

MINOR CHANGE APPLICATION
NEW AUXILIARY FM ANTENNA
THE UNIVERSITY OF SOUTH CAROLINA
WUSC-FM RADIO STATION
CH 213A - 90.5 MHZ - 0.240 KW
COLUMBIA, SOUTH CAROLINA
February 2010

TECHNICAL STATEMENT

This Technical Statement and attached exhibits were prepared on behalf of The University of South Carolina ("USC"), licensee of FM radio station WUSC-FM, Channel 213A, Columbia, South Carolina. USC requests permission to construct a new auxiliary FM antenna system for WUSC-FM for use when the main system is out of service for repairs or maintenance. The proposed auxiliary system will operate with an effective radiated power of 0.240 kilowatt.

USC is proposing to locate the auxiliary antenna on an existing tower atop of a building in Columbia, South Carolina. Although the building and tower combination is less than 100 feet above ground, it was determined that the existing tower failed to meet the necessary FCC's slope test to a nearby local airport. Therefore, the Federal Aviation Administration ("FAA") was apprised of this proposal. Once the FAA issues its anticipated Determination of No Hazard, USC will register the structure with the Commission and amend this instant application to include an Antenna Structure Registration number. Since this is a proposed auxiliary antenna system, no allocation review, community coverage issues, main studio location, or interference issues are considered in this instant application.

Exhibit A is a map showing the proposed WUSC-FM auxiliary facility's 60 dBu contour will not extend beyond that of the licensed WUSC-FM's 60 dBu contour. The worksheets associated with Form 301 were used to certify compliance with the Commission's radio frequency radiation limits.¹ All other data used to certify the information contained in the application has been forwarded to USC and is available for submission to the Commission upon request.²

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- 1) The worksheets showed that the roof of the building on which the tower is located is controlled, so that the general public can not access the site. Based on this, the roof complies with the controlled exposure limits. A study can be provided to the Commission upon request.
 - 2) The undersigned has evaluated on the radio frequency radiation exposure limits of this proposal. Further, all data regarding broadcast facilities was extracted from the CDBS database, based on the certification date. We assume no liability for errors or omissions in that database that may be adverse to the requests contained herein.