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B. W. St. Clair, Inc.

Engineering Statement
in support of a
Digital Flash Cut Application for K36BQ
Channel 36, Pahrump NV
Town of Pahrump

BACKGROUND

The applicant requests a flash cut on channel 36 to allow broadcasting with digital signals. The translator, K36BQ, is currently licensed as an analog facility, BLTT19910611IY. The analog translator is failing and the relay facilities to Pahrump have been converted to digital. The ABC affiliate in Las Vegas, KTNV, is anxious to have digital signals delivered to the people of Pahrump. Applicant will file for an STA to get moving on the conversion to digital.

Applicant has learned from an outside source that the tower location is incorrect. Therefore this application will correct the location coordinates and elevations for the new tower.

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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Engineering Consultant
15 February 2011

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.