

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

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Digital Low Power Television Facility K12XL-D  
3 kW ERP DA / Channel 12  
Las Vegas, Nevada

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 K47OC-D at Las Vegas, Nevada, and permittee of displaced K12XL-D, also at Las Vegas, Nevada, and is in support of their application for license to cover construction of the displaced facility.<sup>1</sup> This application seeks to cover the construction authorized under LMS File No. 0000072050.

Under the referenced construction permit, the displaced facility is authorized to operate on television channel 12 with a maximum effective radiated power of 3 kW at a center of radiation of 1474.8 meters above mean sea level, 30 meters above ground level, utilizing a directional antenna system. The antenna system authorized and used by the facility is a Kathrein-Scala DRV1/1, which is oriented at 130 degrees true. 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 is a Low Power Television authorization, and as such, is secondary. Southwest is cognizant of the interference requirements imposed on it by the authorization, and will comply, as necessary.

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

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<sup>1</sup> The Facility ID for K12XL-D at Las Vegas, Nevada is 67974.

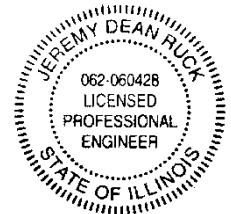
JEREMY RUCK & ASSOCIATES, INC.

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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 7, 2020

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