

## **UNDERTAKING OF THE CANDIDATE**

I, **V. Nallasamy**, certify that the work embodies in this Ph.D. thesis is my own bonafide work carried out by me under the supervision of **Prof. P. K. Jain, IIT(BHU)** from July 2010 to December 2016 in the Department of Electronics Engineering, Indian Institute of Technology (Banaras Hindu University). The matter embodies in this Ph.D. thesis has not been submitted for the award of any other degree/diploma.

**(V. Nallasamy)**

## CERTIFICATE

It is certified that the work contained in the thesis titled, **“Design Optimization and Experimental Evaluation of S-Band MILO for Performance Improvement ”**, by Shri . V. Nallasamy has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of comprehensive, candidacy and SOTA.

Signature of Supervisor

Name: Prof. P. K. Jain

Date:

## **Annexure-F**

[See clause XIII.1(c) and XIII.2(b) (iv)]

### **COURSE WORK COMPLETION CERTIFICATE**

This is to certify that **Shri. V. Nallasamy**, a bonafide research scholar of the Department of Electronics Engineering, IIT(BHU), has successfully completed the course work requirement which is a part of his Ph. D. programme.

**Date:**

**Place:** Varanasi

(Signature of the Head of the Department)

## **Annexure-F**

[See clause XIII.1(c) and XIII.2 (b) (iv)]

### **COMPREHENSIVE EXAMINATION COMPLETION CERTIFICATE**

This is to certify that Shri. **V. Nallasamy**, a bonafide research scholar of the Department of Electronics Engineering, IIT (BHU), has successfully completed the comprehensive examination requirement which is a part of his Ph. D. programme.

**Date:**

**Place:** Varanasi

(Signature of the Head of the Department)

## **Annexure-F**

[See clause XIII.1(c) and XIII.2 (b) (iv)]

### **PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE**

This is to certify that **Shri. V. Nallasamy, Enrolment No. 326562**, a bonafide research scholar of this department has successfully completed the Pre-Submission Seminar requirement on the topic “**Design Optimization and Experimental Evaluation of S-Band MILO for Performance Improvement**” held on 18-11-2016 which is a part of his Ph.D programme

**Date:**

**Place:** Varanasi

(Signature of the Head of the Department)

## **Annexure-G**

[See clause XIII.2(b) (v)]

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Title of the Thesis: **Design Optimization and Experimental Evaluation of S-Band MILO for Performance Improvement.**

Candidate's Name: **V. Nallasamy**

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