

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION WCPX-TV
CHICAGO, ILLINOIS
CHANNEL 34 91 KW (MAX-DA) 510 M HAAT

1. The instant application is the initial 90-day ‘Checklist’ application for the reassigned facilities of WCPX-TV, Chicago, IL (Channel 34). The proposed WCPX-TV facility will employ the existing top-mounted broadband antenna mounted on the East Tower of the Willis Building with no physical changes in the installation. The existing antenna is a RFS model PHP24C, which will operate on Channel 34. However, operation of the antenna on Channel 34 will result in an altered azimuth pattern due to the shift in frequency.

2. As a result of the altered Channel-34 azimuth pattern, it was necessary to reduce the proposed maximum effective radiated power (ERP) to 91 kW to maintain the predicted service area of the proposed facility within 1% of the WCPX-TV baseline reassignment facility listed in the FCC’s Closing and Channel Reassignment (CCR) *Public Notice*. See attached *TVStudy* Analysis.

3. The proposed facility is compliant with the 95% population service requirement relative to the CCR baseline facility as outlined in the CCR.

4. The instant proposal is compliant with the principal city coverage requirements of Chicago. This is illustrated in the Predicted Coverage Contours exhibit (Figure 1).