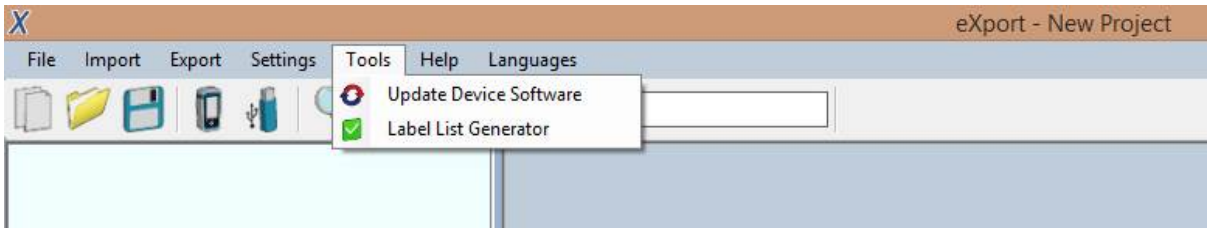
6. You will be informed when the upgrade is complete. Click ‘OK’ to proceed.



7. In the event the USB flash disk is not present, you will be reminded to insert one.



List-Based Testing - Hierarchy



Go to Tools > Label List Generator

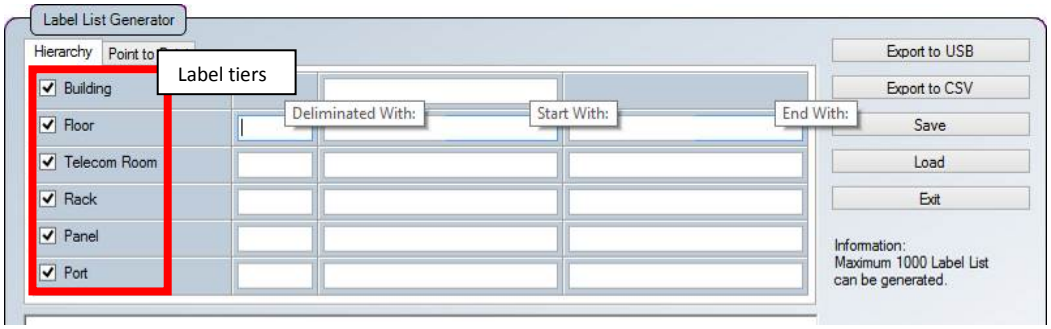
The Label List Generator generates cable labels in customisable hierarchical (building name-> floor-> telecom room-> rack-> panel-> port) order before conducting cable certifications, reducing effort from keying labels after every test. The pre-defined labels imported into the device will prevent duplicate testing when conducting in non-sequential orders.

Label Tiers provides hierarchical tiering of the labels. Uncheck tier if not applicable.

“Delimited with” is the text separator between each tier of labeling. Leave blank if not applicable. Alpha-numeric and ASCII characters can be used.

“Start with” is the first label of the tier. Only alpha-numeric characters can be used.

“End with” is the last label of the tier. eXport will increase the number of labels depending on the input. Only alpha-numeric characters can be used.

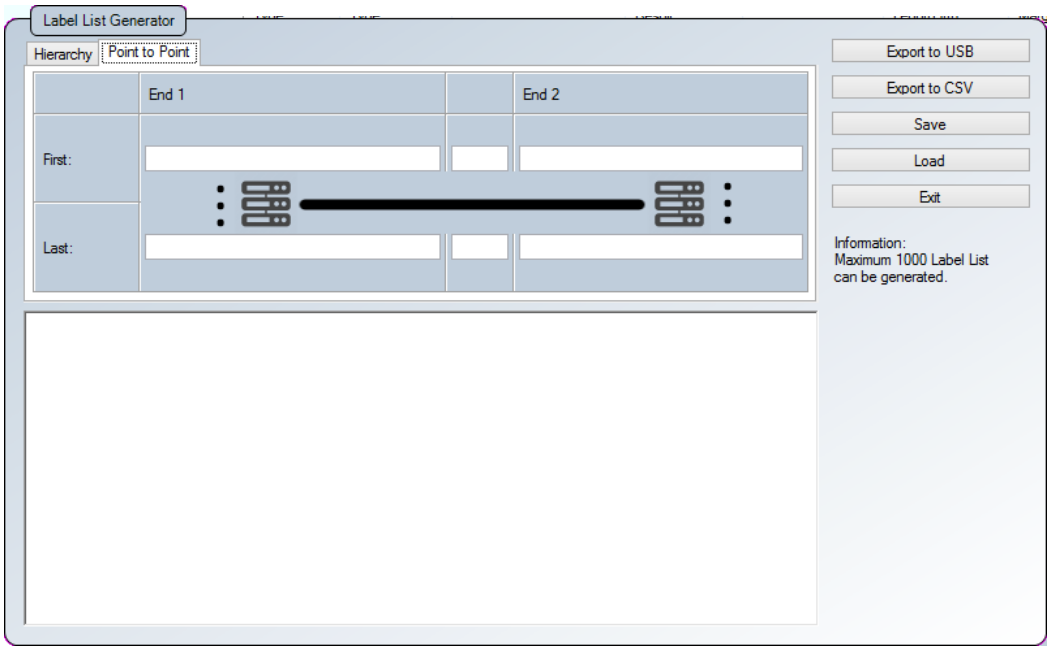


Example:

Start With	End With	Labels Generated
BuildingName-Floor_01	BuildingName-Floor_10	10
BldName-L01-RoomA	BldName-L01-RoomF	6 *Labels ending with alphabets will also be increased.*
BldName-#01-RoomA-A1	BldName-#02-Room-B5	20 *Labels generated:* *BldName-#01-Room-A1~A5* *BldName-#01-Room-B1~B5* *BldName-#02-Room-A1~A5* *BldName-#02-Room-B1~B5*

List-Based Testing – Point to Point

The Point-to-Point label generator creates labels for straight forward connections from Point A to Point B such as Backbone or connections terminations between two panels.

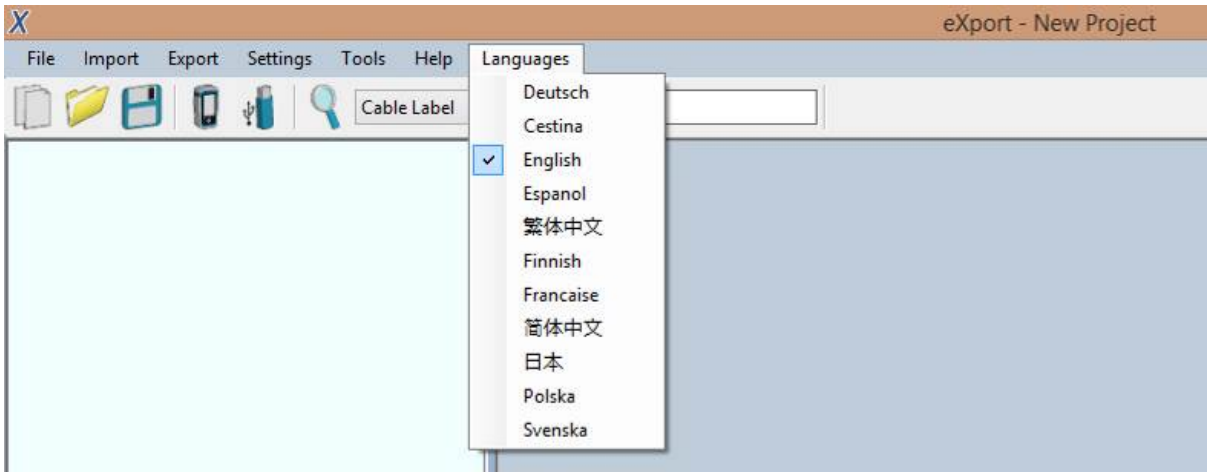


Chapter 6: Localisation

Selecting the Language

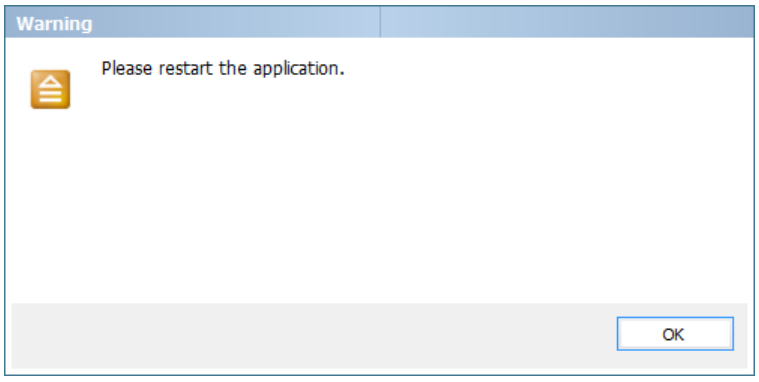
eXport has the following languages available – Deutsch, Finnish, Simplified & Traditional Chinese, Francaise to the default English.

1. Go to Languages and choose your preferred language.

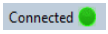


2. You will be prompted to restart eXport.

   Click 'OK' to restart.



Viewing the Device on your Workstation

1. After WireXpert is connected to your workstation, click the device icon  next to the  indication on the status bar.

2. Choose ‘Device Information’ to view the device’s serial number, software version and calibration date.

Choose ‘Remote Display’ to access the Local unit remotely via your workstation. Accessing this option will allow advanced functions such as screen capturing (image), action recording (video), screen magnifying (zoom), etc.

Technical Support

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