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B. W. St. Clair, Inc.

Engineering Statement
supporting a digital flash cut of a
Licensed Station, BLTT19881117ID
Channel 34, Lovelock, NV
Ellis Communications, Inc.

BACKGROUND

The applicant, Ellis Communications, Inc., operates K34BL as a translator in Lovelock, NV at the present time. This application will flash cut the station to digital operation on channel 34. As a part of this application, the ERP will decrease. The antenna pattern will use the ACS8E as a directional antenna system aimed at 90° True.

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

Gordon H. Allison, Jr.
Engineering Consultant
29 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.