

MINOR CHANGE APPLICATION
ST. THOMAS SEMINARY
W296AO FM TRANSLATOR STATION
CH 296D - 107.1 MHZ - 0.003 KW
NEW HAVEN, CONNECTICUT
June 2014

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of St. Thomas Seminary ("St. Thomas"), licensee of FM translator station W296AO, Channel 296D, New Haven, Connecticut. St. Thomas proposes to make minor changes to the W296AO facilities by replacing the existing directional antenna system with a new Electronics Research, Inc. Model 100A-1M-DA antenna. The directional antenna pattern of the new antenna is identical to the existing license W296AO directional pattern. As no other changes are proposed, the proposed W296AO facilities will remain virtually the same as the licensed W296AO facilities. The proposed W296AO facility will continue to rebroadcast the signal of non-commercial FM station WJMJ, Channel 205B1, Hartford, Connecticut. As the proposed/licensed W296AO 60 dBu contour is outside the WJMJ 60 dBu contour, W296AO is not considered a fill-in translator. Since the proposed change of directional antenna is at the W296AO licensed site, there is overlap of the 60 dBu contours of the proposed and licensed W296AO.

The proposed W296AO antenna system will be located on a pole atop a building, the same site and height as the licensed W296AO antenna. As the pole is only 20 feet in height, it does not require registration with the Commission.

Exhibit A is a study demonstrating that the proposed W296AO translator will not cause interference to any full service station, nor will interference be delivered to or received from any existing FM translator station or LPFM application.

Since the proposed W296AO translator antenna is to be located atop the a building and will be the only broadcast antenna at the location, the worksheets associated with FCC Form 349 were used to certify compliance with the radio frequency exposure requirements. A copy is attached as Exhibit B. All supporting data used in the preparation of this application has been forwarded to St. Thomas and is available for submission to the Commission upon request.¹

1) All data regarding broadcast facilities was extracted from the CDBS database on the date of the interference tabulation. We assume no liability for errors or omissions in that database which may be adverse to the requests contained herein. Only the radiofrequency exposure review of the environmental analysis was undertaken as part of this instant engineering application.