

**ENGINEERING STATEMENT
NW COMMUNICATIONS OF AUSTIN, INC.
TELEVISION STATION KTBC, AUSTIN, TX
FCC FILE NUMBER BLCDDT-20100122ACM
APPLICATION TO SIMULCAST ATSC 3.0 USING A HOST STATION**

This statement supports an application by NW Communications of Austin, Inc., licensee of full power digital television station KTBC, to transmit an ATSC 3.0 "Next generation" TV signal on an operating ATSC 3.0 host station, KXLK-CD.

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 KTBC will be in compliance with the coverage requirements stated in the rules.

KTBC is not proposing to make any changes that would affect coverage of its current ATSC 1.0 station that transmits on VHF Channel 7. KTBC is proposing to simulcast its ATSC 1.0 stream in an ATSC 3.0 format on Class A television station KXLK-CD which operates on channel 14 and will serve as the ATSC 3.0 host station.

KTBC is licensed to serve Austin, TX, and is within the Austin Designated Market Area ("DMA"). KXLK-CD is also licensed to the city of Austin, TX, and inside the Austin DMA. The city of Austin, TX is inside the protected contour of KXLK-CD. Attached as Figure 1 to this statement is a map showing the noise limited contour of KTBC's ATSC 1.0 facility and the protected contour of KXLK-CD, the ATSC 3.0 simulcast host station for KTBC.

The cyan shaded area of the map shows the Austin DMA. The map clearly shows both stations being within the Austin DMA and, therefore, satisfies the ATSC 3.0 coverage requirement for KTBC.²

Considering the above, KTBC 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 KTBC ATSC 1.0 and ATSC 3.0 Transmissions
ATSC 1.0: RF Ch 7, 98.6 kW, Directional, 383 m HAAT
ATSC 3.0 (Hosted by KXLK-CD): Ch 14, 15 kW, Directional
Austin, TX DMA shown in Cyan

