

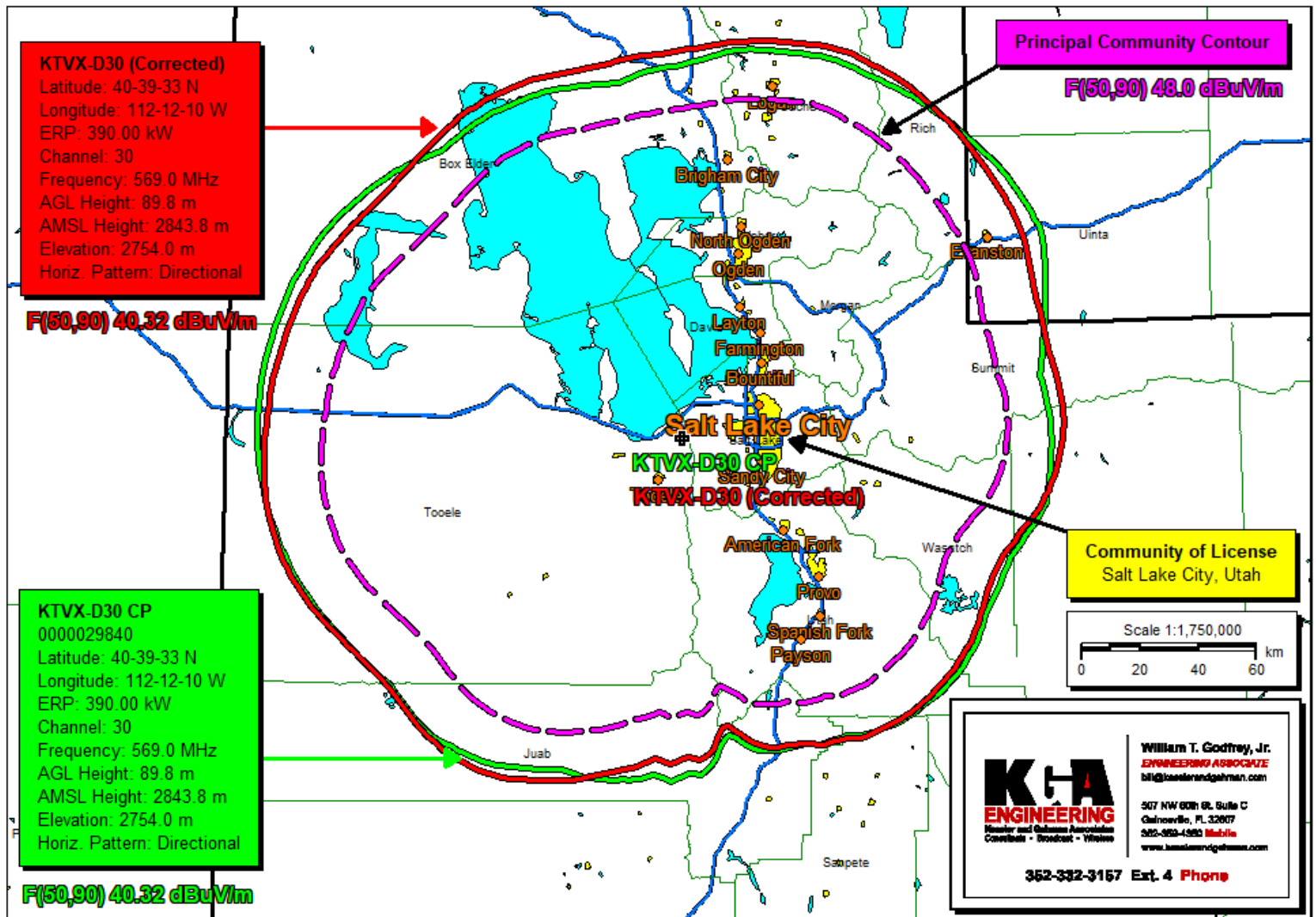
**PURPOSE OF STA – Expedited Processing Requested**

Nexstar Broadcasting Inc. (Nexstar) is licensed to operate the KTVX-DT Channel 40 pre-transition facility with an ERP of 475.7 kW at an antenna height radiation center of 77.7 m Above Ground Level (AGL) on a support structure located at the Farnsworth Peak transmitter site in Salt Lake City, UT (ASRN No. 1062408). A license to Cover a post-transition construction permit was recently filed for the KTVX-D30 facility (File Number: 0000063633) based on parameters provided by the antenna manufacturer (Kathrein); however, Kathrein recently informed Nexstar that it designed the master antenna system, which supports eight DTV stations (DTV Utah), with an incorrect antenna pattern. Accordingly, Nexstar plans to withdraw the pending post-transition license application and file a minor modification of construction permit application (File Number: 0000029840) to correct the azimuth pattern based on the most recent antenna electrical data provided by Kathrein and follow it up with a license to cover application as soon as a construction permit is issued. While these steps take place, the KTVX-D30 post-transition facility will need to operate under an STA using the corrected antenna electrical data provided by Kathrein.

Since the master antenna system has already been built and is now operational, this STA requests to operate using parameters that will be requested in the minor modification of construction permit application and license to cover application. As mentioned above, the corrected antenna electrical data provided by Kathrein results in a slightly different horizontal azimuth pattern for the KTVX-D30 post-transition facility (see map below). Therefore, the corrected F(50,90) 40.32 dBuV/m protected noise limited contour will slightly exceed the currently authorized F(50,90) 40.32 dBuV/m protected noise limited contour along a few azimuths; however, TVStudy confirms that the change will not result in impermissible interference to one or more stations.

The proposed KTVX-30 STA facility will completely encompass its community of license with the F(50,90) 48.0 dBu principal community contour (see showing below).

The proposed STA is in the public interest since it is essential in keeping the KTVX-D30 facility on the air while the corrected post-transition construction permit subsequent and license applications are filed and granted.



**KTVX-D30 CP vs. KTVX-D30 (Corrected Antenna Electrical Data)**

## 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.

  
WILLIAM T. GODFREY, JR., CBT  
Engineering Associate

3 January, 2019