

**MINOR CHANGE APPLICATION**  
**APEX BROADCASTING, INC.**  
**WAVF (FM) RADIO STATION**  
**CH 241C - 96.1 MHZ - 100.0 KW (DA)**  
**HANAHAN, SOUTH CAROLINA**  
**June 2004**

**TECHNICAL STATEMENT**

This Technical Statement and attached exhibits were prepared on behalf of Apex Broadcasting, Inc. ("Apex"), licensee of WAVF, Channel 241C1, Hanahan, South Carolina. Apex proposes to relocate the facility, increase the height above average terrain of WAVF, and upgrade the station to Channel 241C, pursuant to the Commission's one-step application process.

Apex is proposing to locate the antenna system for WAVF on an existing tower. As such, the Federal Aviation Administration was not appraised of this proposal. The tower has been registered with the Commission and assigned Antenna Structure Registration number 1051231. It is noted that WAVF is proposing to diplex its transmitter with the antenna system presently used by station WSUY, Channel 245C, Charleston, South Carolina (shared antenna). As such, once the equipment is installed, the antenna system will be checked for spurious and harmonic radiation due to the use of a common antenna and the results will be submitted to the Commission with the application for station license. It is noted that the WSUY antenna is directional to limit radiation in the direction of the Atlantic Ocean. As such, WAVF's antenna will also be classified as directional.<sup>1</sup>

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1) An envelope pattern was developed, based on the actual antenna system in use by WSUY, and was used for the preparation of the WAVF application. The actual pattern will be submitted with the application for station license.

At the proposed site, Channel 241C is fully spaced to all licensed, applied for or proposed facilities pursuant to §73.207 of the rules, provides 100% city grade coverage to Hanahan, South Carolina, and proposes to implement the improvement at an existing tower location. Therefore, this proposal complies with the Commission's allocation criteria for a one-step upgrade.

Because the proposed WAVF antenna system is co-located with several other FM stations and TV stations, the worksheets could not be used to certify radio frequency radiation compliance. As such, attached as Exhibit A is a radio frequency radiation statement demonstrating that this proposal complies with the Commission's radio frequency radiation rules. All other necessary documentation used to certify the technical portion of FCC Form 301 has been forwarded to the applicant and is available to the Commission upon request.