

Tunable Fiber Laser - Test Report

Product:	Tunable Fiber Laser (Model: Customer)	
Product Code:	TFL-1550-C	SN-155022

Parameter:	Test Data	
Wavelength tuning: (nm)	Start wavelength:	1565.1
	Stop wavelength:	1535.21
Tuning range: (nm)	30	
Bandwidth @ -3dB: (nm)	<0.03	
Optical S/N ratio: (dB)	>75	
Output power: (mW)	100	
Beam quality (M^2)	<1.1	
Fiber type:	Single mode fiber : Corning SMF-28	
Fiber termination:	FC/APC connector	
Tuning type:	Manual tuning by Newport micrometer	

Tunable Laser Test Results:

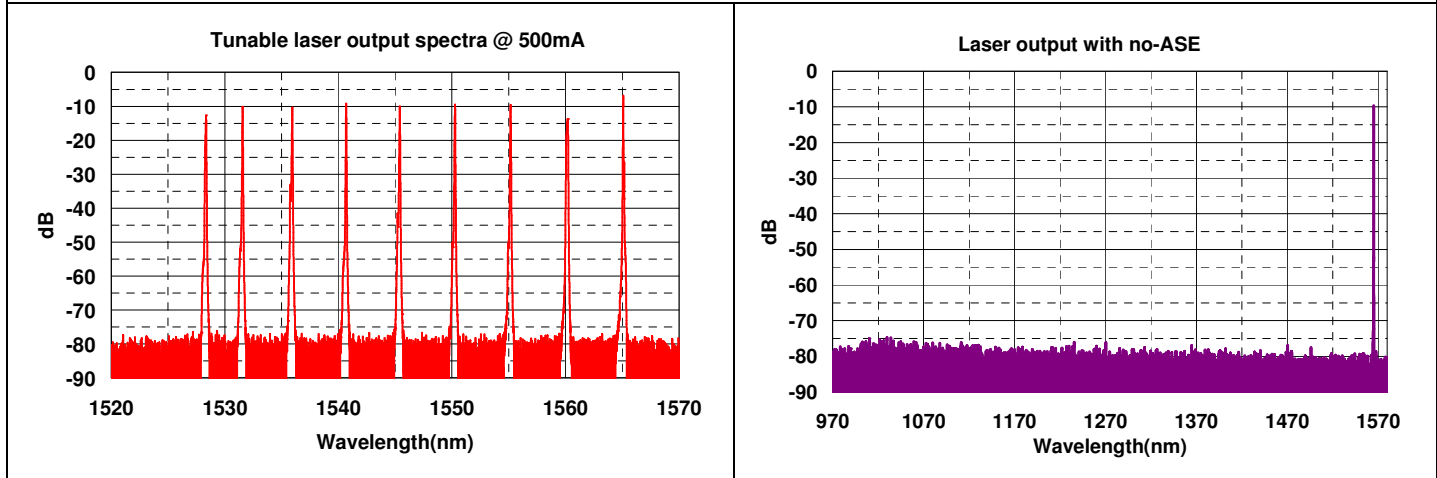


Fig.1 Tuning performance of the tunable fiber laser and ASE-free output @ LD current of 500mA.

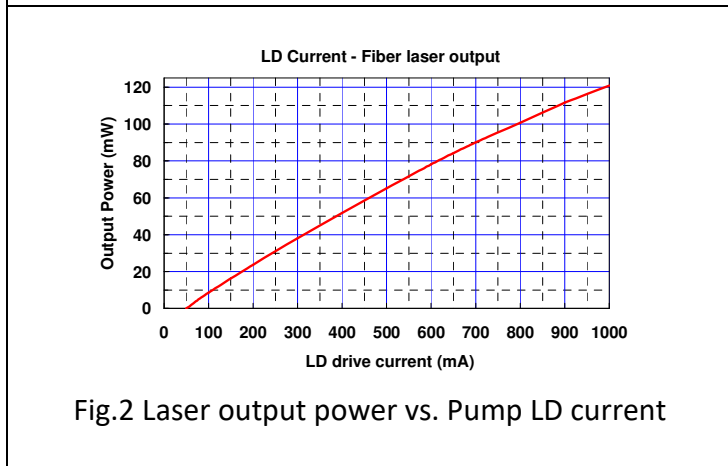


Fig.2 Laser output power vs. Pump LD current

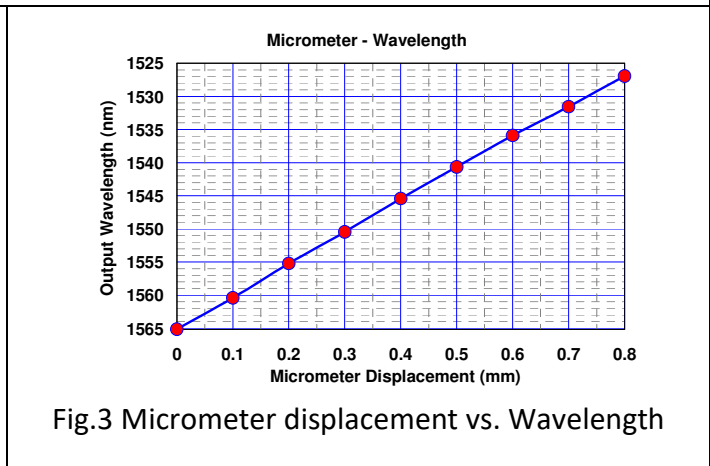
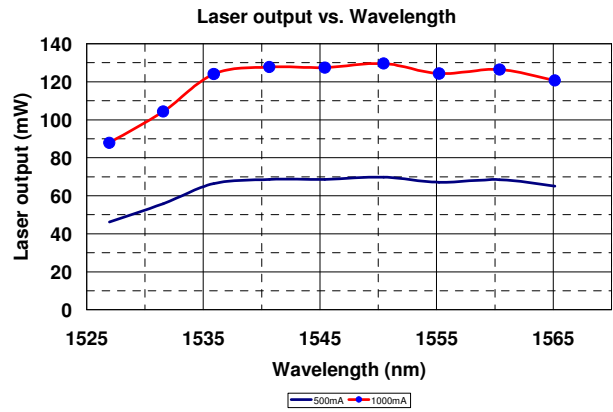
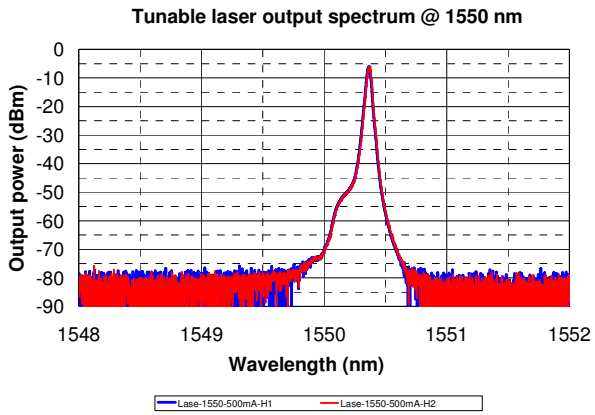
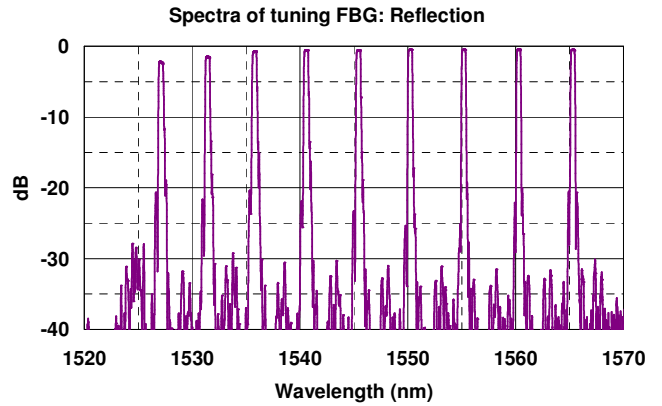
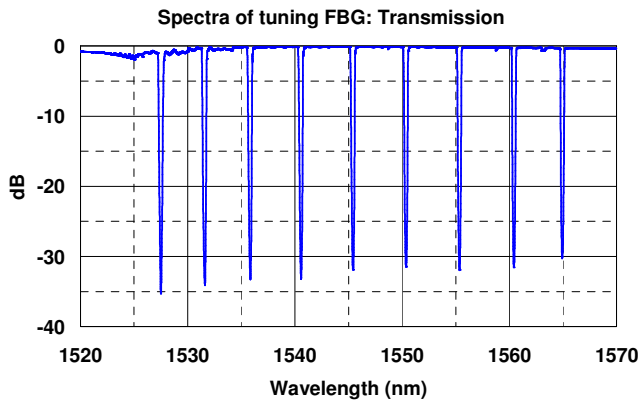


Fig.3 Micrometer displacement vs. Wavelength



Tunable FBG Test Results:



Notes:

Test condition is at 22°C, spectral resolution is set at 0.01nm.
Performance may vary slightly depending on the ambient temperature.