



**LITTLE RIVER SURVEY**  
COMPANY, LLC

SURVEY | ENGINEERING | WETLANDS

Rich Parker, GSEC  
Director of Engineering  
Vermont Public Radio  
365 Troy Avenue  
Colchester, VT 05446  
December 5, 2010

Subject: Vermont Public Radio, Station WRVT, Rutland-Castleton

Dear Rich:

This letter is certification of the installation of the Directional Antenna for the above referenced radio station.

Antenna positions were recorded on December 2, 2010. Horizontal observations are based on True North and vertical observations are based on the North American Vertical Datum of 1988 (NAVD 88).

LRSC survey control was established on top of "Grandpa's Knob" using RTK GPS equipment and the Rutland CORS station. Antenna orientation and vertical measurements were made using a reflectorless total station.

The antenna was mounted at 59.9 meters above the center of the tower base. The center of the band on the middle antenna was observed at elevation 663.3 meters NAVD 88.

Orientation observations were made to two points on the tangent at the bottom of each of the three antenna sections. The antenna direction was at a North Azimuth of 220 degrees  $\pm$  1 degree.



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