

***TECHNICAL EXHIBIT  
APPLICATION FOR LICENSE***

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Digital Low Power Television Facility K19FY-D  
2.0 kW ERP DA / Channel 19  
Chico, California

Digital Networks-Southwest, LLC

September 2020

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JEREMY RUCK & ASSOCIATES, INC.

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**9.21.2020**

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## **APPLICATION FOR LICENSE**

The following engineering statement has been prepared for **Digital Networks-Southwest, LLC** (“Southwest”), licensee of analog low power television facility K19FY at Chico, California, and are in support of their application for license to cover construction of the flash-cut facility.<sup>1</sup> This application seeks to cover the construction of the facility authorized under LMS File No. 0000120954.

Under the referenced construction permit, the flash-cut facility is authorized to operate on television channel 19 with a maximum effective radiated power of 2.0 kW at a center of radiation of 208.5 meters above mean sea level, 26.5 meters above ground level, utilizing a Kathrein-Scala PR-TV antenna. This antenna is oriented at an azimuth of 250 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 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.

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 K19FY/K19FY-D at Chico, California is 68097.

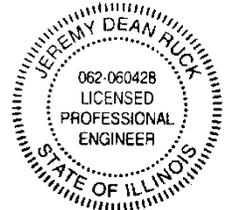
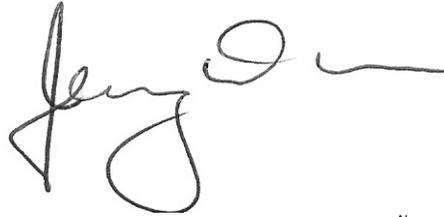
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with all other users of the site. Coordination efforts will include, but are not necessarily limited to a reduction in transmitter power or cessation of operation.

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 21, 2020

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