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B. W. St. Clair, Inc.

Engineering Statement
in support of
Digital Flashcut Application BLTT20080213AGP
Channel 24, Ferndale, MT
Swan Hill TV District

BACKGROUND

Applicant holds a license for the operation of K24ID on channel 24, no offset, at the present time. Applicant is applying for a digital flashcut construction permit. The parameters of this application will remain the same except for the type of modulation, a slight revision to the antenna pattern, and the decrease in ERP.

The 19.5 dB μ F(50,10) contour does not cross the Canadian border.

INTERFERENCE STUDY

Channel 24 was analyzed for interference to the following stations using "Population Loss Studies" based on the "Longley-Rice Terrain Algorithm" in accordance with OET Bulletin 69.¹ 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 ANALOG AND DTV STATIONS

None

LPTV, CLASS A AND TRANSLATOR STATIONS

None

Prepared By:
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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.