

Engineering Statement
Modification of Construction Permit Facility
KRIV Channel 26 Houston, TX
May 27, 2021

The purpose of this application is to modify the outstanding Construction Permit (File No. 0000035805) of KRIV Channel 26 Houston, TX.

The change proposed in this application is to replace the previously authorized ERI model ATW25H3-CTCX-26S antenna with RFS model PEP46T. The antenna change will also require a slight adjustment to center of radiation height. The previously authorized height was 617.0 m AMSL and the new height will be 617.2 m AMSL.

An analysis using the FCC's TVStudy software **with a 0.5-km cell size** (all other parameters at default setting) has indicated that KRIV can make the proposed changes without causing new interference to other stations above the allowable de minimis limit. A copy of the TVStudy analysis results file showing no interference above the allowable de minimis limit is attached to this application.

It is noted the 1,000 kW ERP exceeds the limit for the HAAT (598 m); however, the power level remains unchanged from that authorized in the outstanding Construction Permit.

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