

TECHNICAL SUMMARY  
APPLICATION FOR CONSTRUCTION PERMIT  
TELEVISION STATION WPXL-TV  
NEW ORLEANS, LOUISIANA  
CHANNEL 33 575 KW (MAX-DA) 271 M HAAT

1. The instant application is the initial 90-day ‘Checklist’ application for the reassigned facilities of WPXL-TV, New Orleans, LA (Channel 33). The proposed WPXL-TV facility will employ the existing top-mounted broadband antenna with no physical changes in the installation. The existing antenna is a Dielectric model TUD-C5SP-10/50U-2-B, which will operate on Channel 33. However, operation of the antenna on Channel 33 will result in an altered azimuth pattern due to the shift in frequency.

2. The ground elevation of the transmitter site was updated to agree with the antenna structure registration data. With that change, the antenna radiation center height above mean sea level is specified as 271.9 m. In addition, 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. As a result of the altered Channel-33 azimuth pattern, the maximum effective radiated power (ERP) was reduced to 575 kW to maintain the predicted service area of the proposed facility within 1% of the WPXL-TV baseline reassignment facility listed in the FCC’s Closing and Channel Reassignment (CCR) *Public Notice*. See attached *TVStudy* Analysis.

4. 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 New Orleans. This is illustrated in the Predicted Coverage Contours exhibit (Figure 1).