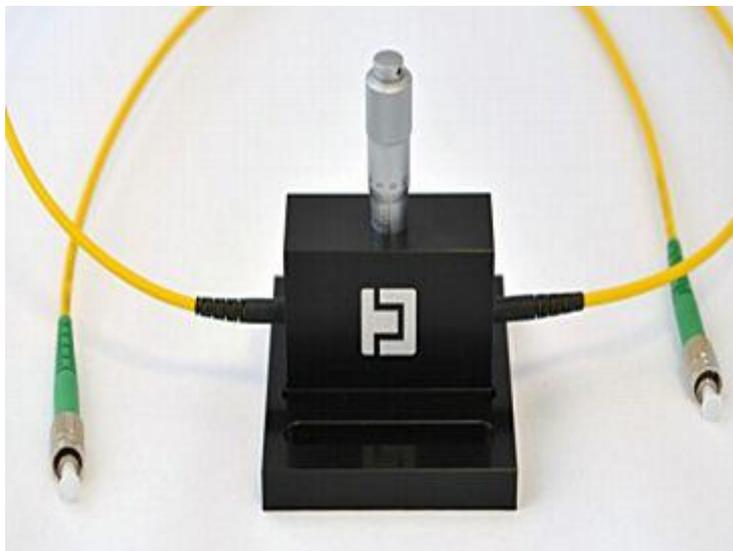


C 波段可调谐光纤光栅滤波器 1545-1560nm



产品描述

这款手动可调谐光纤光栅滤波器用于手动调整 1550nm 区域内的中心波长（C 波段）。Max. 可调谐范围大于 15nm。该滤波器是基于 FBG 光纤光栅的压缩来实现的，通过手动调节千分尺旋钮，可以对 FBG 进行压缩或拉伸。调谐分辨率可达 70pm。

产品特点

手动可调、调谐范围 > 15nm、可根据客户要求 in C 区（1520-1570 nm）选择中心波长、光谱宽度（FWHM）0.2 至 0.5 nm，可定制、调谐分辨率 70pm

产品型号

TOF1-1550-20-3-1-1-2

应用领域

从宽带光源中选择波长

噪声抑制

例如

用于在具有可调波长的 EDFA 放大器和传输系统中

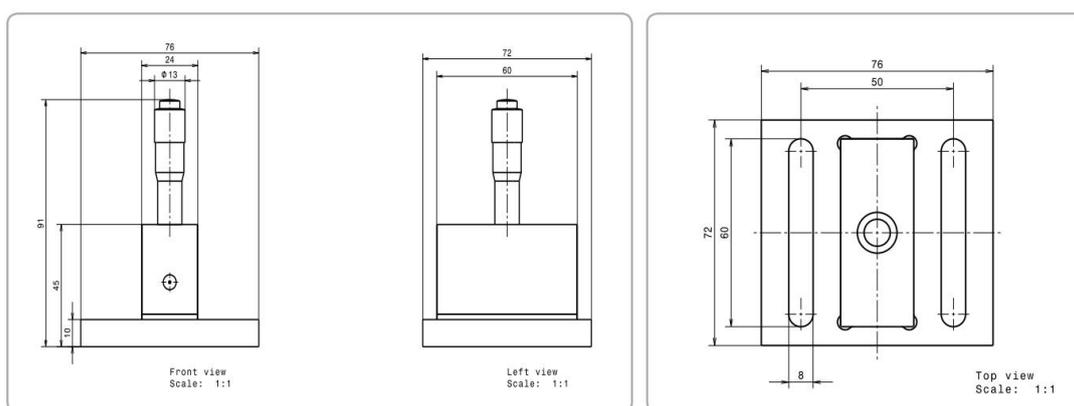
xWDM 系统中的电信信道选择

实验室测试和科学实验

主要参数

工作波长	带宽	反射率
1545-1560nm	0.2nm	50%

尺寸图



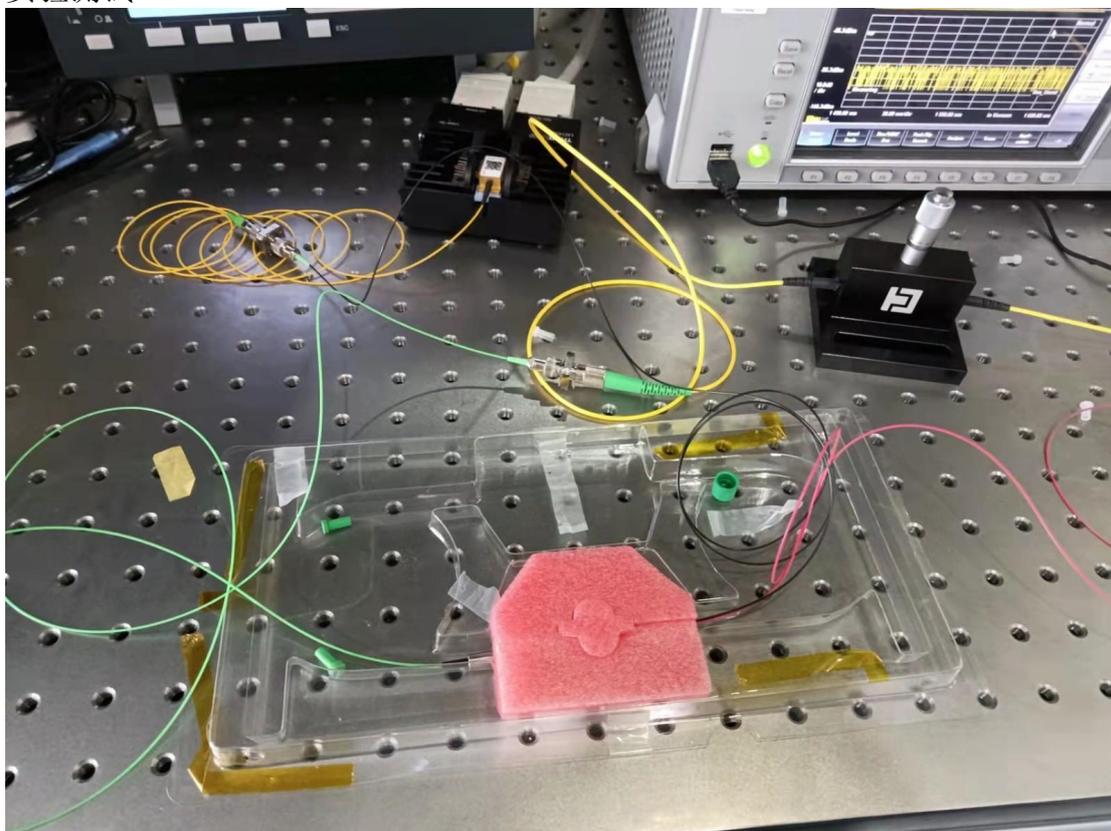
核心参数

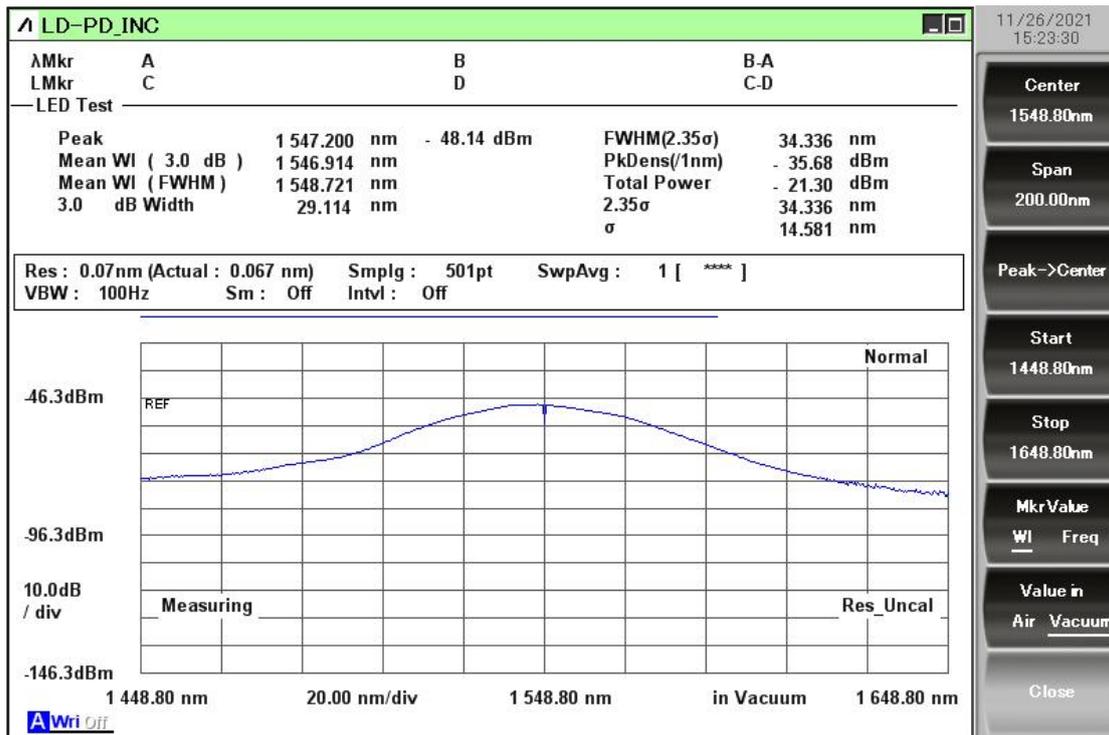
参数	数值
调谐范围	> 15 nm
中心波长	在 C 波段中可选
FWHM	Optional 0.2 – 0.5 nm (± 0.05 nm)
反射率	5 – 90 % (± 5 %)
插入损耗	3.5 dB*
可调谐分辨率	70pm
PDL	< 0.5 dB

Max. 光输入功率	> 500 mW
工作温度范围	10 - 40 °C
光纤类型	SMF G.657.A2
光纤长度	0.5 or 1 m

特性曲线

实验测试



测试结果


Center
1548.80nm

Span
200.00nm

Peak->Center

Start
1448.80nm

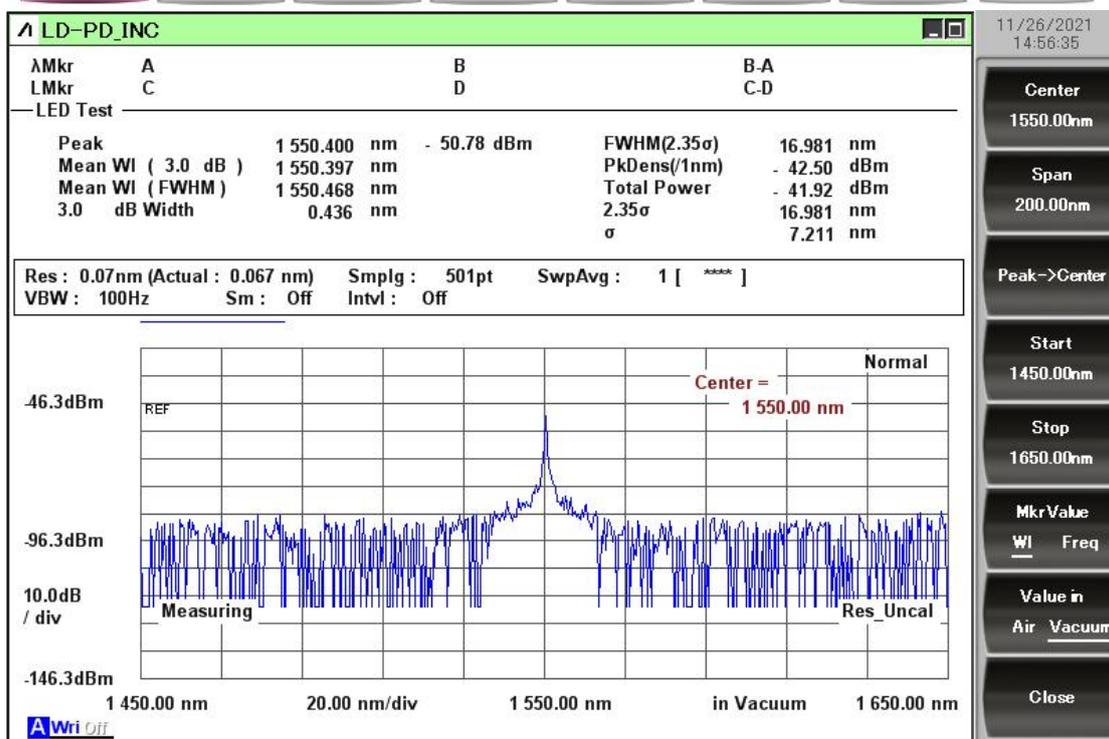
Stop
1648.80nm

MkrValue
Wl Freq

Value in
Air Vacuum

Close

Wave-length | Level Scale | Res/VBW/Avg | Peak/Dip Search | Analysis | Trace | Application



Center
1550.00nm

Span
200.00nm

Peak->Center

Start
1450.00nm

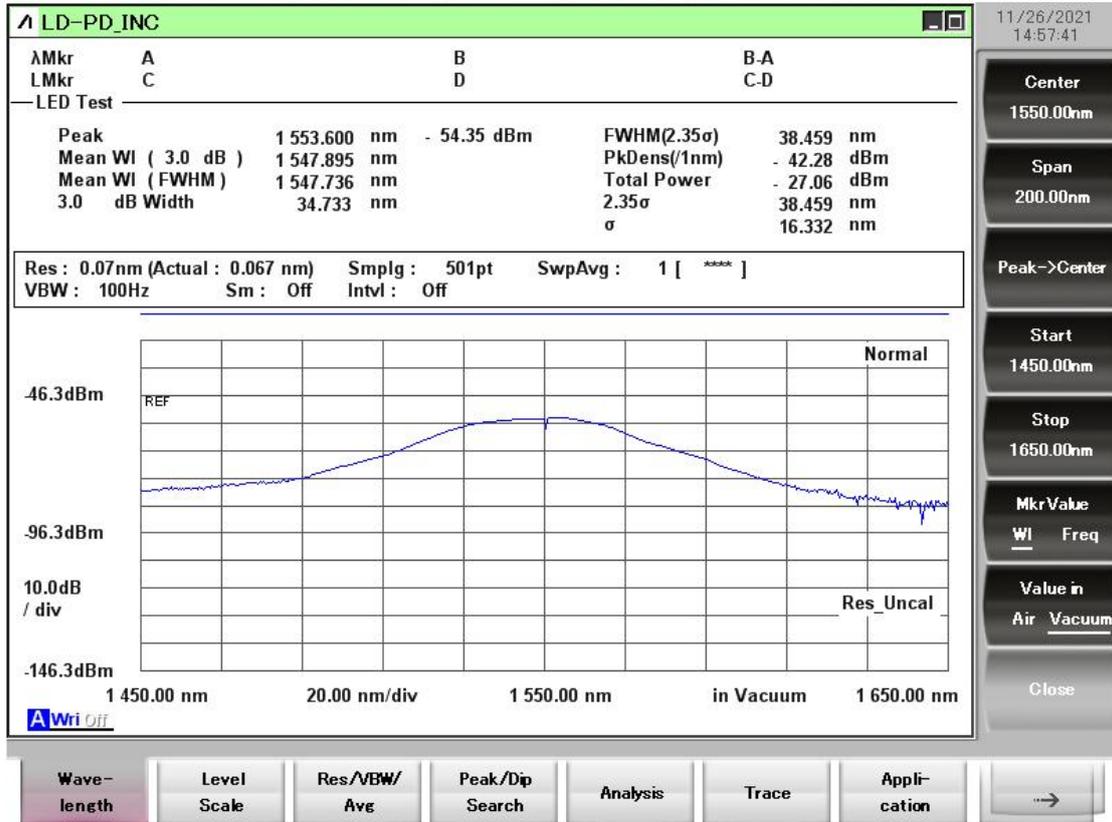
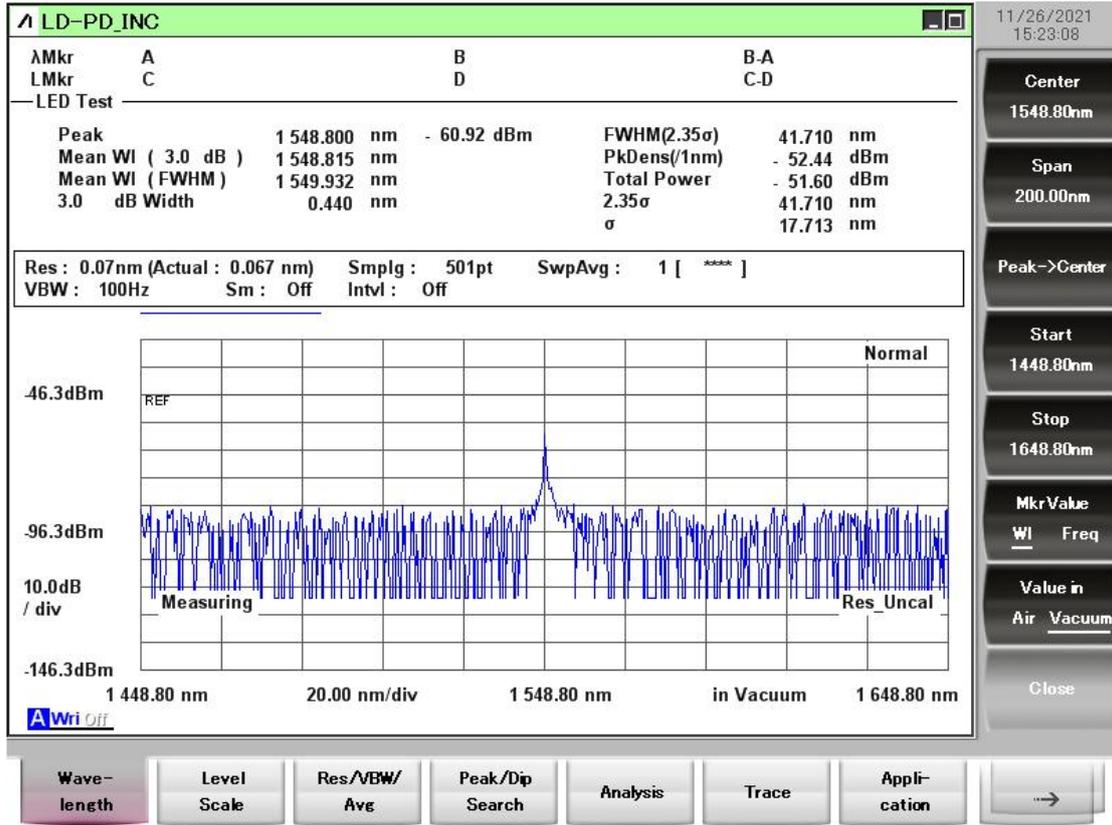
Stop
1650.00nm

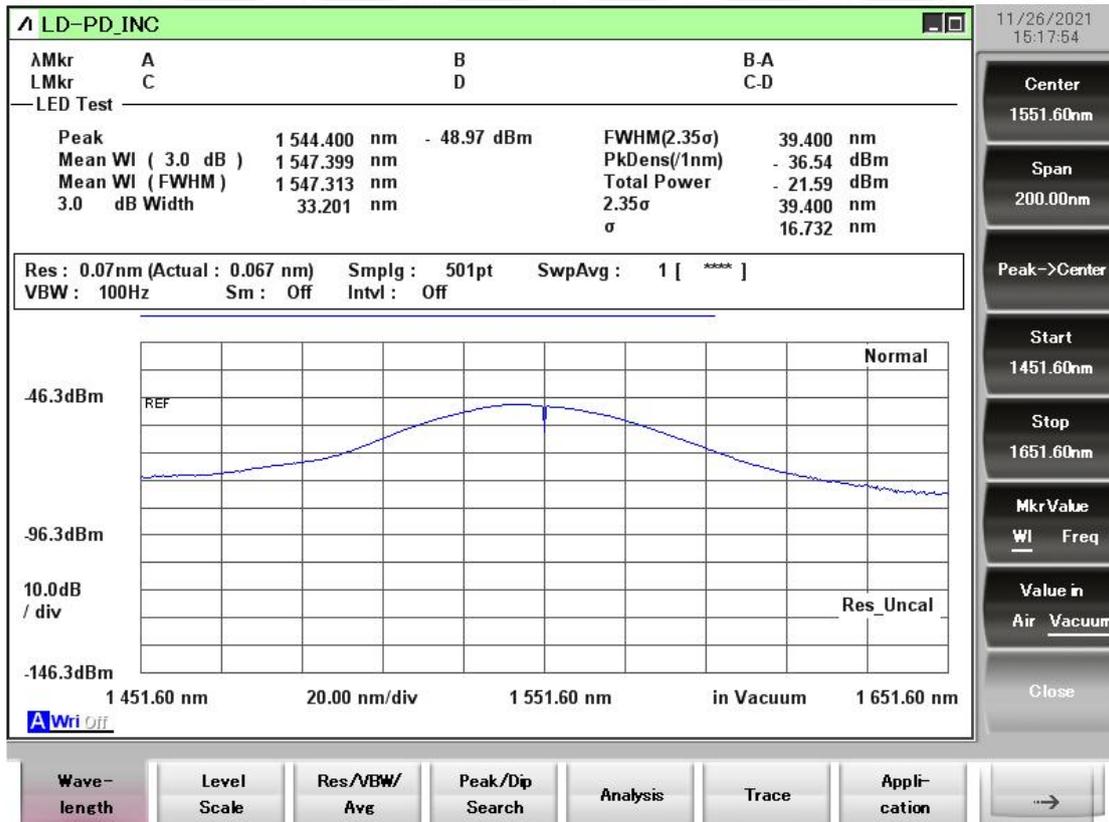
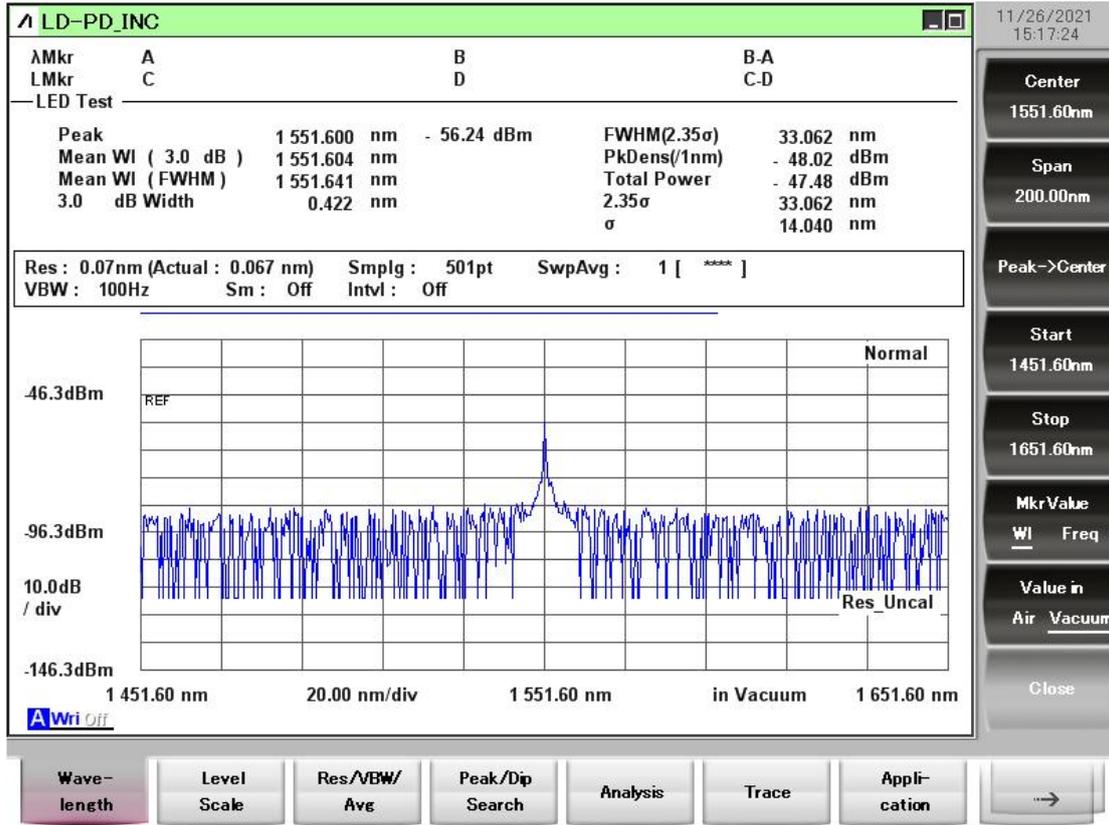
MkrValue
Wl Freq

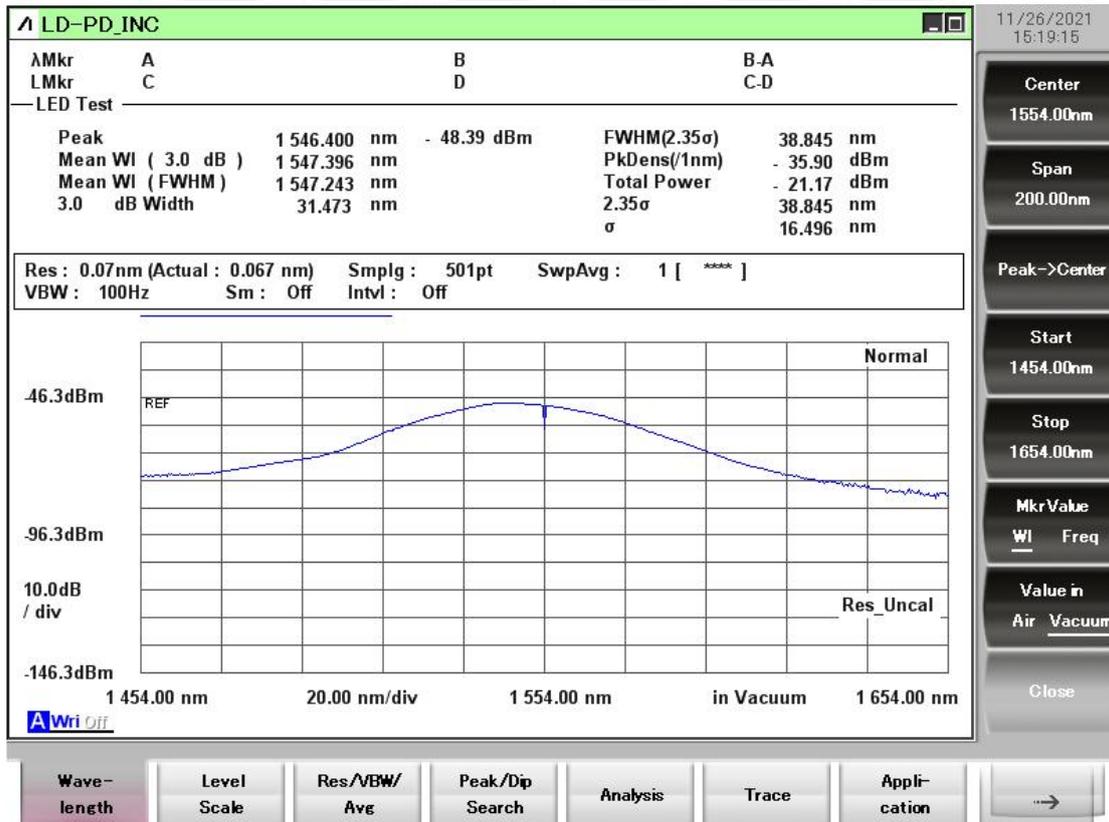
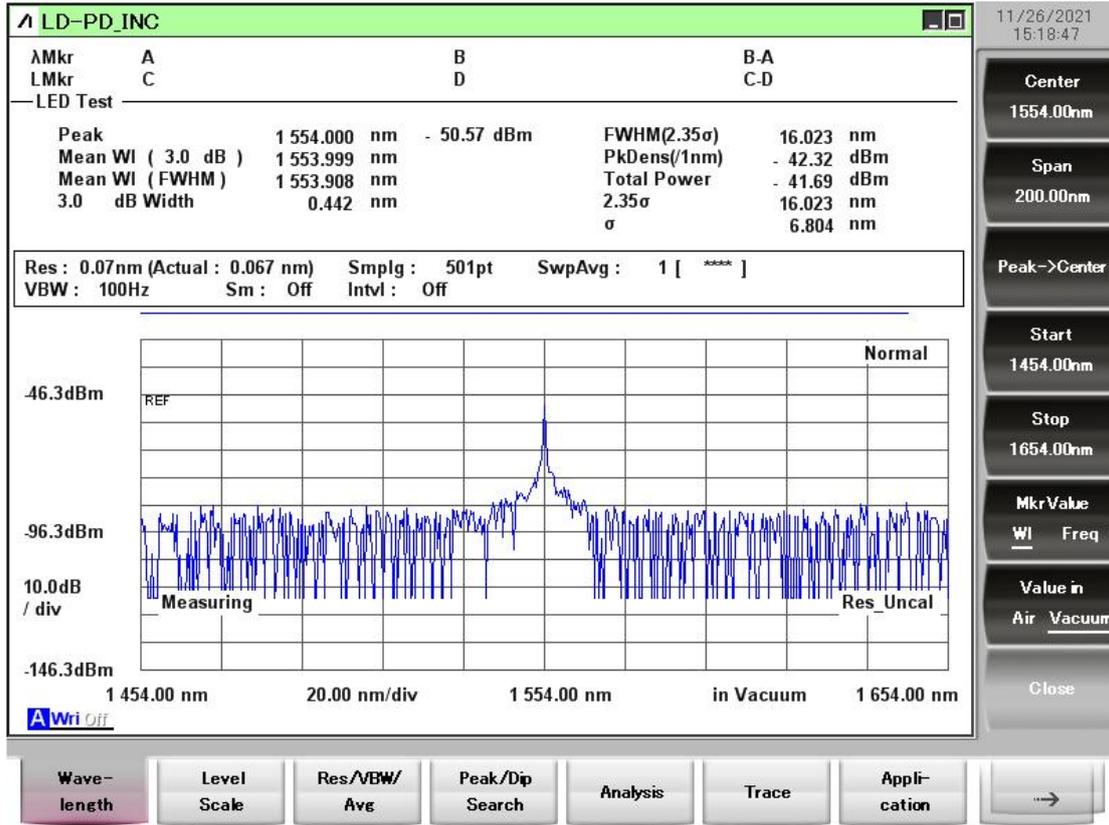
Value in
Air Vacuum

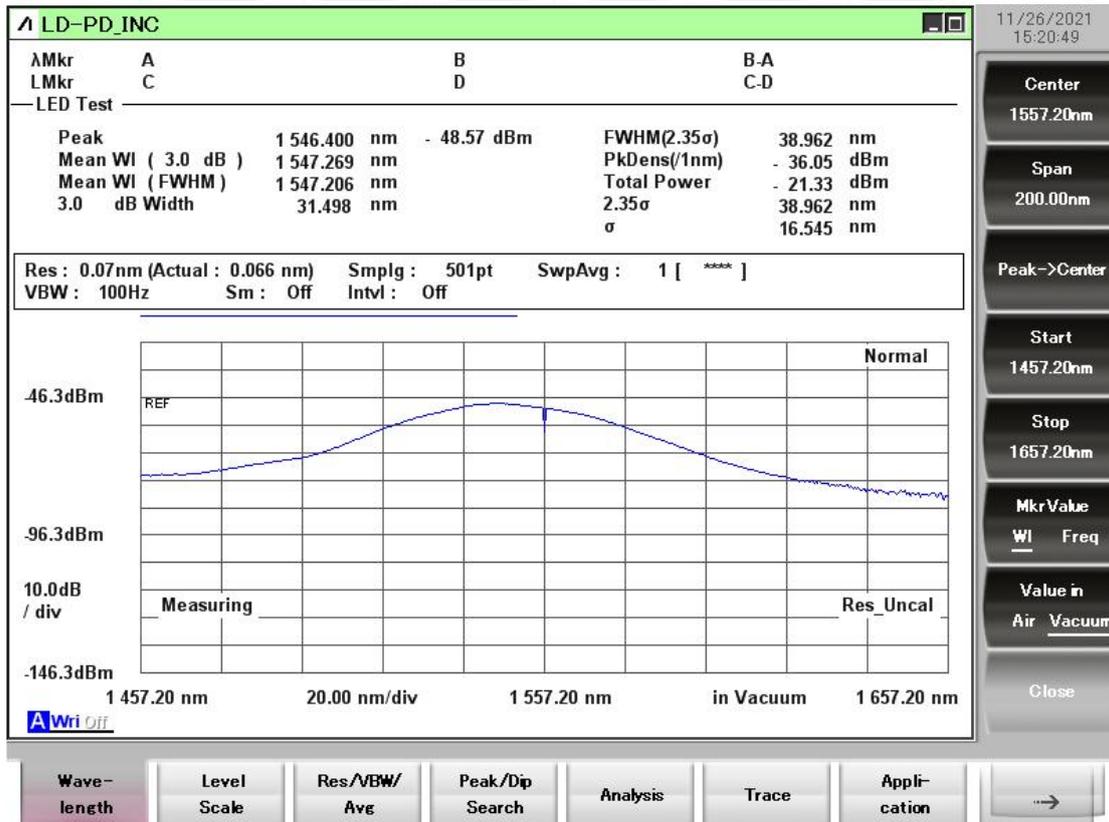
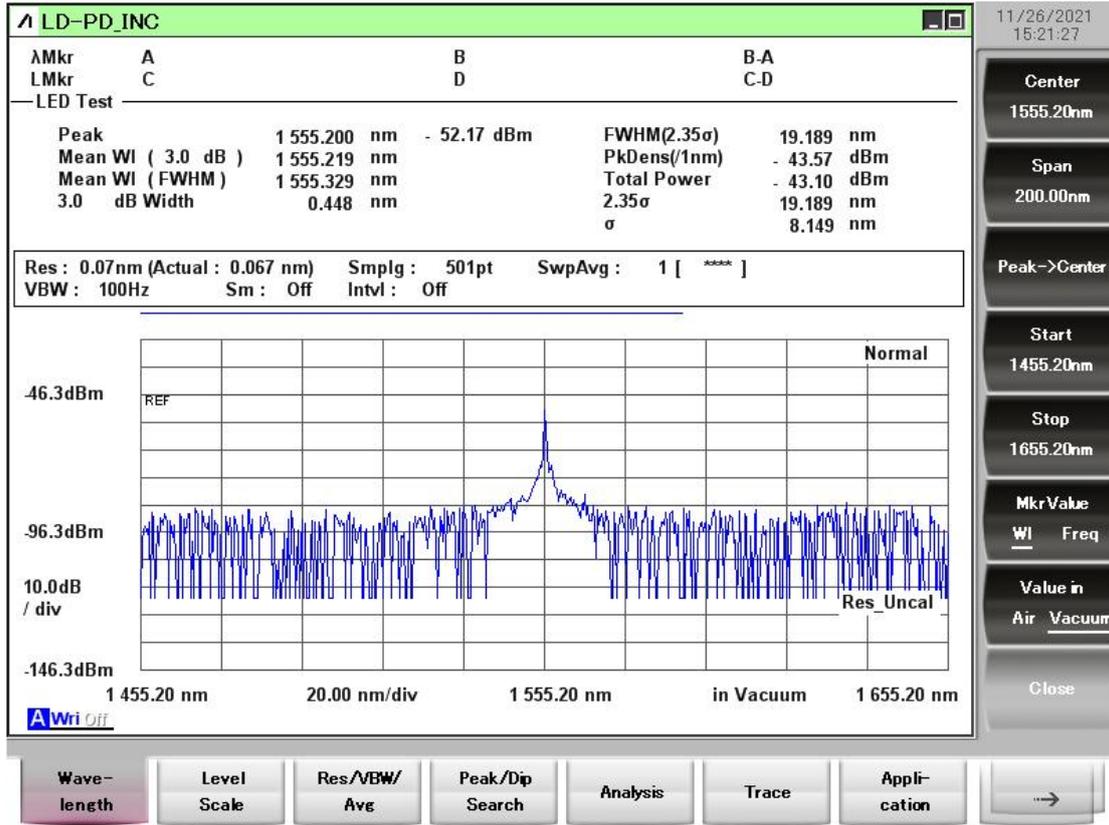
Close

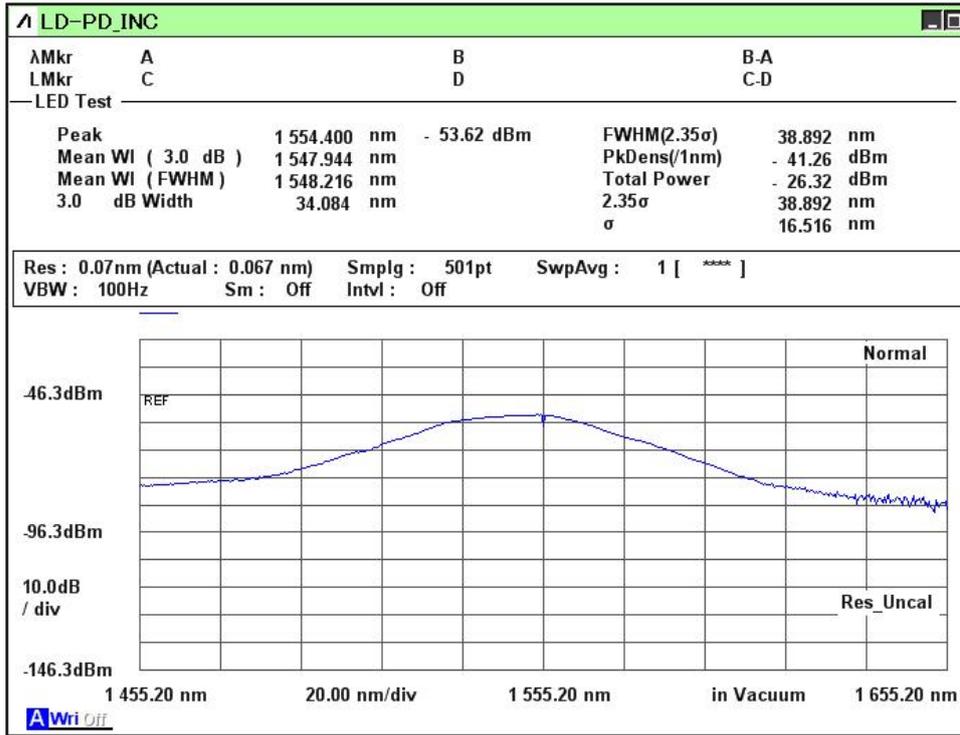
Wave-length | Level Scale | Res/VBW/Avg | Peak/Dip Search | Analysis | Trace | Application











11/26/2021 15:21:53

Center 1555.20nm

Span 200.00nm

Peak->Center

Start 1455.20nm

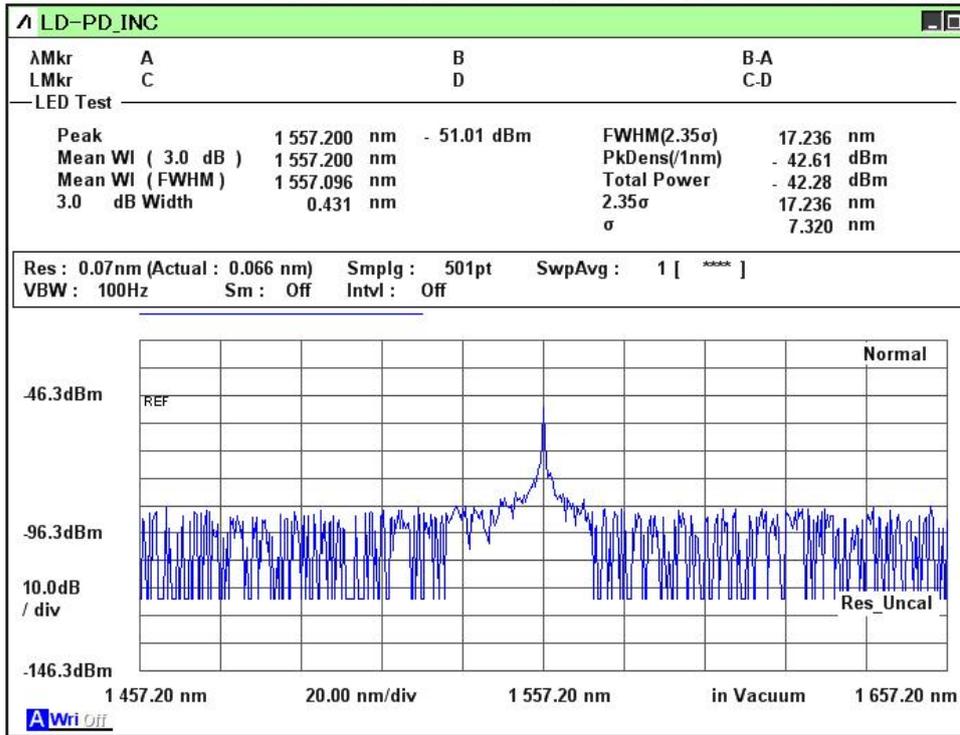
Stop 1655.20nm

MkrValue WI Freq

Value in Air Vacuum

Close

Wave-length Level Res/VBW/Avg Peak/Dip Search Analysis Trace Application



11/26/2021 15:20:25

Center 1557.20nm

Span 200.00nm

Peak->Center

Start 1457.20nm

Stop 1657.20nm

MkrValue WI Freq

Value in Air Vacuum

Close

Wave-length Level Res/VBW/Avg Peak/Dip Search Analysis Trace Application

订购信息

TOF1 - 1550 - 20 - X - X - X - X

Tuning range

1	1520 – 1540 nm
2	1530 – 1550 nm
3	1540 – 1560 nm
4	1550 – 1570 nm

FWHM

1	0.2 nm
2	0.3 nm
3	0.4 nm
4	0.5 nm

Reflectivity

1	50 %
2	5 – 90 % (customer defined)

Connector type

1	FC/PC	4	LC/PC
2	FC/APC	5	LC/APC
3	SC/PC	6	No connector
4	SC/APC		