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B. W. St. Clair, Inc.

Engineering Statement
in support of a
Displacement Application for BNPTT2000831CGW
Channel 51, Fallon, NV
KTVU Partnership

BACKGROUND

Applicant has been operating this translator in the analog mode with KRXI-TV as its analog input. KTVU Partnership is applying for a digital flash cut on channel 51.

INTERFERENCE CONSIDERATIONS

Interference to the various TV stations 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 TV, DTV & LPTV STATIONS
NONE

Prepared By:
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Engineering Consultant
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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.