

EXHIBIT E

INTERFERENCE ANALYSIS PROPOSED KWBM-DT CHANNEL 31 – HARRISON, ARKANSAS

I conducted detailed interference studies using the methodology and Longley-Rice parameters as outlined in OET-69 Bulletin and Paragraph 155 of the Report and Order in The Third Periodic Review.

My Longley-Rice studies of the interference effect of this proposal utilize a 2-kilometer cell size, while calculating the signal strength at 1-kilometer increments along each radial, and employing the 2000 U.S. Census. Instances of newly created interference caused by the proposed KWBM-DT are tabulated in Exhibit E-2.

As can be seen, the results of these studies indicate that the facility proposed herein would not contribute in excess of 0.5% of new interference to the service population of any post-transition DTV stations. My studies also indicate that the proposed KUTF-DT facility would not cause new interference in excess of 0.5% to the population within the protected contour of any Class A low power television station. Thus, this proposal complies with the Commission's de minimis standard for interference from post-transition DTV facilities.