

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION WPPX-TV
WILMINGTON, DELAWARE
CHANNEL 34 213 KW (H), 51.6 KW (V) 371 M HAAT

1. The instant application is the initial 90-day ‘Checklist’ application for the reassigned facilities of WPPX-TV, Wilmington, DE (Channel 34). The proposed WPPX-TV facility will replace a side-mounted antenna with a new side-mounted antenna of similar type with a similar azimuthal radiation pattern. There will be no change in the overall registered structure height.
2. The ground elevation of the transmitter site was updated to agree with the antenna structure registration data. With that change, the antenna radiation center height above mean sea level is specified as 438.9 m. In addition, it is noted that the antenna radiation center height above average (HAAT) was re-calculated to the value in agreement with that given by the FCC’s *TVStudy* analysis software.
3. There is a small azimuthal pattern difference in the proposed facility relative to the WPPX-TV baseline reassignment facility. However, the predicted service area of the proposed facility is within 1% of the WPPX-TV baseline reassignment facility listed in the FCC’s Closing and Channel Reassignment (CCR) *Public Notice*. See attached *TVStudy* Analysis.
4. The proposed facility is compliant with the 95% population service requirement relative to the CCR baseline facility as outlined in the CCR.
5. The instant proposal is compliant with the principal city coverage requirements of Wilmington, DE. This is illustrated in the Predicted Coverage Contours exhibit (Figure 1).