



2355 Ranch Drive, Westminster, CO 80234
Phone: 303-465-5742 ~ Fax: 303-465-4067
E-Mail: StCl@Comcast.Net

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 dBμ 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:
Gordon H. Allison, Jr.
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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.