

**ENGINEERING STATEMENT  
FOX TELEVISION STATIONS, LLC  
TELEVISION STATION KCPQ, TACOMA, WA  
FCC FILE NUMBER BLCDT-20090918ABR  
APPLICATION TO SIMULCAST ATSC 3.0 USING A HOST STATION**

This statement supports an application by FOX Television Stations, LLC, licensee of full power digital television station KCPQ, to transmit an ATSC 3.0 "Next generation" TV signal on an operating ATSC 3.0 host station, KONG.

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 show that KCPQ will be in compliance with the coverage requirements stated in the rules.

KCPQ is not proposing to make any changes that would affect coverage of its current ATSC 1.0 station that transmits on VHF Channel 13. KCPQ is proposing to simulcast its ATSC 1.0 stream in an ATSC 3.0 format on full-power television station KONG which operates on RF channel 31 and will serve as the ATSC 3.0 host station.

KCPQ is licensed to serve Tacoma, WA, and is within the Seattle-Tacoma Designated Market Area ("DMA"). KONG is licensed to the city of Everett, WA, and also inside the Seattle-Tacoma DMA. Attached as Figure 1 to this statement is a map showing the noise limited contour of KCPQ's ATSC 1.0 facility and the noise limited contour of KONG, the ATSC 3.0 simulcast host station for KCPQ.

The cyan shaded area of the map shows the Seattle-Tacoma DMA. The map clearly shows both stations being within the Seattle-Tacoma DMA and, therefore, satisfies the ATSC 3.0 coverage requirement for KCPQ.<sup>2</sup>

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

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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 KCPQ ATSC 1.0 and ATSC 3.0 Transmissions**  
**ATSC 1.0: RF Ch 13, 30.0 kW, Non-Directional, 610 m HAAT**  
**ATSC 3.0 (Hosted by KONG): Ch 31, 679 kW, Directional, 220 m HAAT**  
**Seattle-Tacoma, WA, DMA shown in Cyan**

