

AMENDED ENGINEERING EXHIBIT

Second Filing Window

Application for Modification of Construction Permit

LeSEA Broadcasting of Tulsa, Inc.

KWHB (TV) Tulsa, OK

Facility ID. 37099

Ch. 16 26 kW (H), 7.8 kW (V) 182.4 m

LeSEA Broadcasting of Tulsa, Inc. (KWHB, Facility ID 37099) holds a Construction Permit for a post-auction facility on Channel 16. LeSEA proposes to modify the facility as permitted in the Second Filing Window.

The proposed Channel 16 operation will employ a new top-mount antenna at a new site on an existing building roof. The roof site Antenna Structure Registration is 1013337. There will be no change in overall structure height by addition of the antenna.

The antenna is an elliptically polarized non-directional Dielectric model TFU-16GTH/VP-R O4. LeSEA proposes to operate KWHB with an effective radiated power of 26 kW (H) and 7.8 kW (V) at 182.4 m above average terrain.

Since coverage will be less than 95% of the baseline population, a loss study is included as a separate attachment.

As shown in the *TVStudy* analysis exhibit, the proposal complies with interference protection requirements based on a cell size of 1.0 km and profile point spacing of 1.0 km.

In some of the 18 incoming Ix scenarios interference from KOZK (BLANK0000034615) reaches 0.01%, KOCM (BLANK0000034483) reaches 0.94%, and KUTU-CD (BLANK0000026567) reaches 0.52%. LeSEA Broadcasting of Tulsa, Inc. accepts the referenced ixstudy incoming interference levels.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the FCC's OET Bulletin Number 65. Based on equation 10 and considering 7 percent antenna relative field in depression angles between 20° and 90°, the calculated signal density near the tower at two meters above roof level attributable to the proposed facility is 0.0864 mW/cm², which is 5.3 percent of the occupational/controlled maximum permitted exposure limit (1.62 mW/cm² for TV channel 16). The building management has procedures in place which assure worker safety with respect to RF radiation exposure. Warning signs are placed appropriately and RFR protective Naptex suits are used. Additionally, roof top work will be spread out and power reduced to lessen RF exposure. After completion of the facility, measurements will be made on the building rooftop and the top floor to demonstrate compliance.

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