

VIAVI TPA with the Smart Pocket OLP-3xV2

VIAVI TPA™ (Test Process Automation) is integral to VIAVI DNA – each field instrument and system is designed to optimize technician workflows. The goal is to enable novice technicians to deliver expert-level test results and close projects on the first try, every time. The VIAVI Test Process Automation initiative is to help our customers transform their workflow with a new process. This application note will walk you through the VIAVI TPA process with your OLP-3xV2.

For this demonstration, we will perform an Optical Power Test with the OLP-35V2 and upload the results to the VIAVI StrataSync™ cloud using the Mobile Tech App.

Requirements

- OLP-3xV2
- Smartphone
- Mobile Tech App version 5.1.1 or higher
- VIAVI StrataSync account
- VIAVI StrataSync license* (PRO, Analytics, or Enterprise)



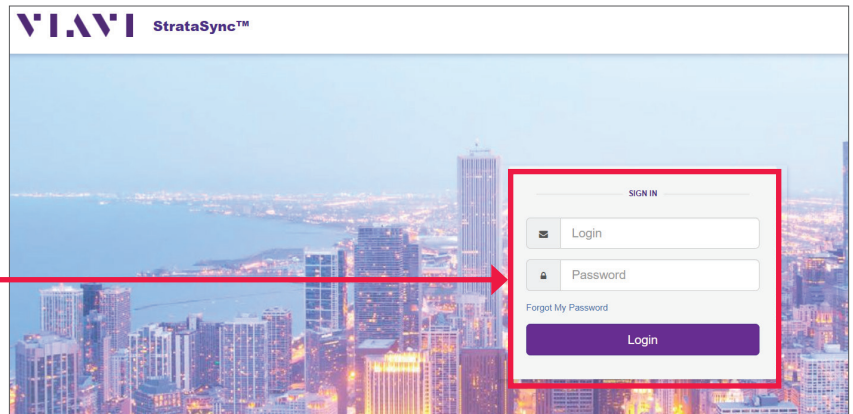
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* Please contact your VIAVI Sales Representative to purchase a VIAVI StrataSync license or to request a demo of this solution.

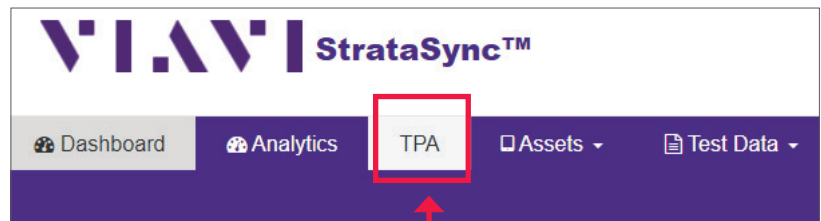
Creating a Job Template in StrataSync

1. Visit stratasync.viavisolutions.com and enter your login credentials.

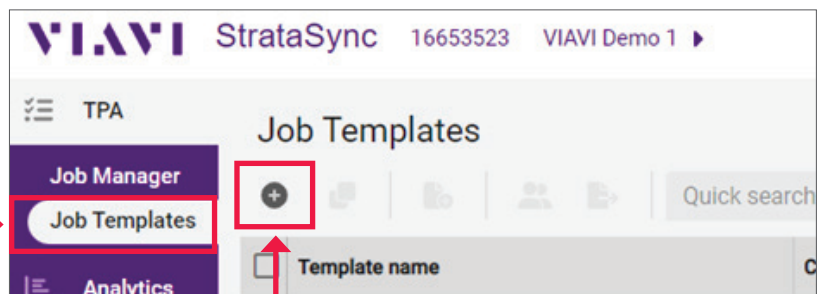


→ VIAVI TPA must be enabled within your organization's StrataSync account for these capabilities to be visible.

2. Once logged in, click "TPA" at the top.



3. Click "Job Templates" on the left.




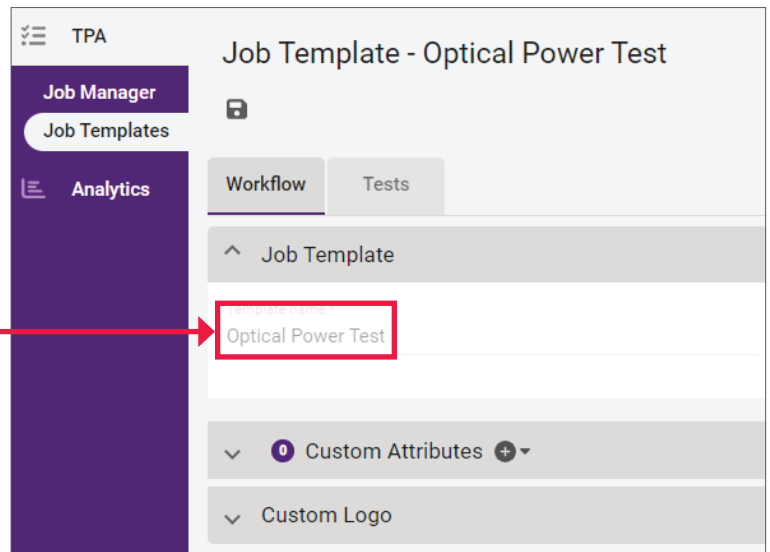
4. To add a new template, click the "+" icon.



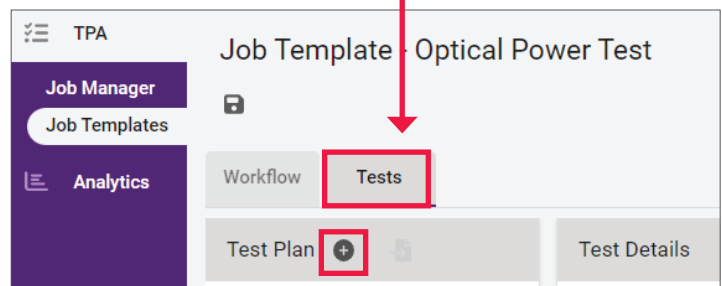
Creating a Job Template in StrataSync (continued)

5. Under **Workflow**, enter "[Template Name]."

 For this demo, we will perform an *Optical Power Test* with the OLP-35V2.

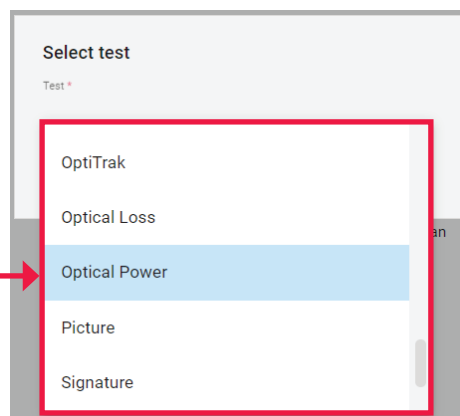


6. Once **template name** is defined, click "Tests."



7. Click "+" to add a new *test plan*.

8. Select the desired **test**.



Creating a Job Template in StrataSync (continued)

9. Key in a brief **test description**.

10. Under **Configuration***:

a. Select the desired criteria for *Alarms mode* and *Power meter type*.

b. Click "+" next to "Setup".

Optical Power Test		
Description SPV2 Power Test		
Configuration		
Alarms mode *	Measurement mode *	Power meter type *
none	absolute	broadband
<input type="checkbox"/> Auto lambda enable <input type="checkbox"/> In service measurement enable		
1 Setup* +		
Wavelength nm *	Lower marginal threshold dBm	Lower threshold dBm
1310	0	
Upper marginal threshold dBm	Upper threshold dBm	Lower marginal threshold dB
0		0
Lower threshold dB	Upper marginal threshold dB	Upper threshold dB
	0	
0 Locations +		

11. Click the **save** icon.

TPA

Job Manager

Job Templates

Analytics

Job Template - Optical Power Test

Workflow Tests

Test Plan +


Optical Power

Optical Power Test

Description
SPV2 Power Test

Configuration

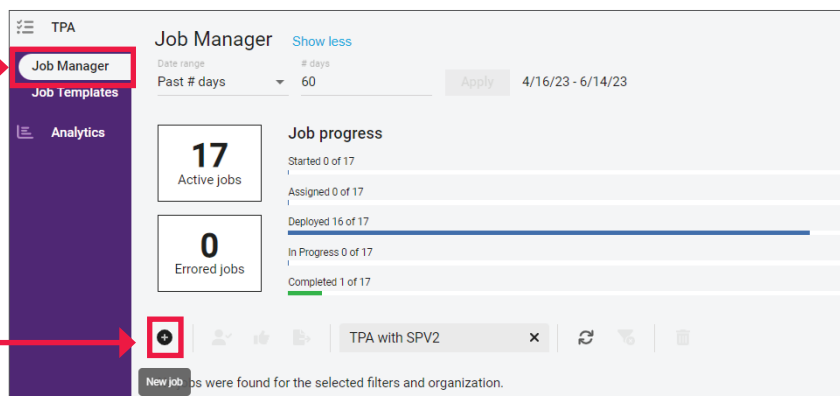
0 Locations +

 This concludes the *job template* process.

* **Setup tab** determines the pass/fail (*alarms mode*) criteria. The typical concern for power measurements is low power. When utilizing the alarms mode feature, it is recommended to enter the *lower threshold dBm value only* (disregard the *upper threshold dBm* unless excess power is of concern).

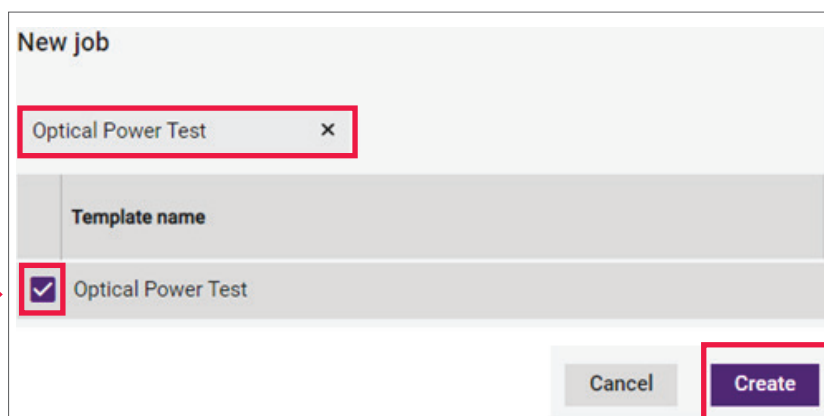
Creating a Job in StrataSync

1. Click the **Job Manager** tab.



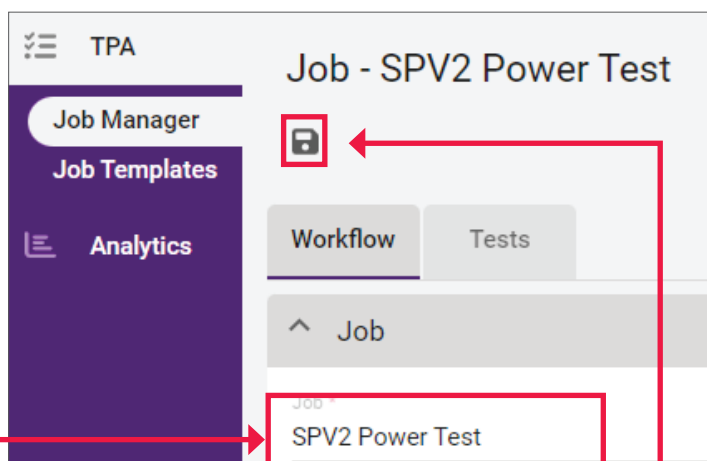
2. Click the "+" icon to create the job.

3. Select the created **job template** (search feature may be helpful).



4. Click "Create."

5. Provide a **job name**.



6. Click the **save** icon.



This concludes the *job creation process*.

Assigning the Job in StrataSync

1. Under **Job Manager**, Select the job to be assigned.

2. Click the **user icon** to assign the job to the technician.

Job Manager [Show less](#)

Date range: Past # days 60 [Apply](#) 4/16/23 - 6/14/23

18 Active jobs

0 Errored jobs

Job progress

Started 1 of 18

Assigned 0 of 18

Deployed 16 of 18

In Progress 0 of 18

Completed 1 of 18

SPV2 Power Test

Workorder ID	Tech	Schedule date
<input checked="" type="checkbox"/> SPV2 Power Test		6/14/23

3. **Search** for the *technician*.

4. Select the *technician*.

Assign job

VIAVI Demo 1 ▶

James Nelson

Login Name	First Name
<input checked="" type="checkbox"/> james.nelson@demo1.viavi.com	James

Cancel **Assign**

5. Click **"Assign."**



This concludes the *job assignment process*.


Enabling Bluetooth on the OLP-3xV2

1. Power on the **OLP-3xV2**.

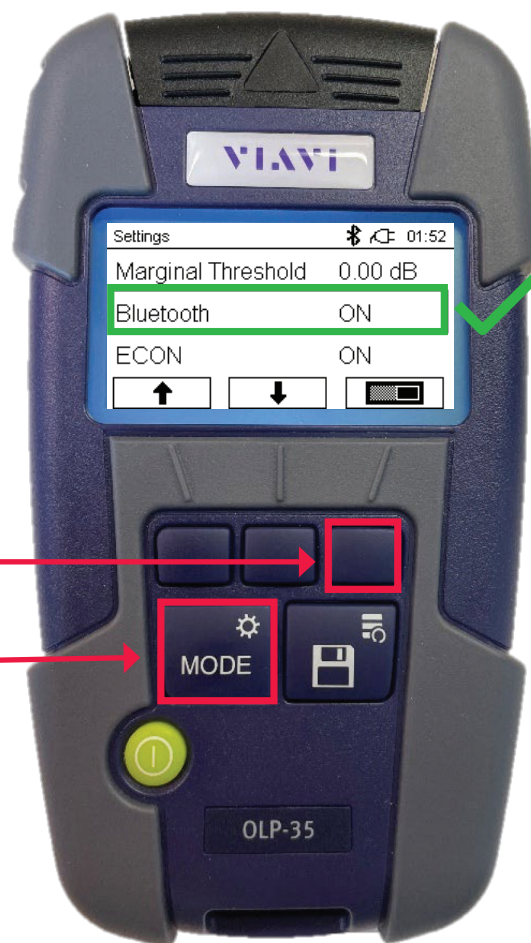
2. *Press and hold* the **MODE** button for at least 2 seconds.

3. Enable **Bluetooth**.

4. Exit the settings window with a *quick press* of the **MODE** button.

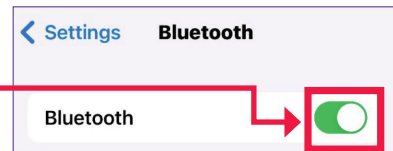
 OLP-3xV2 is now ready to pair with your mobile device.

*Bluetooth enablement is required only once, as this is recorded at shut down.



Pairing the OLP-3xV2 with Your Mobile Device

1. Ensure that **Bluetooth** is enabled on your mobile device.



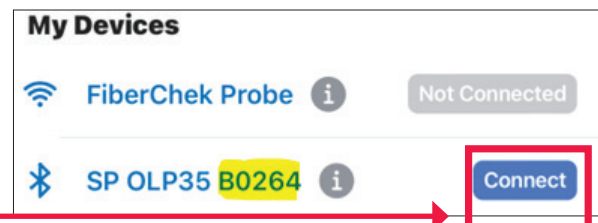
2. Take note of your device *serial number* (located on the back of the unit).



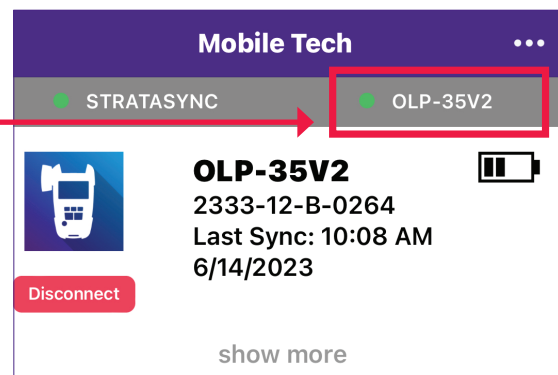
3. Open the **VIAVI Mobile Tech App** on your mobile device.



4. Connect to the OLP-3xV2 via Bluetooth by tapping "connect" next to the desired **serial number**.



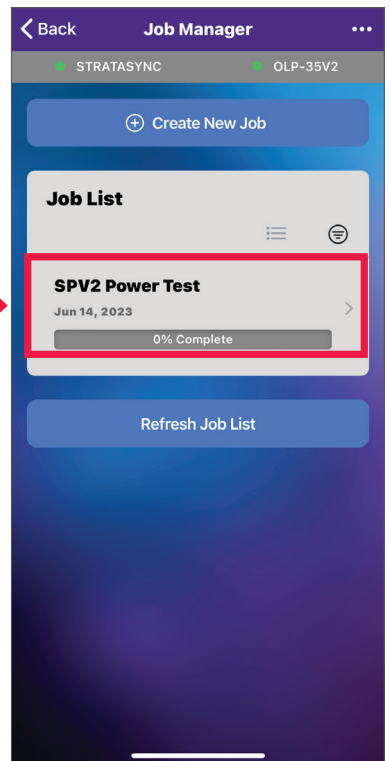
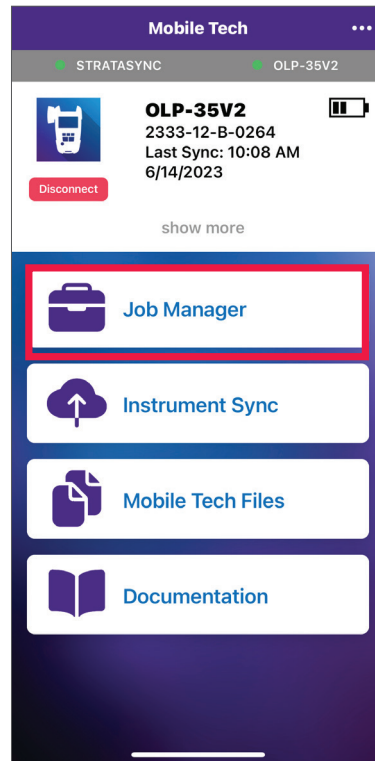
5. Once connected, the OLP model name will display with a **green indicator**.



OLP-3xV2 is now *connected* to your mobile device.

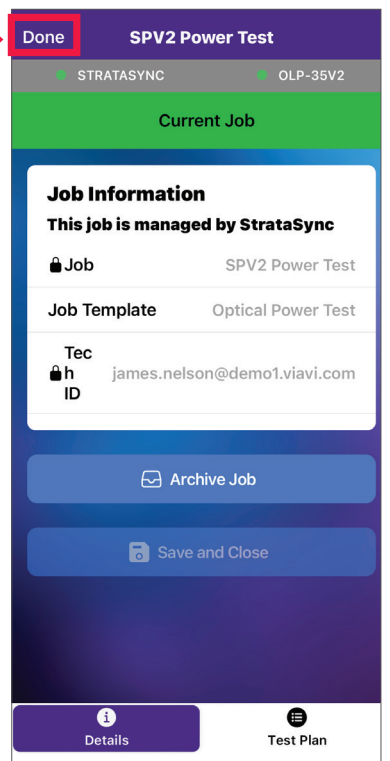
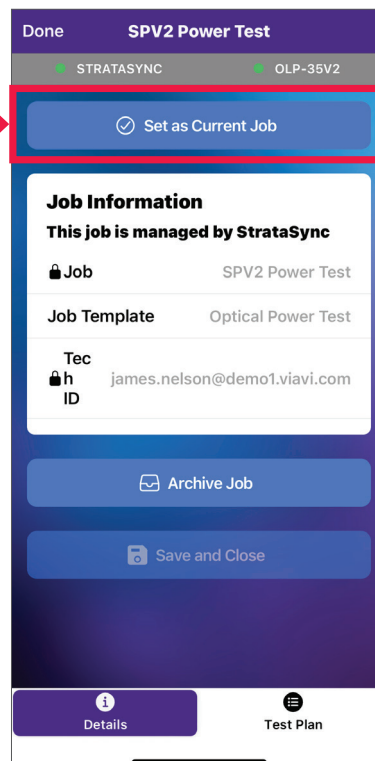
Starting the Job

1. Tap "Job Manger."



2. Tap the assigned job under "Job List."

3. Tap "Set as Current Job."



4. Tap "Done."

Completing the Job with the OLP-3xV2



When the OLP-3xV2 is paired to your mobile device, the OLP-3xV2 will automatically display the current job.



1. Tap button **3** to begin the test.



The OLP-3xV2 screen will now display the real-time *power measurement*.*



2. Perform the test.

3. Save the test with a *quick press* of the **save** button.



This concludes the *test process*.

* If labels are specified under "locations" in StrataSync job template, user will be prompted to choose job label before power measurement is displayed.

Job Remarks



When the assigned test is complete, the *Mobile Tech App* will update.¹



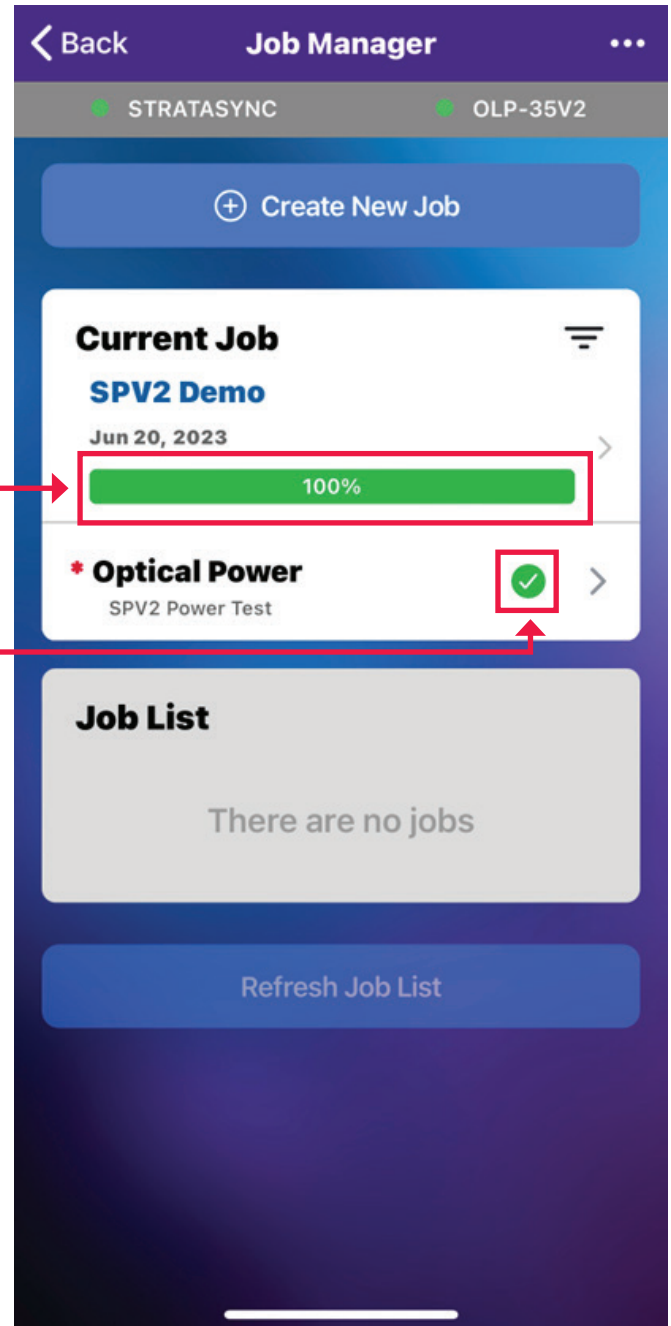
Each **test** will populate a green indicator when complete.



The test data for each test will upload to *StrataSync* from the *Mobile Tech App* according to user settings².



If *automatic* upload selected, the test data is now ready to view in *StrataSync*.



¹ Status bar represents the *percentage of completed tests* for the assigned **job**.

² Test Data upload settings are managed in **StrataSync > System Settings > Mobile Tech Settings > StrataSync Upload** > choose **Automatic/Manual** (**Automatic** = immediate upload | **Manual** = user choice).

Viewing the Report in StrataSync

The screenshot displays the StrataSync Job Manager interface. The top section shows job progress for 'SPV2 Demo' with 16 Active Jobs and 0 Errored Jobs. A pie chart indicates job status: 87.5% Completed, 6.3% In Progress, and 6.3% Overdue. Below this, a table lists job details for 'SPV2 Demo' (James Nelson) scheduled for 6/20/23, with a status of 'Completed' and 100% progress. A 'Test Plan' section is highlighted, showing a checklist for 'Optical Power' with a timestamp of 6/20/23 4:47 PM and a file named '2023-06-20T16-47-45.wfl.json'. A red box highlights this file name in the detailed view below.

Job Manager

Date range: Past # days: 60 Apply 4/22/23 - 6/20/23

Job progress

Started 0 of 16
Assigned 0 of 16
Deployed 14 of 16
In Progress 0 of 16
Completed 2 of 16

Job status

87.5%
6.3%
6.3%
0 Overdue jobs

Workorder ID Tech Schedule date Due date State Progress Status Created on

SPV2 Demo james.nelson@demo1.viavi.com 6/20/23 Completed 1 of 1 (100%) 6/20/23

Job Information

Job: SPV2 Demo
Technician ID: james.nelson@demo1.viavi.com
Schedule date: 6/20/23
Template: Optical Power Test

Test Plan

- Optical Power
 - 6/20/23 4:47 PM 2023-06-20T16-47-45.wfl.json
 - Other test files (optional)

Schedule date **Due date** **State** **Progress** **Status**

6/20/23 Completed 1 of 1 (100%)

Test Plan

- Optical Power
 - 6/20/23 4:47 PM 2023-06-20T16-47-45.wfl.json
 - Other test files (optional)



See next page for report viewing instructions.

Viewing the Report in StrataSync (continued)

1. Return to *StrataSync*.

2. Under **Job Manager**, click the **refresh icon** to see the completed job.

Job Manager [Show less](#)

Date range: Past # days 60 [Apply](#) 4/16/23 - 6/14/23

18 Active jobs

0 Errored jobs

Job progress

Started 0 of 18

Assigned 1 of 18

Deployed 16 of 18

In Progress 0 of 18

Completed 1 of 18

SPV2 Power Test [x](#) [refresh](#) [filter](#) [trash](#)

Workorder ID	Tech	Schedule date
SPV2 Power Test	james.nelson@demo1.viavi.com	6/14/23

3. To view the report, click the **job**.

4. Under **Test Plan**, click the appropriate test.

5. Click the **.json file** to view the test report.

Test Plan

Completed 1 of 1 (100%) [In Progress](#) [Completed](#)

Optical Power

6/14/23 11:09 AM

[2023-06-14T11-09-58.wfl.json](#)

Other test files (optional)

HTML View of the SPV2 Test Report

Optical Power Test

Date/Time 6/14/2023, 11:09:58 AM

Job

Job: SPV2 Power Test
Date/Time 6/14/2023, 12:00:00 AM
Technician James Nelson (james.nelson@demo1.viavi.com)

Results

λ (nm)	Power (dBm)	Status
1310	-3.07	none

Configuration

Alarms Mode: OFF
Auto-Lambda: Enabled
Power Units: dBm
Measurement Mode: ABSOLUTE POWER

Instrument

Instrument

Model OLP-35V2
Type OLP-35V2
Serial Number 2333-12-B-0264
Software Version 03.00.00
Hardware Version 2333-7001.924R01, Rev.003, D51
Calibration Date 2021-03-29



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