

# TREND AnyWARE

## QUICK REFERENCE GUIDE



**TREND**  
**AnyWARE**  
DESKTOP



**TREND**  
**AnyWARE**  
CLOUD



**TREND NETWORKS**

Depend On Us

# Introduction



The new TREND AnyWARE Cloud management system allows real time collaboration between Project Managers and Field Technicians. There is no need for Field Technicians to setup the LanTEK IV / IV-S, Project Managers pre-configure the jobs and tests in the TREND AnyWARE Cloud, eliminating potential mistakes and compressing the time taken to prepare reports for customers and warranties.



## Cloud software

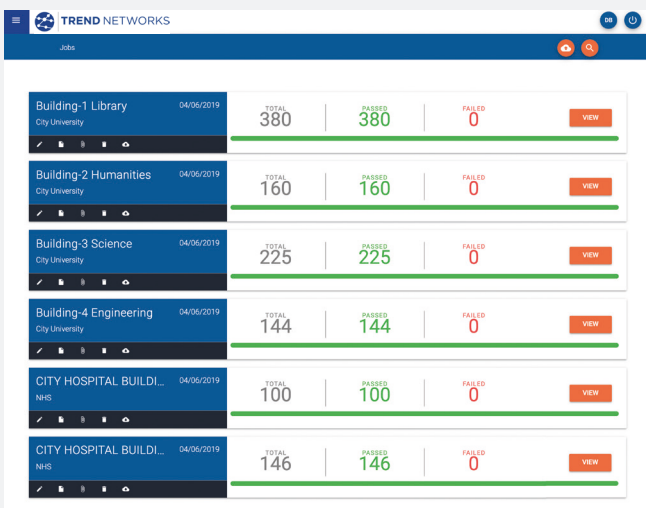
- **Operates anywhere with a web browser** – TREND AnyWARE Cloud operates on a PC, Mac and tablet devices (Android and iOS)
- **Free storage** – No need for separate servers or backup systems.
- **Easy to find project files** – Attach all project files including cable layout drawings, videos, and photos into the TREND AnyWARE Cloud. Everything you need in one place.
- **Share reports easier** – Use TREND AnyWARE Cloud to share links to the test reports eliminating the need to manually email large attachments.
- **Reduce training time with WalkMe** – TREND AnyWARE Cloud is embedded with the WalkMe digital adoption platform providing proactive, step-by-step guidance on all key tasks.

## Fleet management

- **Easily manage the certifier fleet** – Fleet manager allows you to see who has the certifier, when the software was last updated, calibration due date and when the results were last synced. Allowing you to manage tester downtime and ensuring results are transferred back to the office and not lost or deleted.

## Support

- **Reduce training time** – The TREND AnyWARE Cloud comes with proactive, step-by-step guidance for all the key features.
- **Team Viewer Live Support** – Using the TREND AnyWARE Cloud users can connect to a LanTEK IV / IV-S remotely to troubleshoot failed links, minimising troubleshooting time, increasing collaboration and reducing call-backs.



TREND AnyWARE Cloud Jobs screen



TREND AnyWARE Cloud Test Result screen



# Jobs

Jobs is the “Home” screen which appears when AnyWARE Cloud and Desktop are first opened. Click on the navigation panel and select Jobs to return to the Jobs screen from any other screen.

Jobs are virtual folders that contain test results. The Jobs list will be empty when creating new accounts. Jobs can be manually created in AnyWARE, and Jobs created in LanTEK IV / IV-S or LanTEK III are populated when test results are sync'd to AnyWARE. There are 4 options in the menu bar:

- Create job - create an empty job to which tests can be added for pre-configuration
- Import LanTEK tests: Desktop - import LanTEK IV / IV-S / III tests from USB flash drive. Cloud - import LanTEK III tests from USB flash drive
- Export jobs - create a ZIP file of the job for sharing
- Search - allows searching by Customer Name, Job Status and Job Date

Job Name	Date	TOTAL	PASSED	FAILED	VIEW
Amber Road Hotel	30/01/2020	512	512	0	VIEW
Brook Vale Data Center	13/02/2020	2	2	0	VIEW
Circle T3 Airport	10/02/2020	100	99	1	VIEW
Dear View Hotel	02/12/2019	24	24	0	VIEW

## Jobs

### Creating new jobs:

Click on the **+** button to create a new job. Enter a job name, choose a Device and Customer (see page 5 for how to set up a customer).

Click the next arrow at the bottom right and choose Identifiers if desired. There are pre-set identifiers to choose from and also a custom option that allows 5 sub-identifiers (Block, Panel, Patch Panel, Enclosure etc.)

Click submit and the Job will be added to the list showing zero tests.

Test Name	Date	Time	Imported on	Cable stand...	Cable Categ...	Link model	Length (m)	Headroom (...)	Cable Ty...
To create a test, press the plus button above									

**CREATE JOB**

**DETAILS** | **JOB IDENTIFIERS**

Job name \*

Job name

Device \*

Device Type

Job customer \*

Job customer

## Administration Settings

### User accounts:

#### AnyWARE Cloud

From a web browser go to [www.anyware.trend-networks.com](http://www.anyware.trend-networks.com) and click SIGN UP to create a free account.

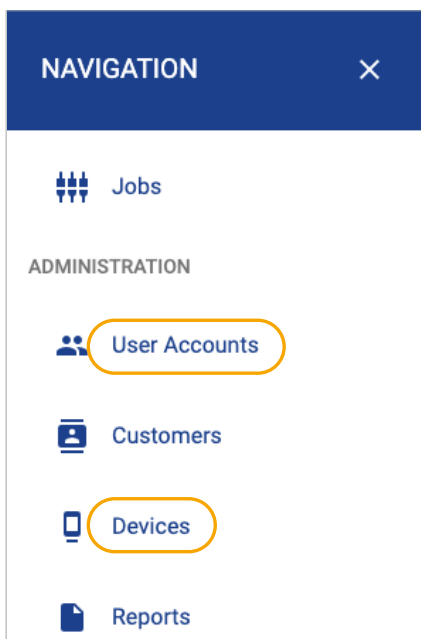
The account creator is the Administrator for the organisation and can add users with different permission levels.

From the AnyWARE login page, select 'Click Here' below the SIGN UP button to run the setup and install AnyWARE Desktop.

## Desktop Installation

## Navigation Menu

The Navigation menu icon is in the top left hand corner next to the TREND Networks logo.



Features	Admin	User
Create new customer	✓	
Customer List	✓	✓
Edit Customer	✓	
Delete Customer	✓	
Add User	✓	
Users List	✓	✓
Edit User	✓	
Delete User	✓	
Disable User	✓	
Add Job	✓	✓
Edit Job	✓	✓
Delete Job	✓	Empty Jobs Only
Job List	✓	✓
Add Test	✓	✓
Tests List	✓	✓
Edit Test	✓	✓
Move Test	✓	✓
Delete Test	✓	✓
Add Device	✓	✓
Devices List	✓	✓
Attach file	✓	✓

Name	Contact name	Contact Email	Action
Airport	Andy Smith	asmith@airport.com	JOBS
Bank	Steve Jones	sjones@bank.com	JOBS
Data Center	Bill Brown	billbrown@datacenter.com	JOBS
Hotel	Terry Gill	gill@hotel.com	JOBS
Supermarket	Amy Holmes	holmesa@supermarket.com	JOBS



## Administration Settings

### Customers:

Create the customers you work for in this section. You can upload their logo which will then display in the reports you create later.

Most file formats can be used (jpeg, png etc) and the logo will automatically be re-sized to fit. The Jobs button at the end of each customer line will display all of the jobs associated with that customer.

	Name	Contact First Name	Contact Last Name	Contact Email	Action
<input type="radio"/>	Braun	Jensen	Button	jensen@braun123.com	<a href="#">JOBS</a>
<input type="radio"/>	IDEAL Networks - Charlot...	Dan	Barrera	mrdbarrera@gmail.com	<a href="#">JOBS</a>
<input type="radio"/>	MCL Technologies	Lewis	Hamilton	lewis@MCL123.com	<a href="#">JOBS</a>
<input type="radio"/>	RB	Sebas	Vettel	sebas@RB123.net	<a href="#">JOBS</a>
<input type="radio"/>	Ren Communications	Daniel	Ricciardo	daniel@rencomm123.net	<a href="#">JOBS</a>

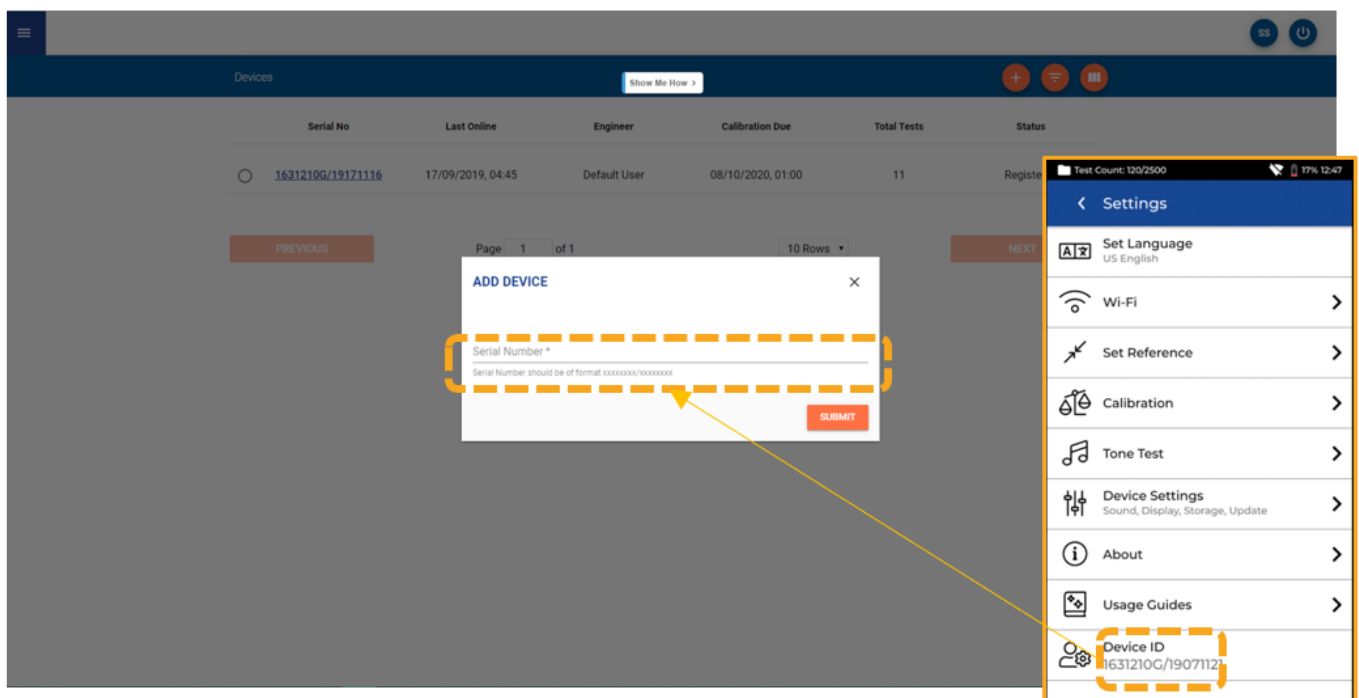
## Administration Settings

### Devices:

Displays list of devices associated with the TREND AnyWARE account.

Select Menu:  Click Devices:  Add Device: 

Serial #	Last Online	Technician	Calibration Due	Total Tests	Status
<input type="radio"/> <a href="#">1631210G/19310009</a>	05/26/2020, 02:28 AM	Default User	01/13/2021, 07:00 PM	778	Registered



The screenshot shows the TREND NETWORKS interface. At the top, there is a navigation bar with the TREND NETWORKS logo and a 'DB' button. Below this is a 'Devices' section with a table of device information. A modal window titled 'ADD DEVICE' is open, showing a 'Serial Number \*' field with a note: 'Serial Number should be of format xxxxxxxx/xxxxxxxx'. A yellow dashed box highlights this field. To the right, a 'Settings' menu is open, showing options like 'Set Language', 'Wi-Fi', 'Set Reference', 'Calibration', 'Tone Test', 'Device Settings', 'About', and 'Usage Guides'. The 'Device ID' is also visible at the bottom of the settings menu, with a yellow dashed box around it.

## Managing Test Results

### AnyWARE Desktop - Importing Test Results from USB:

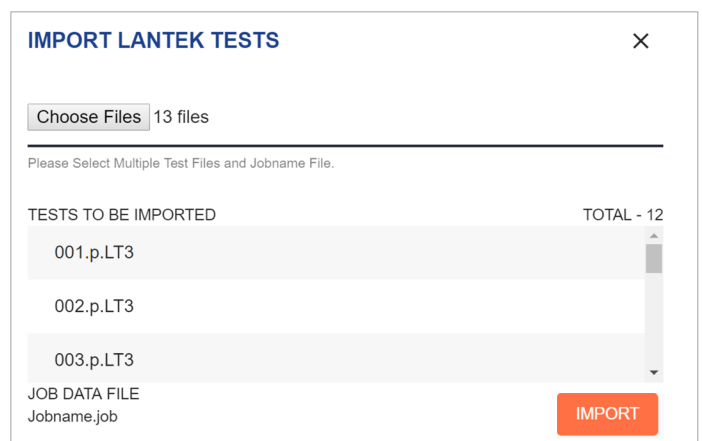
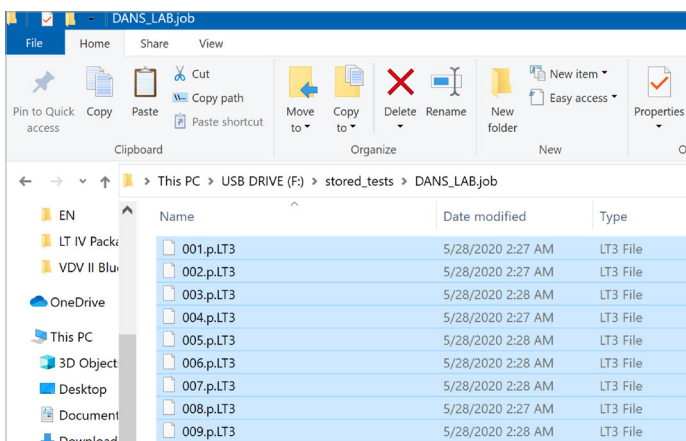
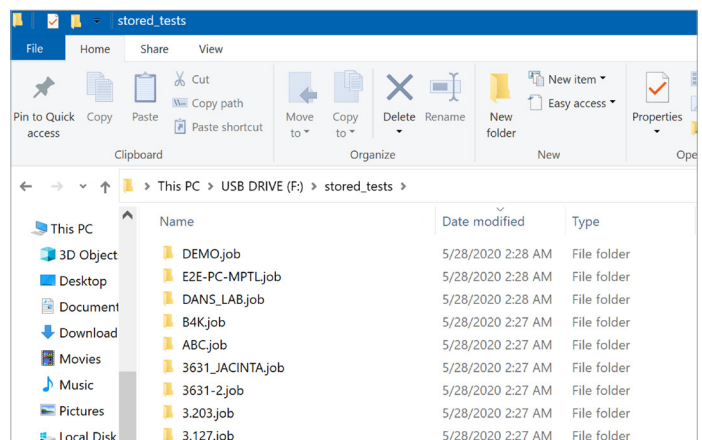
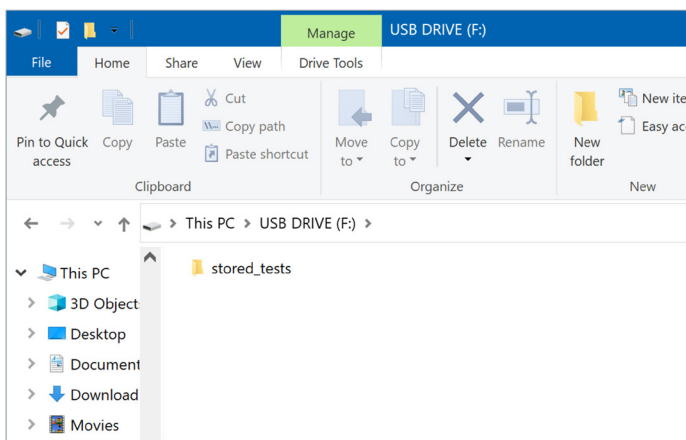
Importing test results from USB drives is supported by AnyWARE Desktop with LanTEK IV / IV-S / III testers. Copy desired jobs to a USB flash drive. With the Flash drive connected to the computer, select Import from the menu bar.



**LanTEK III** - Tests are organised by job folder when exported from the tester to a USB drive. The “Jobname” file provides the name of the job to AnyWARE.

- Click IMPORT LANTEK TESTS
- Navigate to the “stored tests” folder of the USB drive and open the desired job folder.
- Select desired test results (.lt3 files) and the “Jobname” file.
- Select the IMPORT button to import the tests.

If the “Jobname” file is not selected or the LanTEK III software is older than 3.210 the tests will go into a job named “Holding”. Any tests not associated with a job name will be stored in this folder.



Wait for Process Passed message before removing USB drive.

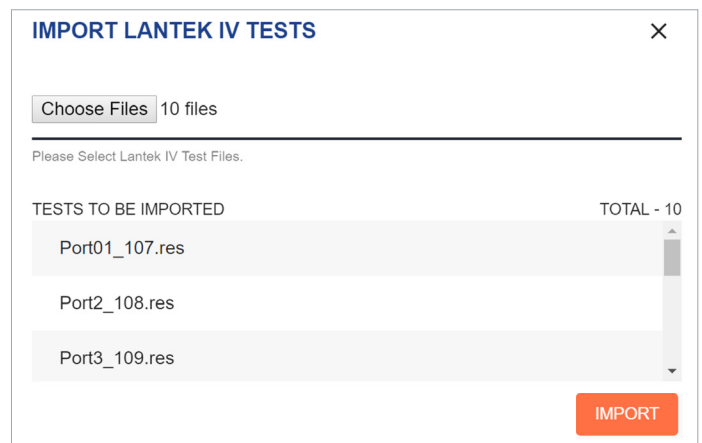
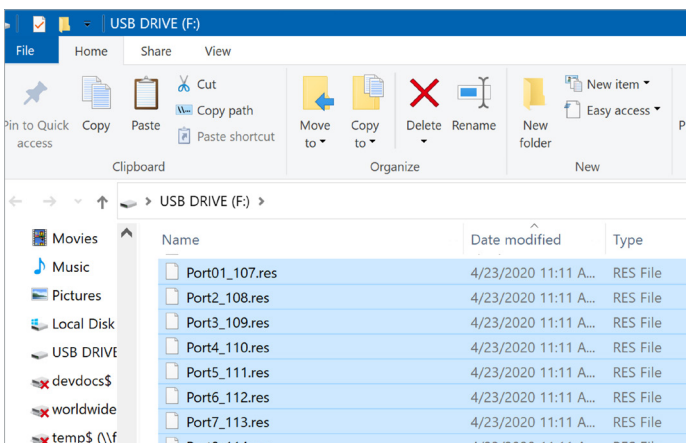


## Managing Test Results

### AnyWARE Desktop - Importing Test Results from USB:

**LanTEK IV / IV-S** - tests are exported to the root of the USB drive, regardless of the job name in the tester. The name of the job is embedded in the test file and AnyWARE reads the file to place tests in the correct job folder.

- Click IMPORT LANTEK IV / IV-S TESTS
- Navigate to the USB drive.
- Select the desired results (.res files).
- Select the IMPORT button to import the tests.



Wait for Process Passed message before removing USB drive.



## Managing Test Results

### Importing archived test results:

LanTEK IV / IV-S jobs can be archived and compressed into a single zip file. The zip file can be emailed and uploaded into AnyWARE Desktop or Cloud or uploaded to cable web portals for warranty approval programs.

Click IMPORT LANTEK IV / IV-S JOB and navigate to the zip file for import.



## Managing Test Results

### AnyWARE Cloud - Importing Test Results from USB:

Importing test results from USB drives is supported by AnyWARE Cloud with LanTEK III testers only. Copy desired jobs to a USB flash drive.

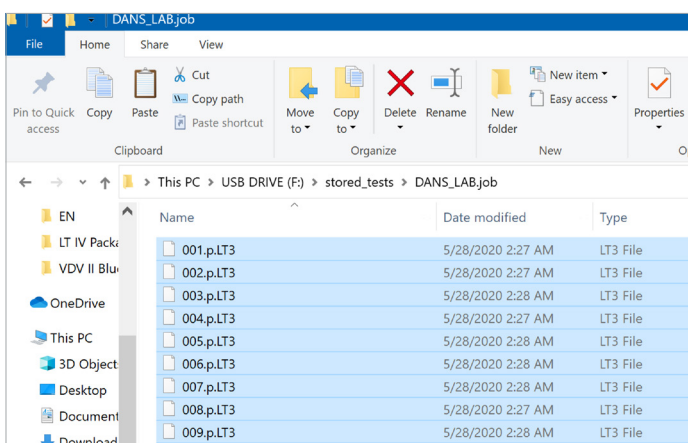
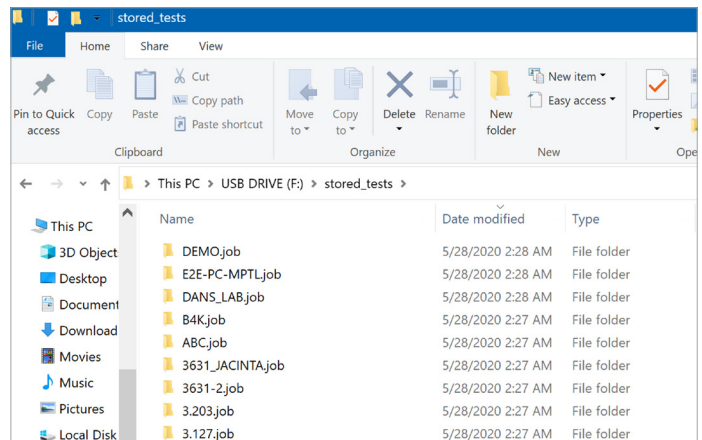
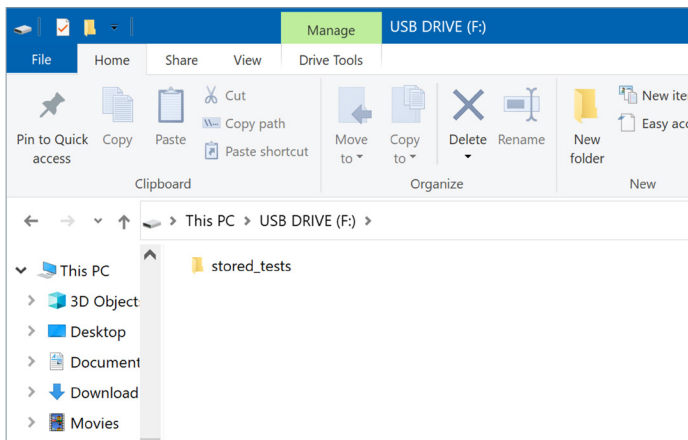
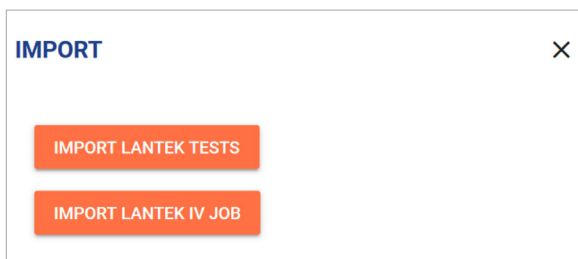
Log into AnyWARE Cloud and connect the USB flash drive to the computer, select Import from the menu bar.



**LanTEK III** - Tests are organised by job folder when exported from the tester to a USB drive. The "Jobname" file provides the name of the job to AnyWARE.

- Click IMPORT LANTEK TESTS
- Navigate to the "stored tests" folder of the USB drive and open the desired job folder.
- Select desired test results (.lt3 files) and the "Jobname" file.
- Select the IMPORT button to import the tests.

If the "Jobname" file is not selected or the LanTEK III software is older than 3.210 the tests will go into a job named "Holding". Any tests not associated with a job name will be stored in this folder.



Wait for the tests processing message before removing USB drive.

Test results are being processed and will be available in a few minutes, You will receive an email when results are ready.

## Managing Test Results

### Syncing LanTEK IV / IV-S to AnyWARE Cloud:

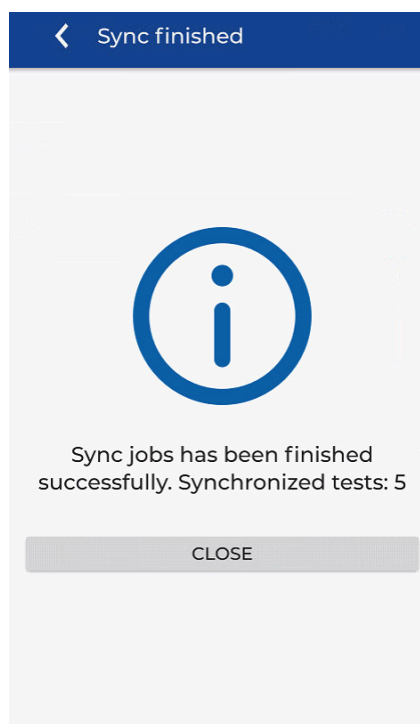
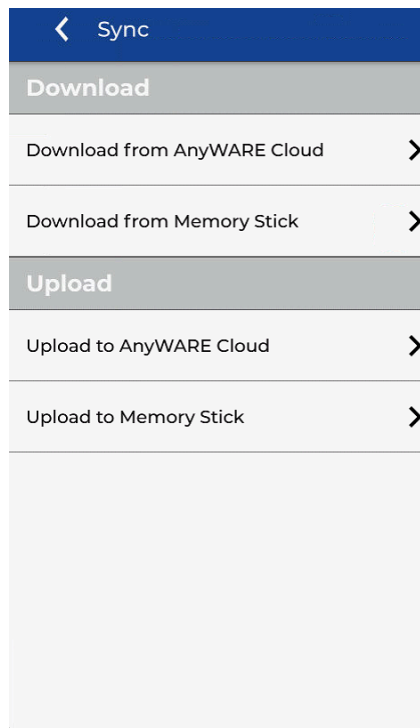
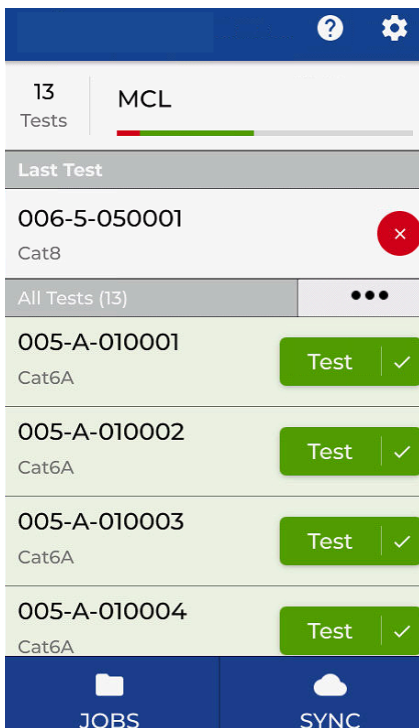
**LanTEK IV / IV-S** - test results can be up uploaded from LanTEK IV / IV-S to AnyWARE Cloud when a Wi-Fi connection is available. All jobs on the LanTEK IV / IV-S are sync'd to the AnyWARE Cloud account that is associated with the LanTEK IV / IV-S.

Touch SYNC. from the home screen.

If not already on, Wi-Fi will turn on and connect to a known network. A list of Wi-Fi networks will be displayed if no known network is available.

Touch upload to AnyWARE Cloud

Touch CLOSE when the upload is complete



## Managing Test Results

### Job list:

	MCL MCL Technologies	05/04/2020	TOTAL 250	PASSED 248	FAILED 2	VIEW
	RBR RB	05/04/2020	TOTAL 250	PASSED 248	FAILED 2	VIEW
Job name	SCU	04/27/2020	TOTAL 25	PASSED 24	FAILED 1	VIEW
Customer name	Braun					

Edit job  
 Create report of all tests in job  
 Delete job  
 Attach files (photos, documents, etc.) to job  
 Create csv file of all test ID's to print labels  
 Generate archive ZIP file of the job  
 Download ZIP archive  
 Sync switch - allows job to Sync when ON, prevents Sync when OFF

## Managing Test Results

### Icon key:



Refresh



Re-certify selected test(s)



Create report



Add tests to job



Move selected test(s)



Filter



Edit selected test(s)



Delete selected test(s)



Choose display columns



# Managing Test Results

## Viewing tests:

Click on a Test Name to view the test result summary page. By default, 5 rows of data are displayed to support mobile devices. This can be adjusted to 10, 15, 20, 25, 50 or 100 rows on each page.

The screenshot shows the Trend Networks interface for a test named 'B01-A'. The summary bar indicates: TOTAL 25, PASSED 24, FAILED 1, and Selected 0. Below this is a table with columns: Test Name, Time, Cable standard, Test Limit LTV, Length (m), and Headroom (dB). The table lists five test entries, all with green checkmarks indicating they passed. At the bottom, there are navigation buttons for 'PREVIOUS', 'Page 1 of 5', '5 Rows', and 'NEXT'.

### Select Columns

Choose Columns

Add or remove table columns by selecting from the list below.

- Test Name
- Date
- + Imported on
- Cable standard
- Test Limit LTV
- Link model
- Length (m)
- Headroom (dB)
- + NEXT Margin (dB)
- + Return Loss Margin (dB)
- + Insertion Loss Margin (dB)
- + DC Resistance (ohms)
- + Engineer
- + Tester
- + User Notes
- Cable Type
- + Organisation
- + Customer

## Test result summary

Result tiles in green indicates a PASS result, red indicates a FAIL result and grey indicates optional tests that are not required by the test standard.

The screenshot shows a detailed test result summary for '1.0g NC 700/02/5007'. The overall result is 'PASS' for 'Test 7 of 512'. The interface includes metadata such as 'Engineer: Default User', 'Device: LanTEK IV 500 0 19440023/19440029', 'Test standard: CENELEC EN50173-1', 'Link Model: PL', and 'Cable Type: TwistedPairCable'. The main content area is a grid of result tiles:
 

- Wiremap:** Shows a visual representation of the cable pairs.
- Length:** Table with pairs (1,2, 3,6, 4,5, 7,8) and values (33.38, 33.81, 33.65, 33.23 meters). Limit is < 100.00 meters.
- HeadRoom:** Table with pairs (1,2-3,6) and value (40.80 dB).
- Delay Skew:** Table with pairs (1,2, 3,6, 4,5, 7,8) and values (0.00, 2.00, 1.00, 0.00 ns). Limit is < 43.00 ns.
- Propagation Delay:** Table with pairs (1,2, 3,6, 4,5, 7,8) and values (142.00, 144.00, 143.00, 142.00 ns). Limit is < 496.00 ns.
- Resistance:** Table with pairs (1,2, 3,6, 4,5, 7,8) and values (5.44, 5.51, 5.57, 4.06 ohms). Limit is < 17.90 ohms.
- Resistance Unbalance:** Table with Intra-Pair (7,8) and Pair-Pair (4,5-7,8) values (0.20, 1.33, 0.20, 0.49).
- Impedance:** Empty tile.

 Tiles for Length, HeadRoom, Propagation Delay, and Resistance are green (PASS). Wiremap, Delay Skew, and Resistance Unbalance are grey (optional). Impedance is grey (not required).

## Detailed test view

Click on the drop-down menu to view a specific sub-test type, i.e. Return Loss.

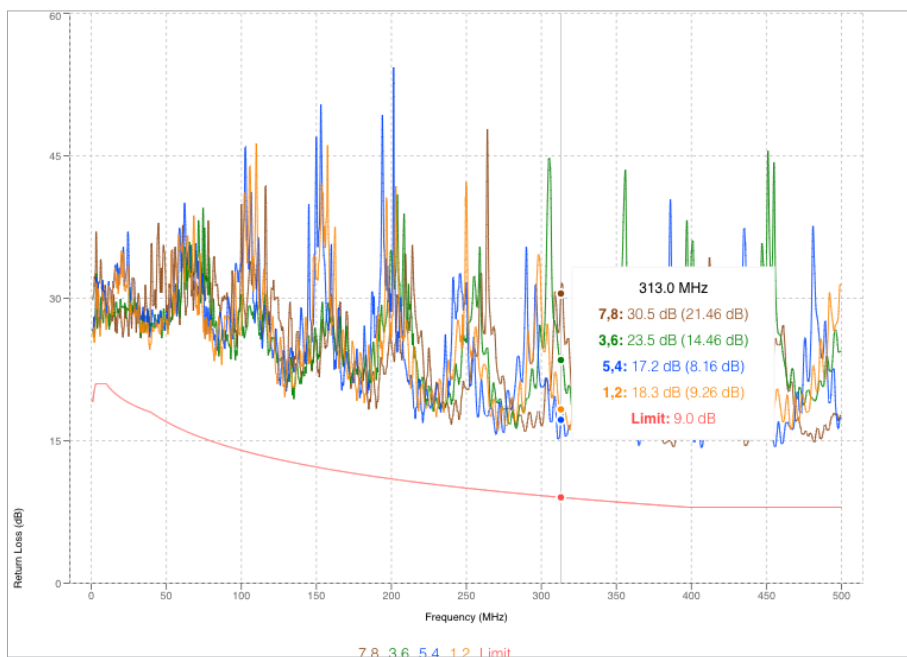
The up/down arrows on the top left hand corner will cycle through tests in the current job while showing the currently selected sub-test. Select all pairs, or individual sets of pairs.

Enter full screen view by clicking on the full screen icon.



Choose which chart settings you prefer.

Place the cursor on the graph to view details at the selected frequency points. The margin value is displayed in brackets if selected in Chart Settings.



## Report creation

Select tests to include in report by using the tick box above the black bar to choose all tests in the job or use tick boxes beside individual tests to include only those in the report. Select the “Create Report” icon in the menu bar (3rd from the right) to generate a report using the selected tests.

SCU Braun 04/27/2020

TOTAL 25 PASSED 24 FAILED 1 Selected 5

<input checked="" type="checkbox"/>	Test Name	Cable standard	Test Limit LTIV	Length (m)	Headroom (dB)	Cable Type
<input checked="" type="checkbox"/>	<a href="#">B10-EV03 HE15/17</a>	ISO/IEC 11801-1:2017 A1/2	Class EA MAX PL1 PL2 CP1	63.31	5.10	TwistedPairCable
<input checked="" type="checkbox"/>	<a href="#">B10-EV03 HE15/18</a>	ISO/IEC 11801-1:2017 A1/2	Class EA MAX PL1 PL2 CP1	63.31	5.10	TwistedPairCable
<input checked="" type="checkbox"/>	<a href="#">B10-EV03 HE15/21</a>	ISO/IEC 11801-1:2017 A1/2	Class EA MAX PL1 PL2 CP1	51.88	8.30	TwistedPairCable
<input checked="" type="checkbox"/>	<a href="#">B10-EV03 HE15/22</a>	ISO/IEC 11801-1:2017 A1/2	Class EA MAX PL1 PL2 CP1	51.66	5.80	TwistedPairCable
<input checked="" type="checkbox"/>	<a href="#">B10-EV03 HE16/12</a>	ISO/IEC 11801-1:2017 A1/2	Class EA MAX PL1 PL2 CP1	29.24	7.70	TwistedPairCable

PREVIOUS Page 1 of 5 5 Rows NEXT

Fill in the 3 sections: Report details, Customer details and Report options. Click “Generate”.

**CREATE A REPORT**

REPORT DETAILS CUSTOMER DETAILS REPORT OPTIONS

Report Name\*  
SCU

Please Enter Report Name

Report Type\*  
Brief Report

Please Select Report Type

Job Name  
SCU

Report Tests  
5 Tests Selected

**CREATE A REPORT**

REPORT DETAILS CUSTOMER DETAILS REPORT OPTIONS

Customer\*  
Braun

Select a Customer

Street

City

State / County

Country  
USA

CONTINUE

**CREATE A REPORT**

REPORT DETAILS CUSTOMER DETAILS REPORT OPTIONS

Language\*  
en-GB

Please Select Language

Include Summary Page

Include Summary Table

Display Length

Print Info Only results for TCL & ELTCTL (Page 2)

Job Notes  
Job complete.

Please Enter Job Notes ( Maximum 1500 Characters Allowed )

GENERATE



## Report creation (continued)

The Report screen shows all reports that are stored on the Cloud server. When they are ready to be downloaded the status will show as completed and the little cloud symbol will appear in the next column. You can filter by name, type and status.

When a report is selected the envelope icon will appear in the menu bar. Clicking on the envelope button will open an email address prompt. The cloud server will email a download link when the report is ready. Note: Link will expire after 24 hours.

Click on the filter button to open the search bar. All reports will be searched for the phrase entered in the search bar. Reports with matching criteria will be listed.


Go into the Navigation Pane under Reports. While the report is being generated the Status will show "In Progress".

	Name	Type	Status		Total Tests	File Size	Created At
<input type="radio"/>	SCU	Brief	Completed		5	2055KB	05/28/2020, 09:09 AM
<input type="radio"/>	Report Gen Time 5:52	Brief	Completed		25	11143KB	05/12/2020, 05:52 AM
<input type="radio"/>	130 Single Line	Single Line	Completed		5	112KB	04/20/2020, 03:10 PM
<input type="radio"/>	130-568B	Brief	Completed		1	345KB	04/17/2020, 03:59 PM
<input type="radio"/>	130B Fiber	Brief	Completed		1	688KB	04/17/2020, 03:52 PM


PREVIOUS Page 1 of 8 5 Rows NEXT

# Report creation (continued)

Clicking on the cloud icon will initiate a PDF download of the report in a new browser tab. Use the download function of the browser to download a copy to your PC/device.



**TREND AnyWARE® Cloud  
Certification Report**



---

**Test ID:** Port - 15  
Date/Time: 07/01/2021 02:41 PM  
Project Name: Site 07  
Customer Name: Dan Barrera  
Operator: Dan

**Test Standard:** ANSI/TIA-568.2-D-2018  
Test Limit: Permanent Link/Cat6  
Cable Brand/Model: Generic/Cat6-UTP  
Cable Type/Shield: Cat6/UTP  
Cable NVP: 74 %  
Main Connector: Generic  
Remote Connector: Generic

**Tester Model:** LanTEK IV 3000  
Main Handset S/N: 19310009  
S/W: 1.92  
Calibration Date: 10/22/2019  
Cat 8.1 PL : S/N 19340009  
Remote Handset S/N: 19170005  
S/W: 1.92  
Calibration Date: 10/22/2019  
S/N 19340020



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**Low Frequency Tests**

Test	Pair	Limit	Result
Length	36	90 m	19.81 m ✓
Delay	45	498 ns	90 ns ✓
Skew	45	44 ns	1 ns ✓
Impedance	n/a	n/a	n/a
Loop Res	36	21 Ω	2.27 Ω
DCRU			
Intra-pair	12	0.20 Ω	0.07 Ω
P2P	12-36	0.20 Ω	0.02 Ω

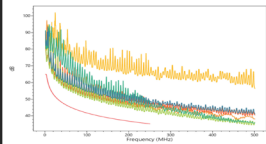
**Headroom Summary**

Margin (dB)	MHz	Pair	Side
6.80	3.55	12-45	Remote
6.80	237	45	Main
9.50	81.50	78	Main
2.60	2.65	12	--
n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a

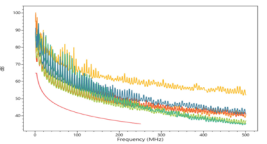
---

**Main Handset**



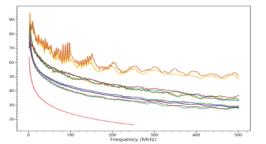
Margin	Value
NEXT	6.80 dB
Pair	36-45
Limit	35.73 dB
Freq.	236.50 MHz

**Remote Handset**



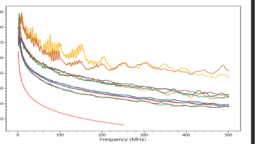
Margin	Value
NEXT	6.80 dB
Pair	12-45
Limit	64.89 dB
Freq.	3.55 MHz

**Main Handset**



Margin	Value
ACR-F	15.10 dB
Pair	36-78
Limit	20.99 dB
Freq.	144.50 MHz

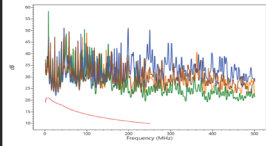
**Remote Handset**



Margin	Value
ACR-F	3.60 dB
Pair	45-78
Limit	64.19 dB
Freq.	1 MHz

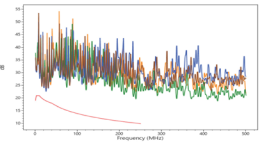
---

**Main Handset**



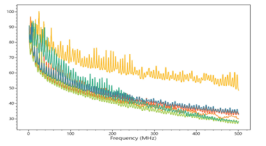
Margin	Value
PSNEXT	6.80 dB
Pair	45
Limit	33.09 dB
Freq.	237 MHz

**Remote Handset**



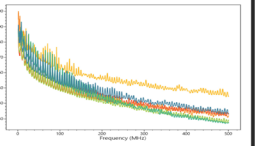
Margin	Value
PSNEXT	7 dB
Pair	36
Limit	32.78 dB
Freq.	247.50 MHz

**Main Handset**



Margin	Value
PSACR-F	5.80 dB
Pair	45
Limit	61.19 dB
Freq.	1 MHz


**Remote Handset**



Margin	Value
PSACR-F	4.50 dB
Pair	78
Limit	61.19 dB
Freq.	1 MHz

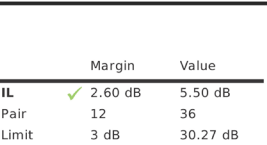
---

**Main Handset**



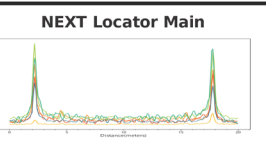
Margin	Value
RL	9.50 dB
Pair	36
Limit	10.23 dB
Freq.	238.50 MHz

**Remote Handset**



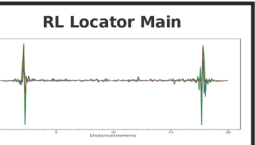
Margin	Value
RL	9.50 dB
Pair	36
Limit	10.23 dB
Freq.	238.50 MHz

**Main Handset**




Margin	Value
ACR-N	n/a
Pair	12-36
Limit	n/a
Freq.	n/a

**Remote Handset**




Margin	Value
ACR-N	n/a
Pair	12-36
Limit	n/a
Freq.	n/a

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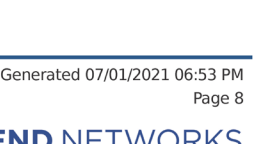


Margin	Value
IL	2.60 dB
Pair	12
Limit	3 dB
Freq.	2.65 MHz

**NEXT Locator Main**




**RL Locator Main**



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**Supported Applications:**  
Ethernet 10BASE-T, ADSL, VDSL, Analog Phone, ATM 25.6, ATM 51.84, ISDN BRI, ISDN PRI, Ethernet 100BASE-TX, Ethernet 1000BASE-T, Ethernet 1000BASE-TX, PoE IEEE 802.3af/at/bt, HDBaseT 1080P, VOIP, ATM 155.52, NBASE-T 2.5G, NBASE-T 5G, HDBaseT 2k, HDBaseT 4k, ATM 1.2G

Report Generated 07/01/2021 06:53 PM  
Page 8



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