ENGINEERING EXHIBIT

Second Filing Window

Application for Modification of Construction Permit

LeSEA Broadcasting of South Bend, Inc.

WHME-TV South Bend, IN

Facility ID. 36117

Ch. 36 260 kW (H), 78 kW (V) 304.3 m

LeSEA Broadcasting of South Bend, Inc. (WHME-TV, Facility ID 36117) holds a Construction Permit for a post-auction facility on Channel 36. LeSEA proposes to maximize the facility as permitted in the Second Filing Window.

The proposed Channel 36 operation will employ a new top-mount antenna, replacing the existing analog antenna which is no longer in service. The Antenna Structure Registration is 1060842. There will be no change in overall structure height.

The antenna is an elliptically polarized directional Dielectric model TFU-29JTH/VP-R O6. LeSEA proposes to operate WHME-TV with an effective radiated power of 260 kW (H) and 78 kW (V) at 304.3 m above average terrain.

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

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 20 percent antenna relative field in downward elevations, the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 5.42 μ W/cm², which is 1.35 percent of the general population/uncontrolled maximum permitted exposure limit.

Prepared by Larry Vehorn Director of Engineering LeSEA Broadcasting