

2355 Ranch Drive, Westminster, CO 80234
Phone: 303-465-5742 ~ Fax: 303-465-4067
E-Mail: StCl@Comcast.Net

B. W. St. Clair, Inc.

Engineering Statement
in support of an
Displacement Application for BLTT-3459
Channel 07, Overton, NV
Moapa Valley TV Maintenance District

BACKGROUND

Applicant has a licensed, translator station, K07IJ in Overton, NV. MVTMD is applying for a displacement to UHF-TV channel 14 and a digital flash cut on channel 14. KLAS-TV is assigned to channel 07 for its DTV operations and too near not to cause interference to applicants channel transmissions. The separation distance is well within the 265 km allowed by FCC rules for displacement. Applicant is installing a new UHF-TV panel antenna system to match coverage between all the stations, will increase ERP, and change to digital operation.

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:
Gordon H. Allison, Jr.
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¹ The analysis was performed on a Sun "Blade" Computer using the exact replica of the FCC's analysis program.