

B. W. St. Clair

Exhibit 6 - Engineering Statement
in support of an
Application BNPTTL20000830AHJ
Channel 49, Pittsburg, KS
DEAN M. MOSELY

BACKGROUND

Applicant holds a construction permit for K49GR at the present time. The applicant is filing to make an amendment to increase the ERP, change the antenna pattern and its orientation, and to move to a nearby tower that is available.

INTERFERENCE ANALYSIS

Interference to the following stations was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Algorithm" in accordance with OET Bulletin 69.¹ Population loss for these stations is less than 0.5%. **Cell size for service analysis is 2.0 km/side and distance increments for Longley-Rice Analysis is 1.0 km**

FULL SERVICE TV STATIONS
BLCT20040629ACO

KTKA-TV, Channel 49 Topeka, KS

FULL SERVICE DTV STATIONS
BPCDT19991026ABX

KGEB-DT, Channel 49 Tulsa, OK

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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.