

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION KPXN-TV
SAN BERNARDINO, CALIFORNIA
CHANNEL 24 746 KW (MAX-DA) 905 M HAAT

1. The instant application is the initial 90-day ‘Checklist’ application for the reassigned facilities of KPXN-TV, San Bernardino, CA (Channel 24). The proposed KPXN-TV facility will replace a side-mounted antenna with a new side-mounted antenna of similar type. There will be no change in the overall structure height.
2. Although there is no change in the antenna radiation center height, 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. The proposed antenna will have an identical horizontal plane pattern shape as now licensed for KPXN-TV on Channel 38 and as given for the KPXN-TV reassignment facility on Channel 24. The mechanical beam tilt of the antenna is specified at 1.2° at 220°True, which, in combination with the given azimuth pattern and elevation pattern produces precisely the same horizontal plane pattern for the proposed Channel 24 facility as now licensed for KPXN-TV on Channel 38.
4. There is no extension of the predicted service area relative to the baseline reassignment facility listed in the FCC’s Closing and Channel Reassignment (CCR) *Public Notice*. Also, 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 San Bernardino.* This is illustrated in the Predicted Coverage Contours exhibit (Figure 1).

* The proposed Channel 24 facility is identical to the FCC’s reassigned facility for KPXN-TV and it is precisely equivalent to the KPXN-TV facility that is licensed on Channel 38.