

**MINOR CHANGE APPLICATION**  
**QANTUM OF FLORENCE LICENSE COMPANY, LLC**  
**W236BS FM TRANSLATOR**  
**CH 290D - 105.9 MHZ - 0.145 KW**  
**DARLINGTON, SOUTH CAROLINA**  
**April 2011**

**TECHNICAL STATEMENT**

This technical statement was prepared on behalf of Quantum of Florence License Company, LLC ("Quantum"), licensee of FM translator station W236BS, Channel 236D, Florence South Carolina.<sup>1</sup> Quantum herein proposes to make minor changes to the W236BS translator by relocating the facility and changing to Channel 290D.<sup>2</sup> The proposed W236BS translator will rebroadcast AM station WWRK, 1400 kHz, Darlington, South Carolina. The proposed translator's 60 dBu is contained within the 2.0 mV/m contour of WWRK and within 25 miles of the AM site, as shown on Exhibit A. Therefore, W236BS is considered a fill-in translator. As indicated on Exhibit B, the 60 dBu contour of the proposed W236BS translator on Channel 290D overlaps with a portion of the licensed W236BS's 60 dBu contour.

The proposed W236BS antenna system will be mounted on an existing tower. As such, the Federal Aviation Administration was not apprised of this proposal. The tower has been registered with the Commission and assigned Antenna Structure Registration Number 1201848. Exhibit C is a study demonstrating that the proposed W236BS on Channel 290 will not cause interference to any full service station, nor will interference be delivered to any existing FM translator station or LPFM application.

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- 1) The existing W236BS is presently off the air due to the commencement of operation of station WFRK, Channel 237A, Quinby, South Carolina. The change requested herein will allow the translator to return to operation.
  - 2) The change is to the Intermediate Frequency ("IF") channel.

As the proposed W236BS will be co-located with an AM station and a high power FM, the worksheets associated with Form 349 could not be used to demonstrate compliance with the FCC radio frequency radiation exposure rules. Therefore, attached as Exhibit D is a study which shows this proposal complies with the Commission's RF exposure limits. All supporting data used in the preparation of this application has been forwarded to Qantum and is available for submission to the Commission upon request. <sup>3</sup>

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3) Only the radio frequency exposure portion of the environmental analysis was undertaken by Graham Brock, Inc. 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.