

B. W. St. Clair, Inc.

Engineering Statement
supporting a
Digital Flash-cut Application for Licensed Station, BLTTV19891117JH
Channel 10, Crested Butte, CO
GUNNISON COUNTY METRO REC DISTRICT

BACKGROUND

Applicant is applying to flash cut channel 10 to digital operation and increase ERP to 60 watts. In addition, the antenna pattern will change. Coordinates will be corrected also for K10AK.

INTERFERENCE ANALYSIS

Interference to the following station was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Dependent 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.

FULL SERVICE DTV and Class A Stations & LPTV/Translator 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.