

B. W. St. Clair, Inc.

Engineering Statement
supporting a
Displacement Application for a Licensed Station, BLTT19781023IN
Channel 68, Redwood Falls, MN
REDWOOD TV IMPROVEMENT CORP.

BACKGROUND

Applicant is applying to move an out-of-core LPTV translator, K68BJ, into the core channel group.

Redwood TV Improvement Corp is applying for channel 36 with no offset. The ERP increases slightly, but the other parameters remain the same. Slight elevation corrections will also be made to match what the actual parameters are.

INTERFERENCE ANALYSIS

Interference to the following station was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Dependent Algorithm" in accordance with OET Bulletin 69.¹ 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. Any discrepancies are noted below.

FULL SERVICE DTV and Class A Stations & LPTV/Translator Stations
NONE

Prepared By:
Gordon H. Allison
Engineering Consultant
23 April 2010

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.