

B. W. St. Clair

Exhibit 8 - Engineering Statement

in support of a Minor Change
to a licensed facility, BLTT20030903ABQ
K45HD – Cedar City, UT
Iron County, UT

BACKGROUND

Applicant has a licensed translator station, K45HD, in Cedar City, UT. This application requests an ERP increase and the rotation of the antenna pattern to 300° true.

INTERFERENCE ANALYSIS

Interference to the following 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 these stations is less than 0.5%. Cell size for service analysis is 1.0 km/side and distance increments for Longley-Rice Analysis is 1.0 km.

FULL SERVICE TV & DTV STATIONS

None

LPTV STATIONS

BLTT19830801SS	K45AL, Ch. 45	Caliente, NV
BLTTL19830405IK	KWWB-LP, Ch. 45	Mesquite, NV
BLTT19831027IA	K45AO, Ch. 45	Pioche, NV

NOTE: Two LPTV translator stations may show up as causing interference. An application by Iron County, BNPTT20000831COK, was dismissed by the FCC in April 2005. BNPTT20000808AAU was withdrawn by the applicant, Iron County, within the last few days; however, it may still be in the FCC CDBS.

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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.