CERTIFICATE

It is certified that the work contained in the thesis titled "SOME

INVESTIGATIONS ON ULTRA WIDEBAND MICROSTRIP ANTENNAS" by

"SARTHAK SINGHAL" has been carried out under my/our 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(s)

Name(s): Dr. Amit Kumar Singh

Department/School: Electronics Engineering

Indian Institute of Technology (BHU)

COPYRIGHT TRANSFER CERTIFICATE

Title of the Thesis: Some Investigations On Ultra Wideband Microstrip Antennas

Name of the Student: SARTHAK SINGHAL

Copyright Transfer

The undersigned hereby assigns to the Institute of Technology (Banaras Hindu

University) Varanasi all rights under copyright that may exist in and for the above

thesis submitted for the award of the "Doctor of Philosophy".

Date: Signature of the Student

Place: VARANASI (SARTHAK SINGHAL)

Note: However, the author may reproduce or authorize others to reproduce material extracted verbatim from the thesis or derivative of the thesis for author's personal use provided that the source and the Institute's copyright notice are indicated.