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

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**Engineering Statement**  
in support of a  
**Digital Flash Cut Application, BLTT19921210JL**  
**Channel 42, Joplin, MT**  
**East Butte TV Club**

**BACKGROUND**

East Butte TV Club has a licensed analog translator operating on channel 42 at the present time. Applicant is filing a flash cut application for K42DD. This translator station is located on the Mount Royal Communications Site.

The ERP will decrease and the coordinates will change slightly.

**INTERFERENCE CONSIDERATIONS**

Interference to the following station(s), based on contour overlap, was/were studied using "Population Loss Studies" based on the "Longley-Rice Terrain Algorithm" in accordance with OET Bulletin 69.<sup>1</sup> Population loss for full service TV and Class A or analog stations is less than 0.5% and less than 2% for any LPTV or translator DTV station. Cell size for service analysis is 1.0 km/side and distance increments for Longley-Rice Analysis is 1.0 km

FULL SERVICE TV, DTV, CLASS A, LPTV AND LPDT 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.