

**Engineering Statement  
Minor Modification of Licensed Facility  
KTBC Channel 7 Austin, TX  
November 27, 2017**

The purpose of this application is to modify the Post-Incentive Auction Facility of KTBC Channel 7 Austin, TX as permitted during the current Filing Window.

The change proposed in this application is to increase the effective radiated power (ERP) from 98.6 kW to 180 kW.

An analysis using the FCC's TVStudy software with its default settings has indicated that KTBC can increase its ERP to 180 kW 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 180 kW ERP exceeds the limit for the HAAT (381 m); however, the proposed increase is in accordance with Section 73.622(f)(5), to achieve a coverage area on par with the "largest station in the market". The KTBC proposed facility at 180 kW appears to be smaller than KAKW-DT, Channel 13, licensed to Killeen, TX (same DMA as KTBC).

The predicted coverage area of KAKW-DT is 46,784.0 square kilometers whereas the predicted coverage area of the proposed KTBC facility is only 46,121.8 square kilometers

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