

***TECHNICAL EXHIBIT***  
***APPLICATION FOR LICENSE***

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Digital Low Power Television Facility K21OZ-S  
2.0 kW ERP DA / Channel 21  
Shreveport, Louisiana

Digital Networks-Southwest, LLC

September 2020

## *APPLICATION FOR LICENSE*

The following engineering statement has been prepared for **Digital Networks-Southwest, LLC** (“Southwest”), licensee of low power television station K30EA at Shreveport, Louisiana, and permittee of digital companion channel facility K21OZ-D also at Shreveport, and is in support of their application for license to cover the construction of the companion channel facility.<sup>1</sup> This application seeks to cover the construction authorized under LMS File No. 0000116399.

Under the referenced construction permit, the companion facility is authorized to operate on television channel 21 with a maximum effective radiated power of 2.0 kW at a center of radiation of 126.9 meters above mean sea level, 30 meters above ground level, utilizing a composite directional array. The authorized, and constructed, array consists of two Kathrein-Scala PR-TV antennas. One of these antennas is oriented at 170 degrees true, with the other at 340 degrees true. Equal power division is employed between the two constituent antennas. Southwest has completed construction of the facility utilizing the authorized parameters. The installed equipment achieves the authorized effective radiated power.

The construction permit, as issued by the Commission, lists one special condition or restriction. This condition advises Southwest that the authorization in question is for low power television, and as such, is a secondary authorization. Southwest is cognizant of the interference requirements imposed on it by the authorization, and will comply.

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<sup>1</sup> The Facility ID for K21OZ-D/K30EA at Shreveport, Louisiana is 60814.

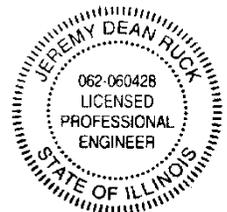
JEREMY RUCK & ASSOCIATES, INC.

P.O. Box 415  
221 S. 1st Avenue  
Canton, IL 61520

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Southwest certifies that it will protect workers and other personnel from being exposed to levels of radiofrequency radiation in excess of the applicable safety standards, and will coordinate with all other users of the site. Coordination efforts will include, but are not necessarily limited to a reduction in transmitter power or cessation of operation.

The preceding statement has been prepared by me, or under my direction, and is true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature  
License Expires November 30, 2021

Jeremy D. Ruck, PE  
September 14, 2020

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