

**DISPLACEMENT/FLASH-CUT APPLICATION**  
**OKLAHOMA COMMUNITY TELEVISION, LLC**  
**K55BQ LPTV/TV TRANSLATOR STATION**  
**CH 35 - 596-602 MHZ - 0.900 KW**  
**HOLLIS, OKLAHOMA**  
**June 2010**

**TECHNICAL STATEMENT**

This Technical Statement and attached exhibits were prepared on behalf of Oklahoma Community Television, LLC. ("OCT"), licensee of LPTV/TV translator station K55BQ, Channel 55, Hollis, Oklahoma. This application seeks a displacement facility for LPTV station K55BQ as it operates on out-of-core Channel 55.<sup>1</sup> OCT herein proposes the displacement to Channel 35 with flash-cut to digital operation on Channel 35 to replace analog facility K55BQ.

The antenna system for the proposed Channel 35 LPTV/TV translator station will be located on an existing tower. Therefore, the Federal Aviation Administration was not apprised of this proposal. The tower has been registered with the Commission and assigned Antenna Structure Registration Number 1010042.

The proposed Channel 35 digital operation complies with the Commission's interference rules, based on the use of the Longley-Rice OET-69 Bulletin.<sup>2</sup> It is 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. A stringent emission mask was used in the calculations. Attached as

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- 1) OCT had a permit for a digital Channel 35 facility at Hollis, Oklahoma. The permit has expired. This instant application seeks the same facilities previously authorized in BDFCDTT-20091218AFD.
  - 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.

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 LPTV station 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 OCT and is available for submission to the Commission on request.<sup>3</sup>

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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.