

Tested by: SM  
Inspected by: RS

Date: March 20<sup>th</sup>, 2024

## Summary of Test Data

Parameter*	Value	Unit
Operating Current	800	mA
Center Wavelength	1556.03	nm
Output Power	118	mW
Linewidth	43	kHz
Side Mode Suppression Ratio (SMSR) at Operating Current	63	dB
Slope Efficiency	0.15	W/A
Current Tuning	0.0055	nm/mA
Temperature Tuning	0.102	nm/°C
Polarization Extinction Ratio	31.1	dB

\* Measurement conditions: Laser chip temperature at 25°C  
Output fiber: PM1550 with FC/APC connector. Laser shipped with default operating current at 800mA.

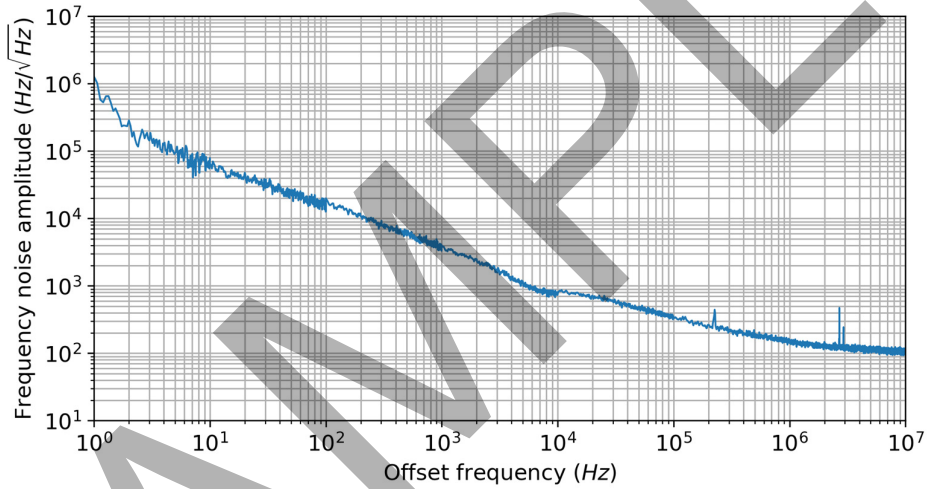


Figure 1 Laser output frequency noise at 800mA pump current. Measured with OE wave 4000 noise analyzer.

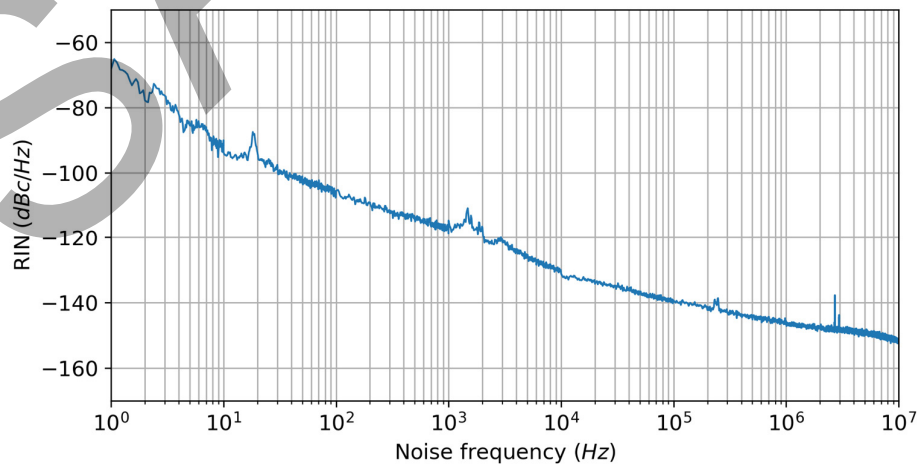


Figure 2 Laser relative intensity noise at 800mA pump current. Measured with OE wave 4000 noise analyzer.

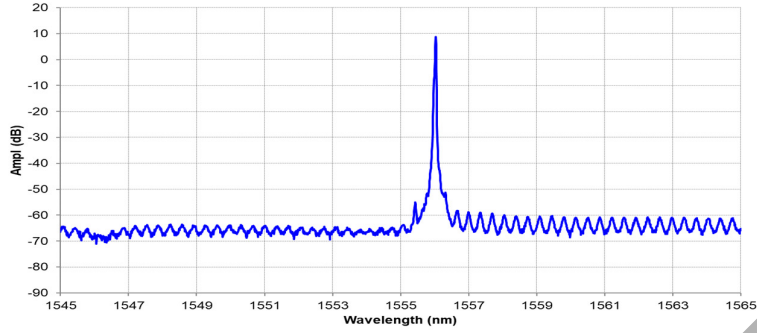


Figure 3 Laser output spectrum at 800mA pump current, measured with Yokogawa AQ6370D OSA, limited by OSA resolution bandwidth 0.02nm.

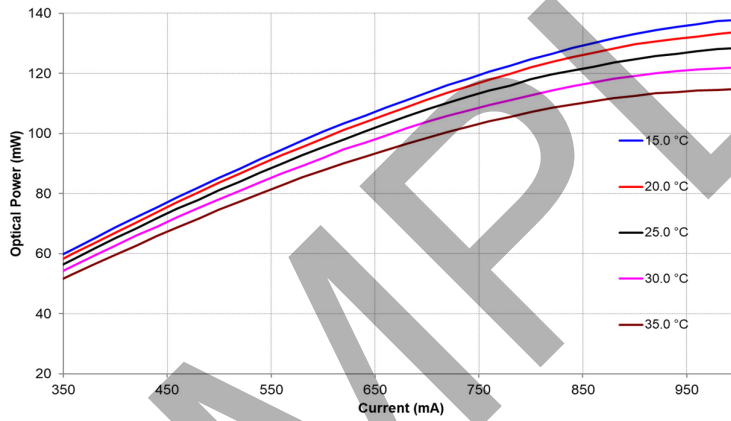


Figure 4. LI Plot for different operating temperatures

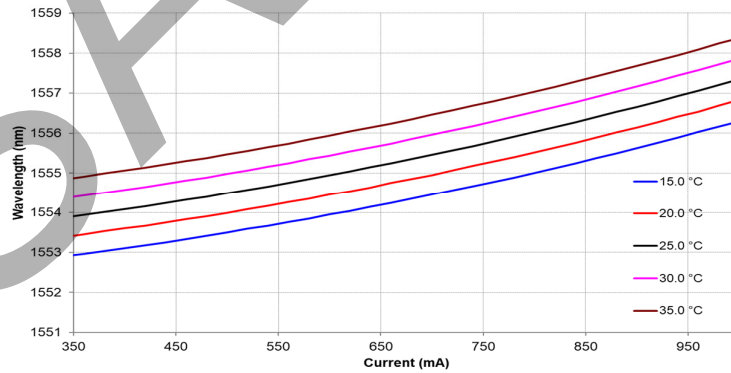


Figure 5 Center wavelength tuning