

# 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)



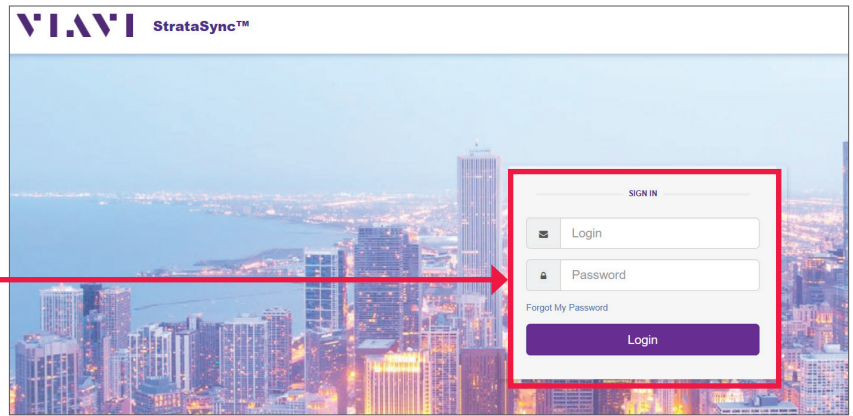
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\* Please contact your VIAVI Sales Representative to purchase a VIAVI StrataSync license or to request a demo of this solution.

## Creating a Job Template in StrataSync

1. Visit [stratasync.viavisolutions.com](https://stratasync.viavisolutions.com) and enter your login credentials.

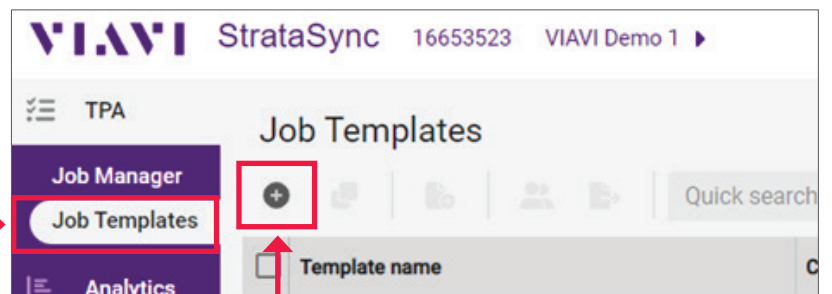


-  VIAVI TPA must be enabled within your organization's StrataSync account for these capabilities to be visible.

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




3. Click "Job Templates" on the left.

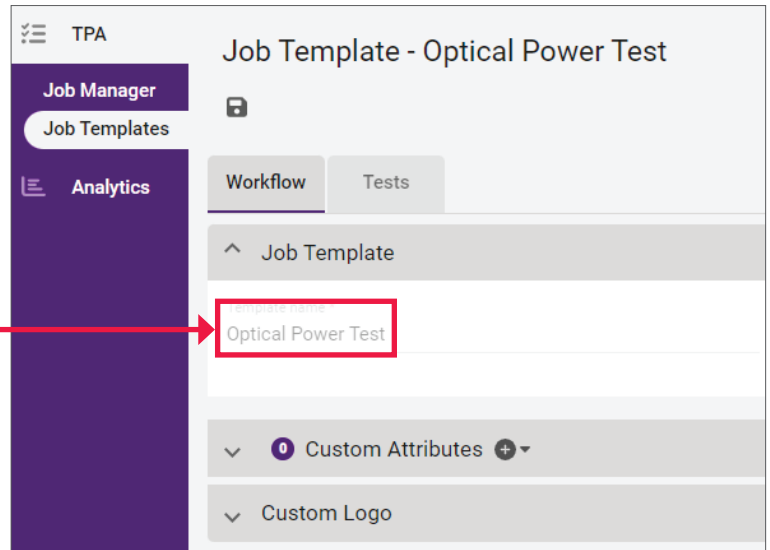


4. To add a new template, click the "+" icon.

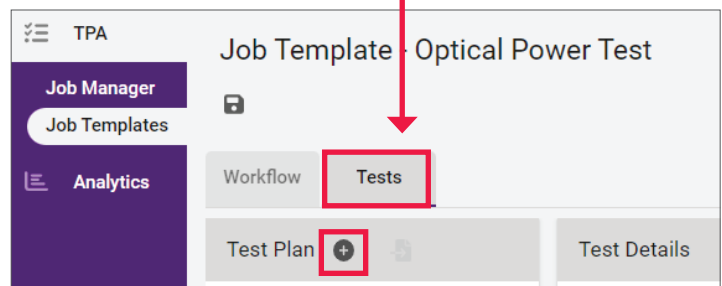
## Creating a Job Template in StrataSync (continued)

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

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

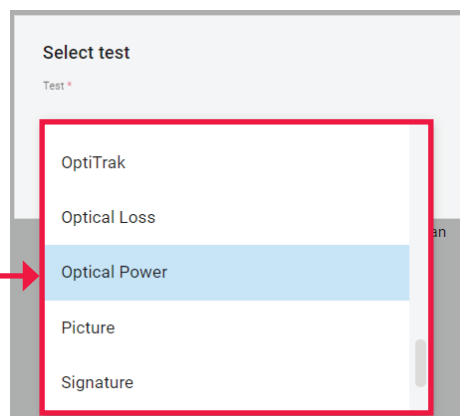


6. Once **template name** is defined, click "Tests."



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 \* none Measurement mode \* absolute Power meter type \* broadband

Auto lambda enable  In service measurement enable

Setup\* +

Wavelength nm \* 1310 Lower marginal threshold dBm 0 Lower threshold dBm

Upper marginal threshold dBm 0 Upper threshold dBm Lower marginal threshold dB 0

Lower threshold dB 0 Upper marginal threshold dB Upper threshold dB

0 Locations +

11. Click the **save** icon.

TPA

Job Manager Job Templates Analytics

Job Template - Optical Power Test

Workflow Tests

Test Plan + 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.

Job Manager [Show less](#)

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

**17** Active jobs

**0** Errored jobs

**Job progress**

Started 0 of 17

Assigned 0 of 17

Deployed 16 of 17

In Progress 0 of 17

Completed 1 of 17

TPA with SPV2

New jobs were found for the selected filters and organization.

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

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

**New job**

Optical Power Test x

Template name

Optical Power Test

Cancel Create

4. Click **"Create."**

5. Provide a **job name**.

TPA

**Job - SPV2 Power Test**

Job Manager

Job Templates

Analytics

Workflow Tests

Job

SPV2 Power Test

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 # days  
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**.

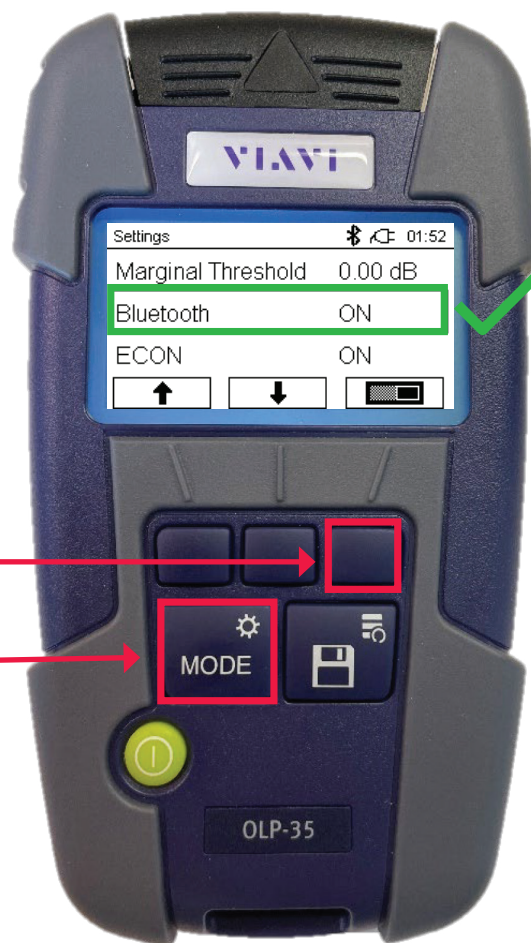
2. *Press and hold* the **MODE** button for at least 2 seconds.

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.



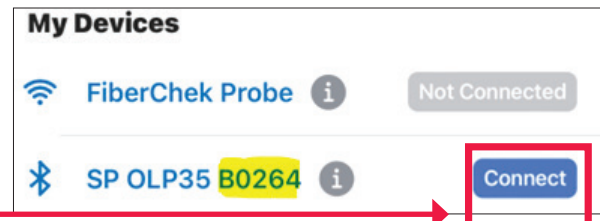
2. Take note of your device *serial number* (located on the back of the unit).



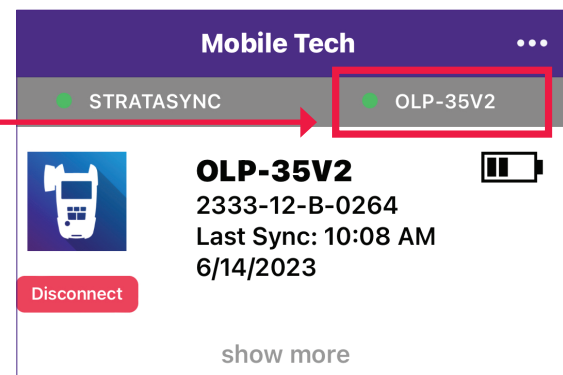
3. Open the **VIAVI Mobile Tech App** on your mobile device.




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**.

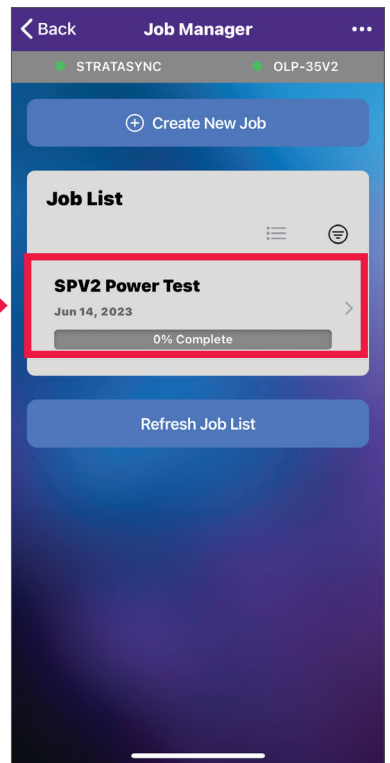
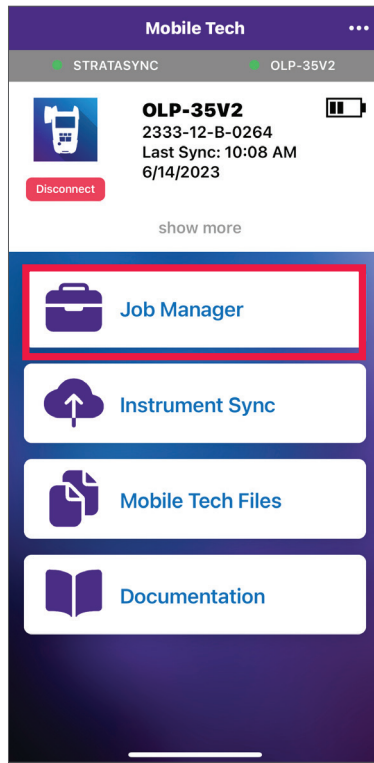


 OLP-3xV2 is now *connected* to your mobile device.



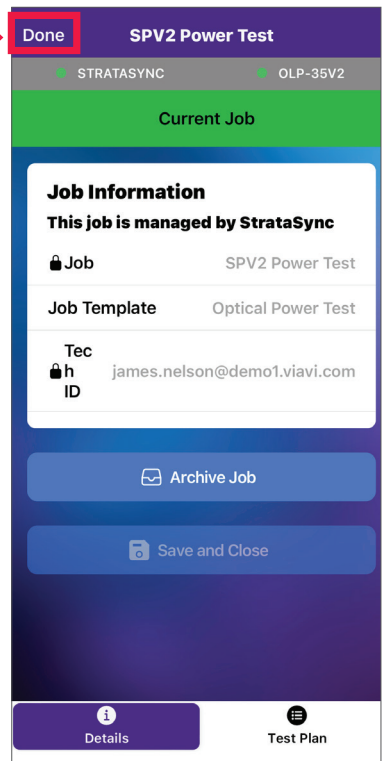
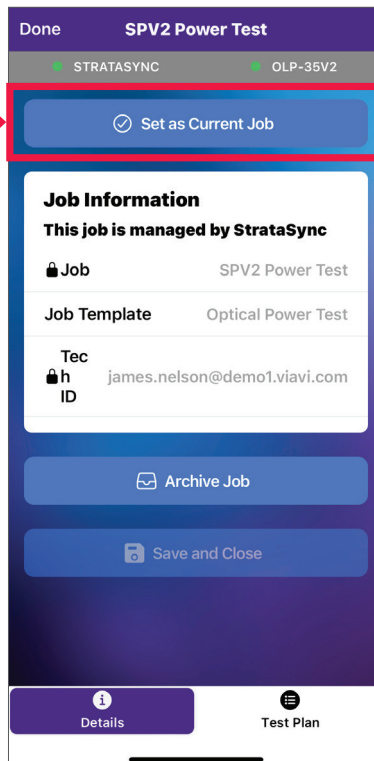
# Starting the Job

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.

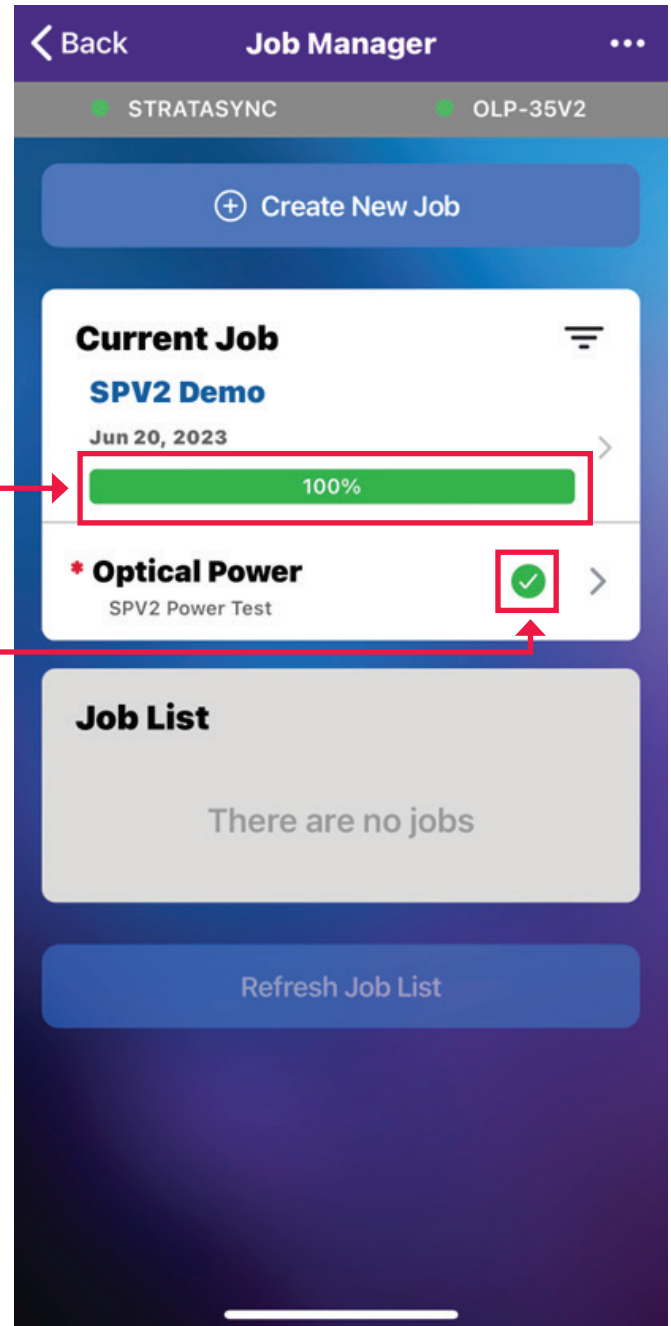
## Job Remarks

➔ When the assigned test is complete, the *Mobile Tech App* will update!<sup>1</sup>

➔ 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 settings<sup>2</sup>.

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



<sup>1</sup> Status bar represents the *percentage of completed tests* for the assigned **job**.

<sup>2</sup> 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 shows the StrataSync Job Manager interface. On the left, there are navigation tabs for 'Job Manager', 'Job Templates', and 'Analytics'. The main area displays 'Job progress' with a summary of 16 Active jobs and 0 Errored jobs. A 'Job status' pie chart shows 87.5% completed, 6.3% in progress, and 6.3% errored. Below this is a table of jobs with columns for Workorder ID, Tech, Schedule date, Due date, State, Progress, Status, and Created on. The job 'SPV2 Demo' is highlighted, showing it is 'Completed' with 100% progress. A 'Job Information' panel for 'SPV2 Demo' is shown, including the technician ID 'james.nelson@demo1.viavi.com' and the template 'Optical Power Test'. A 'Test Plan' dropdown is open, showing 'Optical Power' with a checkmark, a file icon, the date '6/20/23', the time '4:47 PM', and the filename '2023-06-20T16-47-45.wfl.json'. Below the test plan is an option for 'Other test files (optional)'.

This is a zoomed-in view of the job table row for 'SPV2 Demo'. The columns are 'Schedule date', 'Due date', 'State', 'Progress', and 'Status'. The row shows a checkmark, the date '6/20/23', the state 'Completed', a progress bar at '1 of 1 (100%)', and a green checkmark in the status column. Below the table is a progress indicator with steps: Started, Assigned, Deployed, In Progress, Completed (checked), and Approved.

This is a zoomed-in view of the 'Test Plan' dropdown. It shows a checkmark next to 'Optical Power'. Below it is a file icon, the date '6/20/23', the time '4:47 PM', and the filename '2023-06-20T16-47-45.wfl.json'. Below the file information is an option for 'Other test files (optional)' with a folder icon.



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 # days  
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](#) [share](#) [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.

Workorder ID	Tech	Schedule date	Due date	State	Progress	Status
SPV2 Power Test	james.nelson@demo1.viavi.com	6/14/23		Completed	1 of 1 (100%)	✓

State Progress Status

Completed 1 of 1 (100%) ✓

In Progress Completed

**Test Plan**

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

$\lambda$ (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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