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B. W. St. Clair, Inc.

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 69.¹ 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

Prepared By:
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Engineering Consultant
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¹ 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.