

***TECHNICAL EXHIBIT
APPLICATION FOR LICENSE***

Digital Low Power Television Facility K21GQ-D
2.0 kW ERP DA / Channel 21
Minot, North Dakota

Digital Networks-Midwest, LLC

September 2020

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JEREMY RUCK & ASSOCIATES, INC.

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

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com

9.21.2020

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APPLICATION FOR LICENSE

The following engineering statement has been prepared for **Digital Networks-Midwest, LLC** (“Midwest”), licensee of analog low power television station K21GQ, and permittee of the digital flash cut facility K21GQ-D at Minot, North Dakota, and is in support of their application for license to cover construction of the flash cut facility.¹ This application seeks to cover the construction permit for the facility that has been assigned LMS File No. 0000120810.

Under the referenced construction permit, the 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 559.1 meters above mean sea level, 30 meters above ground level, utilizing a Kathrein-Scala PR-TV antenna. This antenna is oriented at 120 degrees true. Midwest 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 Midwest that the authorization in question is for low power television. As such, it is a secondary authorization. Midwest is cognizant of the interference requirements imposed on it by the construction permit, and will comply.

Midwest 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

¹ The Facility ID for K21GQ at Minot, North Dakota is 129668.

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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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