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QUICK CARD

OneCheck WiFi Ookla Speedtest and Ping

This quick card describes how to run an Ookla Speedtest and Ping a DNS Server using the NSC-100 or NSC-200 Network & Service Companion OneCheck WiFi test.

- Mobile Device (Smartphone or Tablet) with VIAVI Mobile Tech App
- Network & Service Companion equipped with the following:
  - o Software release V4.1.5 or greater
  - o **NSC-OC-WIFI** option for OneCheck WiFi testing
  - o **NSC-SPEEDTEST** option for up to 1 Gigabit Ethernet testing

Figure 1: Equipment Requirements

PAIRING THE NSC TO YOUR MOBILE DEVICE

On the Network & Service Companion:

1. Press the Power button to turn on the unit. The Power indicator will turn solid green when the NSC is on.

2. Press and hold the Pair button on the NSC for 3 seconds to enter pairing mode. The blue Pair indicator blinks.

On the Mobile Device:

1. Go to the Settings menu, enable Bluetooth, and scan for available devices.
2. Pair with **VIAVI NSC**.
3. Launch the VIAVI Mobile Tech App:
   1. If you are using Stratasync for Asset and Report Management, tap **LOGIN WITH INSTRUMENT**, enter your Tech ID, and tap **LOGIN** when prompted.
   2. If you don't use Stratsync, tap **LOCAL MODE.**
4. Press **CONNECT** to connect to VIAVI NSC.
5. Press **Companion** to view the Companion menu. You can now control the instrument through the **Mobile Tech App** and run all tests on the Companion.
6. Press to exit Job View.

Power and Pair buttons
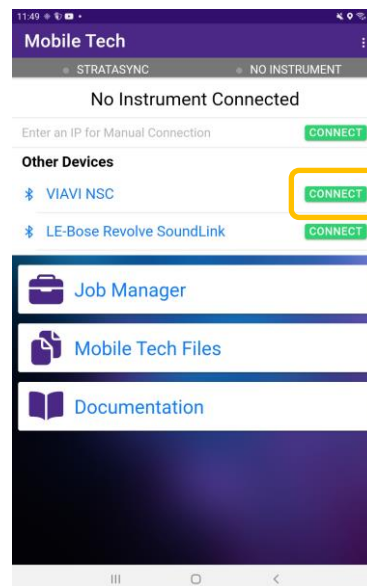Power and Pair Indicators
Service and Network Indicators
Status Indicators

Figure 2: Front View

Figure 3: Mobile Tech App

Figure 4: Companion

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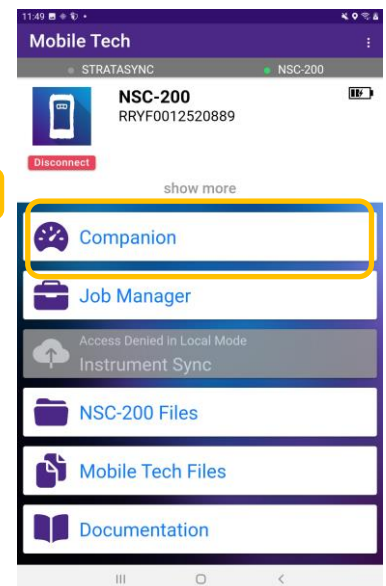
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CONFIGURE PROFILE

► The following Information is needed to configure the Ethernet Profile:

  • Upload Speed Threshold (Mbps)

  • Download Speed Threshold (Mbps)

Figure 5: Work Order

1. Press [🔧 **Profile Manager**] to display the Profile Manager screen.

2. Press [**CREATE NEW PROFILE**] to create a new profile.

3. Select **New WiFi Profile** and, if prompted, **ACCEPT TERMS OF USE**.
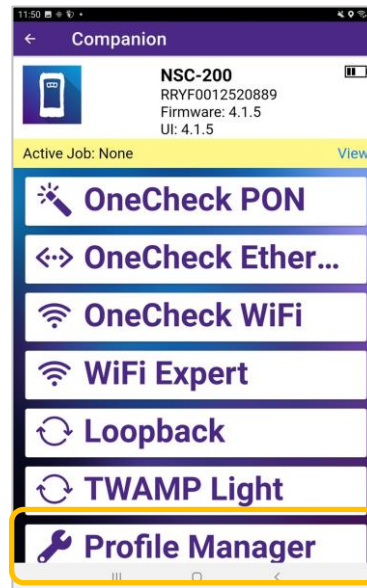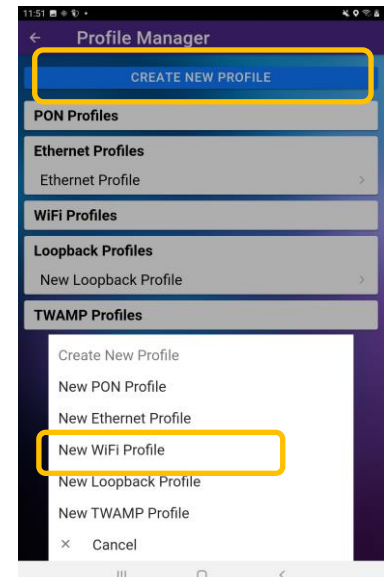
Figure 6: Profile Manager   *Figure 7: Create New Profile*

4. Enter a **Profile Name**.

5. Slide controls to the right ⬤ to enable **Run Ping Test** and **Run Ookla Speedtest**.

6. Swipe up screen to view **Ookla Configuration** settings.

7. Enter pass/fail thresholds for the Speedtest:

  ► Upload Threshold (Mbps)

  ► Download Threshold (Mbps).

8. Press [**SAVE AND RUN**] to initiate the test.
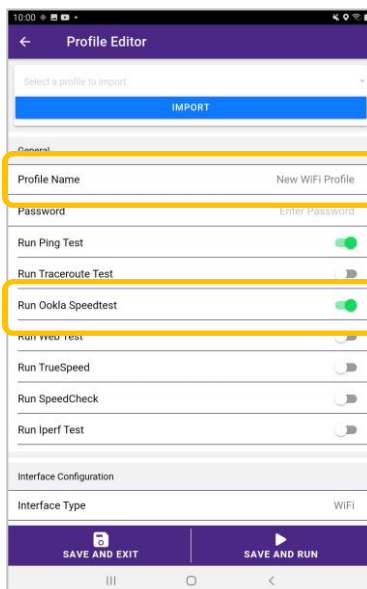
Figure 8: Profile Editor   *Figure 9: Ookla Configuration*

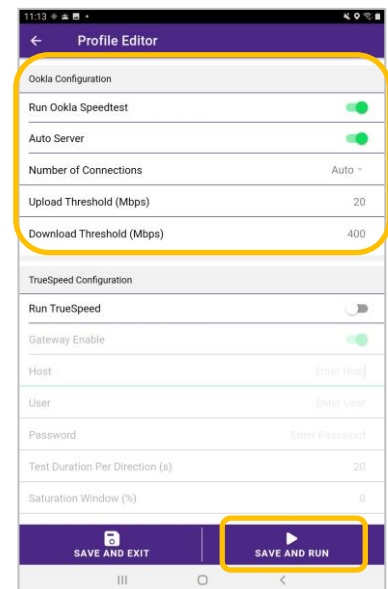**VIAVI Solutions**

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SELECT A NETWORK

1. Tap **Select** in the **Select a Network** window.

2. Tap **Connect** next to the Access Point under test.
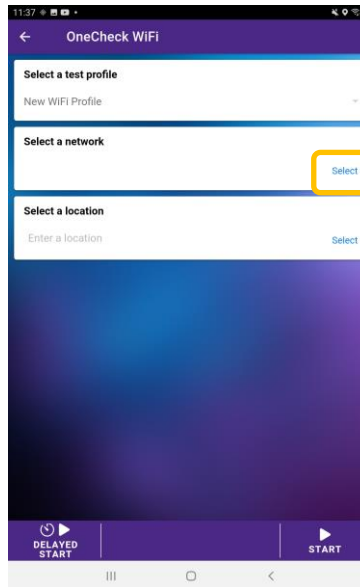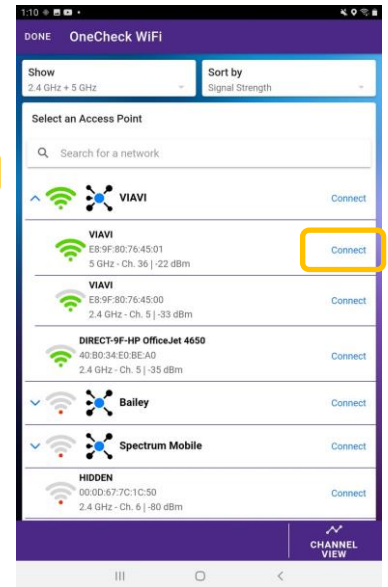
Figure 10: OneCheck WiFi   *Figure 11: Select a Network*

3. Enter the WiFi passcode and tap **CONNECT** or use WPS to connect to the access point.

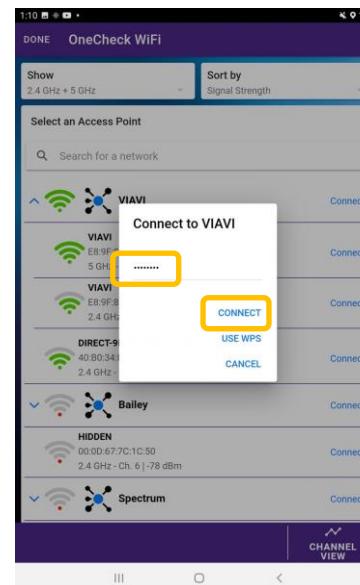4. View key information regarding router, including Frequency Band, Channel, and Signal level.
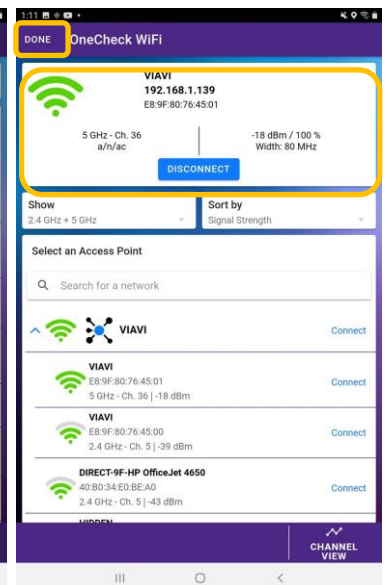
5. Tap **Done.**

Figure 12: Enter WiFi Passcode   *Figure 13: Access Point Info*

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RUN TEST

1. Tap **Select** and select the location for your test.

2. Press ▶ START

3. When the test completes, verify that all results pass ✅ and that both Download and Upload speeds meet or exceed pass/fail thresholds.

4. Tap ⤢ to view additional Speedtest results.

5. Tap ⤢ to return to the summary view.

6. Move the Network & Service Companion to the next room in the home or business.

7. Tap ◇ NEW LOCATION and repeat steps 1 through 7 until all rooms have been tested. WiFi extenders may be required if you fail to achieve desired Download and Upload speeds in all rooms.
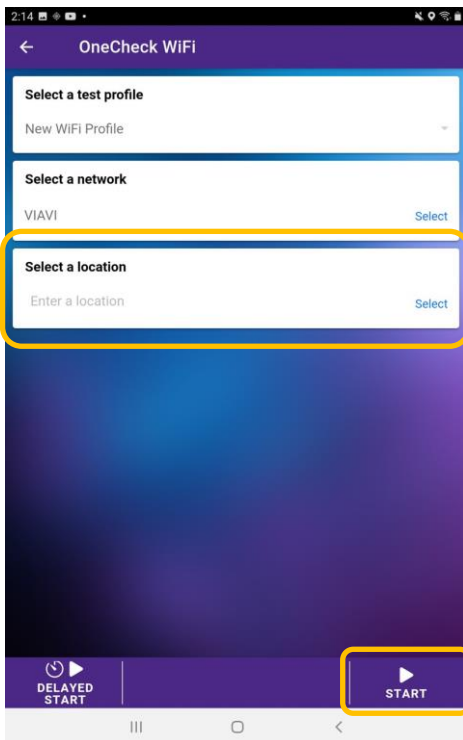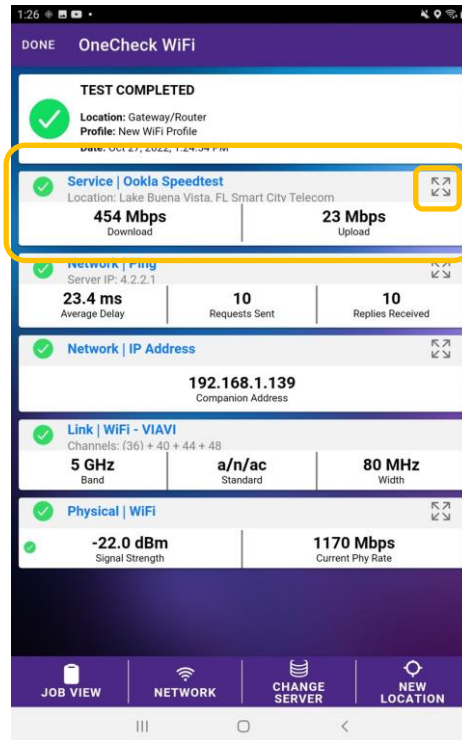

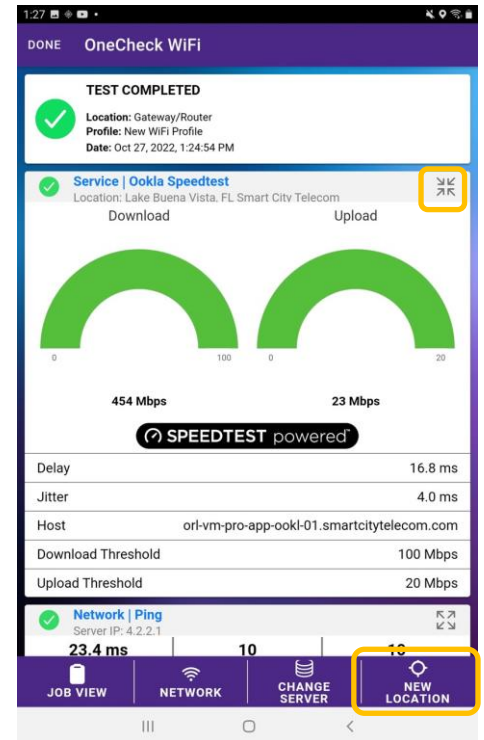*Figure 14: Select a Location*

Figure 15: Test Results

Figure 16: Expanded view

Contact Us

**+1 844 GO VIAVI
(+1 844 468-4284)**

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visit viavisolutions.com/contact