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***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 dBμ contour overlaps the current 74 dBμ 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 dBμ 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.<sup>1</sup> 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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<sup>1</sup> 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.