

B. W. St. Clair

Engineering Statement
supporting a
Displacement Application for a Licensed Station, BLTT19781023IM
Channel 58, Redwood Falls, MN
REDWOOD FALLS TV IMPROVEMENT CORP.

BACKGROUND

Applicant is applying to move an out-of-core LPTV station into the core channel group. In addition, the Redwood Telephone Company has notified Redwood Falls TV Improvement Corp. that their channel 58 is causing interference to its operations in the channel 59 portion of the spectrum. Redwood Telephone demanded that Redwood Falls TV cease operations on channel 58 immediately.

Redwood Falls TV Improvement Corp is applying for channel 22 with a (-) minus offset. The ERP increases slightly, but the other parameters remain the same.

INTERFERENCE ANALYSIS

Interference to the following station was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Algorithm" in accordance with OET Bulletin 69.¹ Population loss for this stations is less than 0.5%. Cell size for service analysis is 1.0 km/side and distance increments for Longley-Rice Analysis is 1.0 km

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

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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.