

**NEW FM TRANSLATOR APPLICATION**  
**BANGOR BAPTIST CHURCH**  
**NEW FM TRANSLATOR STATION**  
**CH 263D - 100.5 MHZ - 0.013 KW (DA)**  
**VASSALBORO, MAINE**  
**March 2003**

**TECHNICAL STATEMENT**

This technical statement was prepared on behalf of Bangor Baptist Church ("BBC"), an applicant seeking authority to construct a new FM translator station to re-broadcast the signals of station WHMX, Channel 289C2, Lincoln, Maine. The proposed translator is outside the protected service contour of WHMX. As such, this is not considered a fill-in translator.<sup>1</sup>

The new FM translator antenna system will be mounted on an existing tower 110 foot tower. In the process of preparing this instant application, it was determined that the tower failed the required slope test to the Waterville Maine Airport.<sup>2</sup> As such, the Federal Aviation Administration was apprised of this proposal. Further, once the FAA issues a Determination of No Hazard, the tower will be registered with the Commission.

Attached as Exhibit A is a study demonstrating that the proposed 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 tower on which the antenna is to be mounted is very short and there is another FM station sharing the tower, the worksheets

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- 1) WHMX is being operated as a non-commercial station.
  - 2) Based on the Commission's Tow-Air program.

associated with FCC Form 349 could not be used to demonstrate that this proposal is in compliance with the Commission's radio frequency radiation guidelines. Therefore, a study has been undertaken to show this proposal compliance with the Commission's radio frequency radiation guidelines (see Exhibit B).