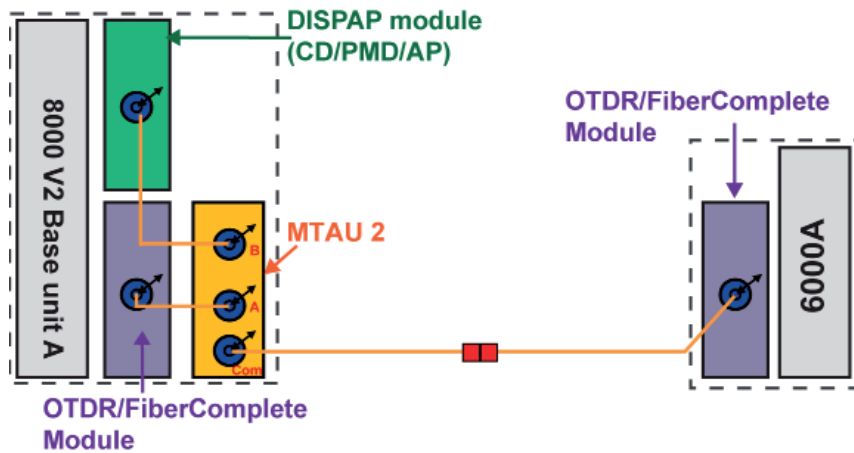



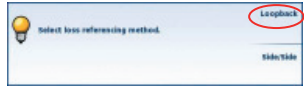


- Connect both jumpers together using the appropriate mating adapter. See below the interconnection schematic.



## 8000 V2 PLATFORM QUICK CARD

### 4. Perform ORL and Loopback IL Referencing

- Touch the **FCOMP** tab .
- Press the soft key **References**  to enter the reference menu.
- Press the soft key **Take Refs**  in order to enter the referencing wizard.
- Press **Loopback** key  to start referencing process for ORL and Insertion Loss
- Repeat above steps 5 to 8 for loopback ORL/IL referencing.

### FIBER CHARACTERIZATION SCRIPT

### IL/ORL REFERENCING PROCEDURE

The following procedure describes how to perform an Insertion Loss (IL) and Optical Return Loss (ORL) referencing with the use of an MTAU and a FiberComplete module into a T-BERD/MTS 8000 V2. This measurement is done to ensure that the IL and ORL of the fiber jumpers are taken into account for an accurate qualification of the fiber to test.

Please read the entire procedure BEFORE starting.

## 1. Inspect and clean connectors

Before connecting a fiber into a test module, inspect and clean the module bulkhead and the fiber jumper connectors.




Use the P5000i video inspection scope to verify the connector quality.

Use appropriate cleaning material (e.g. IBC™ cleaner, cotton swab, dust air sprays, etc...) and re-inspect to confirm.





## 2. IL/ORL referencing with the integrated FiberComplete® solution

- 1 Connect a fiber jumper to the MTAU COM port of T-BERD/MTS 8000 V2 and one to the test port of the module of the T-BERD/MTS 6000A.





Refer to Fiber Characterization Getting Started Quick Card for proper module interconnections.

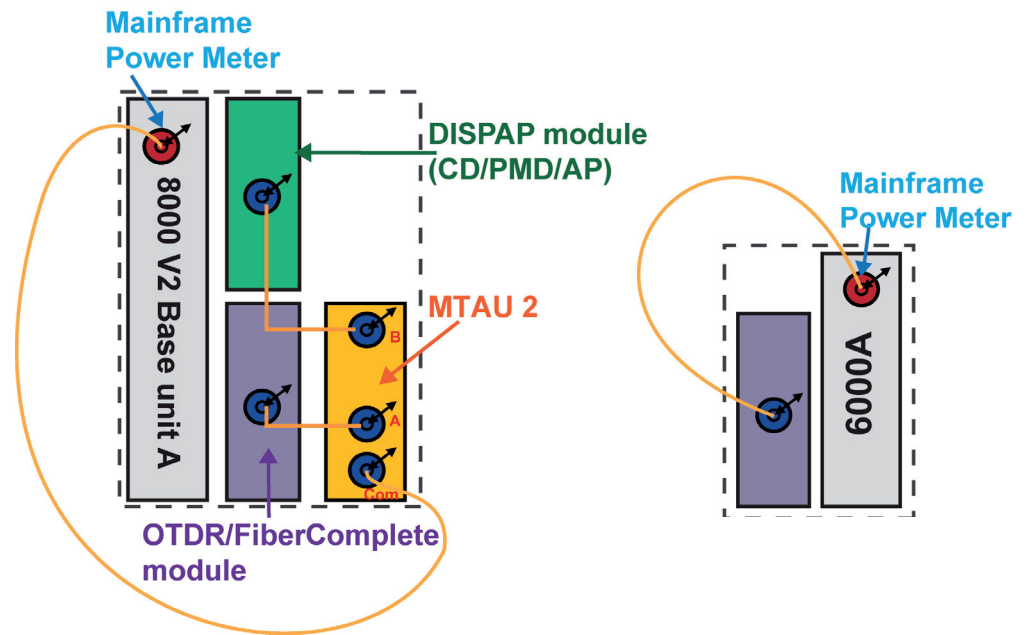
- 2 Press  to turn both units on and wait the completion of auto-test (45 sec.).

### Activate the FCOMP function on both units

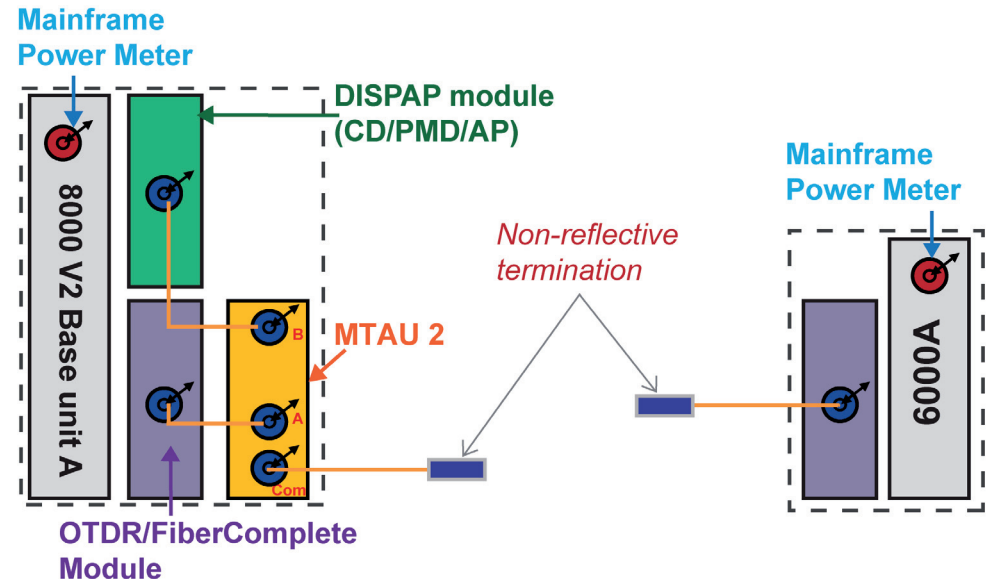
- 1 Press the hard key  and light the icon  with your finger or stylus.
- 2 Press the hard key  and touch the MTAU tab of the 8000 V2 unit.
- 3 Press the soft key  until **OUT A** is selected on the 8000 V2 unit.

## 3. Perform ORL and side by side IL Referencing

- 1 Touch the **FCOMP** tab .
- 2 Press the soft key  to enter the reference menu.
- 3 Press the soft key **Take Refs**  in order to enter the referencing wizard.
- 4 Press **Side/Side** key  to start referencing process for ORL and side by side Insertion Loss .
- 5 When prompt, connect the test jumpers from the 8000V2 COM port to the mainframe power meter and from the 6000 test module to mainframe power meter, as shown below



- 6 Press OK to measure emitted power level.
- 7 When prompt, disconnect the test jumpers from the mainframe power meters and connect the non-reflective terminator to the end of each test jumper, as shown below



- 8 Press OK to perform zero ORL referencing.