

QUICK CARD

FiberComplete PRO with TrueBIDIR acquisition:

(TrueBIDIR= instant on board bi-directional OTDR averaging):

Markers & Markers Lock management

The markers management aims all techs to analyze and adjust results on the field, without any post processing necessary.



The following document describes:

1. how to “add event / modify events code” when a TrueBIDIR acquisition has been performed,
2. how to keep these adjustments for the next acquisitions.

This “add event / modify events code” process will automatically update:

- the bi-directional analysis,
- all individual traces (all wavelengths, all directions)
- raw files & reports.

SCENARIO

Two scenarios are described:

1. MODIFY Marker [Event code] + LOCK all Markers for next acquisitions
 - Ex. : APC connector event with a very low reflectance been automatically identified as a splice event
2. ADD Marker [Event] + LOCK all Markers for next acquisitions
 - Ex: Splice event with a very low loss not automatically detected

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Scenario 1: MODIFY MARKER [Event code] + LOCK ALL MARKERS

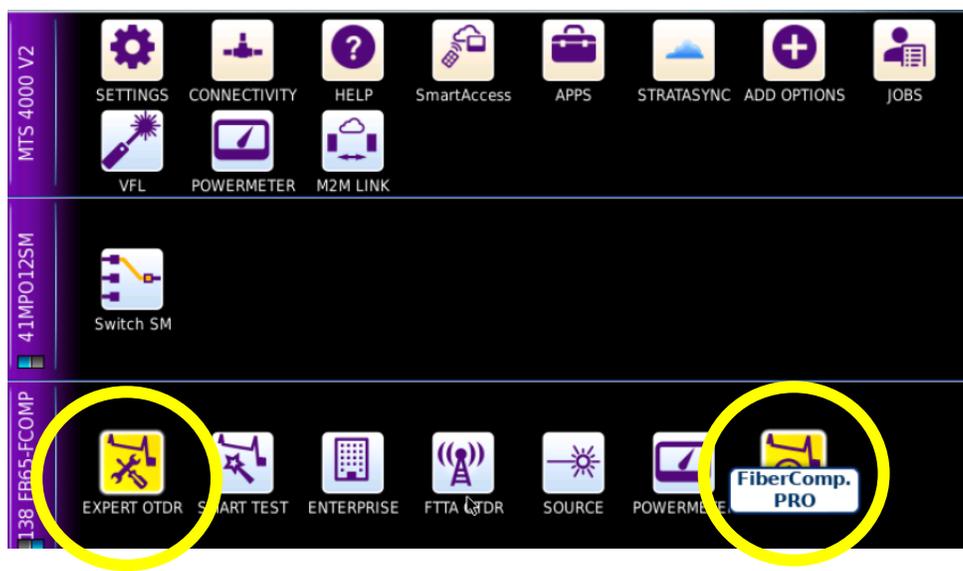
1- Analyze SLM Bi-directional OTDR analysis

2- Modify Markers on 1 Trace

3*- Update all OTDR results, raw data & reports with [Replay trueBIDIR] function

4- Lock the markers

5- Press Start for next acquisitions

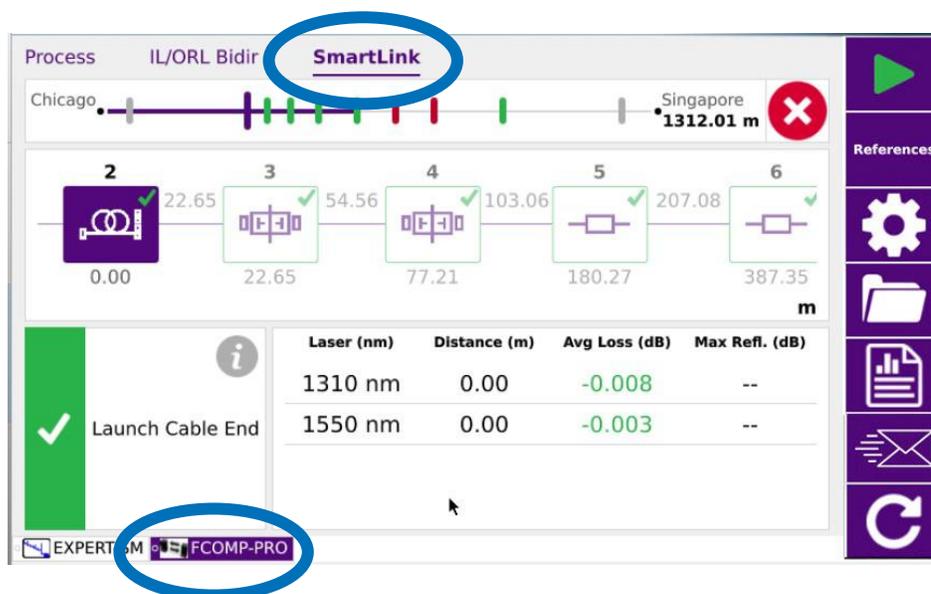


* Automatic process

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Scenario 1: MODIFY MARKER [Event code] + LOCK ALL MARKERS

1-Analyze SLM Bi-directional OTDR analysis



In FCOMP-PRO app, go to SmartLink tab to analyze all markers/ events code.

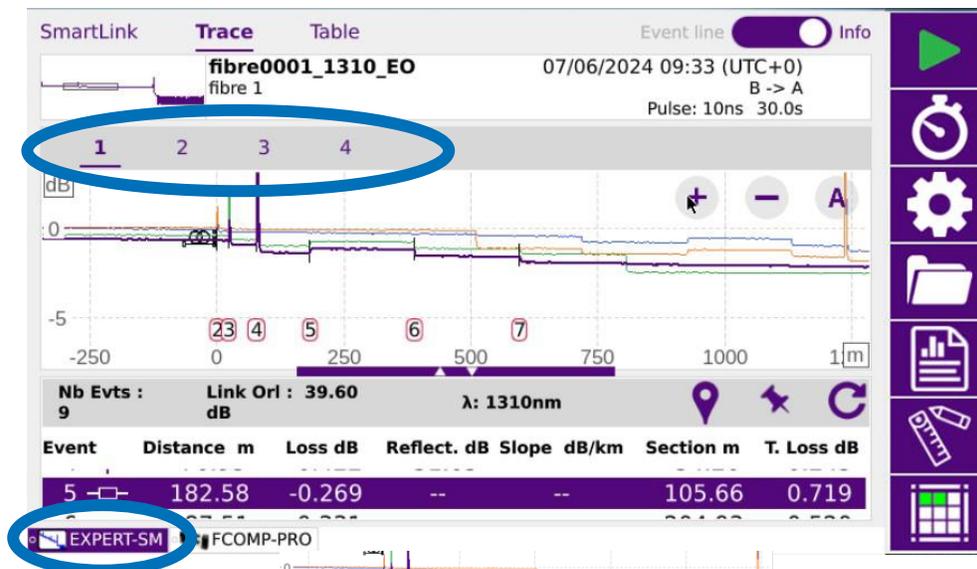
If a marker events code is uncorrect, go to Expert OTDR app to modify it.

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Scenario 1: MODIFY MARKER [Event code] + LOCK ALL MARKERS

2-Modify Markers on 1 Trace

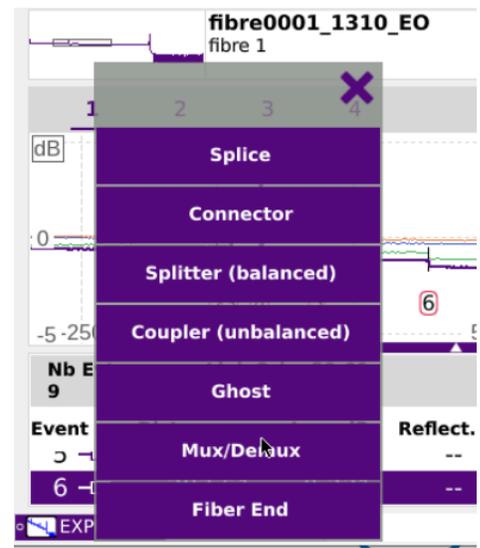
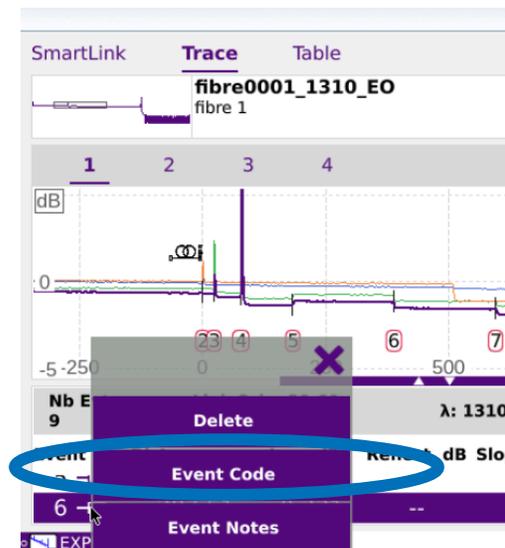
A-In EXPERT-OTDR app, go to **Trace** tab, select # 1 trace (# 1 = Trace from Master to Remote with 1st selected wavelength) (all other traces can be selected as well)



B-In the table, below the trace, select the Marker icon which code is to change.

C-With a long press on the selected icon, a list is then displayed.

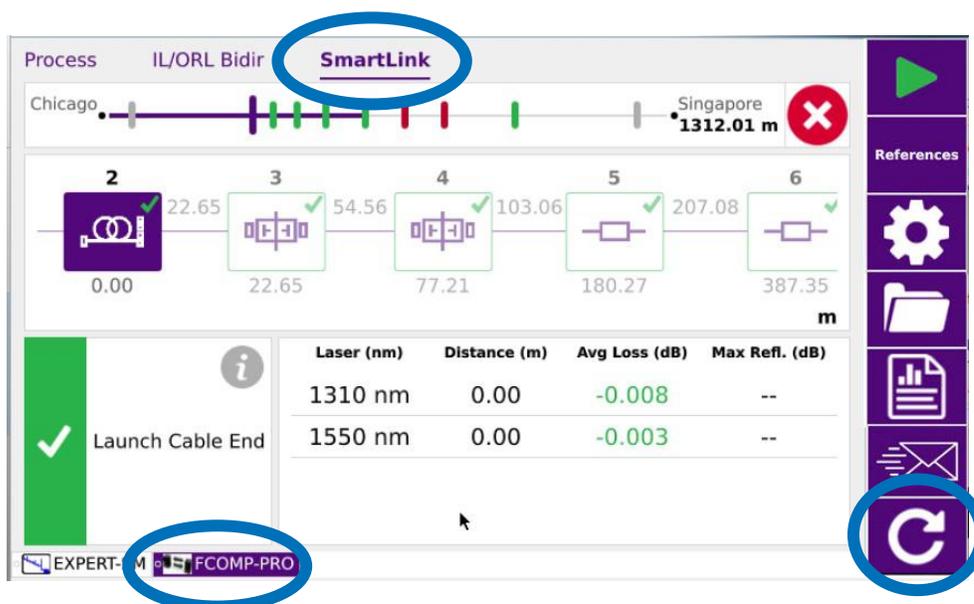
D-Select [Event Code], choose accordingly in the list now displayed.



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Scenario 1: MODIFY MARKER [Event code] + LOCK ALL MARKERS

3*- Update all OTDR results, raw data & reports with [Replay trueBIDIR] function



In FCOMP-PRO app, go to SmartLink tab and press [Replay TrueBIDIR].

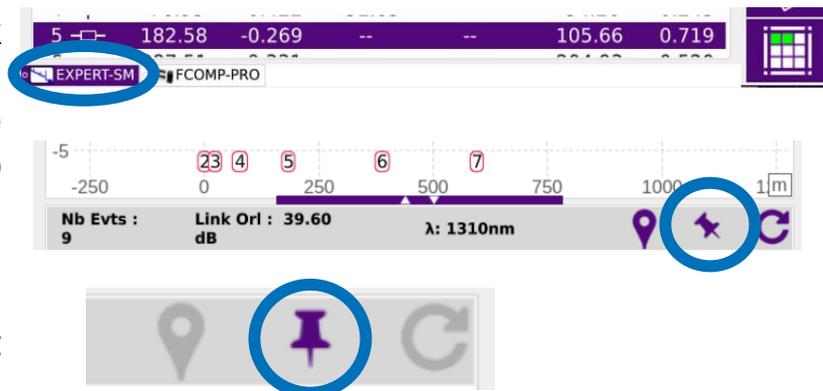
➤ Bi-directional OTDR analysis, all individual traces (all wavelengths, all directions) and raw files & reports are automatically updated.

4- Lock the markers

In EXPERT-OTDR app, press the Lock Marker pin.

Caution: The lock icon can only be activated on the Traces from “Master to Remote” direction.

When the pin stands in vertical position, all markers are locked for the next acquisitions.



5- Press Start  for next acquisitions (in FCOMP-PRO app)

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Scenario 2: ADD MARKER [Event code] + LOCK ALL MARKERS

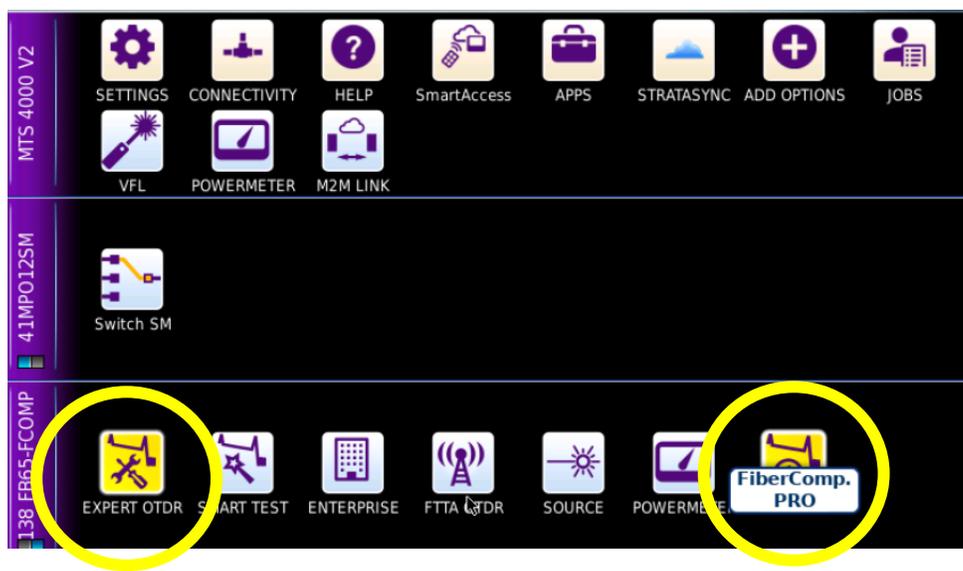
1-Analyze SLM Bi-directional OTDR analysis

2-Add Markers on all Traces- All wavelengths- One direction only

3*- Update all OTDR results, raw data & reports with [Replay trueBIDIR] function

4- Lock the markers

5- Press Start for next acquisitions

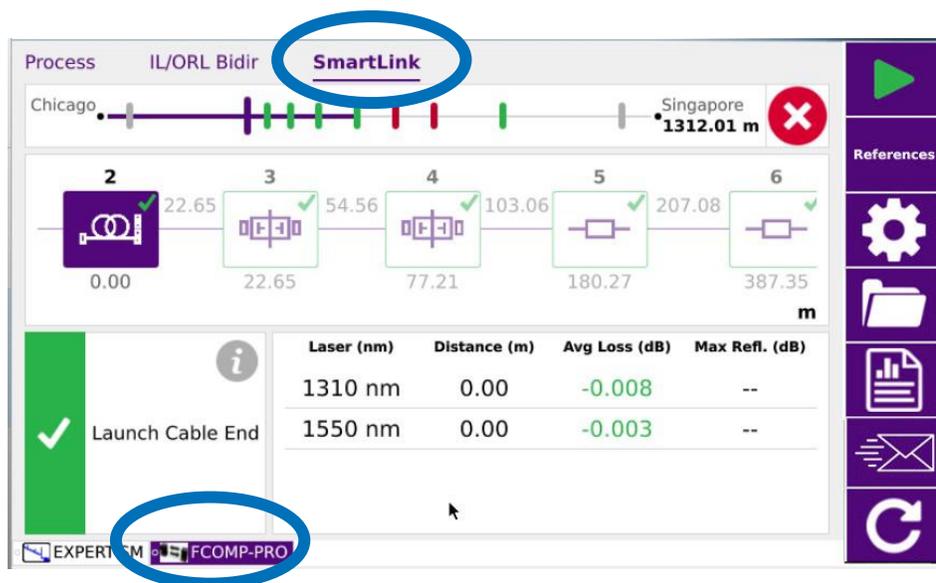


* Automatic process

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Scenario 2: ADD MARKER [Event code] + LOCK ALL MARKERS

1-Analyze SLM Bi-directional OTDR analysis



In FCOMP-PRO app, go to SmartLink tab to analyze all markers/ events code.

If a marker event is missing, go to Expert OTDR app to add it.

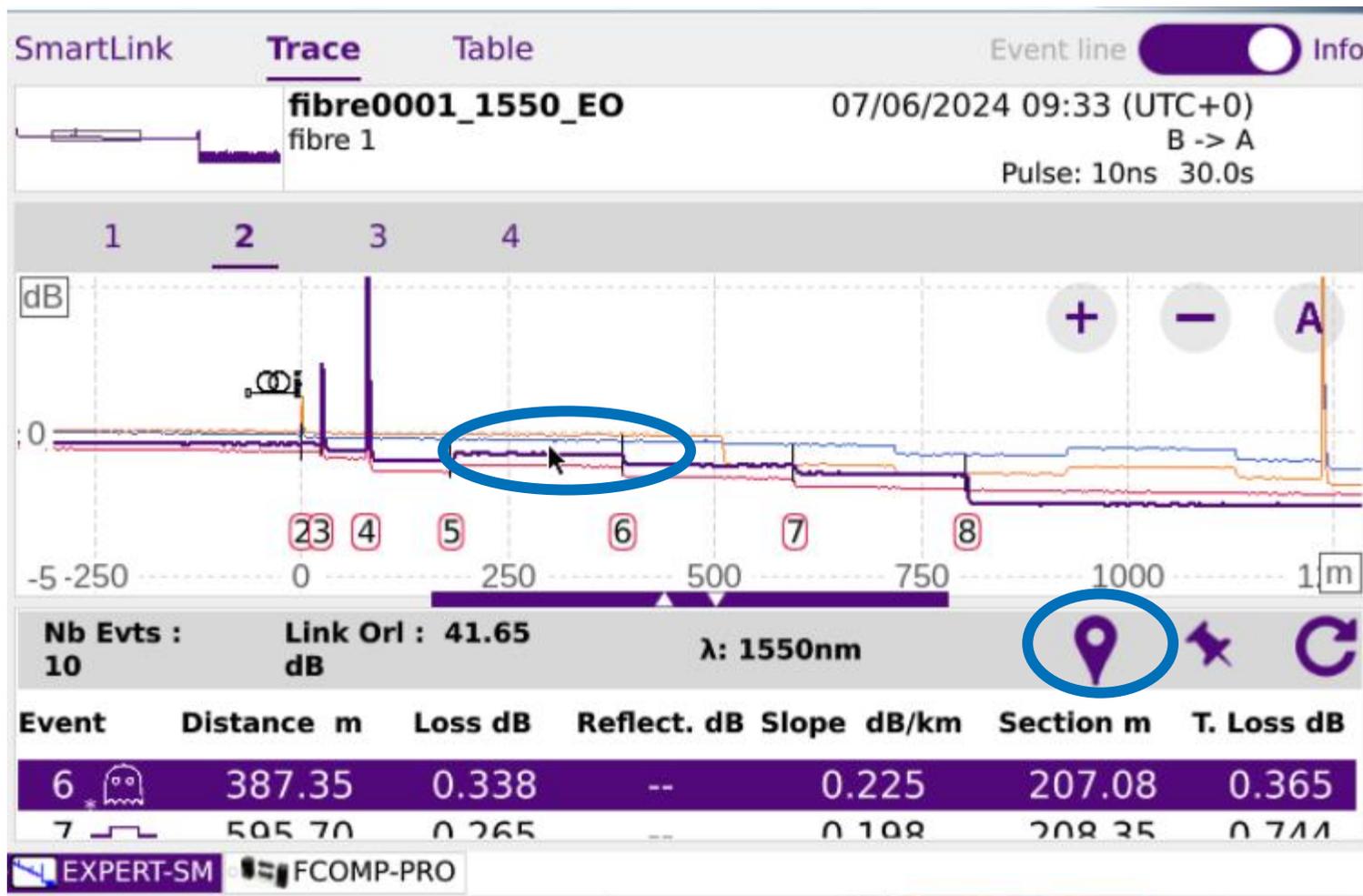
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Scenario 2: ADD MARKER [Event code] + LOCK ALL MARKERS

2-Add Markers on all Traces- All wavelengths- One direction only

A-In EXPERT-OTDR app,

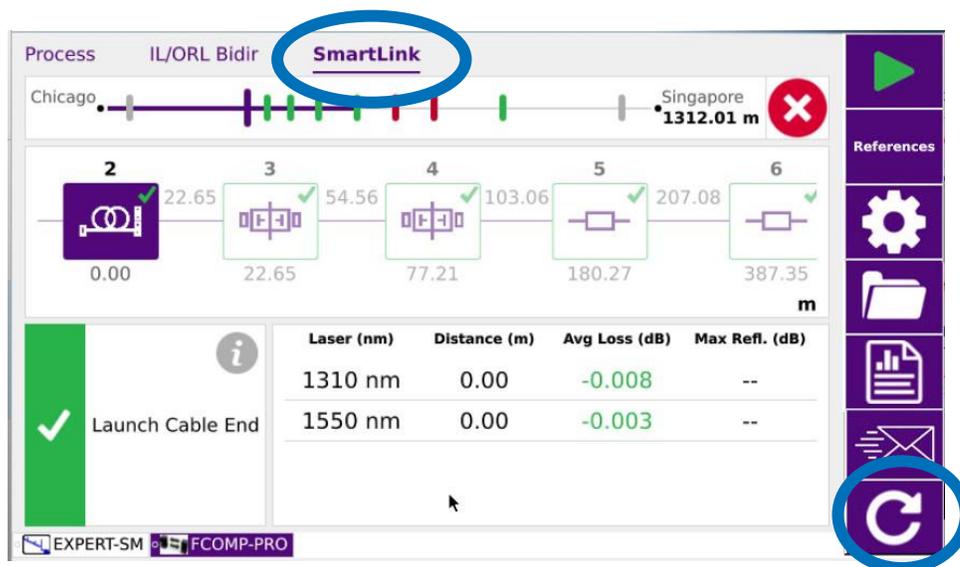
- Go to Trace tab, select the trace where the missing event can be very precisely positioned.
- Position the cursor at the correct distance. 
- Press the Event icon.
 - *A new Marker is automatically added. (Modify Event code if needed)
- Repeat on all wavelengths from the SAME direction. Do NOT repeat on the opposite direction.



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Scenario 2: ADD MARKER [Event code] + LOCK ALL MARKERS

3*- Update all OTDR results, raw data & reports with [Replay trueBIDIR] function



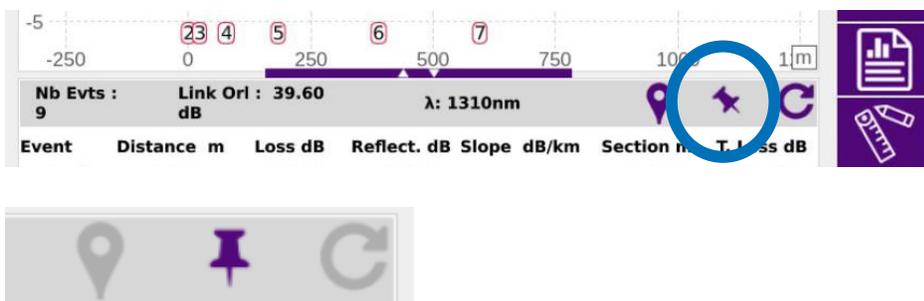
In FCOMP-PRO app, go to **SmartLink** tab and press [Replay TrueBIDIR].

➤ Bi-directional OTDR analysis, all individual traces (all wavelengths, all directions) and raw files & reports are automatically updated.

4- Lock the markers

In EXPERT-OTDR app, press on the Lock Marker pin.

➤ When the pin stands in vertical position, all markers are locked for the next acquisitions.



5- Press Start for next acquisitions (in Fcomp-PRO app)

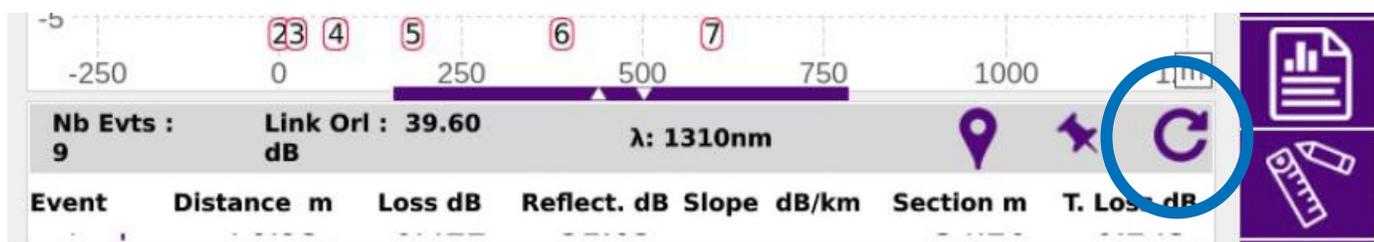
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TIPS

Remove a Marker:

press the circled arrow icon on each trace (from one direction only)

Replay TrueBIDIR to update Bi-directional OTDR analysis, all individual traces (all wavelengths, all directions) and raw files & reports



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**Recommendation: TrueBIDIR + short pulse Bidir.
MODIFY MARKER [Event code] + LOCK ALL MARKERS
ADD MARKER + LOCK ALL MARKERS**

- ▶ Modify or add a marker is possible on the Short Pulse traces. Same process as described in the previous pages can be followed.
- ▶ Limitation: Lock markers function does not capture any manual events (modified/ added) from the short pulses Traces.