

TECHNICAL SUMMARY
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION WFXG
AUGUSTA, GEORGIA
CHANNEL 36 27.5 KW (ND) 362 m

1. The instant application is the initial 90 day application for the reassigned facilities of WFXG, Augusta, Georgia (Ch. 36). It is proposed to replace the existing side-mounted directional antenna with a new side-mounted directional antenna. There will be no change in the antenna radiation center height (445 meters AMSL). There will also be no change in the overall structure height of the existing tower (ASRN 1045869).

2. The proposed maximum directional effective radiated power was adjusted to 27.5 kW to account for differences in the current and proposed directional antenna patterns. Although there is some extension of the predicted service area relative to the baseline reassignment facility listed in the FCC's *Closing and Reassignment Public Notice*, the extension will not exceed 1% in any direction. The proposed facility is also compliant with the 95% population service requirement. See attached *TVStudy* analysis exhibit. In addition, the proposal complies with the city coverage requirements as demonstrated in the Predicted Coverage Contours exhibit.

3. As also demonstrated by the *TVStudy* analysis, the proposal complies with the FCC's interference protection requirements based on a cell size of 2.0 km and profile resolution of 1.0 points/km.

4. RFR Compliance: A RF Hazard statement is attached demonstrating that the proposed operation complies with the FCC's limits on human exposure to RF energy.