

APPLICATION FOR STATION LICENSE
QANTUM OF FLORENCE LICENSE COMPANY, LLC
W290CD FM TRANSLATOR
CH 290D - 105.9 MHZ - 0.145 KW
DARLINGTON, SOUTH CAROLINA
July 2011

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Qantum of Florence License Company, LLC ("Qantum"), licensee of FM translator station W236BS, Channel 236D, Florence, South Carolina. Qantum has a construction permit to make minor changes in the W236BS facilities by relocating to another site and changing to Channel 290D (BPFT-20110421ABE). As a result of the channel change, the call sign for the translator is changed to W290CD. This call sign will be used throughout the remainder of this application. This instant application seeks a license to cover the outstanding permit. Exhibit A is a calculation of the transmitter power output for FM translator W290CD.

There are three special operating conditions/restrictions listed on the W290CD permit. Condition # 1 states that co-located AM station WWRK, 1400 kHz, Darlington, South Carolina¹ must determine operating power via the indirect method. Following the installation of the W290CD antenna and associated transmission line, an antenna base impedance measurement should be taken, and an application to return WWRK to the direct measurement of power should be submitted on FCC Form 302-AM. The antenna system and line which W290CD will be utilizing is the former WDAR-FM, Darlington, South Carolina auxiliary antenna system which

1) Qantum is the licensee of WWRK.

remained on the tower below the main WDAR-FM antenna system as an emergency antenna for the FM station. As this system has been located at the site for many years, no actual tower construction was needed to implement the W290CD translator. Further, the tower is not base-insulated. WWRK uses a three wire folded unipole as its feed system. Therefore, no change to WWRK resulted from the implementation of the W290CD facility. No application to return WWRK to the direct measurement of power is necessary. It is, therefore, believed that Condition #1 is not applicable.

Condition #2 states that Quantum will reduce the power of W290CD or cease operation to insure persons with access to the site are not exposed to radio frequency radiation levels above the limits. Quantum states that it will, in cooperation with other tower users, reduce the power of W290CD or cease operation, as necessary, to insure that persons having access to the tower will not be exposed to radio frequency electromagnetic fields in excess of the FCC's guidelines.

Condition #3 states that an application for license (FCC Form 350) must be on file before the commencement of operation. This instant application satisfies this condition. Based on the foregoing, it is believed that all conditions have been satisfied and W290CD has been constructed in compliance with the Commission's rules.