

TECHNICAL SUMMARY

TELEVISION STATION KPLR-TV  
ST. LOUIS, MISSOURI  
CHANNEL 26 1000 KW (H), 190 KW (V) 315 M HAAT

1. The instant application for modification of construction permit was prepared on behalf of KPLR-TV, St. Louis, MO (Channel 26).<sup>\*</sup> By means of this modification application, the proposed KPLR-TV transmitting antenna location will be moved to a tower adjacent to the tower authorized in the KPLR-TV construction permit.<sup>†</sup> The proposed new antenna location is the existing supporting tower for KTVI, St. Louis, MO (Channel 33), on which its transmitting antenna is top-mounted. The antenna structure registration number of the KTVI tower is 1044421.

2. The transmitting antenna model and height will be changed to reflect the specifications for the new tower location and mounting configuration. The proposed transmitting antenna will be side-mounted with its radiation center at a height of 292.0 m AGL. There will be no increase in the overall structure height as a result of the change. The proposed nominal non-directional effective radiated power (ERP) is specified to be 1000 kW (H) and 190 kW (V) with an antenna height above average terrain (HAAT) of 315 m.

3. The instant proposal is compliant with the interference protection requirements of the FCC Rules. The results the FCC's *TVStudy* analysis are shown in an exhibit with the instant application.

4. The instant proposal is compliant with the city coverage requirements of St. Louis, which is demonstrated in the Predicted Coverage Contours exhibit.

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<sup>\*</sup> See FCC File No. 00000127593.

<sup>†</sup> The antenna structure registration number for the tower authorized in the construction permit is 1002991.