



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
Application Modification BDCCDTL20060929BHO
Channel 21, Walker, MN
Leech Lake Television Corp.

BACKGROUND

Applicant holds a construction permit for K21HX-LD on channel 21, at the present time. Applicant is applying for an ERP increase. The parameters of this application will remain the same except for the ERP increase.

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

INTERFERENCE STUDY

Channel 21 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.
29 August 2008

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.