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

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**Engineering Statement**  
in support of a  
**Digital LPTV Application**  
**Channel 06, Juneau, AK**  
**Denver Digital Television, LLC**

**BACKGROUND**

Denver Digital TV, the applicant, is filing for a low power, digital TV construction permit. The transmission system will be installed at a developed communications site. The communications site is well outside of the 75 mile radius drawn on any of the top 100 ADI cities.

**INTERFERENCE CONSIDERATIONS**

The interference to various TV stations 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 each station is less than 0.5% for full-service and Class A TV stations and less than 2% for LPTV and translator stations. Cell size for service analysis is 1.0 km/side. The distance increments for Longley-Rice Analysis is 1.0 km. Any discrepancies are noted below.

FULL SERVICE TV, DTV & LPTV 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.