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B. W. St. Clair, Inc.

Engineering Statement
in support of a
Digital Flash Cut Application for K28CS
Channel 28, Pahrump NV
Town of Pahrump

BACKGROUND

The applicant requests a flash cut on channel 28 to allow broadcasting with digital signals. The translator, K28CS, is currently licensed as an analog facility, BLTT19910611IX.

Applicant replaced the transmitter tower that had collapsed with a new tower in the same vicinity. We have learned from an outside source that the tower location is incorrect relative to the FCC's database. Therefore this application will correct the location coordinates and elevations for the new tower. All five licenses will be flash cut and the new location data updated in each application.

INTERFERENCE CONSIDERATIONS

Interference to the following station(s) was/were studied using "Population Loss Studies" based on the "Longley-Rice Terrain Algorithm" in accordance with OET Bulletin 69 as described above.¹ Population loss for full service TV and Class A or analog stations is less than 0.5% and less than 2% for any LPTV or translator DTV station. Cell size for service analysis is 1.0 km/side and distance increments for Longley-Rice Analysis is 1.0 km

FULL SERVICE DTV, CLASS A & LPTV STATIONS
None

Prepared By:
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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.