

DISPLACEMENT/FLASH-CUT APPLICATION
JOSEPH V. EARLEY
W50BO LPTV/TV TRANSLATOR STATION
CH 15 - 476-482 MHZ - 15.0 KW
ASHVILLE, ALABAMA
December 2009

TECHNICAL STATEMENT

This Technical Statement and attached exhibits were prepared on behalf of Joseph V. Earley ("Earley"), licensee of LPTV/TV translator facility W50BO, Channel 50+, Ashville, Alabama. This application seeks a displacement facility for LPTV station W50BO. W50BO can no longer operate on Channel 50+ due to the operation of full service station WBRC, Channel 50, Birmingham, Alabama. WBRC is located only 64.3 kilometers from the W50BO site. Therefore, this instant application seeks to displace to Channel 15, and simultaneously flash-cut to digital.

The antenna system for the proposed W50BO (on Channel 15) will be located on an existing tower. The tower, which is the existing W50BO tower, is only 46 meters (150.0 feet) in height. As the tower height is less than 200 feet, no tower registration is needed and the Federal Aviation Administration was not apprised of this proposal.¹

The proposed W50BO (on Channel 15) digital operation complies with the Commission's interference rules, based on the use of the Longley-Rice OET-69 Bulletin.² It is noted that the

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- 1) A review of the existing tower height was undertaken using the Commissions TOWAIR program, which indicated tower registration was not needed.
 - 2) The Longley-Rice model was implemented on the Probe 3 computer model from V-Soft Communications. This model has been found to closely replicate the results provided by the Commission's computer model.

terrain was sampled at 0.1 kilometer, and a signal cell size of 1.0 kilometer was used with 2000 Census population reviews. A simple emission mask was used in the calculations. Attached as Exhibit A is a tabulation of the results of the Longley-Rice review showing the proposed facility causes no interference to any other existing, applied for, or proposed facility, based on the database used on the indicated study date. No full service station receives predicted interference above 0.5% of its population, caused by this instant proposal. No secondary LPTV station receives predicted interference above 2.0% of its population, caused by this instant proposal. Attached as Exhibit B is a review that shows the proposed W50BO is in compliance with the Commission's RF exposure limits.

All other data used to certify compliance with the Commission's rules has been forwarded to Earley and is available for submission to the Commission on request.³

3) The undersigned is certifying only the radiofrequency exposure portion of the environmental analysis. All data regarding TV facilities was extracted from the CDBS database. We assume no liability for errors or omissions in that database which may be adverse to the request made herein.