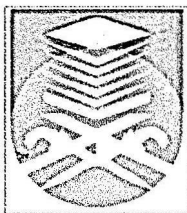


**RESONANT FIELD IMAGING (RFI) MEASUREMENT FOR
FREQUENCIES RADIATED FROM THE HIGH VOLTAGE TNB
SUBSTATION (11KV)**

**Thesis presented in partial fulfillment for the award of the
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ABSTRACT

This study is concentrate on the resonant field imaging (RFI) measurement for frequencies radiated from high voltage TNB (11kV) substation. The data analysis is focused on the frequency which is radiated from the substations. The frequency that have been radiated by substation is detected by using Resonant Field Imaging (RFI).The measurement is perform using frequency counter and the readings will be interpreted using established color representation. The understanding of aura and its effect of the frequencies to human were obtained from psychological interpretation of colors that produced by the frequency of electromagnetic wave detected from the substations. There are five various distance which is 5m, 10m, 15m, 20m, and 25m from five substations(Substation Mawar, substation Melati, Substation Pusat Kesehatan, and substation Pusat Bahasa). From this study, it was found that the frequency measured from the substation varies with distance, where the frequency detected by RFI is maximum when the distance from substation is closer. From the color interpretation, it is clearly shown that the minimum distance which is 5m around the substation (45°, 135°, 225°, 135°) from front view of the substation , it is show that the color is blue. The color changed due to the changing of distance, which is for 10m, the color is green, for 15m, the color is rose, for 20m, the color is orchid and for distance 25m, the color is gold.

CHAPTER ONE

INTRODUCTION

1.1 Introduction

Public concern over electromagnetic fields (EM) radiation exposure is growing. People living under transmission lines, or working in close proximity to equipment generating EMF radiation, or using electric equipment and electrical appliances are concerned about the potential health effects of these EMF exposures. The research on the effects of electromagnetic fields human health has been ongoing for the past 30 years. However, scientists are still far from making a conclusion whether electromagnetic do pose health hazard to the people either at home, in schools or in the workplace.[3]

This research is focused on TNB substations . The basic elements in substations are: buses, cables, transformers, circuit breakers, capacitor banks, etc. The substation is transmitting radio wave frequencies. Radio waves exist throughout the spectrum of frequencies that the FC 1003 frequency counter can theoretically measure (1MHz to 3GHz).The frequencies radiated from the substations have been detected by using resonant field imaging (RFI).

Resonant Field Imaging involves the use of a EMF (Electro-Magnetic Field) sensing device to scan a body, object, or environment. Frequency data can be translated into color frequencies, and from the data that have been collected, a color layout including a psychological and physiological interpretation of the energy field (aura) is produced. Environmentally, Resonant Field Imaging can be used to show and interpret the energies within the environment. If, for example, you move into a previously occupied home and want to gain understanding of the energies lingering from previous residents, RFI can be used to evaluate existing energies. This technology is also effective for outdoor

environments [2]. Resonant Field Imaging is an experimental electromagnetic measurement and imaging process. This new technology provides objective data and informative interpretations for all Auras and bioenergy fields, and identifies the type and function of bioenergies present in specific regions. The Resonant Field Imaging system accurately identifies and interprets 15 colors of bioenergy, representing all 15 distinguishable colors of the optical spectrum, giving it the maximum possible usefulness for detailed and accurate images and interpretations.

1.2 Objectives

In order to achieve these objectives of this project, several works has been done such as:

- 1) To measure the frequency of the electromagnetic waves radiated from five different high voltage TNB substations (11kv).
- 2) To visualize the frequencies in RFI color codes by referring to frequency and color table.

1.3 Scope of Work

This project focuses on the measurement of frequencies radiated from several high voltage TNB substations (11kV). The result of the frequency obtain will be interpreted with color according to frequency and color table of Resonant Field Imaging. The study concentrates on Resonant Field Imaging which the interpretation of color based on psychological interpretation. The purpose is to analyze the color of frequency by measuring the frequencies radiated from the substations The measurement was taken around four different high voltage TNB substations (11kV) in UiTM Shah Alam area and one from high voltage TNB substation at Flat PKNS section 7 area.. The time chosen for the measurement to be done was at 9.00 am for five days. Twenty reading are taken in a different day to identify the frequencies around the substations. To measure the frequency, a digital frequency counter supplied with Resonant Field Imaging was used. During taking RFI measurement, 100% cotton glove and white laboratory coat is important to be wore by the measurer to ensure the measurement is not affected by the