

## **ENGINEERING TECHNICAL STATEMENT**

Pursuant to DA 18-884 released on August 27, 2018, a host station must file a minor change application to its current channel sharing license for a construction permit specifying the host station's post-auction channel and parameters previously authorized in its post-auction construction permit. Accordingly, this minor change application is being filed to comply with the required transition filing obligation for post-transition operation which will trigger the LMS to file a post-auction license application on behalf of the Sharee station (WYCW) upon the filing of the post-auction license application by the host station (WSPA).

**It should be noted that the LMS will not allow the applicant to change Pre-Auction Channel 7 to Post-Auction Channel 11 as required; therefore, Nexstar requests the Commission to manually make the change.** The TPO Calculations for post-auction operation are as follows:

- Post-Filter TPO: 8.22 dBk (6.64 kW)
- Transmission Line Loss: 0.42 dB (90.8%)
- Antenna Input Power: 7.80 dBk (6.0 kW)
- Maximum Antenna Power Gain: 7.45 dB (5.56)
- Effective Radiated Power: 15.25 dBk (33.5 kW)

## **ANTENNA HEIGHT RADIATION CENTER CORRECTION**

A recent structural analysis revealed that the tower height without appurtenances is 119.8 m AGL which is 4.8 m higher than what is depicted in the antenna structure registration (ASRN 1206410). Since the authorized antenna height radiation center above ground level is based on the tower height without appurtenances in the ASR instead of the actual tower height without appurtenances depicted in the structural analysis, the antenna height radiation must be corrected by increasing it 4.8 m from the authorized height of 124.4 m AGL to the actual antenna height radiation of 129.2 m AGL. Accordingly, this minor change application hereby requests to correct the authorized antenna height radiation center (File Number 0000034743) from 124.4 m AGL to 129.2 m AGL and TVStudy demonstrates that this correction will not result in impermissible interference to any stations.

**CERTIFICATION**

This technical statement was prepared by William T. Godfrey, Jr., Engineering Associate with the firm Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida, and has been working with the firm in the field of radio and television broadcast consulting since 1998. Mr. Godfrey was a graduate from the University of North Florida and a Distinguished Military Graduate from the University of Florida. As a Professional in the field of Telecommunications he states under penalty of perjury that the information contained in this report is true and correct to the best of his knowledge and belief.

A handwritten signature in blue ink that reads 'William T. Godfrey, Jr.' with a stylized flourish at the end.

WILLIAM T. GODFREY, JR., CBT  
Engineering Associate

30 August, 2019