

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WSTQ LICENSEE, INC., licensee of full-power digital television station WSTM-TV, Channel 19 in Syracuse, New York, 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 WTVH(TV), Channel 18 in Syracuse and WSYR-TV, Channel 17 in Syracuse. It is important to note that the primary programming stream of WSTM-TV will be transmitted by WTVH(TV), Channel 18 in Syracuse, New York, and the engineering in support of that proposal is contained in the WSTM-TV Application for Modification of License to convert to ATSC 3.0 operation.

Exhibit B is a map upon which the WSTM-TV and WTVH(TV) noise-limited service contours are plotted. As shown, the majority of the WSTM-TV service contour overlaps that of WTVH(TV). Indeed, the “loss area” population that will be created as a result of the transfer of WSTM-TV’s secondary ATSC 1.0 programming to WTVH(TV) is only 4.7% of the total service population of WSTM-TV, according to the 2018 U.S. Census Estimate data.

It is also important to note that WTVH(TV) places a city-grade service contour over the entirety of the WSTM-TV city of license, Syracuse, New York, as shown in Exhibit C. This is not unexpected, since WTVH(TV) operates from the same transmitter site as WSTM-TV and is licensed to the same community as WSTM-TV. Thus, the instant application meets the requirements of Section 73.3801(c) of the Commission’s Rules.

EXHIBIT A

Exhibit D is a map upon which the WSTM-TV and WSYR-TV noise-limited service contours are plotted. As shown, the majority of the WSTM-TV service contour overlaps that of WSYR-TV. As in the WTVH(TV) analysis, the “loss area” population that will be created as a result of the transfer of WSTM-TV’s primary ATSC 1.0 programming to WSYR-TV is relatively small, only 9.7% of the total service population of WSTM-TV, according to the 2018 U.S. Census Estimate data. Conversely, a small amount of gain area, comprising 1,429 people (according to the 2018 U.S. Census Estimate database), will be created by the move of the WSTM-TV ATSC 1.0 secondary stream to WSYR-TV.

It is also important to note that WSYR-TV places a city-grade service contour over the entirety of the WSTM-TV city of license, Syracuse, New York, as shown in Exhibit E. This is not unexpected, since WSYR-TV operates from a transmitter site close to that of WSTM-TV and is licensed to the same community as WSTM-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", with a stylized flourish at the end.

KEVIN T. FISHER

February 18, 2021

CONTOUR POPULATION : 2018 U.S. CENSUS ESTIMATE

WSTM-TV : 1,429,218 (661,172 HH)

WTVH(TV) (Host) : 1,362,049 (626,846 HH)

Common Area Population : 1,362,049 (95.3% of WSTM-TV Contour Population)

WSTM-TV Programming Loss Area Population: 67,169 (4.7%)

WSTM-TV Programming Gain Area Population: 0

Smith and Fisher, LLC

**WSTM-TV CH. 19
N/L FCC CONTOUR**

**WTVH(TV) CH. 18
N/L FCC CONTOUR**

**WTVH(TV)
WSTM-TV**

EXHIBIT B

**FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAMS
WSTM-TV, CH. 19 ON WTVH(TV), CH. 18
SYRACUSE, NEW YORK**

Scale 1:1,150,000

0 10 20 30 mi



CONTOUR POPULATION : 2018 U.S. CENSUS ESTIMATE

WSTM-TV : 1,429,218 (661,172 HH)

WSYR-TV (Host) : 1,291,482 (594,359 HH)

Common Area Population : 1,290,053 (90.3% of WSTM-TV Contour Population)

WSTM-TV Programming Loss Area Population: 139,165 (9.7%)

WSTM-TV Programming Gain Area Population: 1,429 (0.1%)

Smith and Fisher, LLC

**WSTM-TV CH. 19
N/L FCC CONTOUR**

**WSYR-TV CH. 17
N/L FCC CONTOUR**



