

Engineering Report  
Request for Special Temporary Authority  
WXVA, Winchester, VA  
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October 2013

## Abstract

This report is in support of an application for a Special Temporary Authority for WXVA, Winchester, VA to remain on the air during night hours with its licensed day antenna at reduced power. The licensed night antenna is no longer available for operations at night. This will permit the station to continue service to the public for the complete day, now that daytime savings will be ending and with the short winter days. The grant of this application will be a reinstatement of night operations as previously authorized under BESTA20121120AAP.

WXVA was transferred to Winchester Radio Broadcasters, LLC (WRB) on 1 March 2011 as a silent AM radio station without studio, transmitter location or significant equipment.

Since acquiring WXVA, WRB restored operation of the station by establishing a new transmitter and studio location, and was issued a new license for day facilities for WXVA (BL20111129GCP) to utilize an available transmitter site.

## Application

This request is to reinstate to operation of WXVA during night hours, at reduced power utilizing an omnidirectional antenna from the licensed day site, a different site than that described for night operation in the license, a site which is not available to the licensee for broadcasting.

WXVA is licensed at 380 Watts ND-D, 500 Watts, DA-N. This request is to operate at 125 Watts ND-N (  $\frac{1}{4}$  of its authorized night power) with its licensed day antenna from local sunset until 6 AM local time, to maintain service to Winchester during night hours. The STA is requested for operation from local sunset until 6 AM local time, as WXVA is authorized PSRA operation from that time until local sunrise.

The licensee is consolidating the new operations to become profitable and undertake a search for permanent night facilities for the station. WRB has continued its search for alternate night transmitter sites or diplexing opportunities. It has become painfully apparent that securing an AM tower site that can serve Winchester at night has been extremely difficult, while simultaneously meeting the requirements of principal community coverage and the "ratchet clause".

While WRB searches for a new site, it is essential that WXVA be permitted to operate during night hours, particularly with the end of Daylight Savings Time and the short winter days. The licensee recognizes that this STA is issued on the condition that it does not cause interference to other stations, and that the licensee will decrease power or make other adjustments to eliminate such objectionable interference if it occurs.

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## Description of Antenna

The day antenna proposed to be used at night is a folded unipole mounted on an self supporting tower, tower registration number 1025561, and is fully described in BL-20111129GCP.

## Environmental Statement

The power requested is lower than the daytime licensed power. The licensed power has been shown to meet the standards for exposure of humans to nonionizing radiation, and protection of personnel on the tower at greater daytime licensed power.

## Engineer's Statement

This is to certify that this report has been prepared by myself. It is correct and accurate of my own knowledge, except were stated otherwise, and where that is so, the information is correct to the best of my knowledge and belief.

I further certify that I am a Licensed Professional Engineer in the State of New Jersey, and the Commonwealth of Pennsylvania with a BSEE degree from the Newark College of Engineering of NJIT, and that I am, and have been for over thirty years, regularly engaged in the practice of radio engineering with the firm of Radiotechniques Engineering, LLC, with offices at 402 Tenth Avenue, Haddon Heights, NJ. I am a member of the AFCCE, Life Senior member of the IEEE and SBE and hold a FCC General Radiotelephone Operator License. My qualifications are a matter of record with the FCC.

30 October 2013



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Edward A. Schober, PE