

ABSTRAK

Tugas akhir ini berjudul “Analisis Kuat Sinyal Tranceiver Ultra High Frequency Lembaga Penyiaran Pada Stasiun METROTV Makassar”. Adapun tujuan penelitian ini adalah menganalisis kuat sinyal pancaran siaran program TV Stasiun MetroTV Makassar berdasarkan data pengukuran kuat medan yang diterima pada daerah layanannya dan berdasarkan hasil perhitungan. Kualitas penerimaan siaran televisi dapat diketahui berdasarkan kuat sinyal yang sampai kepada penerima, dimana kuat sinyal dapat diketahui berdasarkan kuat medann yang sampai ke penerima, penelitian ini bertujuan untuk mengetahui seberapa besar kuat sinyal yang diterima pada lokasi tertentu dalam daerah layanan stasiun MetroTV Makassar. Berdasarkan kuat medan hasil pengukuran dan hasil perhitungan, penelitian dilakukan dengan cara mengambil data pengukuran yang dilakukan oleh MetroTV pada daerah-daerah layanannya dengan menggunakan alat ukur (Field Strength Meter ML 512 A/ Merk Anritzu). Adapun daerah pengukurannya yaitu daerah Utara, Selatan, Barat, dan Timur. Dari hasil analisis diketahui bahwa kuat sinyal yang sampai ke penerima sangat baik.

Kata Kunci : Tranceiver, Ultra High Frequency, sinyal



ABSTRACT

This final project is entitled "Analysis of Ultra High Frequency Transceiver Signal Strength for Broadcasting Institutions at METROTV Station Makassar". The purpose of this study is to analyze the signal strength of the broadcast TV program of the Makassar metrotv Station based on the field strength measurement data received in the service area and based on the calculation results. The quality of television broadcast reception can be known based on the signal strength that reaches the receiver, where the signal strength can be determined based on the field strength that reaches the receiver, this study aims to determine how much signal strength is received at certain locations within the Makassar metrotv station service area. Based on the measured field strength and calculation results, the research was conducted by taking measurement data carried out by metrotv in its service areas using a measuring instrument (Field Strength Meter ML 512 A/ Anritzu Brand). The measurement areas are North, South, West, and East. From the results of the analysis, it is known that the signal strength that reaches the receiver is very good.

Keywords : Tranceiver, Ultra High Frequeny, signal

