227 Central Avenue
Metuchen, NJ 08840-1242
(732) 494-6400 Phone
(732) 494-6401 Fax

Merrill Weiss Group LLC

Consultants in Electronic Media Technology / Management

Technical Statement for Auxiliary Antenna Construction Permit Application:

WSOC Television, LLC
Station WAXN-TV, Facility ID 12793
Channel 32
Kannapolis, NC

Minor Modification of Licensed Facility in File No. BXLCDT-20100803ABS

Introduction

This Technical Statement provides supplemental technical data and information associated with an application for a Minor Modification of the WAXN-TV Licensed Auxiliary Antenna Facility in File Number BXLCDT-20100803ABS. The Auxiliary antenna will be associated with the facility authorized in the License in File Number 0000034847 covering the change to Channel 32 by WAXN-TV in the Commission's Post-Incentive Auction Spectrum Repack. The Auxiliary antenna will be mounted at a Radiation Center height Above Ground Level (RC-AGL) of 177.0 meters. The antenna will be non-directional, horizontally polarized, and having an Effective Radiated Power (ERP) of 15.0 kW. The LMS ingest system will not permit the channel shown on the application to be changed from that on the license for the facility to be modified; consequently, FCC Staff will be requested to make the necessary change.

Locations of Predicted Noise-Limited Contours

Section 73.1675(c)(1) of the FCC rules requires that an exhibit be provided demonstrating compliance with the requirements of §73.1675(a) that the service contour of the Auxiliary antenna not extend beyond the contour of the Main antenna. Figure 1 provides a map showing the Main antenna contour in green and the proposed Auxiliary antenna contour in violet. As can be seen on the map, the Auxiliary contour falls well inside the Main contour in all directions.

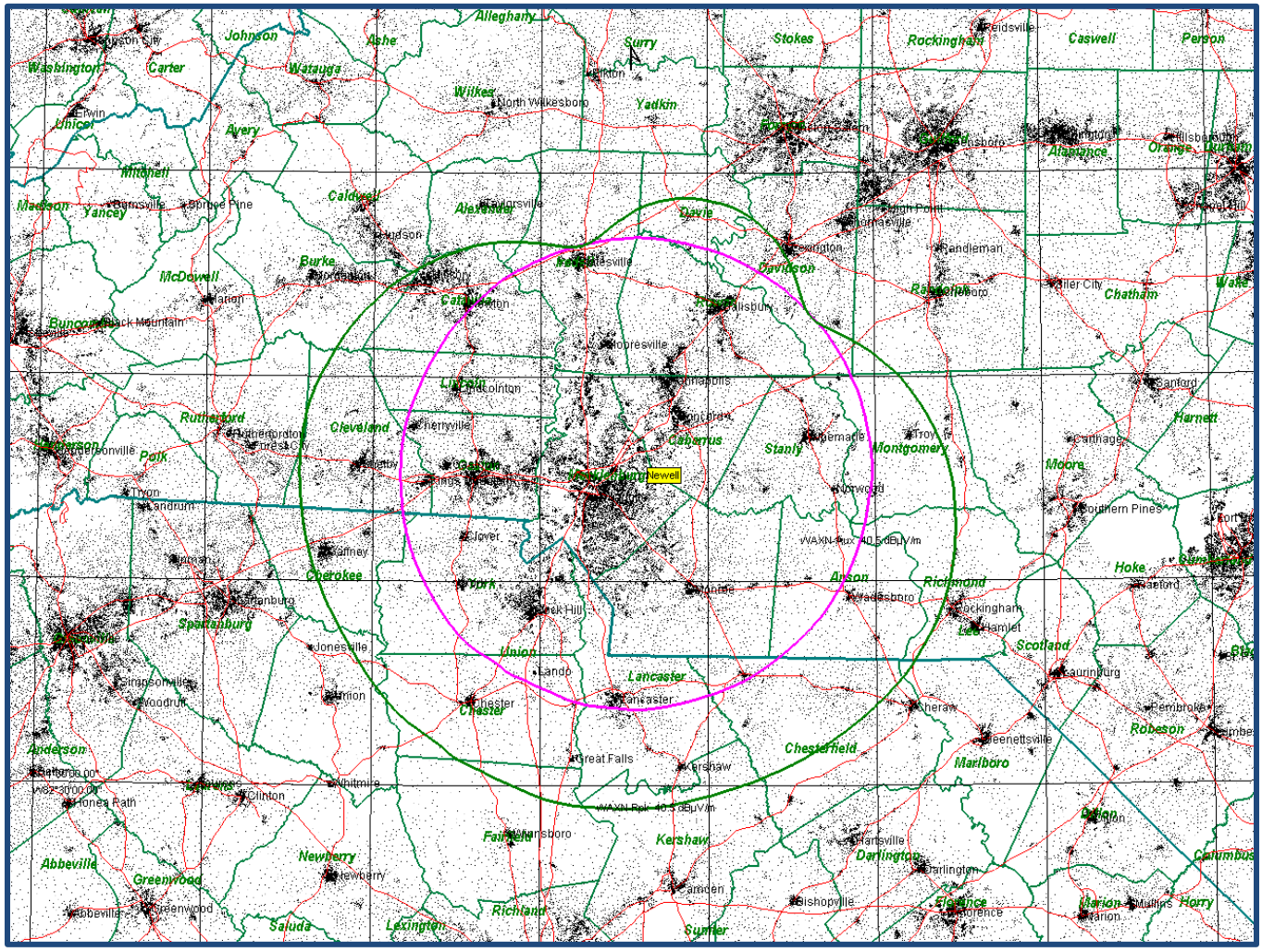

Figure 1 – Contours of WAXN-TV Main antenna (in green) and proposed Auxiliary antenna (in violet) on Post-Repack Channel 32.

Environmental Impact/Radio Frequency Radiation

Information on effects of installation and operation of the proposed Auxiliary antenna on the environment and with respect to predicted radio frequency radiation are contained in a separate document filed with the current application as an attachment in the Technical Certifications category in the LMS ingest system.