

B. W. St. Clair, Inc.

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Engineering Statement  
supporting a  
Digital Flash Cut for a Licensed Station, BLTT20110112AAQ  
Channel 28, Redwood Falls, MN  
REDWOOD TV IMPROVEMENT CORP.

**BACKGROUND**

Applicant is applying for a digital flash cut to change K28LL from analog operation to digital. The Interference Analysis uses the actual horizontal and vertical pattern of the MCI 955114 omni antenna. See attached vertical pattern.

**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.<sup>1</sup> 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 0.5 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

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<sup>1</sup> 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.