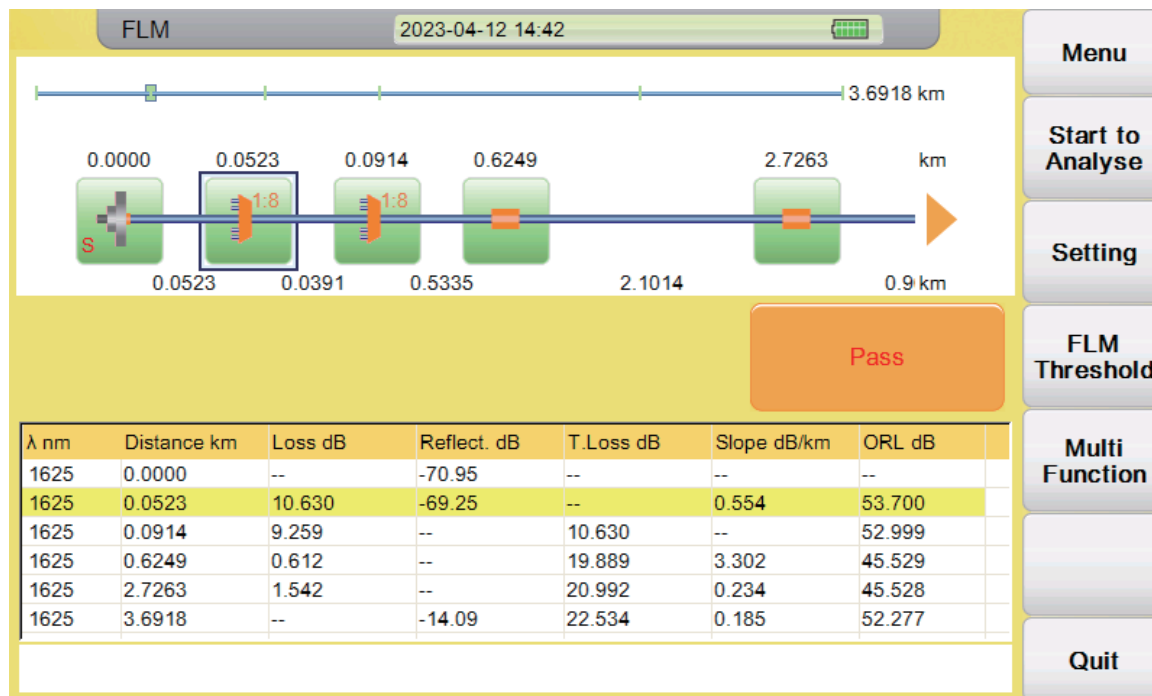


Intelligent Fiber Link Map (FLM)

Based on OTDR principle, automatic pulse width configuration, more accurate fiber link testing



FLM is a more advanced and intelligent OTDR test, combined with new hardware and advanced algorithms. With just one button, it can automatically perform multiple pulse width tests and merge analysis, Complete the detection of fiber optic links with higher dynamics and resolution.

Main Features:

Adaptively adjust multiple pulse width tests based on link, merge and analyze

No complex settings, testing can be completed with just one button

No need to analyze curves, test results are displayed through icons, simple and clear

Comprehensive fiber optic fault diagnosis and analysis

User-defined Pass/Fail function and automatic FLM reports generation

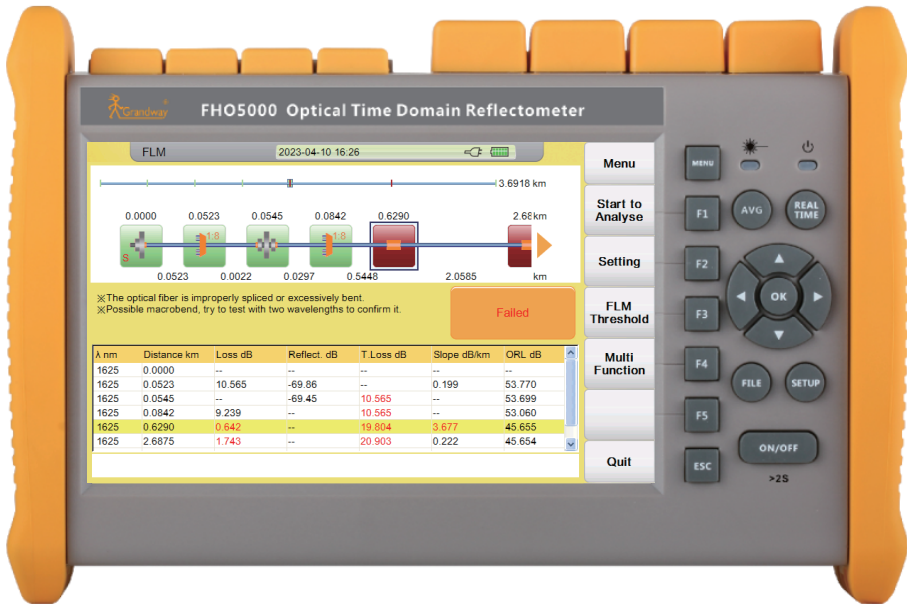
Suitable for PON network analysis, can pass through up to 1x128 splitters

Splitter identification, shortest distance between splitters is as short as 30m

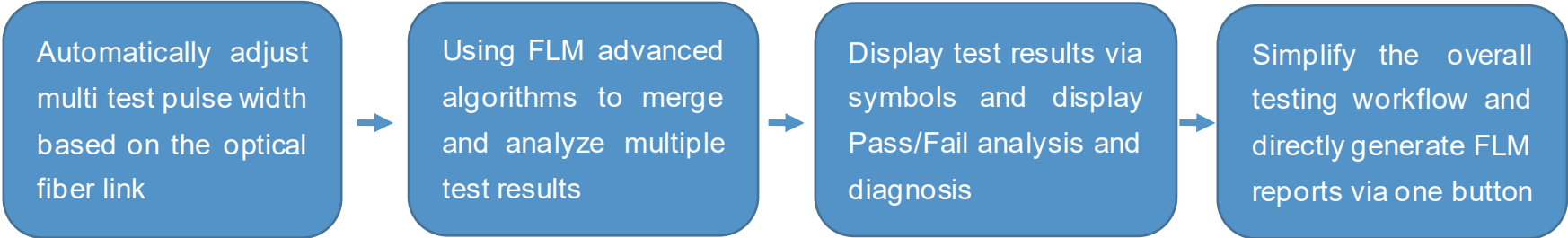


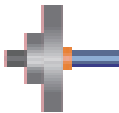
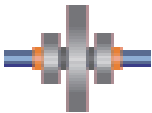
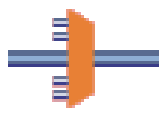
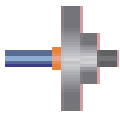
FLM ---Beyond OTDR Testing

- ✖ *Complex OTDR curve testing setup*
- ✖ *Error Analysis of OTDR Curve*
- ✖ *Inaccurate single pulse width test of OTDR*
- ✖ *Unable to directly generate test report*



FLM-Farewell to traditional OTDR methods

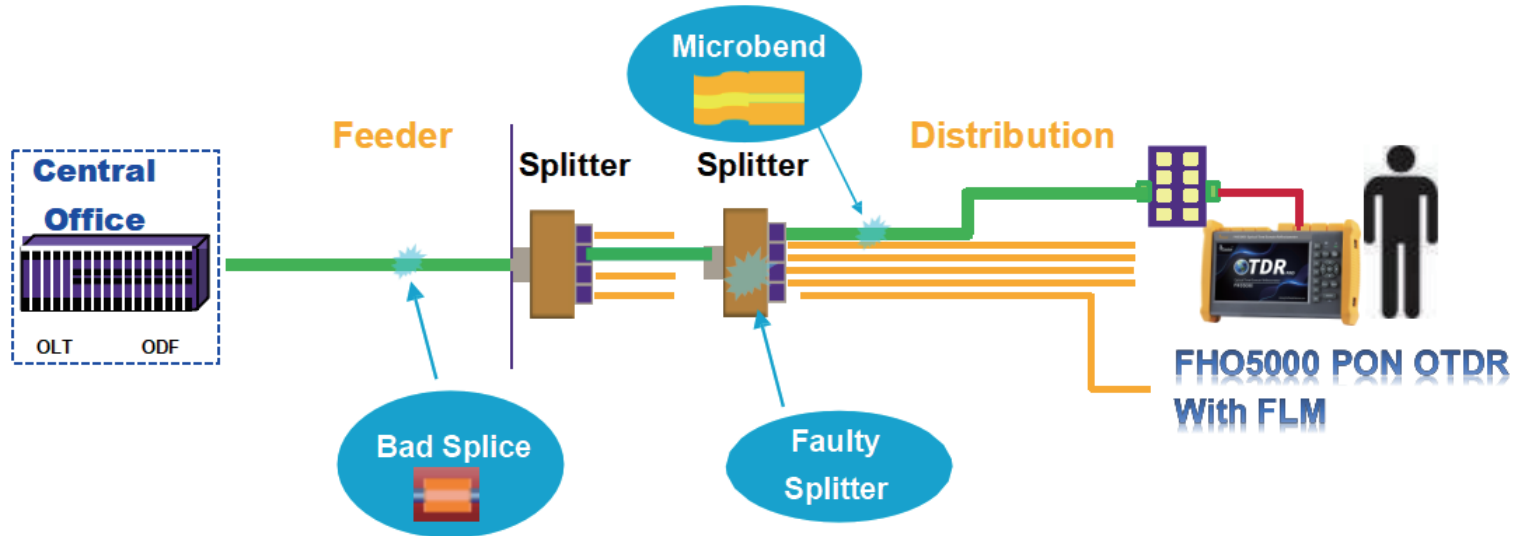


Start Point	Connector	Fusion Splice	Bending Point	Splitter	End Point
					

PON TESTING SOLUTION—FLM IS READY

Q:How to simplify PON fiber link testing and troubleshooting, validate network performance quicker and improve workflow efficiency?

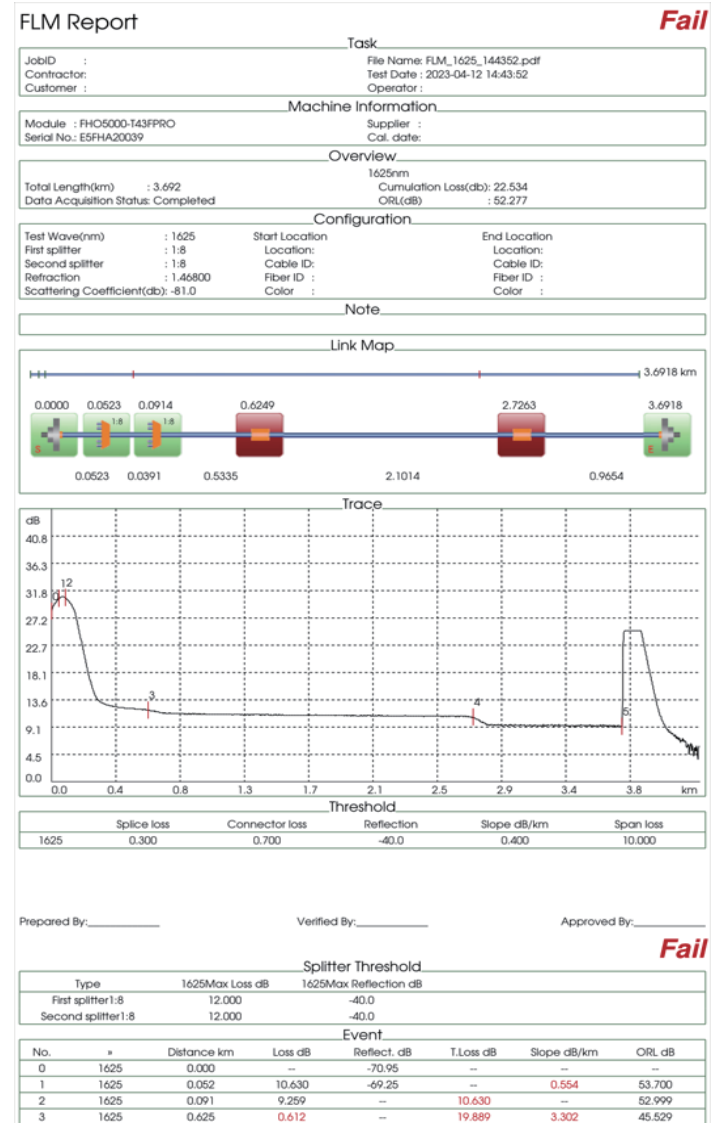
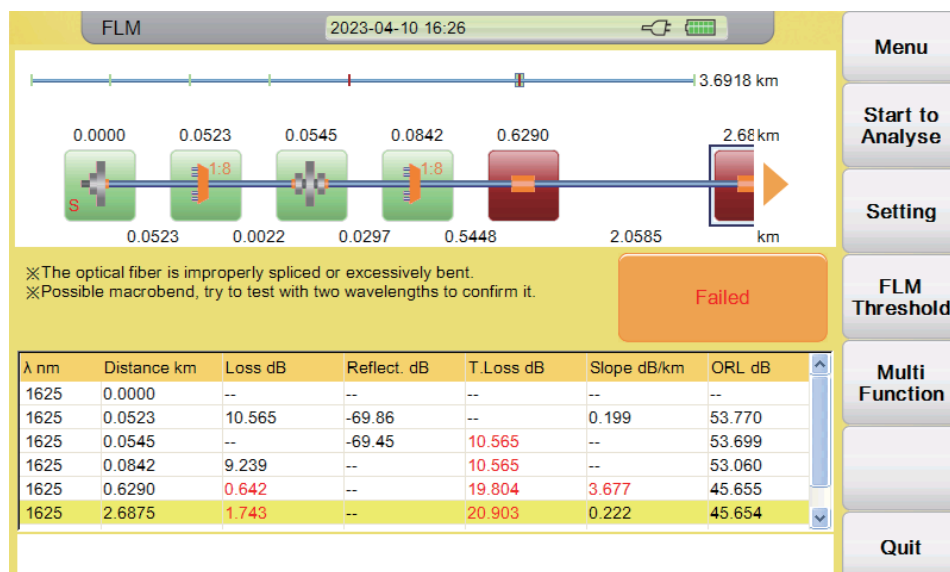
A:FLM(Fiber link Map) give you the answer. Solve all the challenges in PON Testing!



Challenges

- High dynamic range to pass through splitter to test from ONT to the Central Office (OLT)
- Filtered online service signal if live network
- Splitter identification, eg.1x8 PLC+1x8 PLC
- Short deadzones to detect the small events in PON
- Accurate ODN distance and loss measurement

FLM IS READY

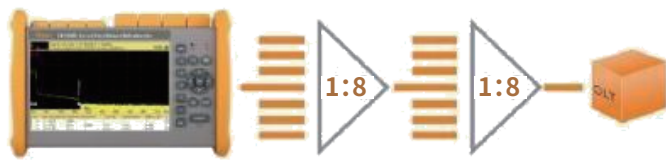


FLM Test Report

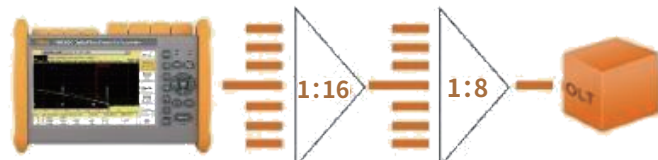
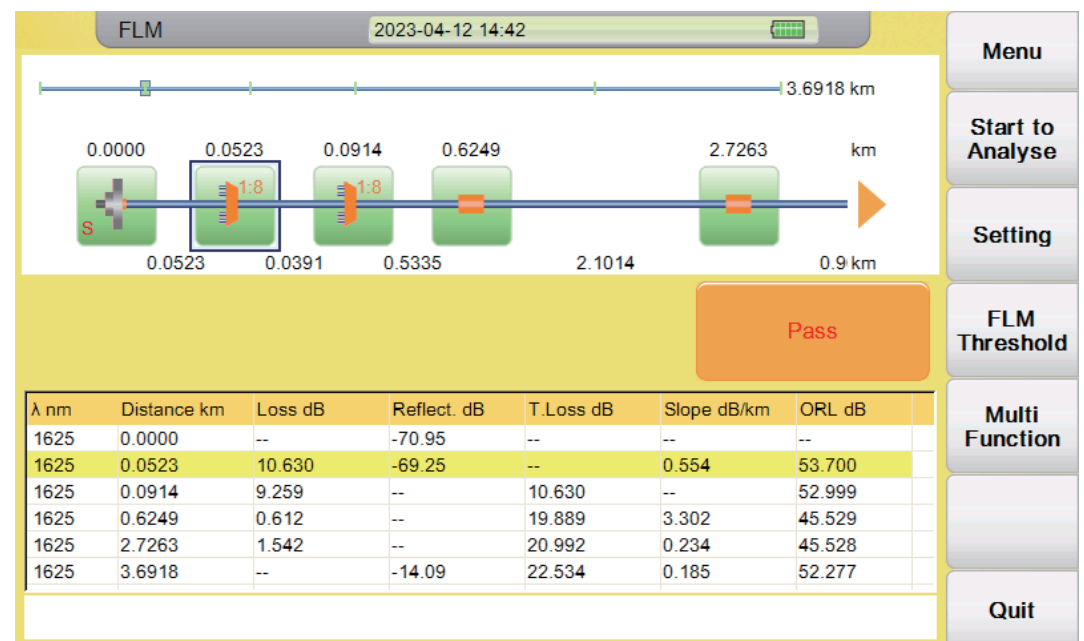
Optimized PON test capability through FLM

FHO5000 PON series(T40F/T43F/T45F) with FLM function, adopt multi pulse width test mode, users can automatically test without complicated settings to obtain the most accurate and intuitively test results. In a typical scenario of two 1x8 splitters, the shortest distance between splitters can be as short as 30m. (Link condition: No reflection FUT, No reflection splitter.)

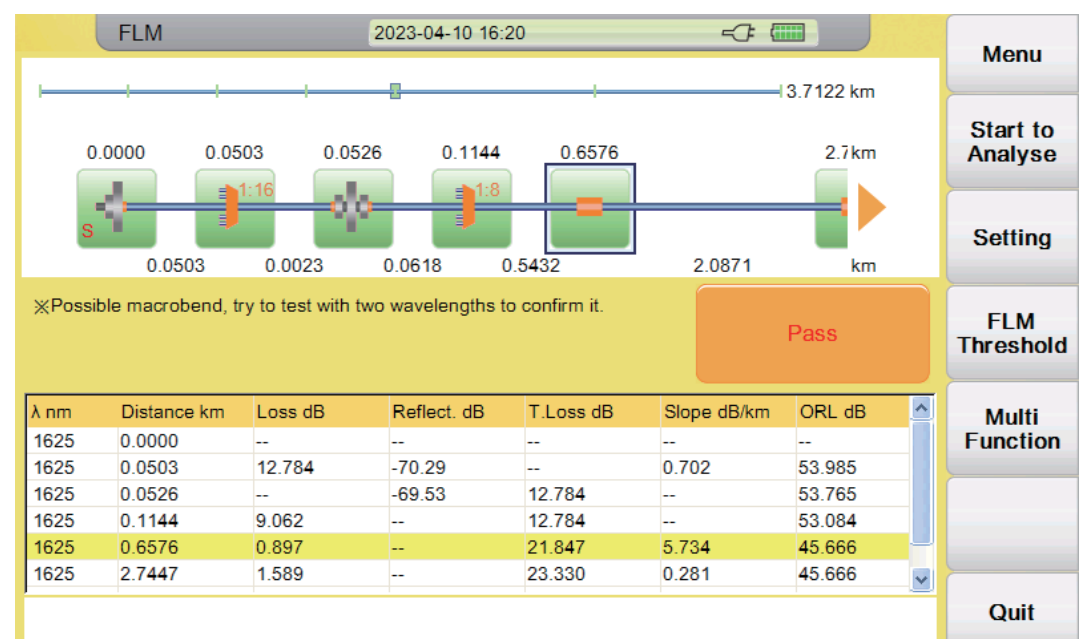
Two Level Splitter Testing Scenario



1x8+1x8 Splitter identification
(30m between two splitters)

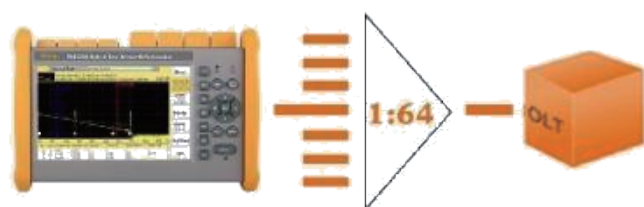


1x16+1x8 Splitter identification
(60m between two splitters)

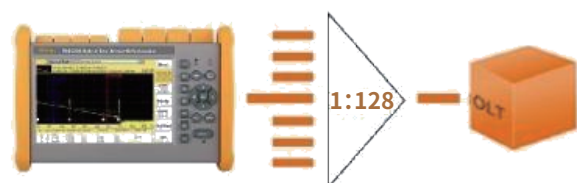
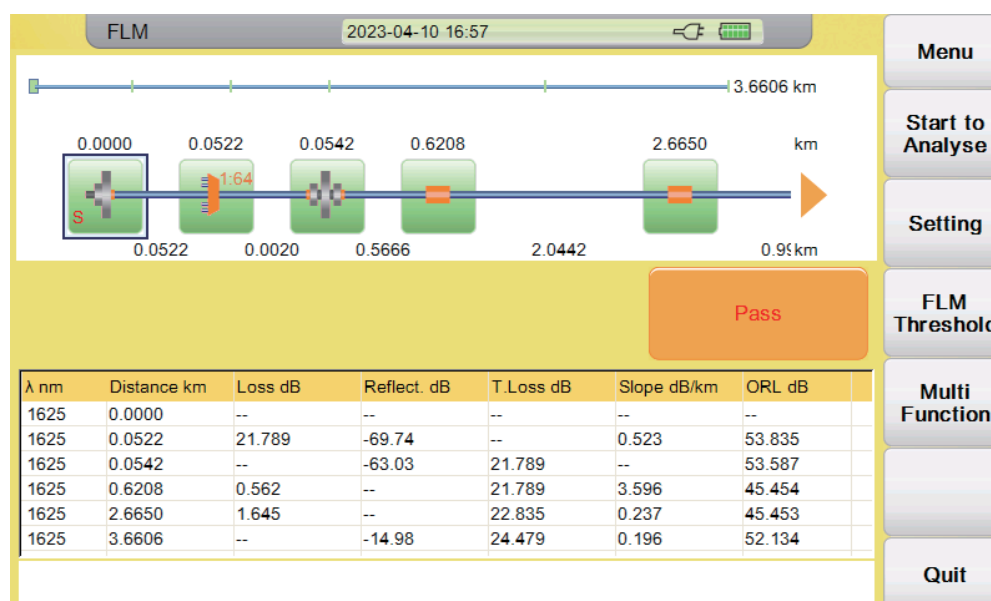


One Level Splitter Testing Scenario

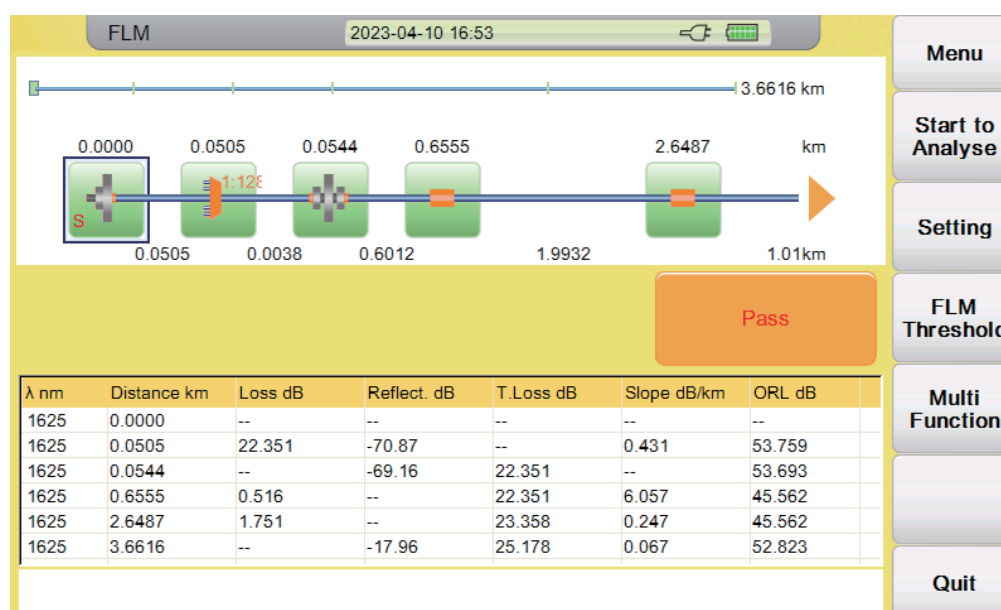
FHO5000 PON series(T40F/T43F/T45F) with FLM function can pass through 1x64, even 1x128 splitter. With enough dynamics range and small PON deadzone to accurately describe the overall structure of PON network.



1x64 Splitter identification



1x128 Splitter identification



Specification

FLM	Suitable for FHO5000 Series OTDR
PON deadzone	30m ^{*1}
Splitter identification	1x2, 1x4, 1x8, 1x16, 1x32, 1x64, 1x128
Maximum splitter ratio	1x128
FLM Report	Supports direct PDF report generation
Intelligent Algorithms	Multiple pulse widths, merge and analyze

***1 PON deadzone definition: No reflection FUT, no reflection splitter, 10 dB loss, 50 ns pulse, typical value**