

**Sudan University of Science &
Technology**

**College of Post
Graduate Studies**

**Faculty of Engineering & Technology
In Collaboration
with Center of Engineering &
Technical Studies**

(CETS)

**Optimization of Radiation Pattern
by: Utilizing Dolph-
Tschebyscheff Antenna Array.**

**تحسين النمط الإشعاعي باستخدام
منظومه دولف- جيبشيف للهوائيات**

**A Thesis Submitted in Partial Fulfillment of the
Requirements for Degree of M. Sc in
Telecommunication Engineering**

Prepared By: Momin Babiker Ahmed

Supervisor: Dr. Ballah Mohammed Eljak

2010