

ENGINEERING TECHNICAL STATEMENT

The KAMC-D Channel 27 full-service digital television broadcast facility is currently licensed to operate using a side-mount, horizontally polarized, nondirectional antenna with an ERP of 1,000 kW and an antenna height radiation center of 215.2 m AGL (File Number BLCDDT-20080227ABN) and also has a construction permit to operate using a top-mount, horizontally polarized, nondirectional antenna with an ERP of 490 kW and an antenna height radiation center of 263.1 m AGL (File Number 0000052586). This minor modification application requests authorization to make the following changes to the existing construction permit (File Number 0000052586):

- Change from a Dielectric model TUA-O4-16/64H-1-R-T nondirectional, top-mount, horizontally polarized antenna to a Dielectric model TFU-24WB-R C160 directional, side-mount, horizontally polarized antenna.
- Change antenna height radiation center from 263.1 m AGL (863 ft) to 228.6 m AGL (750 ft)
- Change ERP from 490 kW to 1,000 kW in order to compensate for the decreased height.
- Change electrical beam tilt from 0.75° to 0.50°.

The proposed facility's F(50,90) 40.05 dBuV/m protected noise limited contour is predominantly encompassed by the authorized facility's F(50,90) 40.05 dBuV/m protected noise limited contour; however, it will slightly exceed the authorized facility's F(50,90) 40.05 dBuV/m protected noise limited contour in several azimuthal directions (See enclosed Exhibit 1). As demonstrated in the enclosed TVStudy Report, the proposed facility will not cause impermissible interference to any stations.

EXPEDITED PROCESSING

Expedited processing is requested since the proposed antenna is already installed and operating under an STA. Expediting this application will allow the licensee to promptly file an application for license to cover the construction permit.

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.



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