

Tested by: CW
Inspected by: RS

Date: August 9, 2022

Summary of Test Data

Parameter*	Value	Unit
Operating Current	750	mA
Center Wavelength	1549.16	nm
Output Power	102	mW
Linewidth	78.8	Hz
Side Mode Suppression Ratio (SMSR) at Operating Current	70	dB

* Measurement conditions: Laser chip temperature at 25°C and FBG temperature at 27°C.
Output fiber: PM1550 with FC/APC connector. Laser shipped with default operating current at 750mA.

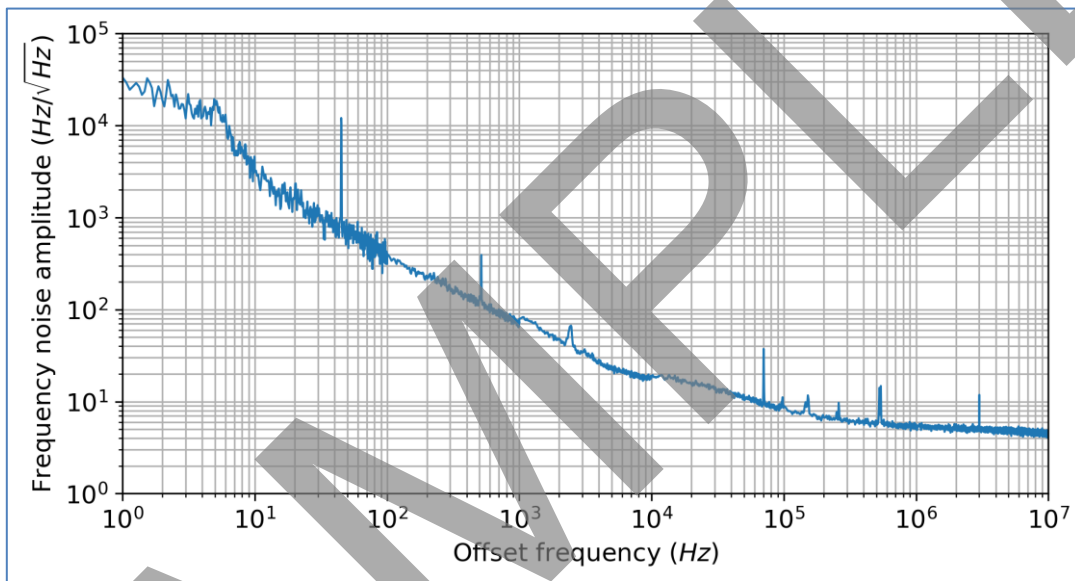


Figure 1 Laser output frequency noise at 750mA pump current. Measured with OE wave 4000 noise analyzer.

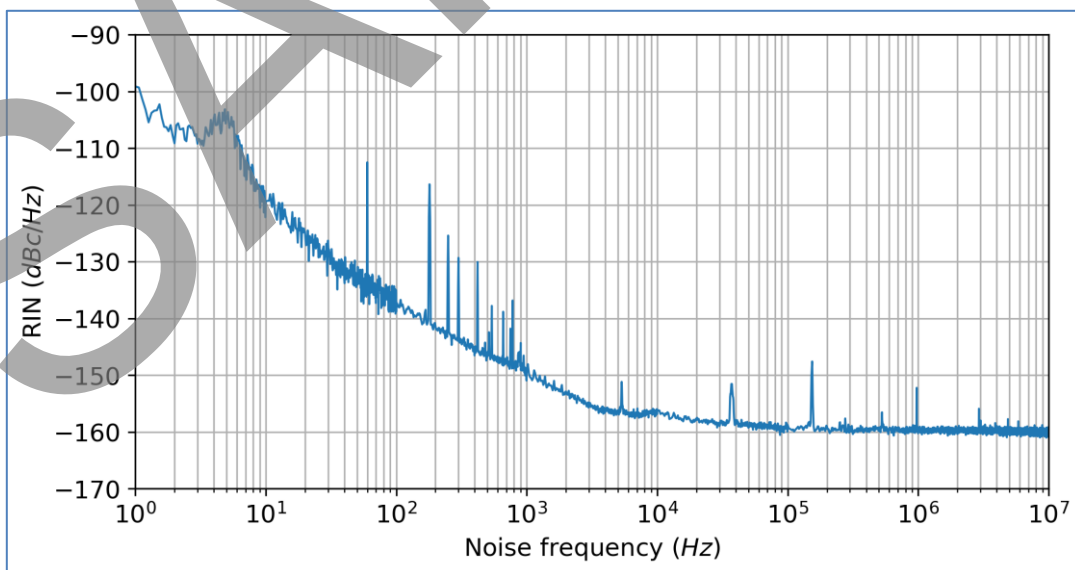


Figure 2 Laser relative intensity noise at 750mA pump current. Measured with OE wave 4000 noise analyzer.

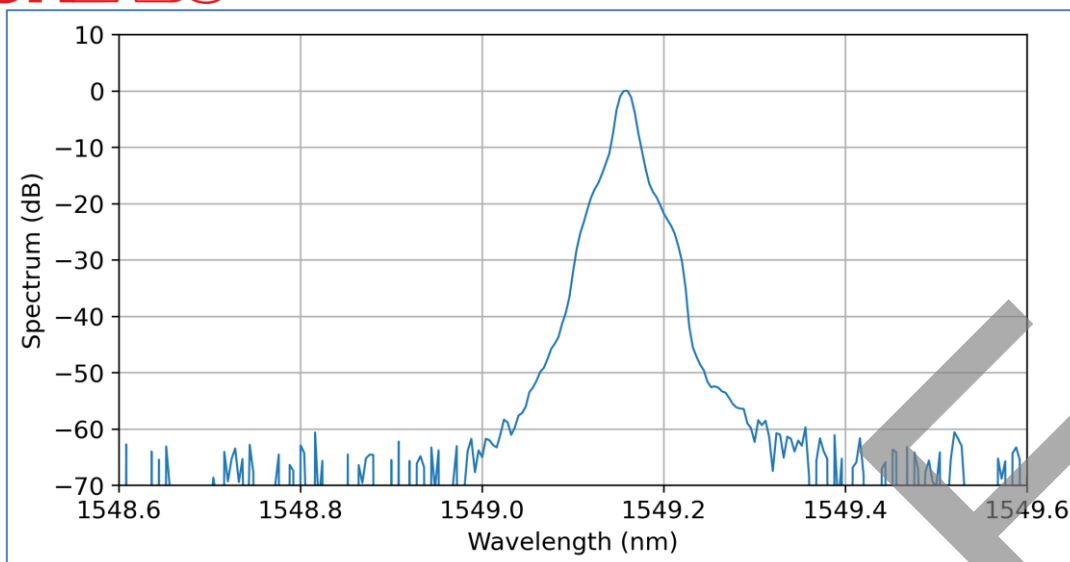


Figure 3 Laser output spectrum at 750mA pump current, measured with Yokogawa AQ6370D OSA, limited by OSA resolution bandwidth 0.02nm.

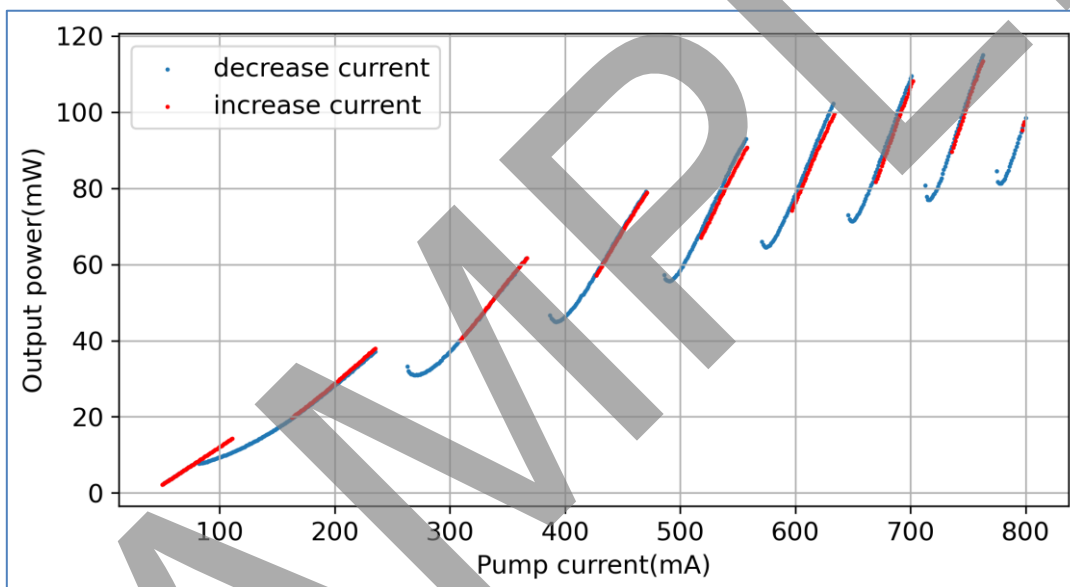


Figure 4 Output power for single-mode only regions, FBG temperate at 27°C.

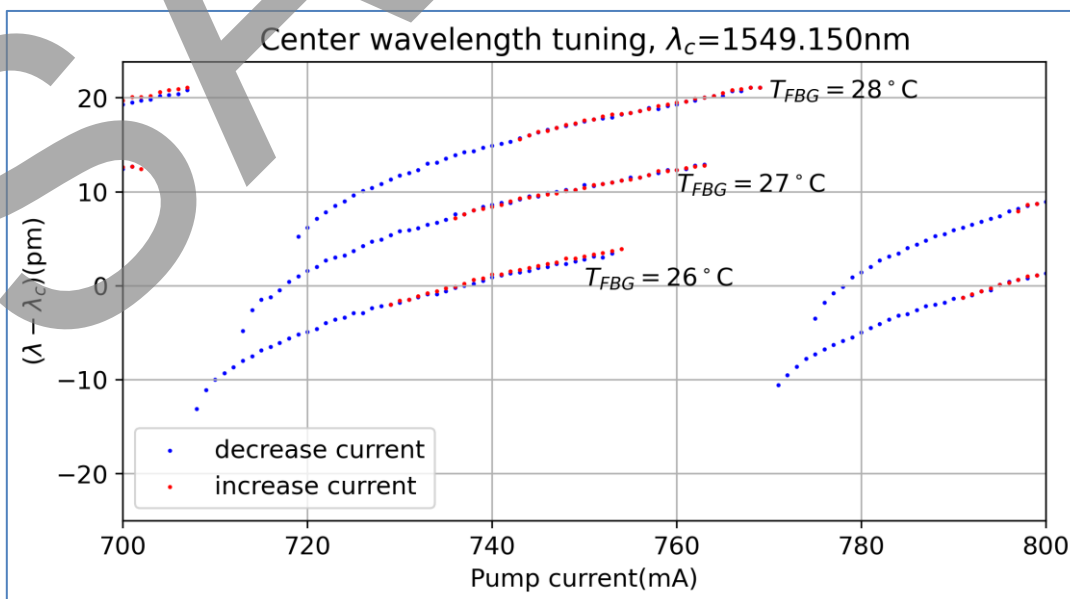


Figure 5 Center wavelength turning with pump current and FBG temperature.