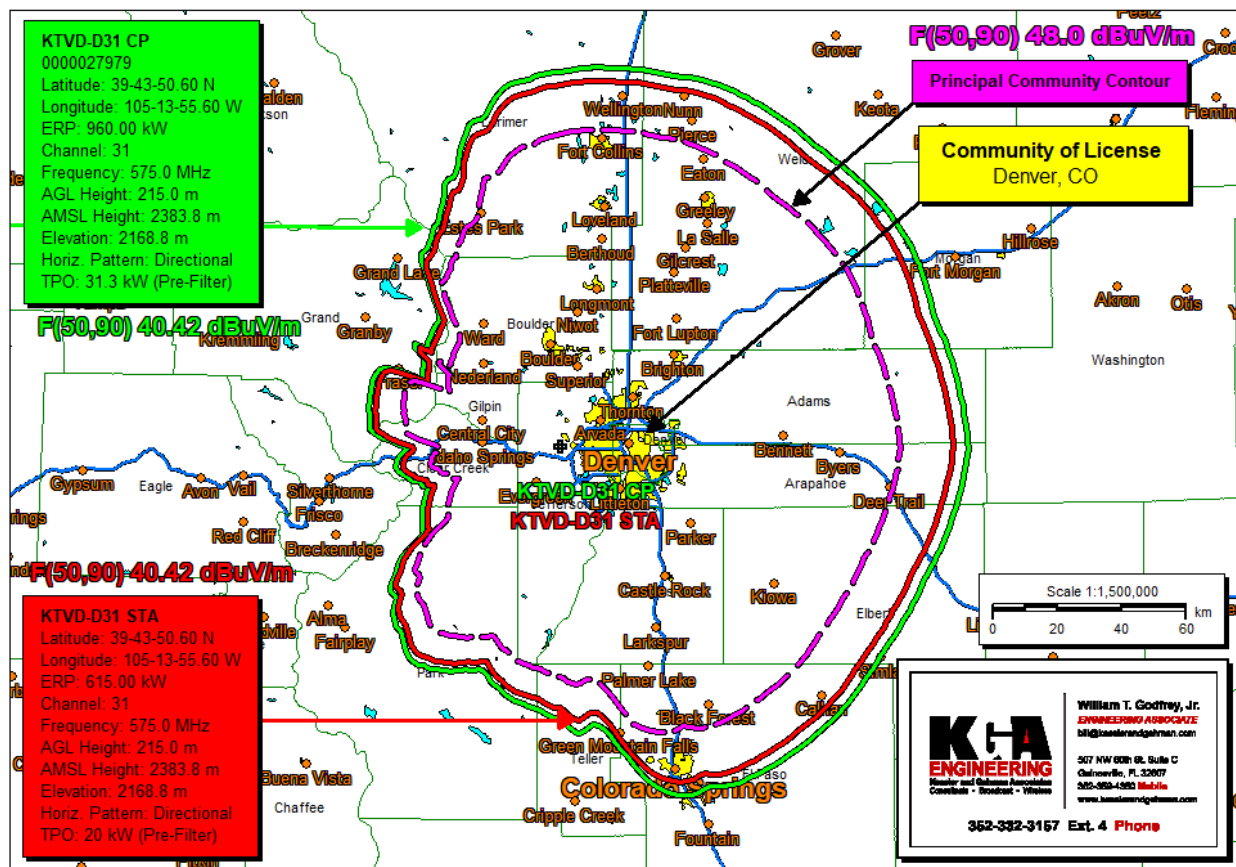


PURPOSE OF ENGINEERING STA

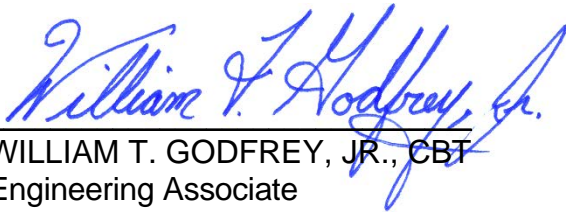
This Engineering STA is requested in order to operate at reduced parameters as required for the KTVD post-transition build-out related to the FCC Repack. In order to conduct services for the required combiner, the KTVD facility must split its transmitter cabinets which will result in a maximum TPO of only 20.0 kW on its post-transition channel (31). The licensed TUC-C4SP-12/48U-4-T antenna has an elevation gain of 14.43 dB; an azimuth gain of 1.95 dB; and the total system loss of 1.49 dB; therefore, based on the maximum available TPO of 20 kW, the proposed STA will be able to operate with an ERP of 615 kW. The proposed temporary operation of the KTVD-DT Channel 31 facility will produce a F(50,90) 48.0 dBuV/m principal community contour which completely encompasses the community of Denver, CO as can be seen in the showing below. Accordingly, the station requests authorization to operate at the proposed reduced parameters in order to facilitate the FCC repack and the station's post-transition build-out.



KTVD-D31 CP vs. KTVD-D31 (20 kW TPO)

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

10 December, 2018