

**ENGINEERING STATEMENT  
FOX TELEVISION STATIONS, LLC  
TELEVISION STATION WOFL, ORLANDO, FL  
FCC FILE NUMBER 0000121957  
APPLICATION TO SIMULCAST ON ATSC 3.0 (NEXT GEN TV)**

This statement supports an application by FOX Television Stations, LLC, licensee of full-power digital television station WOFL, to transmit an ATSC 3.0 "Next generation" TV signal on a currently operating 3.0 "Lighthouse" station.

The Commission has adopted rules to allow current ATSC 1.0 stations to transition to the Next Generation television standard of ATSC 3.0.<sup>1</sup> The purpose of this statement is to demonstrate that WOFL will be in compliance with the coverage requirements stated in the rules.

WOFL is not proposing to make any changes that would affect coverage of its current ATSC 1.0 station that transmits on UHF Channel 33. WOFL is proposing to simulcast its ATSC 1.0 signal in an ATSC 3.0 format on full-power television station WRBW which operates on channel 28 as an ATSC 3.0 Lighthouse station and will serve as the host. WRBW is also licensed to FOX Television Stations, LLC.

WOFL is licensed to serve Orlando, FL, and within the Orlando - Daytona Beach - Melbourne, Florida, DMA. WRBW is also licensed to the city of Orlando, FL, and within that same DMA. The city of Orlando is well inside the noise-limited contour of WRBW. Attached as Figure 1 to this statement is a map showing the noise limited contour of WOFL's current ATSC 1.0 facility and the noise limited contour of WRBW, which would be the ATSC 3.0 simulcast host station for WOFL.

The cyan shaded area of the map shows the Orlando - Daytona Beach - Melbourne, Florida, DMA. The map clearly shows both stations being within the DMA and, therefore, satisfies the ATSC 3.0 coverage requirement for WOFL.<sup>2</sup>

Considering the above, WOFL will be in full compliance concerning the coverage requirements as stated in the Rules for simulcasting its ATSC 1.0 signal in an ATSC 3.0 format on host station WRBW.

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<sup>1</sup> See 47 C.F.R. § 73.3801

<sup>2</sup> See 47 C.F.R. § 73.3801(d)

**Figure 1**  
**Coverage Comparison for WOFL ATSC 1.0 and ATSC 3.0 Transmissions**  
**ATSC 1.0: RF Ch 33, 1000 kW, Non-Directional, 447 m HAAT**  
**ATSC 3.0 (WRBW, Host): Ch 28, 1000 kW, Non-Directional, 447 m HAAT**  
**Orlando - Daytona Beach - Melbourne, FL DMA Shown in Cyan**

