

## **PURPOSE OF STA AMENDMENT**

The purpose of this STA amendment application is to update the interim antenna and ERP. The existing Dielectric TFU-32DSB-R O3 antenna for the licensed facility was going to be used as the interim antenna while the new top-mount post-transition antenna is installed. The plan was to lower the existing antenna in order to make room for the gin pole; however, the tower crew discovered that the existing antenna has a 4-way power divider and would have to be disassembled into 4 pieces which would delay the on-air time for the interim facility and thus the build-out timeline for the main facility. Accordingly, in order to expedite the build-out process, Nexstar shipped a Dielectric model TFU-8WB C160 interim antenna to the KTAL site that was previously being used by another Nexstar station as an interim antenna in an earlier phase. Therefore, this STA amendment request to operate the KTAL pre-transition interim facility with a Dielectric model TFU-8WB C160 antenna at a lower height (355 m center of radiation) using the existing 6-1/8" transmission line. Since the TFU-8WB C160 has an input power rating of only 20 kW, the maximum ERP the interim facility can operate at without exceeding the antenna input power rating is 240 kW. The proposed KTAL interim facility at reduced parameters will completely encompass its community of license with the F(50,90) 48.0 dBu principal community contour and will not exceed its licensed F(50,90) 38.83 dBu pre-transition protected noise limited contour in any azimuthal direction (see showing below).

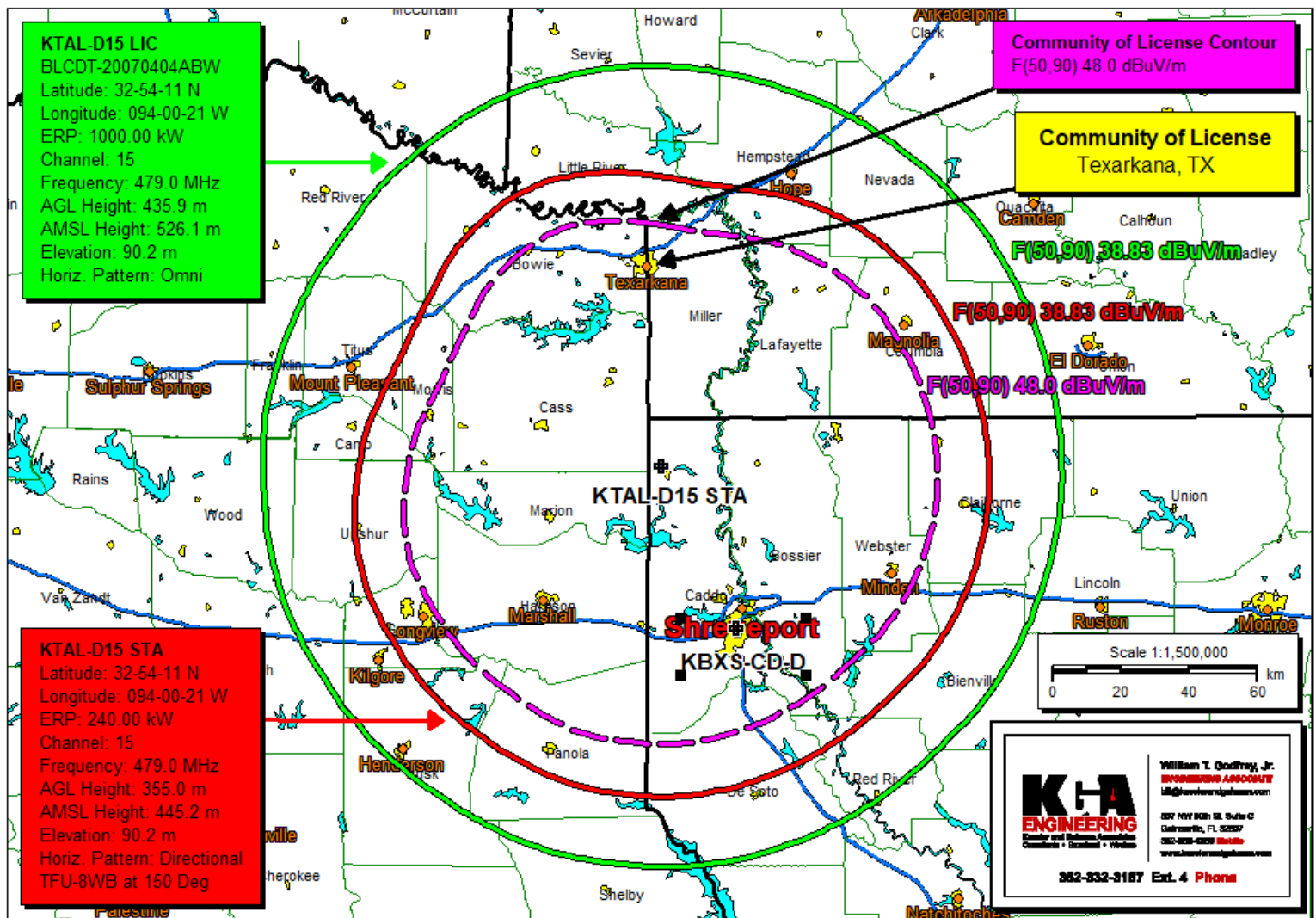
## **CERTIFICATION**

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.*  
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14 February, 2019



**KTAL-D15 LIC vs KTAL-D15 STA (TFU-8WB C160 at 150 Deg)**