

**ENGINEERING STATEMENT
NEW WORLD COMMUNICATIONS OF TAMPA, INC.
TELEVISION STATION WTVT, TAMPA, FL
FCC FILE NUMBER BLCDT-20080410AAF
APPLICATION TO SIMULCAST ATSC 3.0 USING A HOST STATION**

This statement supports an application by New World Communications of Tampa, Inc., licensee of full-power digital television station WTVT, to transmit an ATSC 3.0 "Next generation" TV signal on an operating ATSC 3.0 host station, WMOR-TV.

The Commission has adopted rules to allow current ATSC 1.0 stations to transition to the Next Generation television standard of ATSC 3.0.¹ The purpose of this statement is to show that WTVT will be in compliance with the coverage requirements stated in the rules.

WTVT is not proposing to make any changes that would affect coverage of its current ATSC 1.0 station that transmits on VHF Channel 12. WTVT is proposing to simulcast its ATSC 1.0 stream in an ATSC 3.0 format on full-power television station WMOR-TV which operates on channel 18 and will serve as the ATSC 3.0 host station.

WTVT is licensed to serve Tampa, FL, and is within the Tampa-St. Petersburg (Sarasota) Designated Market Area ("Tampa DMA"). WMOR-TV is licensed to the city of Lakeland, FL, which is also inside the Tampa DMA. Attached as Figure 1 to this statement is a map showing the noise limited contour of WTVT's ATSC 1.0 facility and the noise limited contour of WMOR-TV, the ATSC 3.0 simulcast host station for WTVT.

The light green shaded area of the map shows the Tampa DMA. The map clearly shows both stations being within the Tampa DMA and, therefore, satisfies the ATSC 3.0 coverage requirement for WTVT.²

Considering the above, WTVT will be in full compliance concerning the coverage requirements as stated in the Rules.

¹ See 47 C.F.R. § 73.3801

² See 47 C.F.R. § 73.3801(d)

Figure 1
Coverage Comparison for WTVT ATSC 1.0 and ATSC 3.0 Transmissions
ATSC 1.0: RF Ch 12, 72.3 kW, Directional, 436 m HAAT
ATSC 3.0 (Hosted by WMOR-TV): RF Ch 18, 1000 kW, Non-Directional, 459 m HAAT
Tampa-St. Petersburg (Sarasota), FL DMA shown in Light Green

