

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WUXP LICENSEE, LLC, licensee of full-power digital television station WUXP-TV, Channel 21 in Nashville, Tennessee, in support of its Application for Modification of License to operate the station with the ATSC 3.0 transmission standard. It is proposed that during the time that the facility will be transmitting in ATSC 3.0, the primary ATSC 1.0 programming of WUXP-TV will be transmitted by station WKRN-TV, Channel 27 in Nashville.

Exhibit B is a map upon which the WUXP-TV and WKRN-TV noise-limited service contours are plotted. As shown, the majority of the WUXP-TV service contour overlaps that of WKRN-TV. Indeed, the “loss area” population that will be created as a result of the transfer of WUXP-TV’s primary ATSC 1.0 programming to WKRN-TV is only 2.8% of the total service population of WUXP-TV. Conversely, the additional area served by WKRN-TV that is presently not served by WUXP-TV contains 156,775 people, according to the 2018 U.S. Census Estimate data. Therefore, this proposal meets Section 73.3801(f)(6)(ii) of the FCC Rules which requires that the new ATSC 1.0 host station cover at least 95% of the service population of the station that elects to operate under the new ATSC 3.0 format. As a result, expedited processing of this proposal is respectfully requested and believed to be justified.

It is also important to note that WKRN-TV places a city-grade service contour over the entirety of the WUXP-TV city of license, Nashville, Tennessee, as shown in Exhibit C. This is not unexpected, since WKRN-TV operates from the same transmitter site as WUXP-TV and

Is licensed to the same community as WUXP-TV. Thus, the instant application meets the requirements of Section 73.3801(c) of the Commission's Rules.

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 stylized with a large "K" and "F".

KEVIN T. FISHER

September 18, 2021

CONTOUR POPULATION : 2018 U.S. CENSUS ESTIMATE
WUXP-TV : 2,649,793 (1,101,834 HH)
WKRN-TV (Host) : 2,733,675 (1,142,236 HH)
Common Area Population : 2,576,900 (97.2% of WUXP-TV Service Pop.)
WUXP-TV Programming Loss Area Population: 72,893 (2.8%)
WUXP-TV Programming Gain Area Population: 156,775

SMITH AND FISHER, LLC

**WUXP-TV CH. 21
N/L FCC CONTOUR**

**WKRN-TV CH. 27
N/L FCC CONTOUR**

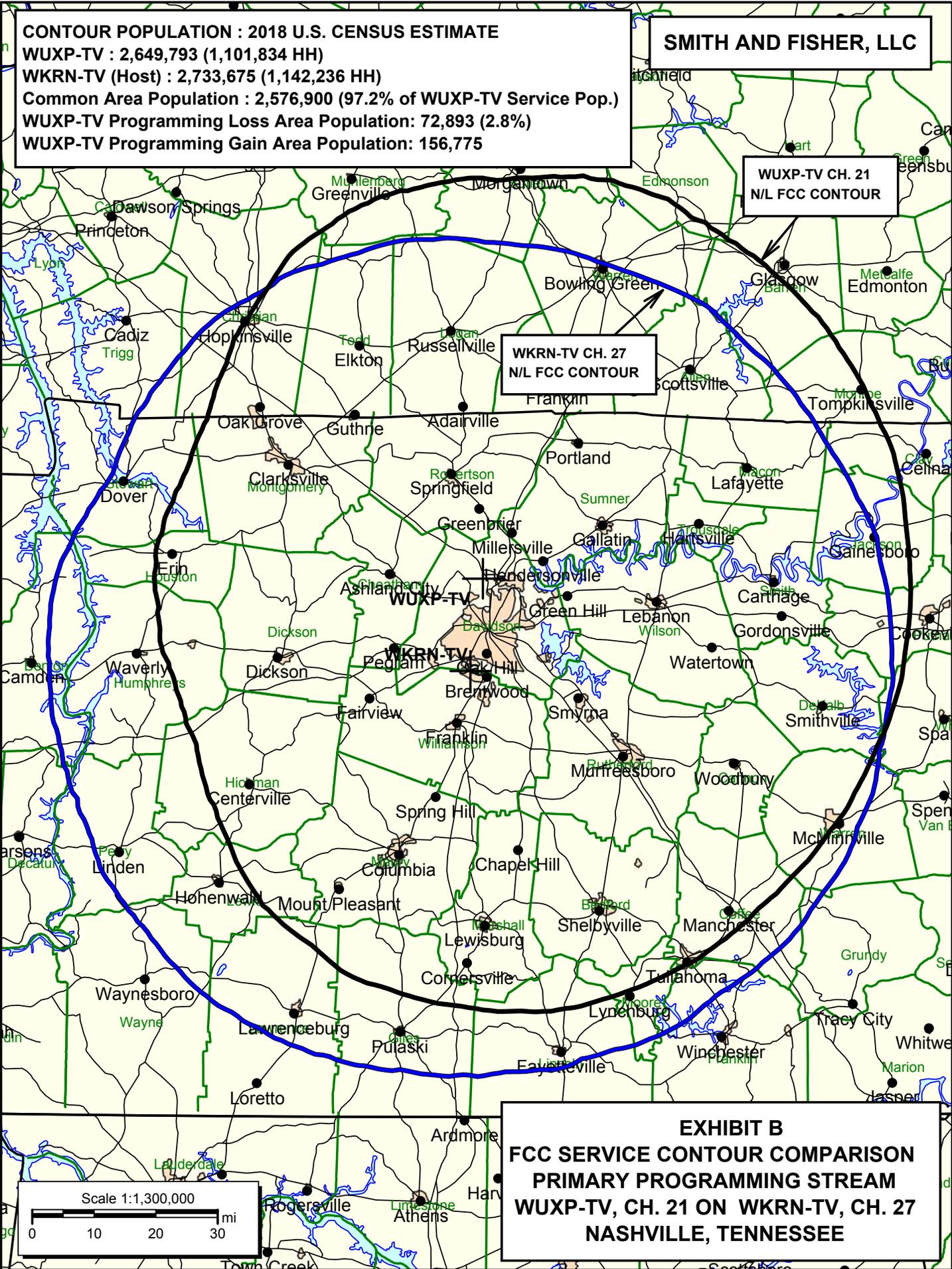
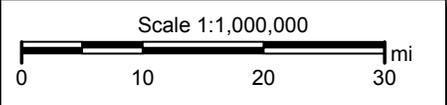


EXHIBIT B
FCC SERVICE CONTOUR COMPARISON
PRIMARY PROGRAMMING STREAM
WUXP-TV, CH. 21 ON WKRN-TV, CH. 27
NASHVILLE, TENNESSEE

SMITH AND FISHER, LLC

**WKRN-TV 48 DBU
CITY-GRADE CONTOUR**



**EXHIBIT C
FCC CITY-GRADE SERVICE CONTOUR
PRIMARY PROGRAMMING STREAM
WUXP-TV ON WKRN-TV : NASHVILLE, TN**