Quick Card

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

This quick card describes how to 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

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.