



B. W. St. Clair

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Engineering Statement
in support of a
License Modification, BLTTA-20010711AAH
Channel 36, College Place, WA
Blue Mountain Broadcasting Association

BACKGROUND

Applicant has a license for K36EW, channel 36, at the present time. The applicant is filing for a digital flash-cut and move to new studio location nearby.

This application is a minor modification to a licensed facility to move the station eastward 1 km. The proposed 51 dB μ contour overlaps the current 74 dB μ contour entirely. There is a slight ERP increase and the antenna pattern changes to omni from omnioid.

The transmitter site is 358 km from the Canadian border so no coordination is necessary. Additionally, the 1 dB μ contour does not go as far north as Spokane which is over half way from the southern border to the northern border.

INTERFERENCE CONSIDERATIONS

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 each station is less than 0.5%. Cell size for service analysis is 1.0km/side and distance increments for Longley-Rice Analysis is 1.0km.

FULL SERVICE TV & DTV STATIONS
NONE

LOW POWER TV STATIONS
BSTA20070516AAW KBWU-LP, Ch. 36 Richland, WA

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.