

**ENGINEERING STATEMENT  
FOX TELEVISION STATIONS, LLC  
MINOR MODIFICATION OF LICENSE FILE NUMBER 0000143935  
WRBW, ORLANDO, FL**

**PROPOSED: CH 28, 1000 KW(H), 826 KW(V), NON-DIRECTIONAL, 446 m HAAT**

This statement supports an application by FOX Television Stations, LLC, licensee of WRBW, to make a minor change in its licensed facility, LMS File Number 0000143935, to change the make and model of its main antenna.

Applicant proposes to change the antenna manufacturer from ERI to Dielectric. The new antenna will use elliptical polarization in the amount of 82.6% from that of horizontal. The center of radiation will be within one meter of that currently authorized. The antenna azimuth pattern will remain omnidirectional.

An interference analysis was performed pursuant to the parameters used by the Commission for application interference processing. TVStudy for the proposed modification shows WRBW causing 1.58% of interference into DTV station WXPX-TV, Bradenton, FL. It is noted that TVStudy shows this interference being present with the currently licensed WRBW facility and in the same amount of 1.58%. No new interference is predicted.

The results of the analysis showed that the proposed modification for WRBW is neither predicted to cause interference in excess of that allowed by the rules nor cause any new interference into WXPX-TV. The analysis was performed using the methodology stated in OET-69 using the same software (TVStudy v2.2.5) utilized by the Commission and, therefore, should yield similar results.