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***B. W. St. Clair, Inc.***

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**Engineering Statement  
in support of an  
Analog Translator Displacement Application  
for BLTT19790129IE  
Channel 62, Alexandria, MN  
Selective TV, Inc.**

**BACKGROUND**

The applicant is currently operating K62AU as an analog translator that is part of a group of translators serving the Alexandria, MN area. Since channel 62 is out-of-core, applicant is applying to displace to channel 27, an in-core channel. Additionally, Selective TV is applying for a digital flash cut for the channel 27 translator. This will expand service to the Alexandria, MN area. The new facilities will use an existing antenna and combiner network.

**INTERFERENCE CONSIDERATIONS**

Interference to the following station was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Dependent Algorithm" in accordance with OET Bulletin 69.<sup>1</sup> Population loss for this station is less than 0.5% to all full-service and Class A LPTV stations. For LPTV and LDTV stations, population loss is less than 2%. Cell size for service analysis is 1.0 km/side and distance increments for Longley-Rice Analysis is 1.0 km.

**FULL SERVICE DTV and Class A Stations & LPTV/Translator Stations  
NONE**

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<sup>1</sup> The analysis was performed on a Sun "Blade" Computer using the exact replica of the FCC program. Population losses of less than 0.5% are not reported in detail. Only an indication of no interference is shown.