

Advanced Photonic Sciences

**Blue (450 nm) Nichia Laser Diode Long-Term Testing
Diode Rated at 6W Overdriven to 7W**

September 1, 2019

www.apslasers.com

Data Generated by Advanced Photonic Sciences

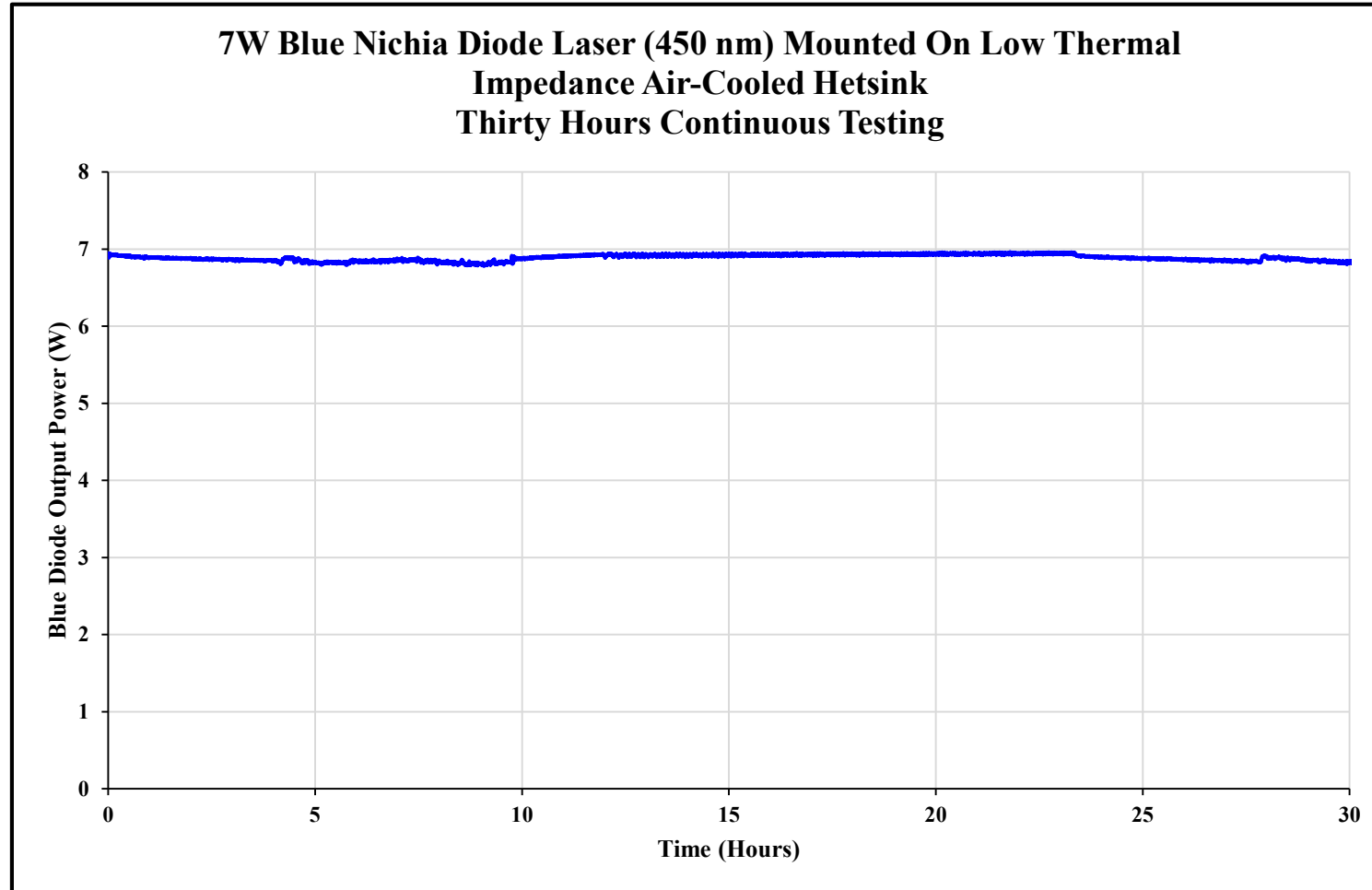
Diode Driver Current and Voltage Settings



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Data Generated by Advanced Photonic Sciences

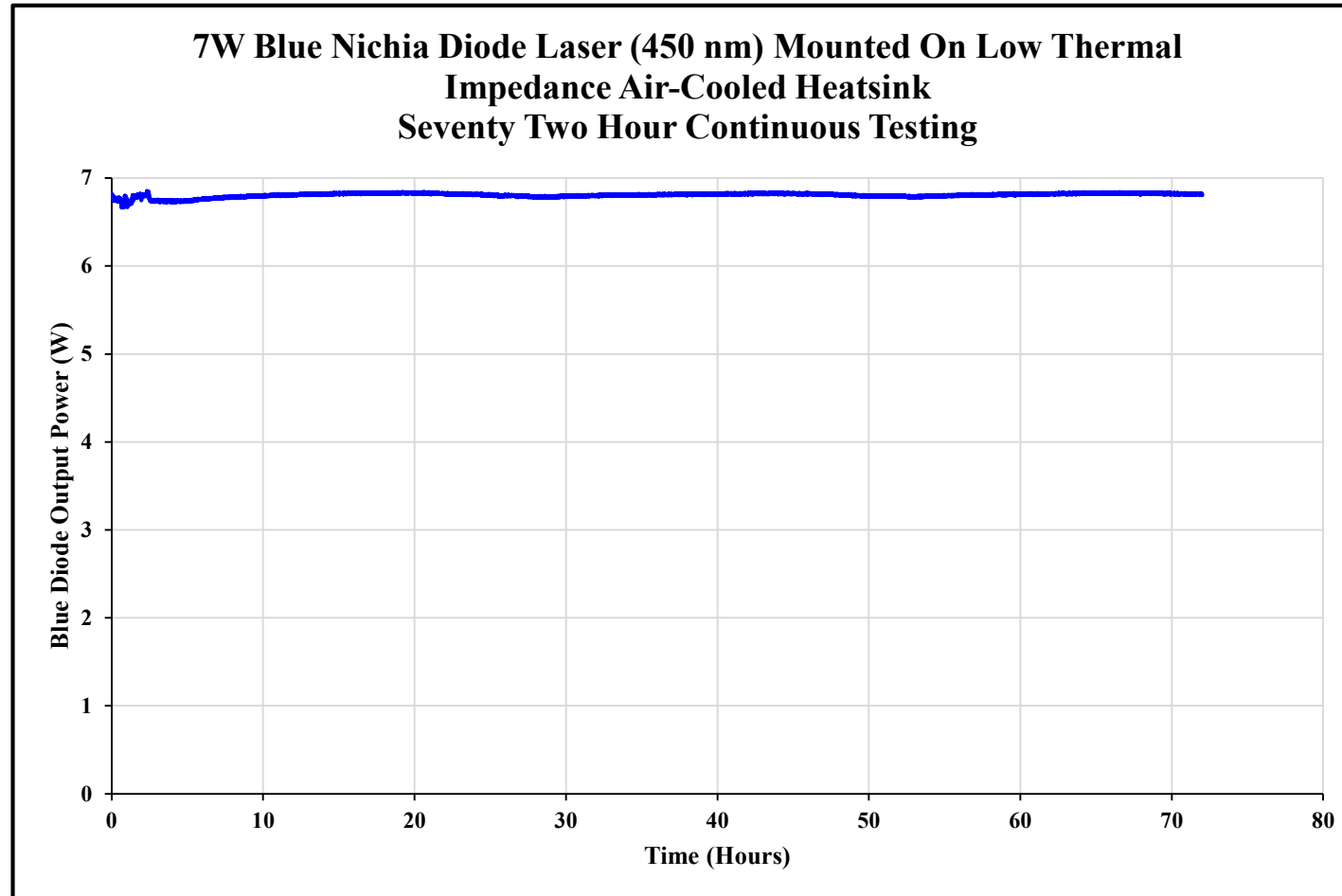
First Long-Term Test (30 Hours)



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Data Generated by Advanced Photonic Sciences

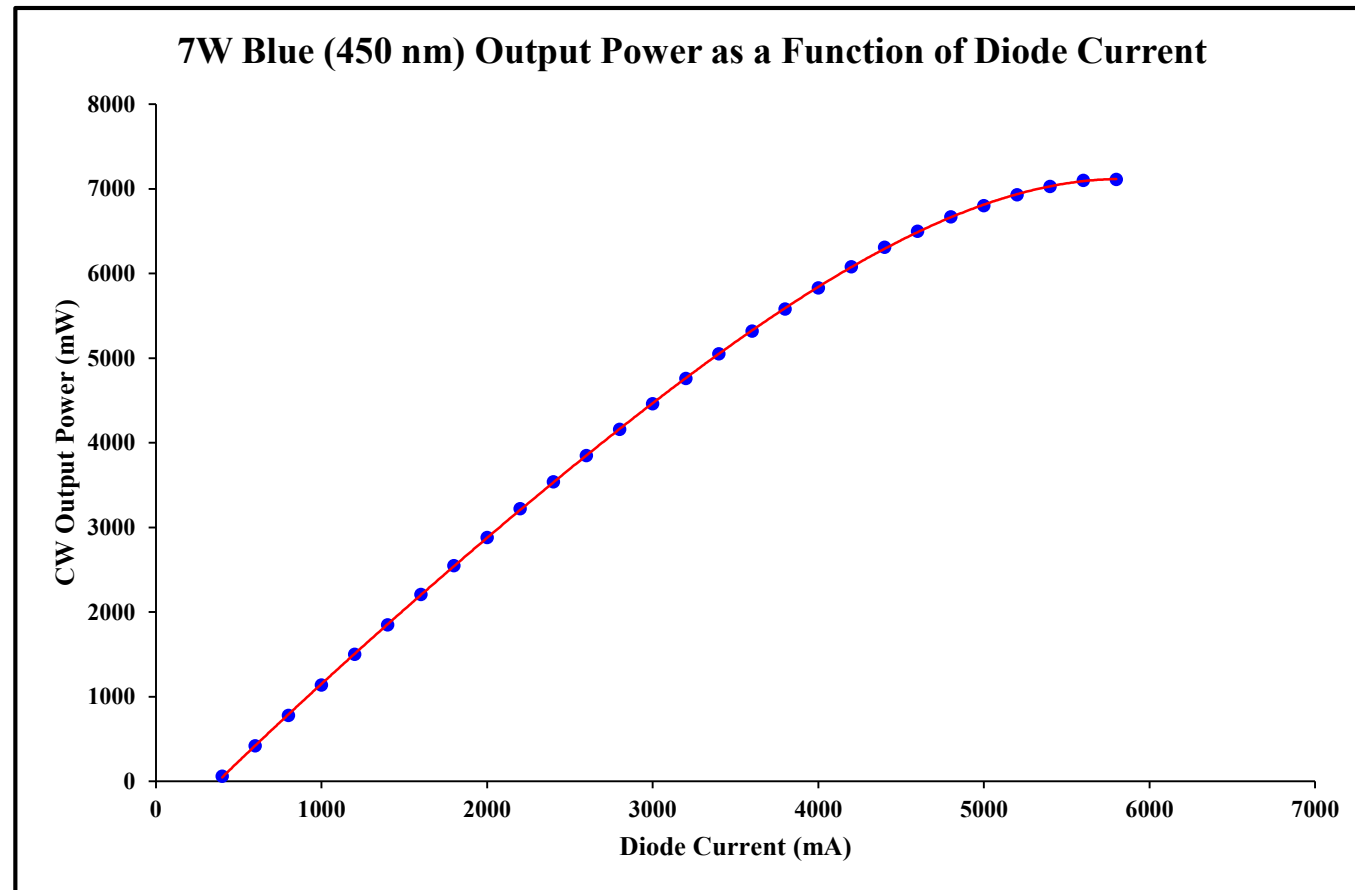
Second Long-Term Test (72 Hours)



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Previous Data of Output Power vs Diode Current (05/24/19)



Further Increasing Diode Current Will Result in Curve Turning Over, and Less Output Power

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