

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION WNPX-TV
COOKEVILLE, TENNESSEE
CHANNEL 32 676 KW (H), 289.7 KW (V) 427 M HAAT

1. The instant application is the initial 90-day application for the reassigned facilities of WNPX-TV, Cookeville, TN (Channel 32). The proposed WNPX-TV facility will replace a pole-mounted antenna with a new pole-mounted antenna of similar type at the same height. There will be no change in the overall structure height.

2. Due to a minor difference in antenna azimuth pattern due to the change in antenna for Channel 32, there is a very minor extension of the predicted service area relative to the baseline facility listed in the FCC's Closing and Channel Reassignment (CCR) *Public Notice*. The proposed predicted service area is compliant with the FCC's 1% service contour extension limitation. This minor predicted service area extension is believed to be justified under the FCC guidelines due to the need ensure no loss of signal in the direction of the city of license of Cookeville.

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 not compliant with the city coverage requirements of Cookeville based on the standard FCC contour prediction model (*See* Figure 1). The instant proposal is, however, consistent with the facility for WNPX-TV allotted by the FCC in the CCR, which is an equivalent facility to that licensed to WNPX-TV for pre-auction operations. *See* FCC File Nos. BMPCDT-20030918ABL; BLCDT-20040401ANA. Accordingly, implementation of the facilities proposed in the instant application will result in the coverage of Cookeville remaining essentially unchanged from the coverage provided by the authorized WNPX-TV facility on Channel 36.

5. As demonstrated in the FCC's *TVStudy* analysis exhibit, the WNPX-TV proposal is fully compliant with the interference protection requirements.