

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION KVHP
LAKE CHARLES, LOUISIANA
CHANNEL 18 300 KW (MAX-DA) 393 m

1. The instant application is the initial 90 day application for the reassigned facilities of KVHP, Lake Charles, Louisiana (Ch. 18). It is proposed to replace the existing side-mount antenna with a new top-mount antenna. The antenna radiation center height will change from 323.0 meters AMSL to 400.8 meters AMSL. There will be no change in the overall structure height of the existing tower.

2. The proposed maximum directional effective radiated power was adjusted to 300 kW to account for differences in the current and proposed directional antenna patterns and antenna height. Although there is some extension of the predicted service area relative to the baseline reassignment facility listed in the FCC's *Closing and Reassignment Public Notice*, the extension will not exceed 1% in any direction. The proposed facility is also compliant with the 95% population service requirement. See attached FCC *TVStudy* analysis exhibit. Also, the proposal complies with the city coverage requirements as demonstrated in the Predicted Coverage Contours exhibit.

3. As also demonstrated in the *TVStudy* analysis exhibit, the proposal complies with the FCC's interference protection requirements based on a cell size of 2.0 km and profile resolution of 1.0 points/km.

4. RFR Compliance: A RF Hazard statement is attached demonstrating that the proposed operation complies with the FCC's limits on human exposure to RF energy.