Quick Card

T-BERD®/MTS-2000 Modular Test Set
Tuning SFP/SFP+ Transceivers with the OCC-4056C

This quick card describes how use an SFP port on the OCC-4056C to tune the wavelength of MSA Compliant 10G tunable SFP+ transceiver, and to operate as an Optical Light Source (OLS). Note: Some vendors' SFP+ transceivers use proprietary tuning methods and cannot be tuned with the OCC-4056C.

Equipment Requirements:
- T-BERD/MTS-2000 equipped with Fiber Optics Software Release V18.70 or greater
- OCC-4056C DWDM Optical Channel Checker Module with SFP/SFP+ bays
- OCC4056_SFP_FUNC license to enable SFP functions
- MSA Compliant Tunable SFP+ optical transceiver

Figure 1: Equipment Requirements

Setup Test:
1. Press the **ON/OFF** button to turn on the test set.
2. Press the **HOME** button to display the Home Screen.
3. Tap the **OCC-4056C** icon until it is selected and highlighted in yellow.
4. Tap the **SETUP** button.
5. Tap the **Acquisition** soft key.
6. Insert a tunable SFP into the Port 1 slot on the top of the Module.
7. The **SFP-1 Settings** window will populate with information about the transceiver.
8. Tap the **ITU_T Ch.** setting and specify the ITU_T Channel number to tune. The transceiver will be tuned to the selected value in the ITU G.694 Spectral Grid.
9. Tap the **State** setting and select **ON** to turn on the laser and source the configured channel/ wavelength from the TX port of the SFP.
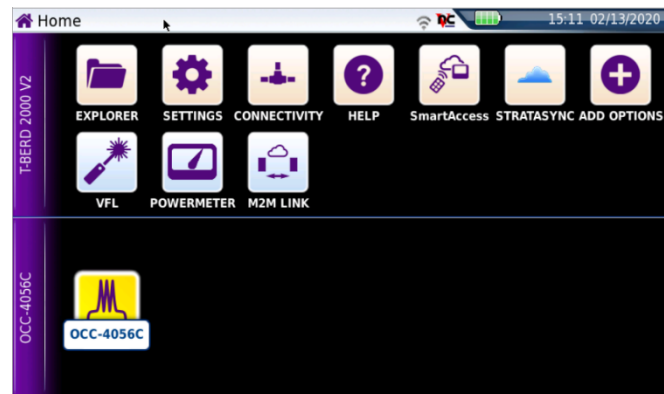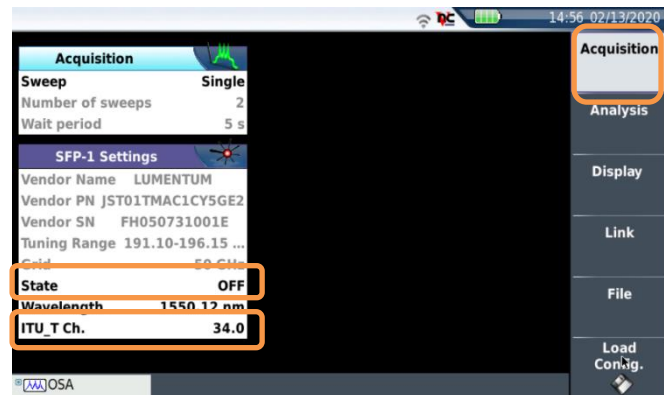

Figure 2: Home Screen

Figure 3: Acquisition Setup, SFP-1 Settings

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