شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومـــات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون آية تغيرات

يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

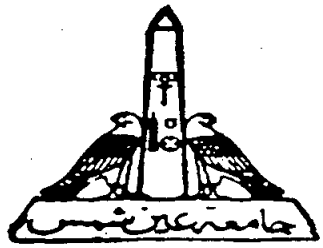
في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %

بعض الوثائق الأصلية تالفة

بالرسالة صفحات

لم ترد بالأصـــل



Ain Shams University
Faculty of Engineering
Electronics & Communication Engineering Department

COMPUTER AIDED DESIGN OF MICROWAVE PLANAR SIX PORT REFLECTION ANALYZER

By
Hesham Ibrahim Mohammed Al Anwar

A Thesis
Submitted in partial fulfillment of the Master Degree in
Electrical Engineering
Electronics and Communications Engineering Department

Under the supervision of

Prof. Dr. Safwat Mahrous Mahmoud
Faculty of Engineering
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Prof. Dr. Hadia Mohammed S. El-Hennawy
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Head of Power Metrology and Microwave Department
National Institute of Standard

Cairo - 1999

بسم الله الرحمن الرحيم

Statement

This thesis is submitted to Ain Shams University in partial fulfillment of the Master degree in Electrical Engineering (Electronics and Communication Engineering).

The work included in this thesis was carried out by the author in the department of Electronics and Communication Engineering, Ain Shams University.

No part of this thesis has been submitted for a degree or a qualification at any other university or institute.

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Date : 14 - 6 - 1999

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Examiners Committee

The thesis on : COMPUTER AIDED DESIGN OF MICROWAVE PLANAR SIX PORT REFLECTION ANALYZER .

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