

ENGINEERING STATEMENT  
ON BEHALF OF  
WBKI(TV), SALEM, INDIANA  
SPECIAL TEMPORARY AUTHORITY  
ATSC 1.0 MULTICAST

JULY 2022

COHEN, DIPPELL AND EVERIST, P.C.  
CONSULTING ENGINEERS  
RADIO AND TELEVISION  
WASHINGTON, D.C.

The engineering data contained herein have been prepared on behalf of INDEPENDENCE TELEVISION COMPANY, licensee of full-power digital television station WBKI(TV), Channel 16 in Salem, Indiana, 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 stations WDRB(TV), Channel 32 in Louisville, KY, WAVE(TV), Channel 36 in Louisville, and WLKY(TV), Channel 14 in Louisville.

Exhibit E-1 is a map upon which the WBKI(TV) and WDRB(TV) noise-limited service contours are plotted. While the WDRB(TV) service contour is entirely within the WBKI(TV) service contour, the “loss area” population only amounts to 2.3% of the total service population of WBKI(TV), according to the 2020 U.S. population data.

It is also important to note that WDRB(TV) places a city-grade service contour over the entirety of the WBKI(TV) city of license, Salem, Indiana, as shown in Exhibit E-2. Thus the instant application meets the requirements of Section 73.3801(c) of the Commission’s Rules.

Exhibit E-3 is a map upon which the WBKI(TV) and WAVE(TV) noise-limited service contours are plotted. While the WAVE(TV) service contour is entirely within the WBKI(TV) service contour, the “loss area” population only amounts to 9.9% of the total service population of WBKI(TV).

WAVE(TV) also places a city-grade service contour over the entirety of the WBKI(TV) city of license, Salem, Indiana, as shown in Exhibit E-4. Thus the instant application meets the requirements of Section 73.3801(c) of the Commission’s Rules.


Exhibit E-5 is a map upon which the WBKI(TV) and WLKY(TV) noise-limited service contours are plotted. While the WLKY(TV) service contour is entirely within the WBKI(TV) service contour, the "loss area" population only amounts to 8.1% of the total service population of WBKI(TV).

WLKY(TV) also places a city-grade service contour over the entirety of the WBKI(TV) city of license, Salem, Indiana, as shown in Exhibit E-6. Thus the instant application meets the requirements of Section 73.3801(c) of the Commission's Rules.

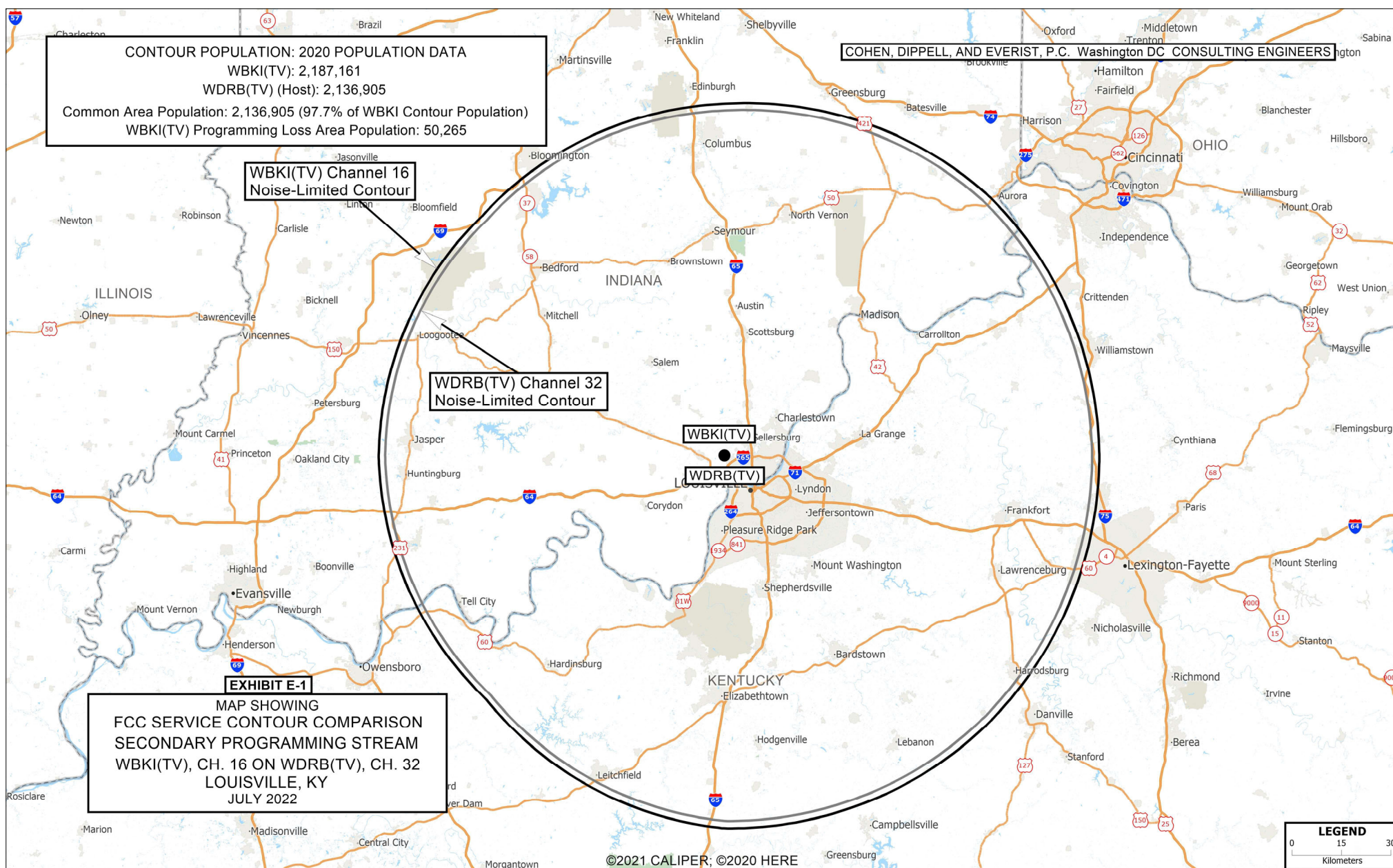
I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

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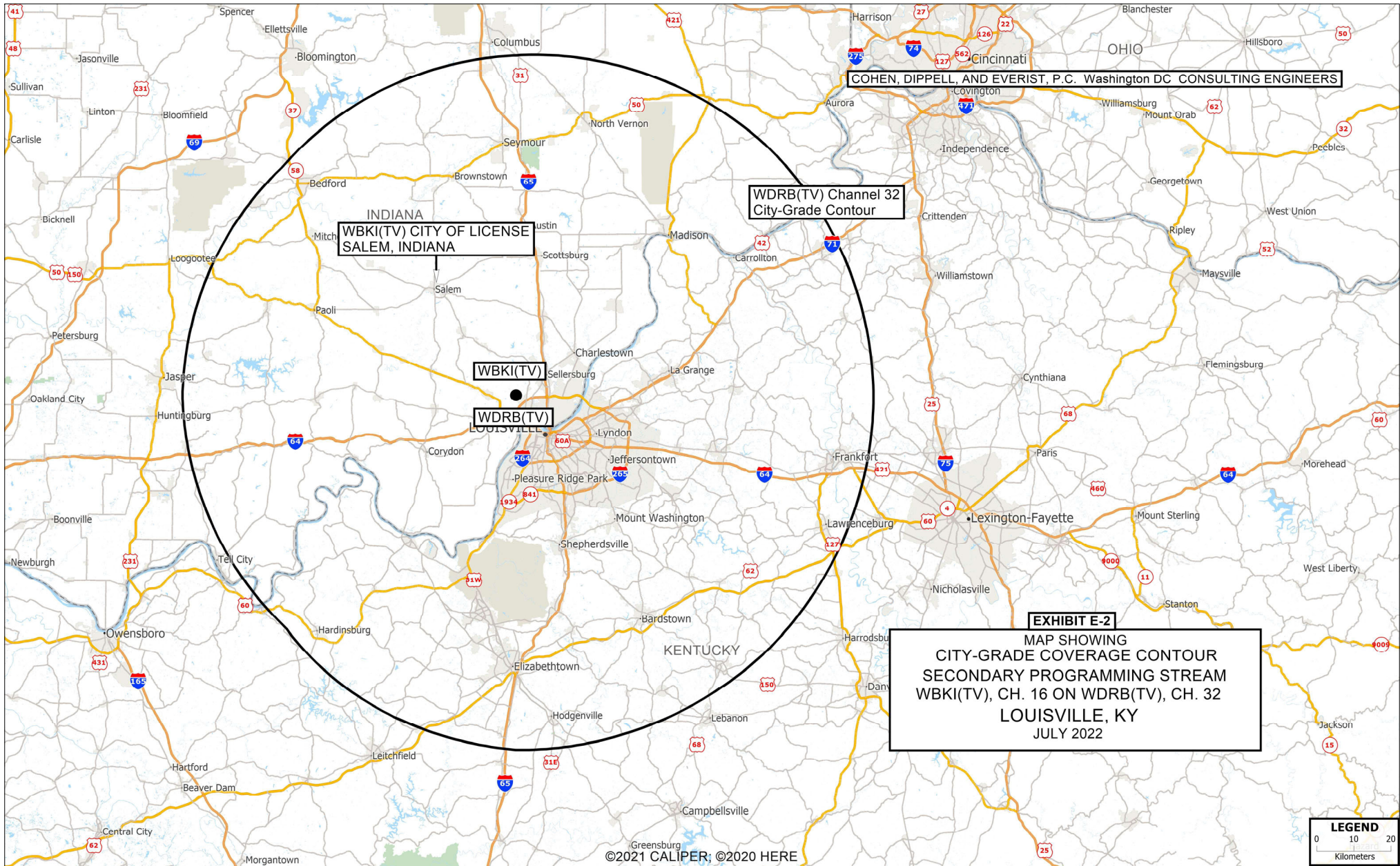
That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.

  
\_\_\_\_\_  
Donald G. Everist  
District of Columbia  
Professional Engineer  
Registration No. 5714

July 15, 2022 Date









**CONTOUR POPULATION: 20 POPULATION DATA**

WBKI(TV): 2,187,161

WAVE(TV) (Host): 1,970,921

Common Area Population: 1,970,921 (90.1% of WBKI Contour Population)

WBKI(TV) Programming Loss Area Population: 216,240

COHEN, DIPPELL, AND EVERIST, P.C. Washington DC CONSULTING ENGINEERS

WBKI(TV) Channel 16  
Noise-Limited Contour

WAVE(TV) Channel 36  
Noise-Limited Contour

WAVE(TV)

WBKI(TV)

**EXHIBIT E-3**

MAP SHOWING  
FCC SERVICE CONTOUR COMPARISON  
SECONDARY PROGRAMMING STREAM  
WBKI(TV), CH. 16 ON WAVE(TV), CH. 36  
LOUISVILLE, KY  
JULY 2022

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**LEGEND**

0 15 30  
Kilometers



