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B. W. St. Clair, Inc.

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**Engineering Statement**  
in support of a  
**Digital Companion Application, BLTTV19891117JH**  
**Channel 10, Crested Butte, CO**  
**Gunnison County Metropolitan Recreational District**

**BACKGROUND**

The applicant is requesting a digital companion translator station on channel 35 for translator K10AK. The companion digital translator will be located at the current analog location. The digital companion translator will continue to provide service to the Crested Butte area.

**INTERFERENCE CONSIDERATIONS**

Potential interference to other 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.

FULL SERVICE DTV, CLASS A, and 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's analysis program.