

**NEW FACILITY APPLICATION**  
**LAWRENCE LOESCH AND MARGARET LOESCH**  
**NEW FM TRANSLATOR STATION**  
**CH 297D - 107.3 MHZ - 0.25 KW**  
**EDENTON, NORTH CAROLINA**  
**December 2017**

**TECHNICAL STATEMENT**

This Technical Statement and attached exhibits were prepared on behalf of Lawrence Loesch and Margaret Loesch ("Loesch"). Loesch herein seeks to establish a new FM translator station to retransmit the signal of its co-owned AM station WZBO, 1260 kHz, Elizabeth City, North Carolina, pursuant to DA 17-533, released June 6, 2017. This long form application is being submitted pursuant to DA 17-1069, released November 1, 2017.

The proposed new FM translator's antenna is to be located on an existing structure which has been registered with the FCC and assigned Antenna Structure Registration Number 1204672. Since no changes are proposed for the tower, the FAA was not notified of this proposal.

Loesch proposes to rebroadcast the signal of AM station WZBO, 1260 kHz, Edenton, North Carolina on the proposed new facility. The proposed new translator's 60 dBu contour is within 25.0 miles (40.0 kilometers) of the WZBO site; therefore, the new translator is considered a fill-in translator. Exhibit A is a map demonstrating compliance with the fill-in requirements.

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

Due to the co-location of the proposed new translator's antenna with the AM station, the worksheets associated with FCC Form 349 could not be used to demonstrate compliance with the Commission's human exposure guidelines for radio frequency radiation. Exhibit C documents compliance with the radio frequency radiation guidelines.

All other necessary documentation used to certify the technical portion of FCC Form 349 has been forwarded to Loesch and is available to the Commission upon request.<sup>1</sup>

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1) The undersigned has evaluated only the radio frequency radiation exposure portion of the environmental review. All data regarding broadcast facilities was extracted from the Commission's CDBS database on the date of this application. We assume no liability for errors or omissions in that database which may be adverse to the request contained herein.