

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION WPXA-TV
ROME, GEORGIA
CHANNEL 16 670 KW (H), 167.7 KW (V) 596 M HAAT

1. The instant application is the initial 90-day 'Checklist' application for the reassigned facilities of WPXA-TV, Rome, GA (Channel 16). The proposed WPXA-TV facility will replace a top-mounted antenna with a new top-mounted antenna of similar type at the same height. It is noted that the antenna radiation center height above average terrain (HAAT) has been adjusted to agree with the FCC's *TVStudy* calculation procedure. However, there will be no change in the height of the antenna radiation center as now authorized; nor in the overall structure height as a result of the change.†

2. The FCC Antenna Structure Registration for the WPXA-TV supporting structure shows a 'structure' height of 229 m AGL. The instant FCC Form 2100, therefore, automatically pre-filled that information from the FCC's antenna structure registration database. However, this tower structure height was altered during the first DTV transition when the tower supported a stack of top-mounted Channel-14 and Channel-51 antennas. The tower structure supporting the top-mounted antenna is now in actuality 220 m in height AGL. ION is not the owner of the tower structure and cannot correct the FCC's records with respect to the tower structure.

3. The proposed maximum effective radiated power was adjusted to 670 kW to account for minor differences in the proposed antenna azimuth pattern and the WPXA-TV baseline facility antenna 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.

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