

**DIGITAL FLASH CUT APPLICATION**  
**OKLAHOMA BROADCAST ASSOCIATES, LLC**  
**KTEW-CA CLASS A LPTV STATION**  
**CH 18 - 494-500 MHZ - 4.25 KW**  
**PONCA CITY, OKLAHOMA**  
**August 2009**

**TECHNICAL STATEMENT**

This Technical Statement and attached exhibits were prepared on behalf of Oklahoma Broadcast Associates, LLC ("OBA"), licensee of Class A LPTV station KTEW-CA, Channel 27N, Ponca City, Oklahoma. KTEW-CA is presently operating under Special Temporary Authority on Channel 20, due to displacement by DTV station KFRO-TV, Channel 27, Oklahoma City, Oklahoma. OBA herein proposes to displace from Channel 27 to Channel 18, and simultaneously flash-cut to digital operation.

The antenna system for KTEW-CA flash-cut to digital will be mounted on an existing tower located outside of Ponca City, Oklahoma. The tower has been registered with the FCC and assigned Antenna Structure Registration Number 1010645. As such, the Federal Aviation Administration was not apprised of this proposal.

Channel 18 digital complies with the Commission's interference rules, based on the use of the Longley-Rice, OET-69 Bulletin<sup>1</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 simple emission mask was used in the calculations.

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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.

All other data used to certify compliance with the Commission's rules has been forwarded to the applicant and is available for submission to the Commission on request.<sup>2</sup>

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2) 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.