

**ENGINEERING STATEMENT  
FOX TELEVISION STATIONS, LLC  
MINOR MODIFICATION OF CONSTRUCTION PERMIT FILE NUMBER 0000027486  
WRBW, ORLANDO, FL  
CP: CH 28, 587 KW(H) NON-DIRECTIONAL, 515.4 m HAAT  
PROPOSED: CH 28, 1000 KW(CP) NON-DIRECTIONAL, 429 m HAAT**

This statement supports an application by FOX Television Stations, LLC, licensee of WRBW, to make a minor change in its construction permit LMS File Number 0000027486 to construct its assigned post-auction television repack facility.

Applicant proposes to relocate its transmission facility to a tower located 2.7 km southwest of its current location. The proposed tower at the new location bears the FCC Antenna Registration Number of 1032097. Applicant also proposes to increase its Effective Radiated Power (ERP) from 587 kW to 1000 kW using circular polarization. The relocation of WRBW will have little affect on its coverage area and the proposed service contour will continue to totally encompass the city of Orlando.

WRBW serves the Orlando-Daytona Beach-Melbourne DMA. The coverage area for WRBW at the proposed 1000 kW ERP is predicted to be 38591.0 square kilometers which is under its assigned baseline coverage of 39649.1 square kilometers. WRBW is, therefore, in compliance with the requirement of §73.622(f)(5) of the rules for increasing its ERP up to a maximum of 1000 kW since the coverage for WRBW will still be less than its assigned baseline coverage.

An interference analysis was performed pursuant to the parameters used by the Commission for application interference processing, with the exception of the following.

**TVSTUDY PROCESSING REQUEST**

Applicant requests that the TVStudy processing be conducted with the following settings:

1. A Profile Point Spacing of 0.1 km
2. A cell size of 1 km/side

The analysis was performed using the methodology stated in OET-69 using the same software (TVStudy v2.2.3) utilized by the Commission and, therefore, should yield similar results.