

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION KPXM-TV
ST. CLOUD, MINNESOTA
CHANNEL 16 375 KW (H), 66.2 KW (V) 449 M HAAT

1. The instant application is the initial 90-day ‘Checklist’ application for the reassigned facilities of KPXM-TV, St. Cloud, Minnesota (Channel 16). The proposed KPXM-TV facility will replace a side-mounted antenna with a top-mounted pylon with an increase in the antenna radiation center height from 433 m AGL to 451.9 m AGL. There will be no change in the overall structure height, since the new antenna will fit within the aperture space of an unused pylon antenna to be removed from the top of the tower.

2. The proposed maximum directional effective radiated power was adjusted to 375 kW to account for the increase in antenna radiation center height and change in antenna azimuth pattern. 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.

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