



***B. W. St. Clair, Inc.***

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**Engineering Statement**  
in support of a  
**Minor Modification to CP BDFCDTL-20070607ADC**  
**Channel 27, Monticello, NY**  
**John Mester Income Family Trust**

**BACKGROUND**

The applicant has a construction permit for a digital translator, W27AL, at the present time. Applicant proposes to modify the CP to put the translator on a new tower and decrease the ERP from 5 kW to 800 watts. The FCC tower registration number is added to the application. The designation of W27AL is changed to a translator from a LPTV station.

**INTERFERENCE CONSIDERATIONS**

Interference to other TV stations was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Dependent Algorithm" in accordance with OET Bulletin 69.<sup>1</sup> Population loss for full service TV and Class A or analog stations is less than 0.5% and less than 2% for any LPTV or translator DTV station. Cell size for service analysis is 1.0 km/side and distance increments for Longley-Rice Analysis is 1.0 km

Prepared By:

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Engineering Consultant  
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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.