

**ENGINEERING TECHNICAL STATEMENT**  
**COMPLIANCE WITH §73.3801 OF FCC RULES**  
***SIMULCASTING DURING ATSC 3.0 TRANSITION***

The **WPIX** (ATSC 1.0 Tenant / ATSC 3.0 Host) full-power digital television broadcast facility (File Number 0000163151) is licensed to operate on Channel 11 with an ERP of 26 kW using a nondirectional antenna mounted on a tower with Antenna Structure Registration Number (ASRN) 1007048 located in New York City, NY. The **WABC-TV** (ATSC 1.0 Host) full-power television facility (File Number BLCDT-20121031ABC) is licensed to operate on Channel 7 with an ERP of 34 kW using a nondirectional antenna co-located with WPIX on the same tower.

The aforementioned stations plan to partner in a simulcasting arrangement for purposes of airing ATSC 1.0 and ATSC 3.0 programming streams as follows:

- WPIX ATSC 1.0 Tenant at WABC-TV ATSC 1.0 Host
- WABC-TV ATSC 3.0 Tenant at WPIX ATSC 3.0 Host

Both stations are assigned to the same DMA (New York, NY).

Pursuant to section 73.3801(f)(6)(i) of FCC Rules, the following information is required for these types of applications.

**Stations serving as the ATSC 1.0 Host:**

- ATSC1.0 Host: WABC-TV (BLCDT-20121031ABC)

**Technical Facilities of ATSC 1.0 Host Station:**

- Station: WABC-TV
- Frequency: 177 MHz (Channel 7)
- ERP: 34 kW
- Antenna: Nondirectional

- Antenna Center Height: 403.0 m AGL
- Antenna Model: THA-O4-2H/8UD2SP-2-HM
- Antenna Polarization: Horizontal
- Antenna Beam Tilt: 3.0°
- Coordinates: 40° 44' 54.0" N, 73° 59' 09.0" W
- ASRN: 1007048
- DMA: New York, NY (Both stations)

Pursuant to section 73.3801(f)(6)(ii) of FCC Rules, the following information is also required for these types of applications.

## **WPIX ATSC 1.0 Tenant at WABC-TV ATSC 1.0 Host**

- Predicted population within the noise limited service contour served by the station's original ATSC 1.0 signal: **23,011,928 persons** based on U.S. Census 2020 data **(See Exhibit 1)**.
- Predicted population within the noise limited service contour served by the station's original ATSC 1.0 signal that will lose the station's ATSC 1.0 service as a result of the simulcasting arrangement, including identifying areas of service loss by providing a contour overlap map: **23,239,496 Persons (See Exhibit 2)**
- Will the ATSC 1.0 simulcast signal aired on the host station serve at least 95% of station's original ATSC 1.0 population? **Yes, it will serve 100% (See Exhibits 1 - 3)**.

Pursuant to §73.3801(c) of FCC Rules, full power broadcasters that elect temporarily to relocate their ATSC 1.0 signal to the facilities of a host station(s) for purposes of deploying ATSC 3.0 service must continue to cover the station's entire community of license with the ATSC 1.0 simulcast signal and must be assigned to the same Designated Market Area (DMA) as the originating station. Referring to Exhibit 3, it can be seen that the WPIX ATSC 1.0 "Tenant" station will continue to completely encompass the New York, NY community of license with the WABC-TV F(50,90) 43.0 dBu ATSC 1.0 Host station's principal

community contour. Also pursuant to §73.3801(c) and §73.3801(d) of FCC Rules, the WPIX and WABC-TV stations are all assigned to the same DMA (New York, NY).

Accordingly, as demonstrated above and in enclosed Exhibits 1-3, the proposed WPIX “ATSC 1.0 Tenant” facility operating with an ATSC 1.0 signal and sharing frequencies with the WABC-TV “ATSC 1.0 Host” facility (Coverage requirements for the ATSC 1.0 simulcast signal) and the proposed WABC-TV “ATSC 3.0 Tenant” facility operating with an ATSC 3.0 signal and sharing frequencies with the WPIX “ATSC 3.0 Host” facility (Coverage requirements for ATSC 3.0 signals) fully satisfy the FCC rules pursuant to §73.3801 and these applications should therefore be granted with expedited processing in accordance with the streamlined 1-step process specified in the rules.

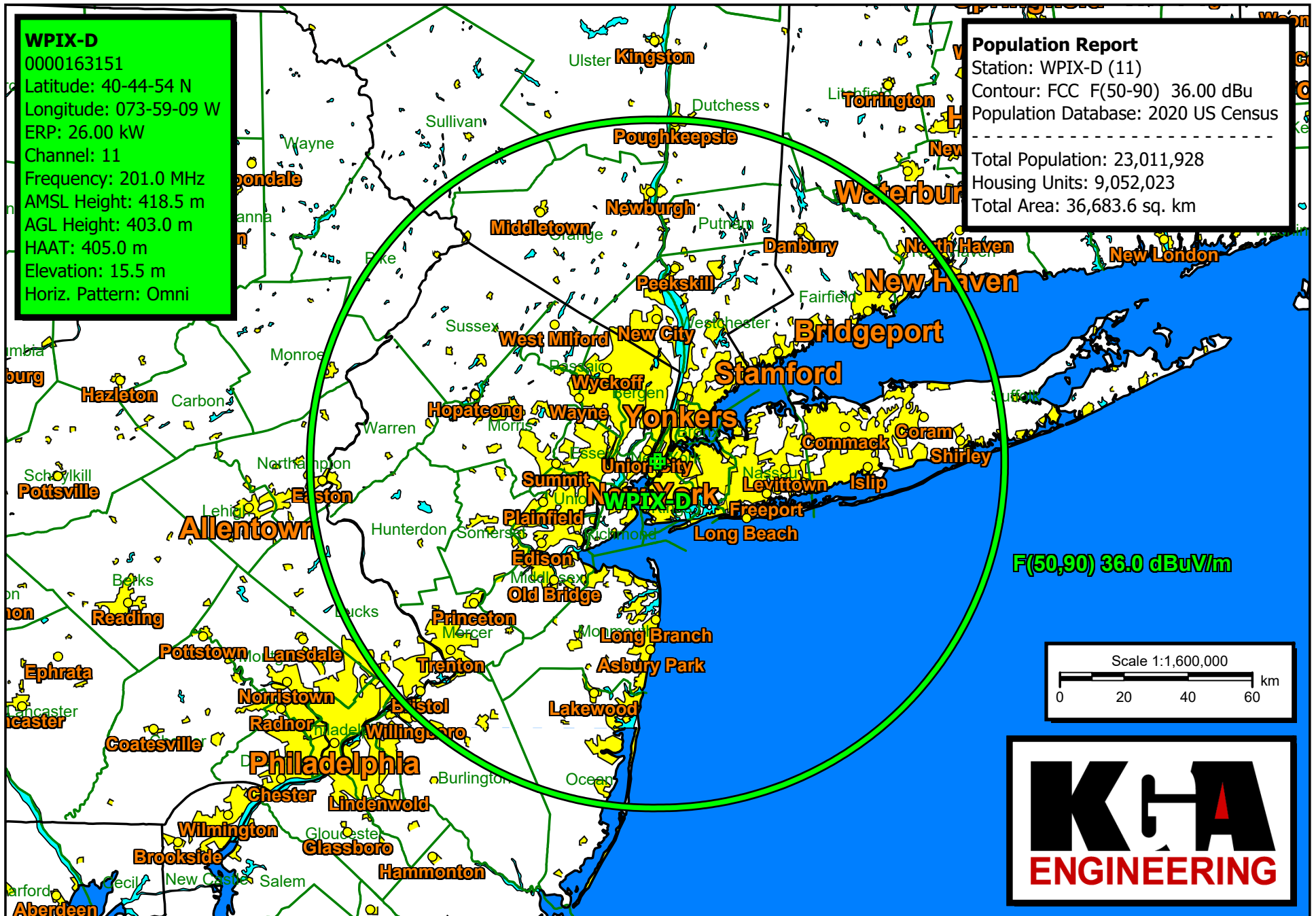
#### **CERTIFICATION**

This technical statement was prepared by William T. Godfrey, Jr., Engineering Associate with the firm Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida, and has been working with the firm in the field of radio and television broadcast consulting since 1998. Mr. Godfrey was a graduate from the University of North Florida and a Distinguished Military Graduate from the University of Florida. As a Professional in the field of Telecommunications he states under penalty of perjury that the information contained in this report is true and correct to the best of his knowledge and belief.

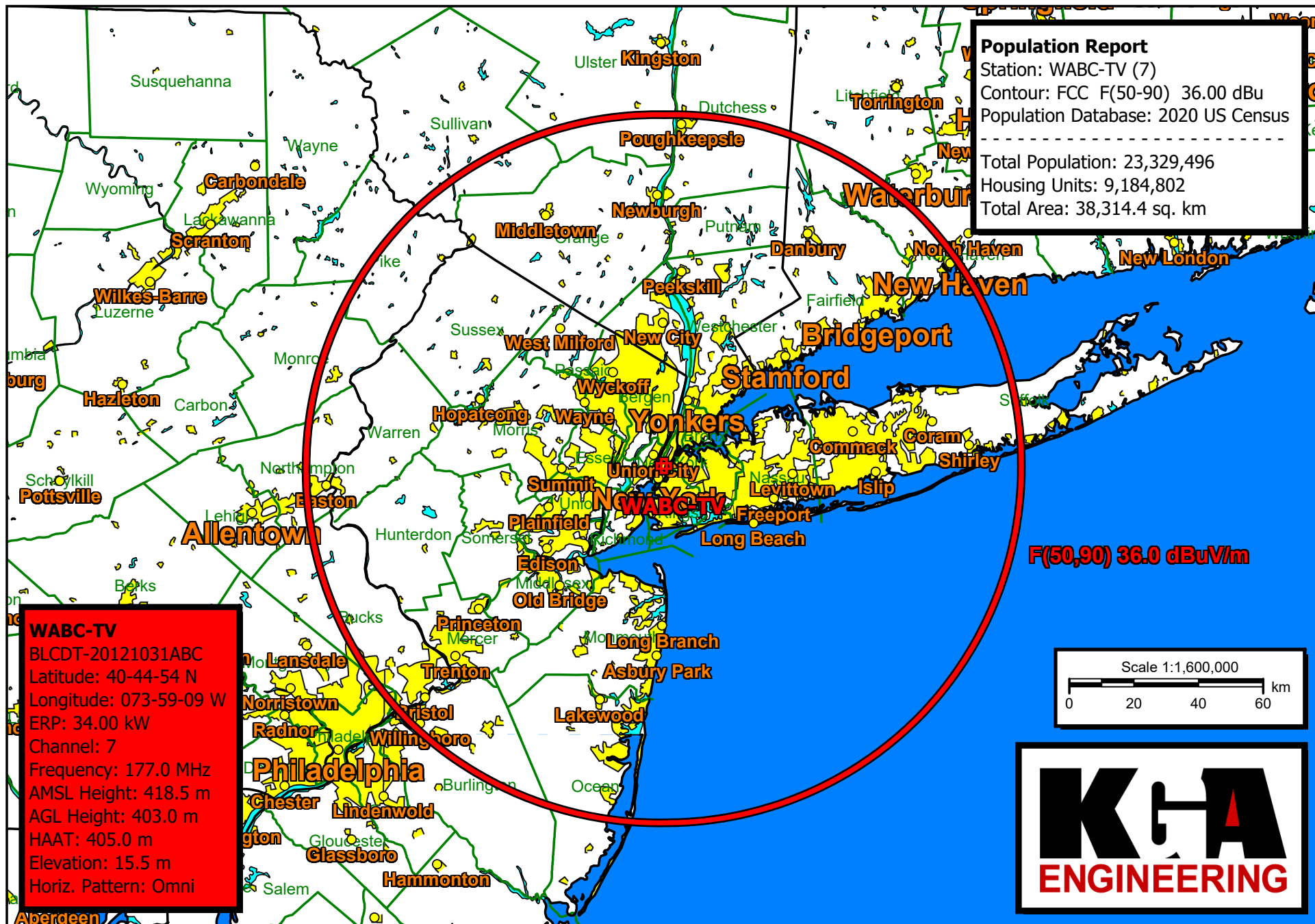


WILLIAM T. GODFREY, JR., CBT  
Kessler and Gehman Associates, Inc.  
Consulting Engineers

November 15, 2023

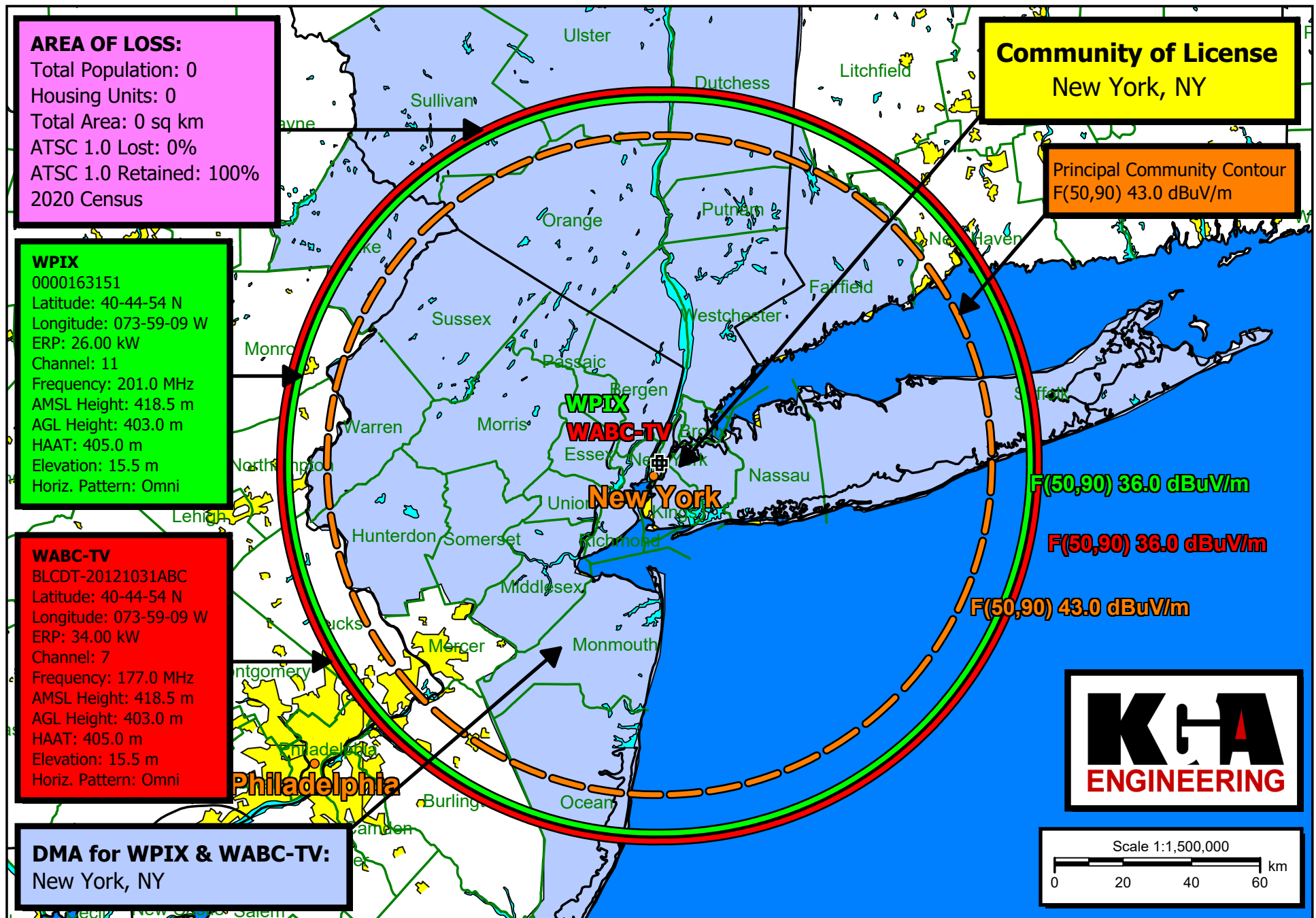


*Population Within WPIX Licensed Protected Noise Limited Service Contour*



*Population Within WABC-TV Licensed Protected Noise Limited Service Contour*





**ATSC 1.0 Host: WABC-TV / ATSC 1.0 Tenant: WPIX (ATSC 3.0 Host)**

**EXHIBIT 3**