Quick Card

**FiberChek™ Probe Fiber Microscope**

**Fiber Inspection with FiberChekMOBILE™ Android™**

The following procedure outlines how to use the FiberChek Probe Microscope with the VIAVI FiberChekMOBILE Android app to inspect a simplex fiber end face.

**Equipment Requirements:**
- FiberChek Fiber Inspection Microscope
- Smartphone or tablet, Android version 7.0 or greater
- Bulkhead and Patch Cord Tips matching the fiber under test
- Fiber optic cleaning tools

The following information is required to complete the test:
- Type of Fiber (Multimode or Single Mode)
- Type of Connectors (SC UPC, SC APC, LC UPC, etc.)
- Type of Inspection Tips (See Figure 1):
  - Standard Patch Cord tip (FBPT-U12M, FBPT-U25M, FBPT-U25MA, etc.)
  - Standard Bulkhead tip (FBPT-SC, FBPT-SC-APC, FBPT-LC, etc.)
  - Long Reach Bulkhead tip (FBPT-LC-L, FBPT-SC-L, etc.)
  - Angled Bulkhead tip (FBPT-LC-A6S, FBPT-SC-A6, etc.)

**Install FiberChekMOBILE:**
- Search for FiberChekMOBILE in the Google Play™ store.
- Tap INSTALL and ACCEPT to install the application.
Set up the FiberChek Probe Microscope:

1. Press the **Power Button** to turn on the FiberChek Probe.

2. Enable Wi-Fi:
   - Tap the **Touchscreen Display** to enter the **Settings** menu.
     - Use the **Navigation control** or touch the arrows on the screen to highlight **Radio Settings** and press the **Action Button**.
   - Use the **Navigation control** button or touch the arrows to highlight **Wi-Fi Enable** and press the **Action button**.

3. Press the **Return button** or press the **Trigger** to return to the Live Inspection screen. A Wi-Fi icon will appear at the top of the screen.

4. Connect the FiberChek Probe microscope to a Smartphone via Wi-Fi:
   - Enable Wi-Fi on the Smartphone.
   - Tap FiberChek Wi-Fi SSID to connect.

5. Connect the appropriate patch cord or bulkhead **Inspection Tip** to the FiberChek Fiber Inspection Microscope by loosening and tightening the **Retaining Nut** on the FiberChek Probe barrel assembly.

Note: Some tips connect directly to the probe, without a barrel assembly. Consult the *VIAVI Tips & Adapters Selection Guide* for more information.
Set up the FiberChekMOBILE app:

1. Press the FiberChekMOBILE icon on your Smartphone to launch FiberChekMOBILE.
2. Tap the Tip and Profile icons and select the options that match the fiber under test:

   **Tips:**
   - **Standard Tips (with BAP1)** for Standard Patch Cord Inspection Tips (i.e. FBPT-U12M, FBPT-U25M, FBPT-U25MA) and Standard Bulkhead Inspection Tips (i.e. FBPT-LC, FBPT-SC, FBPT-SC-APC)
   - **Simplex Long Reach (-L) Tips** for Long Reach Inspection Tips (i.e. FBPT-LC-L, FBPT-SC-L)
   - For other types of inspection tips, connect the FiberChek Probe to FiberChekPRO™ on a PC and move the appropriate tip setting onto the microscope. For more information, consult the FiberChekPRO user manual. To download FiberChekPRO to your PC, visit [http://fcpro.updateemyunit.net/](http://fcpro.updateemyunit.net/)

   **Profiles:**
   - **SM UPC (IEC-61300-3-35 Ed. 2.0)** for Single Mode Fiber Ultra Polished Connectors
   - **SM APC (IEC-61300-3-35 Ed. 2.0)** for Single Mode Fiber Angled Polished Connectors
   - **SM PC & Fiber Stub (IEC-61300-3-35 Ed. 2.0)** for Single Mode Fiber Polished Connector
   - **MM (IEC-61300-3-35 Ed. 2.0)** for Multimode Fiber.
Run Pass/Fail Analysis:
1. Insert the **Bulkhead Inspection Tip** into the bulkhead or insert the Patch Cord ferrule into the **Patch Cord Inspection tip** on the FiberChek Microscope Probe.
2. Press the **Trigger** of the FiberChek microscope to auto-focus the fiber under test. The left horizontal bar on the screen indicates the level of focus adjustment. The higher the level, the better the focus.

3. There are 3 ways to run the fiber inspection test:
   - Press and hold the Trigger on the FiberChek Probe for 2 seconds.
   - Press the Action button on the FiberChek Probe.
   - Press the **TEST** option on the screen.

4. If the test **fails**, clean the fiber end face and **repeat steps 1 through 3**.

5. If the test **passes**, you are ready to **Connect**.

**Note:** Both the patch cord and bulkhead should **pass inspection before connection**.