

**OUT-OF-CORE DISPLACEMENT APPLICATION**

**LAWRENCE F. LOESCH**  
**W56EC LPTV STATION**  
**CH 24Z - 530-536 MHZ - 0.15 KW (DA)**  
**MANTEO, NORTH CAROLINA**  
**July 2011**

**TECHNICAL STATEMENT**

This Technical Statement and attached exhibits were prepared on behalf of Lawrence F. Loesch ("Loesch"), licensee of LPTV station W56EC, Channel 56Z, Manteo, North Carolina. Loesch herein seeks permission to displace into the core TV spectrum, vacating Channel 56. In the Second Report and Order, MB Docket #03-185, released July 15, 2011, LPTV stations operating above Channel 51 were notified that they must submit an application for displacement from out-of-core channels before September 1, 2011 and must cease operation on the out-of-core channels no later than December 31, 2011. Loesch herein submits his application seeking to transition from Channel 56 to Channel 24 for W56EC. The proposed facility will operate in an analog mode. Loesch understands that he must transition to digital operation prior to September 1, 2015.

The antenna system for the proposed W56EC facility is to be located on an existing structure. Therefore, the Federal Aviation Administration was not apprised of this proposal. The antenna supporting structure has been registered with the Commission and assigned Antenna Structure Registration Number 1203259.

The proposed displaced LPTV facility's operation on Channel 24 complies with the Commission's interference rules, based on the use of the Longley-Rice OET-69 Bulletin.<sup>1</sup> It is

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1) 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.

noted that the terrain was sampled at 0.1 kilometer, and a signal cell size of 1.0 kilometer was used with 2000 Census population reviews. Exhibit A is a tabulation of the results of the Longley-Rice review showing that 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 as a result of this instant proposal. No secondary LPTV station receives predicted interference above 2.0% of its population as a result of this instant proposal. Exhibit B is a review which shows the proposed Channel 24 analog antenna is in compliance with the Commission's RF exposure limits.

The proposed antenna and transmission line is already installed on the proposed tower and is in use by other LPTV stations. Therefore, it is respectfully requested that no pre- or post-construction field measurement conditions be placed on the requested permit with respect to AM station WOBX, 1530 kilohertz, Wanchese, North Carolina.<sup>2</sup>

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

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- 2) It is further noted that WOBX is operating under Special Temporary Authority with parameters at variance.
  - 3) The undersigned is certifying only the radio frequency exposure portion of the environmental analysis. All data regarding TV facilities was extracted from the CDBS database on the date of the interference study included herein. We assume no liability for errors or omissions in that database which may be adverse to the request made herein.