

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WCWB LICENSEE, LLC, licensee of full-power digital television station WPNT-DT, Channel 21 in Pittsburgh, Pennsylvania, in support of its request for Special Temporary Authority to operate the station with the ATSC 3.0 transmission standard and transfer its secondary ATSC 1.0 programming streams to station WTAE-DT, Channel 27 in Pittsburgh. It is important to note that the primary programming stream of WPNT-DT will be transmitted by WPGH-DT, Channel 20 in Pittsburgh, and the engineering support for that proposal is contained in the WPNT-DT Application for Modification of License.

Exhibit B is a map upon which the WPNT-DT and WTAE-DT noise-limited service contours are plotted. As shown, the majority of the WPNT-DT service contour overlaps that of WTAE-DT. Indeed, the “loss area” population that will be created as a result of the transfer of WPNT-DT’s secondary ATSC 1.0 programming to WTAE-DT is only 6.6% of the total service population of WPNT-DT. Conversely, the additional area served by WTAE-DT that is presently not served by WPNT-DT contains 81,519 people, according to the 2018 U.S. Census Estimate data.

It is also important to note that WTAE-DT places a city-grade service contour over the entirety of the WPNT-DT city of license, Pittsburgh, Pennsylvania, as shown in Exhibit C. This is not unexpected, since WTAE-DT is also licensed to Pittsburgh, Pennsylvania. Thus, the instant application meets the requirements of Section 73.3801(c) of the Commission’s Rules.

EXHIBIT A

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read "K. T. Fisher". The signature is written in a cursive style with a large initial "K" and a distinct "F" at the end.

KEVIN T. FISHER

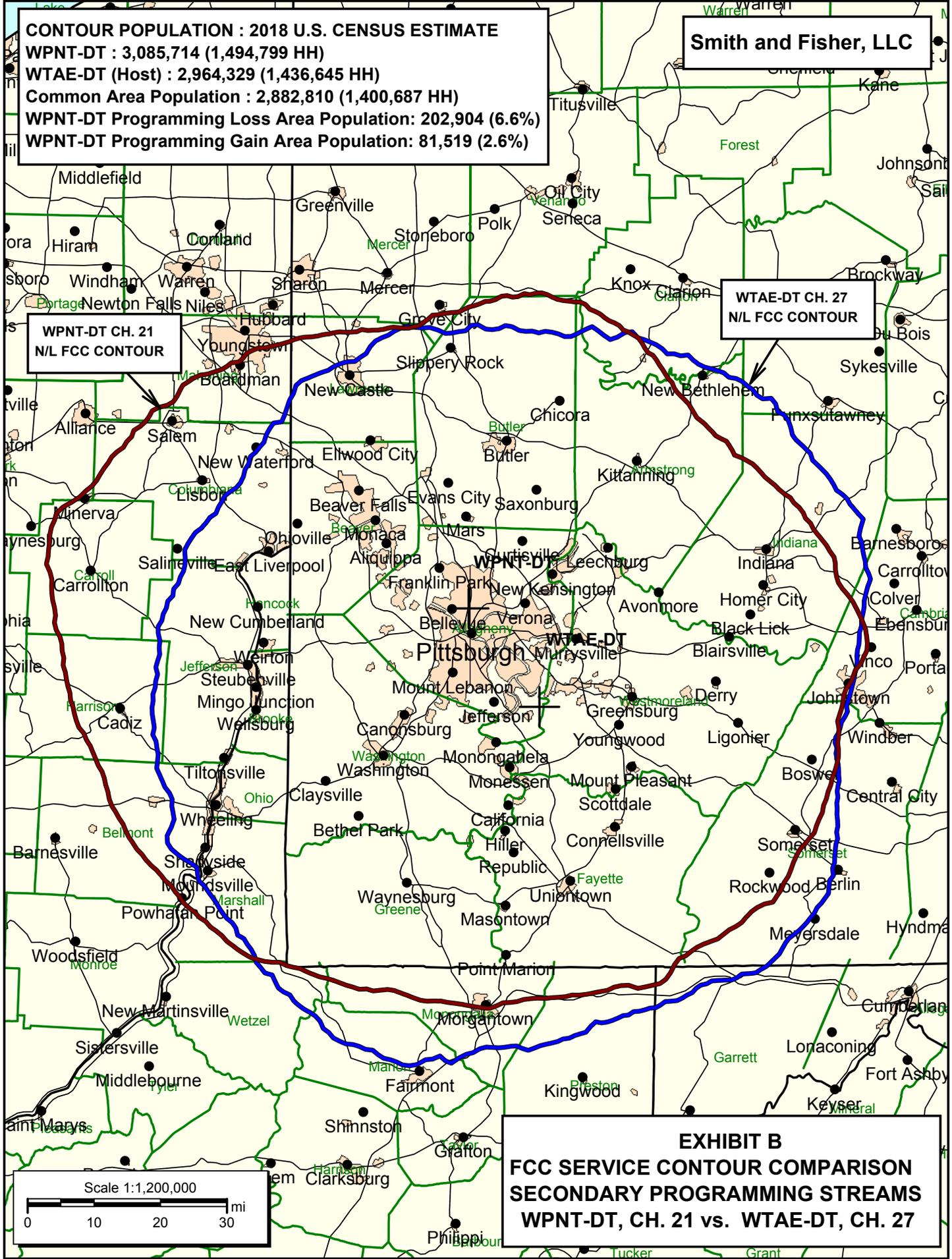
April 16, 2020

**CONTOUR POPULATION : 2018 U.S. CENSUS ESTIMATE**  
**WPNT-DT : 3,085,714 (1,494,799 HH)**  
**WTAE-DT (Host) : 2,964,329 (1,436,645 HH)**  
**Common Area Population : 2,882,810 (1,400,687 HH)**  
**WPNT-DT Programming Loss Area Population: 202,904 (6.6%)**  
**WPNT-DT Programming Gain Area Population: 81,519 (2.6%)**

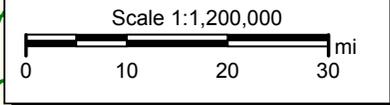
**Smith and Fisher, LLC**

**WTAE-DT CH. 27  
 N/L FCC CONTOUR**

**WPNT-DT CH. 21  
 N/L FCC CONTOUR**



**EXHIBIT B**  
**FCC SERVICE CONTOUR COMPARISON**  
**SECONDARY PROGRAMMING STREAMS**  
**WPNT-DT, CH. 21 vs. WTAE-DT, CH. 27**



**Smith and Fisher, LLC**

**WTAE-DT 48 DBU  
CITY-GRADE CONTOUR**

**EXHIBIT C  
FCC CITY-GRADE SERVICE CONTOUR  
SECONDARY PROGRAMMING STREAMS  
WPNT-DT ON WTAE-DT : PITTSBURGH, PA**

