

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of PORTLAND (WPFO-TV) LICENSEE, INC., licensee of full-power digital television station WPFO(TV), Channel 17 in Waterville, Maine, 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, WPFO(TV) will transfer one of its secondary ATSC 1.0 programming streams to WGME-TV, Channel 15 in Portland, Maine, and two of its secondary streams to WCBB(TV), Channel 20 in Augusta, Maine. It is important to note that the primary ATSC 1.0 programming of WPFO(TV) will be transmitted by station WGME-TV, Channel 15 in Portland, Maine. Engineering support for the WPFO(TV)-WGME-TV hosting arrangement is contained in a separate exhibit to the Application.

Exhibit B is a map upon which the WPFO(TV) and WCBB(TV) noise-limited service contours are plotted. As shown, a majority of the WPFO(TV) service contour lies within that of WCBB(TV). As a result, the “loss area” population created as a result of the transfer of WPFO(TV)’s secondary ATSC 1.0 programming streams to WCBB(TV) is only 32.4 percent of the WPFO(TV) service contour population. Conversely, the additional area served by WCBB(TV) that is presently not served by WPFO(TV) contains 67,681 people, according to the 2020 U.S. Census data.

It is also important to note that WCBB(TV) places an FCC F(50,90) 48 dBu city-grade service contour over the entirety of the WPFO(TV) city of license, Waterville, Maine, as

EXHIBIT A

shown in Exhibit C. 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, cursive-like script.

KEVIN T. FISHER

February 27, 2024

CONTOUR POPULATION : 2020 U.S. CENSUS
WPFO(TV) : 1,388,143 (726,503 HH)
WCBB(TV) (Host) : 980,384 (516,538 HH)
Common Area Population : 912,703 (65.7% of WPFO Service Pop.)
WPFO(TV) Programming Loss Area Population: 475,440 (34.3%)
WPFO(TV) Programming Gain Area Population: 67,681

SMITH AND FISHER, LLC

**WCBB(TV) CH. 20
N/L FCC CONTOUR**

**WPFO(TV) CH. 17
N/L FCC CONTOUR**

WCBB(DT)

WPFO(TV)

EXHIBIT B
FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAM
WPFO(TV), CH. 17 ON WCBB(TV), CH. 20
WATERVILLE, MAINE

Scale 1:1,400,000

0 10 20 30 mi

