

Engineering Report
Request for Special Temporary Authority
WXVA, Winchester, VA
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Abstract

This report is in support of an application for an Engineering STA for WXVA, Winchester, VA to remain on the air during night hours with its licensed day antenna at reduced power so as to continue service to the public, and to maintain minimum operating schedule.

WRB has operated WXVA using its licensed day facilities and under previous STAs for night operation. WXVA now has an FM translator and limited night operation during months when minimum operating schedule are met. As the days get shorter, we request an STA to serve Winchester during evening hours. We therefore request an STA for six months, commencing on 1 October 2016.

Application

This request is to restore 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 and this request is to operate at 125 Watts ND-N 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 only, as WXVA is authorized PSRA operation from that time until local sunrise at its full daytime power.

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.

Description of Antenna

The proposed antenna is a folded unipole mounted on an existing self supporting tower, tower registration number 1025561, and is fully described in BL-20111129GCP.

The power requested is less than the daytime licensed power. The licensed power has been

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shown to meet the standards for exposure of humans to nonionizing radiation, and protection of personnel on the tower at licensed power.

Extraordinary Relief

The licensee has restored the WXVA licensed day operation and is consolidating the new operations to become profitable and undertake a search for permanent night facilities for the station. WRB has been unable to locate an alternative site from which WXVA can meet all the allocation requirements for 610 kHz, and the space for a directional antenna.

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 where 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, 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.



13 September 2016

Edward A. Schober, PE