



2355 Ranch Drive, Westminster, CO 80234  
Phone: 303-465-5742 ~ Fax: 303-465-4067  
E-Mail: StCl@Comcast.Net

***B. W. St. Clair***

---

**Engineering Statement**  
in support of a  
**License Modification, BLTTL-19900813IG**  
Channel 22, Walla Walla, WA  
Blue Mountain Broadcasting Association

**BACKGROUND**

Applicant holds a license for K22BI-CA, channel 22, at the present time. The applicant is filing for a digital flash-cut and displacement from channel 22 to channel 21. There will be a slight increase in ERP and a change in the azimuthal antenna pattern.

This displacement application is a minor modification of a licensed facility to change to channel 21 to avoid interference from a co-channel station, KSKN-TV, channel 22, in Spokane, WA. KSKN-TV causes applicant 71% incoming interference. Note, Blue Mountain B/C Association owns K21EK (BLTTL-20071108AEM) and will take appropriate measures to eliminate interference between the two stations including displacement, if necessary.

The 19.5 dBμ contour does not get close to the Canadian border so no coordination is necessary.

**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  
BLTTL20071108AEM  
See note in paragraph 2 above.

K21EK, Ch. 21

Walla Walla, WA

Prepared By:  
Gordon H. Allison, Jr.  
8 July 2008

---

<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.