

**LIGHTWAVE POWER CONTROL USING EDFA FOR FREQUENCY  
MEASUREMENT OF OPTOELECTRONIC DEVICE**

**TANAWAT TANGMALA**

**MASTER OF ENGINEERING  
IN ELECTRICAL ENGINEERING**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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**THE GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY  
MAY 2013**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
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**THIS THESIS HAS BEEN APPROVED  
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS  
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7 May 2013

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### Acknowledgements

I am especially grateful to my supervisor, Assistant Professor Dr. Ukrit Mankong, for his great guidance, great advices and kindness during research at Department of Electrical Engineering, Faculty of Engineering, Chiang Mai University.

I would like to thank Assistant Professor Dr. Nipapon Siripon for her great advices during research.

I would like to thank Associate Professor Dr. Nipon Theera-Umpon for his helpful discussions.

I would like to thank all members of the NTC Telecommunication Research Laboratory for their friendship and support.

I would like to express my gratitude to my parents and my sisters for their endless love, support and encouragement during time working towards master of engineering degree at faculty of engineering, Chiang Mai University.

Finally, I would like to thank Dr. Tetsuya Kawanishi, Dr. Keizo Inagaki and office of National Institute of Information and Communications Technology (NICT), Japan, for their great advices, great knowledge and their support this work.

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