THE EFFECT OF THE TRANSMISSION LINE RADIATION ON HUMAN PHYSICAL CONDITION USING RESONANT FIELD IMAGING (RFI™)

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Abstract

This paper provides information on the effect of the transmission line (TL) radiation on human physical condition. To analyze this effect, the technology called Resonant Field Imaging (RFI) is used. Three to five weeks measurements are conducted to conclude the health conditions caused from TL using the RFI equipment called hand held digital frequency counter. It is used to measure frequencies around human body. The RFI software is then used to interpret these frequencies in terms of aura and bio-energy. From the RFI interpretation, the new program has been developing using Visual Basic 6.0 (VB 6.0) to analyze all data. Results on this paper will generates the useful information on which part of human physical condition are probably effected by the TL radiation.

Keyword

Transmission Line (TL), Resonant Field Imaging (RFI™), Visual Basic (VB), Telekom Malaysia (TM)

1.0 INTRODUCTION

A transmission line (TL) is a high-voltage overhead power line. It is the lines operated by National Grid. In Malaysia, power lines are utilized by Tenaga Nasional Berhad (TNB). A transmission line is the material medium or structure that forms all or part of a path from one place to another for directing the energy of transmission. [5]

The electrical TL is very widely used to transmit high frequency signals over long or short distance with minimum power loss. Powers that are sending down a TL are all the power absorbed by the load and none of it is reflected back to the source. [5]

The main component of transmission line includes wires, coaxial cables, dielectric slabs, optical fibers, electric power lines and waveguides. Figure 1 shows a typical TL exist in Malaysia. This type of TL is 500kV Steel Lattice, Double Circuit.

Figure 1 : A typical TL in Malaysia

In high speed circuits, TL effects tend to distort signals on path that are long compared to the wavelength of the signals propagating on the path.

2.0 THE EFFECT OF TL RADIATION

Radiation exists in every part of human lives. It occurs naturally in the earth and can reach human through cosmic rays from outer space. Radiation also occurs in transmission line. Radiation from TL leaks into the magnetosphere and stimulates strong very-low-frequency wave activity out to many earth radii.

There are different types of radiation; some are more energetic than others. For example, non-ionizing radiation has enough energy to move atoms around, but not enough to change them chemically. The most energetic form of radiation is called ionizing radiation. Scientists estimate that 82 percent of human exposure comes from natural sources: radon gas, the human body, outer space, and rocks and soil. The remaining 18 percent comes from man-made radiation sources for example the transmission line (TL) and primarily medical X-rays. Figure 2 shows the estimation of radiation effect on human body.
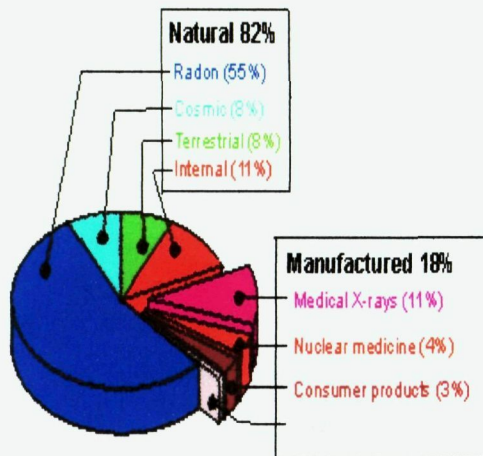
Figure 2: Radiation and Human Body

Since there is no scientific prove focused on the possibility of the effect of TL radiation can harm human physical condition, the technology called RFI can be an aid to prove it.

3.0 RESONANT FIELD IMAGING (RFI™)

Resonant Field Imaging™, or RFI™, is an external type of magnetic resonance imaging. Develop by the inventor, Matthew B. Green in 1998, this RFI™ provides all data, images, descriptions, interpretations, and the computer program of frequency interpretation in terms of aura and bio-energies. [1] In this paper the RFI™ is used as an aid to provide data for relating the effect of the TL radiation on human physical's health conditions. The RFI™ equipment; a hand held digital frequency counter is used to measure the electromagnetic field parameter that is frequencies around human body.

The health level of human bio-energy field are radiating approximately 0 to 10.16cm from human physical body. In human physical body consists of electromagnetic resonance from neurological activity originating in the brain, combined with electromagnetic field energy transmitted from the various areas of the body. The basic knowledge of Aura and Bio-energies is important to conclude the effect of TL radiation on human physical condition using the RFI™. It is because the colors of bio-energy detected in each region of the body reveal information about conditions whether the specific region is healthy or not by referring to what aura color is found.

3.1 Aura and Bio-energy

Aura exists around everything in this world including our body. The aura has many colors (14 of them) which reflects the true state of human being. For health purposes, the aura colors are divided into two; the Healthy Aura colors and Unhealthy aura colors. The aura colors that gives unhealthy interpretation of human body is gray/black, red, orange and green. The remaining 10 colors are White, Silver, Blue, Navy, Burgundy, Purple, Rose, Orchid, Yellow and Cyan.

3.2 The Chakra System

A chakra is an energy that spinning energy vortex inside human body. [8] There are 7 major chakra points in the human body: base, solar plexus, sacral, heart, throat, third eye and crown chakra. Each chakra corresponds to the physical condition of the human body. Each chakra has a special function to perform and is linked and connected to the various glands to the endocrine system, control by left and right brain.

4.0 OBSERVATION AND METHODOLOGY

4.1 Samples and Location

People living or working near high-voltage TL are a group whose exposure to TL radiation. In Jalan Pantai Baharu, Kuala Lumpur, it is obviously can be seen the TL station located within 30-100 meters from two buildings owned by Telekom Malaysia; Menara TM Rebung and Menara TM Annex 1. Hence the employees of Menara TM Rebung and Menara TM Annex can be considered as population expose to TL radiation.

21 samples are taken from both building to see the effect of TL radiation based on the location and levels of the samples inside the building to TL station.

Figure 3 illustrate inside the Menara TM Rebung and TL. Figure show the location of Menara TM Rebung, Manara TM Annex 1 and TL. This paper presents some results comparing the effect of this population with another population living far from TL.

The samples are from 21 students of Universiti Malaya. The measurements are taken once a week for five weeks and it took place at Kolej Ke-9 UM. On the other hand, the TM employees undergo the measurement for three consecutive weeks.
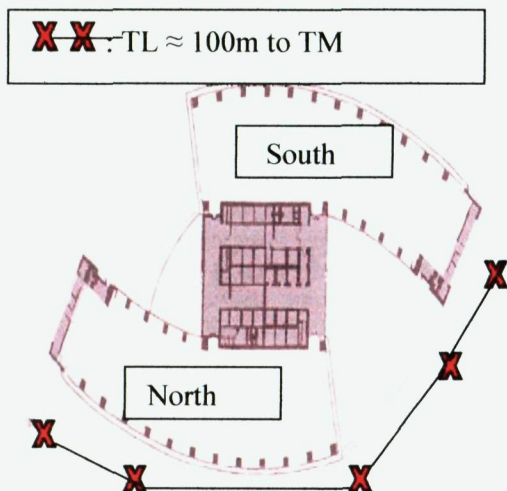
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Figure 3: Inside Menara TM Rebung and location of TL

Figure 4: TL, Menara TM Rebung & Menara TM Annex 1

4.2 The Human Physical Condition Analysis Using RFI™

In RFI™, the frequency is believed to be the most important characteristic of the Aura. The Health level of human Aura is radiate 0-10.16cm from the physical body. Here the Human Aura consists of the electromagnetic resonance from neurological activity originating in the brain. Hence, it will combine with electromagnetic field energy transmitted from areas around human body. The positive aura colors represent healthy condition while negative aura colors represent unhealthy condition. The human physical conditions analysis is divided into four parts; Right Brain Analysis, Left Brain Analysis, Top of the Head Analysis and Endocrine System Analysis.

In Physiological analysis, the 15 Health Level regions are taken into consideration. The regions are lower left leg, upper left leg, left torso, lower left arm, upper left arm, left side of neck/shoulder, left side of head, top of head, right side of head, right side of neck/shoulder, upper right arm, right torso, upper right leg and lower right leg. On the other hand, the Endocrine System Analysis consists of seven endocrine system glands that presents at the Chakra points. This system is tabulated in Table 1 below:

Table 1: The section presents health level interpretation for the seven endocrine system glands that exist at the Chakra points.

Chakra Points	Endocrine System Glands
Base Chakra	Ovaries/Testes
Sacral Chakra	Adrenal Medulla
Solar Plexus Chakra	Pancreas
Heart Chakra	Adrenal Cortex/ Anterior Pituitary/ Thyroid Glands
Throat Chakra	Thyroid/ Parathyroid Glands
Third Eye Chakra	The Pineal Body
Crown Chakra	The Anterior pituitary

The Health Level, Chakras and Head regions are actually used to develop the Brain Image. Hence the Brain analysis is required to conclude the samples health physicals' condition. This brain analysis consists of The Right Brain analysis and The Left Brain analysis.

4.3 The Analysis of Measurements from the RFI™ Readings Using Visual Basic 6.0

In order to complete the whole analysis, the Visual Basic 6.0 program is sets as and aid program to obtain the healthy condition of the samples in all measurements instead of using the RFI™ software.

The VB 6.0 program can be said as a new and fast program describes healthy or unhealthy conditions of human physical condition in terms of aura colors which is may be of greatest interest to the RFI™ user and clients. It is because it can enter all three to five measurements at one time instead of only one measurement in RFI™ software.

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5.0 DATA ANALYSIS

5.1 VB 6.0 analysis

The VB 6.0 program interprets the aura color into the percentage of healthy and unhealthy condition. Green indicates healthy condition and red indicate unhealthy condition. This program identifies health condition between two samples live near or far from TL. The outputs are separated into 2 categories, physiological analysis and endocrine system analysis. Figure 5(a) is one of the general outputs of physiological health analysis from one sample of TM employee who is being considered as population expose to TL radiation. Figure 5(b) is the one of the general outputs from endocrine system analysis.
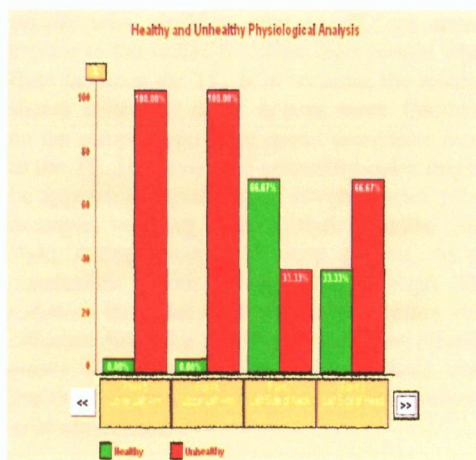

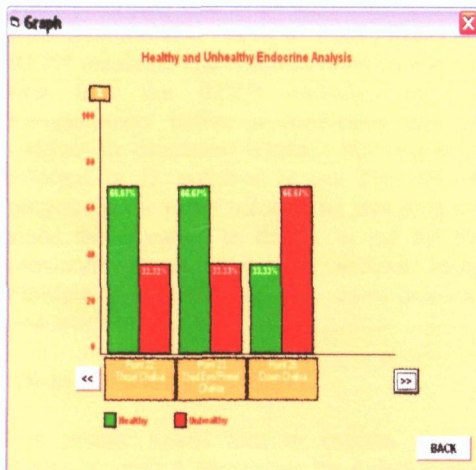Figure 5(a) General Output for Physiological Analysis

Figure 5(b) General Output for Endocrine System Analysis

Figure 6(a) show one of the outputs of VB 6.0 program for physiological analysis conducted on one sample of person from a population non-expose to TL radiation. Figure 6(b) represents one of the general outputs from endocrine system analysis. Note that the general output shown is only part of the 12 graphs of output that can be produce from VB 6.0 Program. The general output is taken after all measurement is entered to the VB 6.0 program.
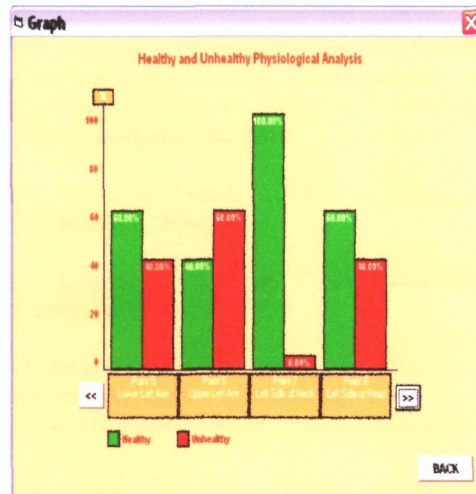

Figure 6(a) General Output for Physiological Analysis

Figure 6(b) General Output for Endocrine System Analysis

The general output from VB 6.0 program shown that unhealthy condition are more frequent appear on sample of TM employee rather than sample on UM student since four out of seven graph show the unhealthy condition.

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6.0 DISCUSSION AND CONCLUSION

Bio-energies from surrounding can definitely have and effect on samples' aura. As a result, the measurement can be inconsistent and inaccurate. To avoid this problem, all investigators must wear 100% cotton lab coat and gloves. The right length of antenna of the ACECO FC1003 will give better result or accurate readings of the frequency. The recommended length of the antenna is at its shortest length rather than expand it to its full length. Hence it will reduce the effects of the interference. During the measurement, the devices such as cellular phone must be placed far from the measuring area. It is because there is a chance of transmission from the cell phone will interfere with the RFI readings.

From the observation it can be shown that people who working near to TL are more expose to the radiation rather than people who lives far from the TL. It is because, the results shows unhealthy color appear more frequent on the sample who were spend more time near to the TL. However, the unhealthy color might be appearing depending on several factors; for example, working pattern, their inactive life style, eating habits and sleep pattern. As a conclusion it can be said that though TL radiation have not been proven dangerous, the evidence from the RFI™ measurement clearly points to an association between them and health problems, and individuals have reason to be concerned.

7.0 FUTURE DEVELOPMENT

There is no easy way to determine the result of aura interpretation straight away from the RFI™ readings. The readings must be entered first into the RFI™ software for all measurements before a conclusion can be conduct to determine whether the sample is effected by TL radiation or not. The VB 6.0 program is the better solution for this program since this program is design to put all the measurements at one time without using multiple files. Therefore, it is more practical and time savings.

8.0 ACKNOWLEDGMENT

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