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B. W. St. Clair, Inc.

Engineering Statement
in support of an
Flash Cut Application for BLTT-19930927IB
Channel 23, Tahoe City, CA
Ellis Communications, Inc.

BACKGROUND

Applicant has a licensed LPTV station, K23DT, Tahoe City, CA. Ellis Communications is applying for a digital flash cut on channel 23, the current broadcast channel. The application will correct the antenna make and model, errors associated with the tower. With the exception of the modulation type and the slight ERP reduction, all other parameters remain the same.

INTERFERENCE CONSIDERATIONS

Potential interference to other stations was studied using "Population Loss Studies" based on the "Longley-Rice Terrain 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.

Prepared By:
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¹ The analysis was performed on a Sun "Blade" Computer using the exact replica of the FCC's analysis program.