

**COMPLIANCE WITH §73.3801 (ATSC 1.0 SIMULCASTING)**

The WNCN-DT Channel 8 licensed facility (0000107217) and the WRDC-DT Channel 14 authorized facility (0000068684) are co-located at the same tower site (ASRN 1027322) and plan to partner in a simulcasting arrangement for purposes of airing an ATSC 1.0 signal where WNCN is the ATSC 1.0 “Host” station and WRDC is the ATSC 1.0 “Tenant” station.

Pursuant to section 73.3801(f)(6)(i) of FCC Rules, the following information is required for this type of application.

- Station serving as the host: WNCN ([0000107217](#))
- Technical facilities of the host station:
  - Frequency: 183 MHz (Channel 8)
  - ERP: 29 kW
  - Antenna: Non-Directional
  - Antenna Center Height: 595.1 m AGL
  - Antenna Model: THV-11A8/VP-R 04
  - Antenna Polarization: Circular
  - Antenna Beam Tilt: 1.00°
  - Coordinates: 35° 40' 29.0" N, 078° 31' 39.0" W
  - ASRN: 1027322
- DMA: Raleigh-Durham, NC (both stations)

Pursuant to section 73.3801(f)(6)(ii) of FCC Rules, the following information is also required for this type of application.

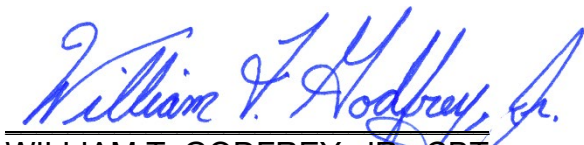
- Predicted population within the noise limited service contour served by the station's original ATSC 1.0 signal: **3,970,847 persons (See Exhibit 1)**
- Predicted population within the noise limited service contour served by the station's original ATSC 1.0 signal that will lose the station's ATSC 1.0 service as a result of the simulcasting arrangement, including identifying areas of service loss by providing a contour overlap map: **168,663 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 95.8% (See Exhibits 1, 2 & 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 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 WRDC-DT ATSC 1.0 "Tenant" station will continue to completely encompass its community of license with the WNCN-DT F(50,90) 43.0 dBu "Host" station's principal community contour. Also pursuant to §73.3801(c) of FCC Rules, the WRDC-DT "Tenant" station and the WNCN-DT "Host" station are both assigned to the same DMA (Raleigh-Durham, NC).

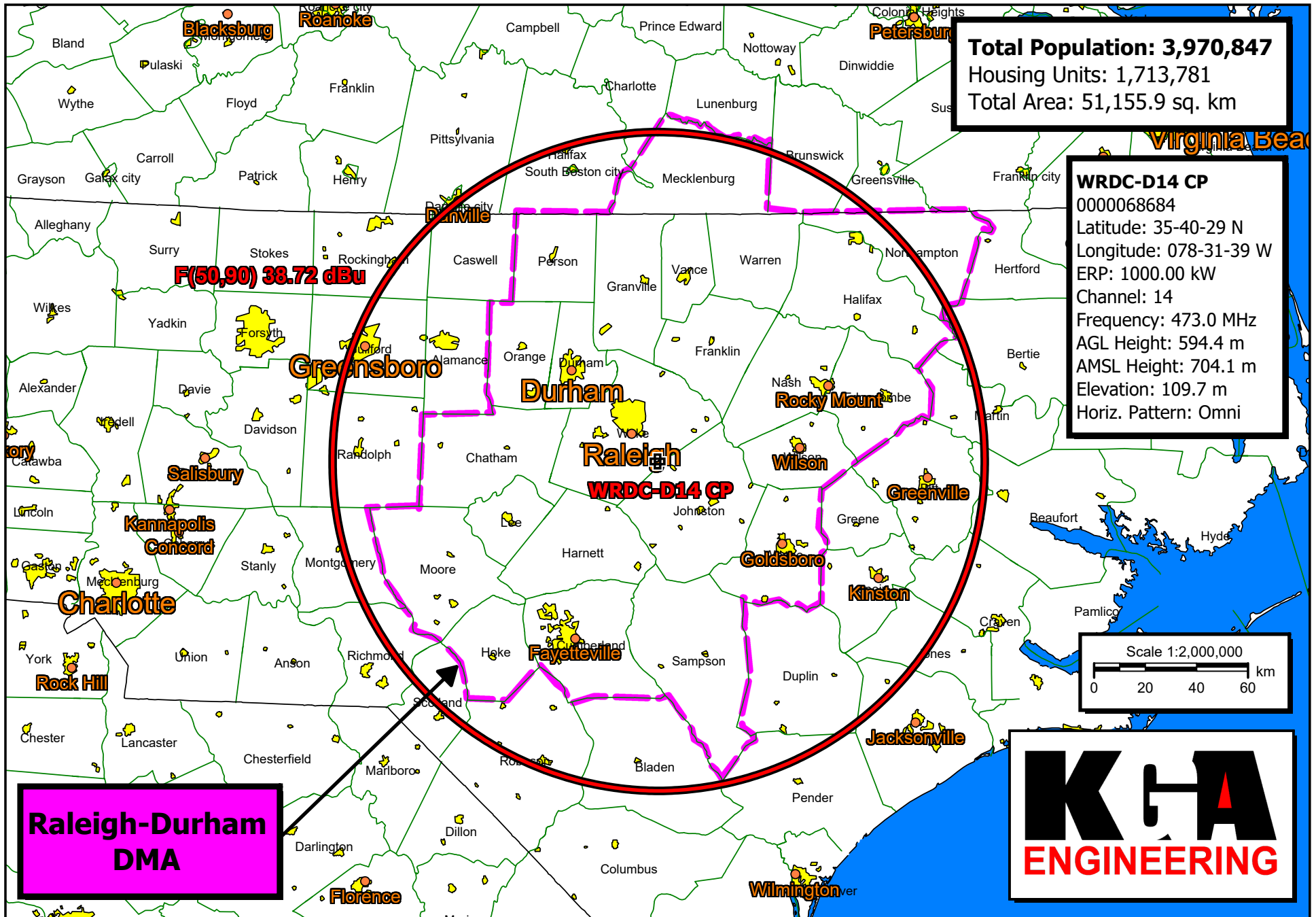
Accordingly, as demonstrated above and in enclosed Exhibits 1-3, the proposed WRDC-DT "tenant" facility operating with an ATSC 1.0 signal and sharing the frequency with the WNCN-DT ATSC 1.0 "host" station fully satisfies the FCC rules specified in §73.3801 and the application should therefore be granted with expedited processing in accordance with the streamlined 1-step process specified in the rules.

### **CERTIFICATION**

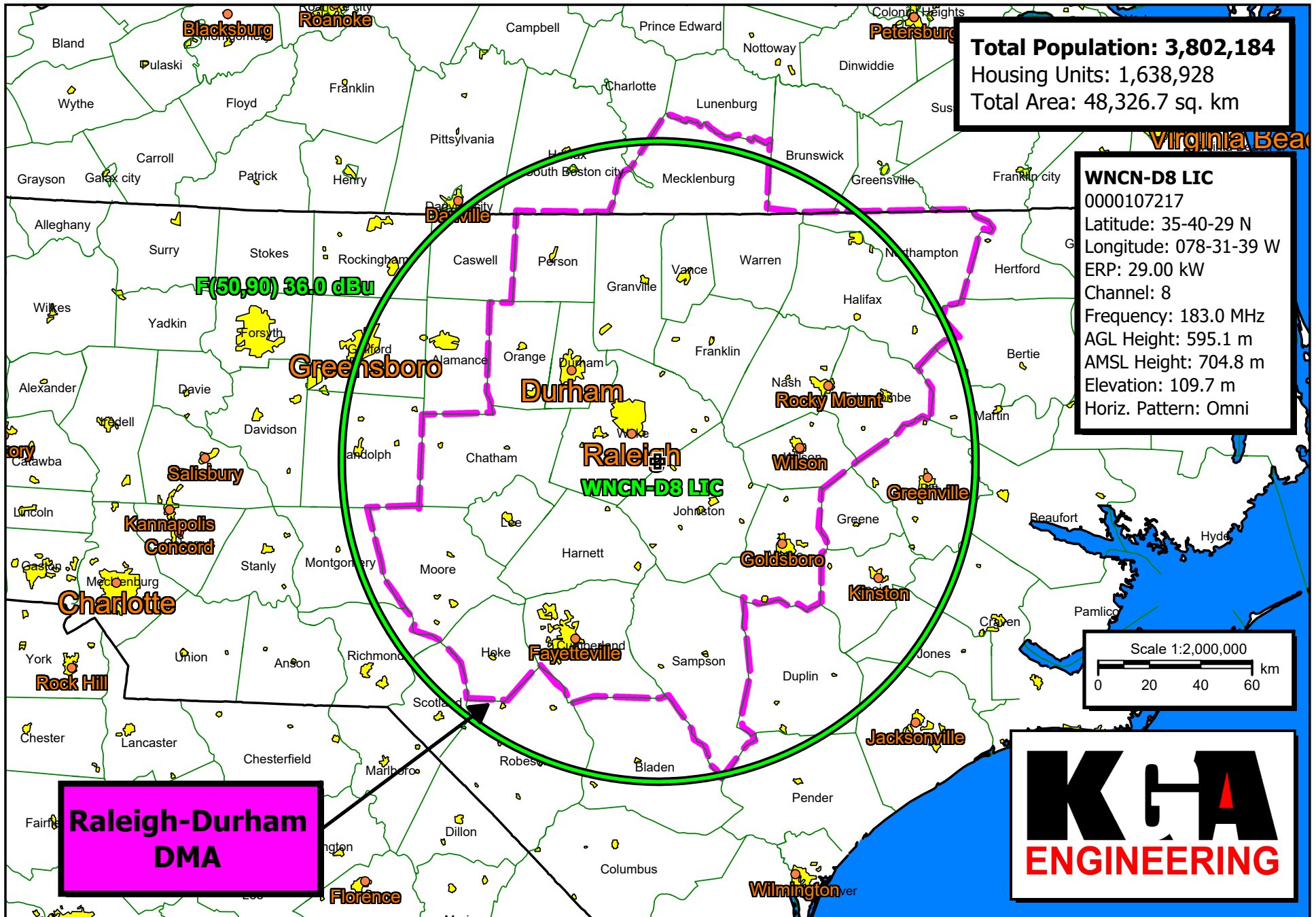
This technical statement was prepared by William T. Godfrey, Jr., Engineering Associate with the firm Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida, and has been working with the firm in the field of radio and television broadcast consulting since 1998. Mr. Godfrey was a 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  
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Consulting Engineers

September 17, 2020

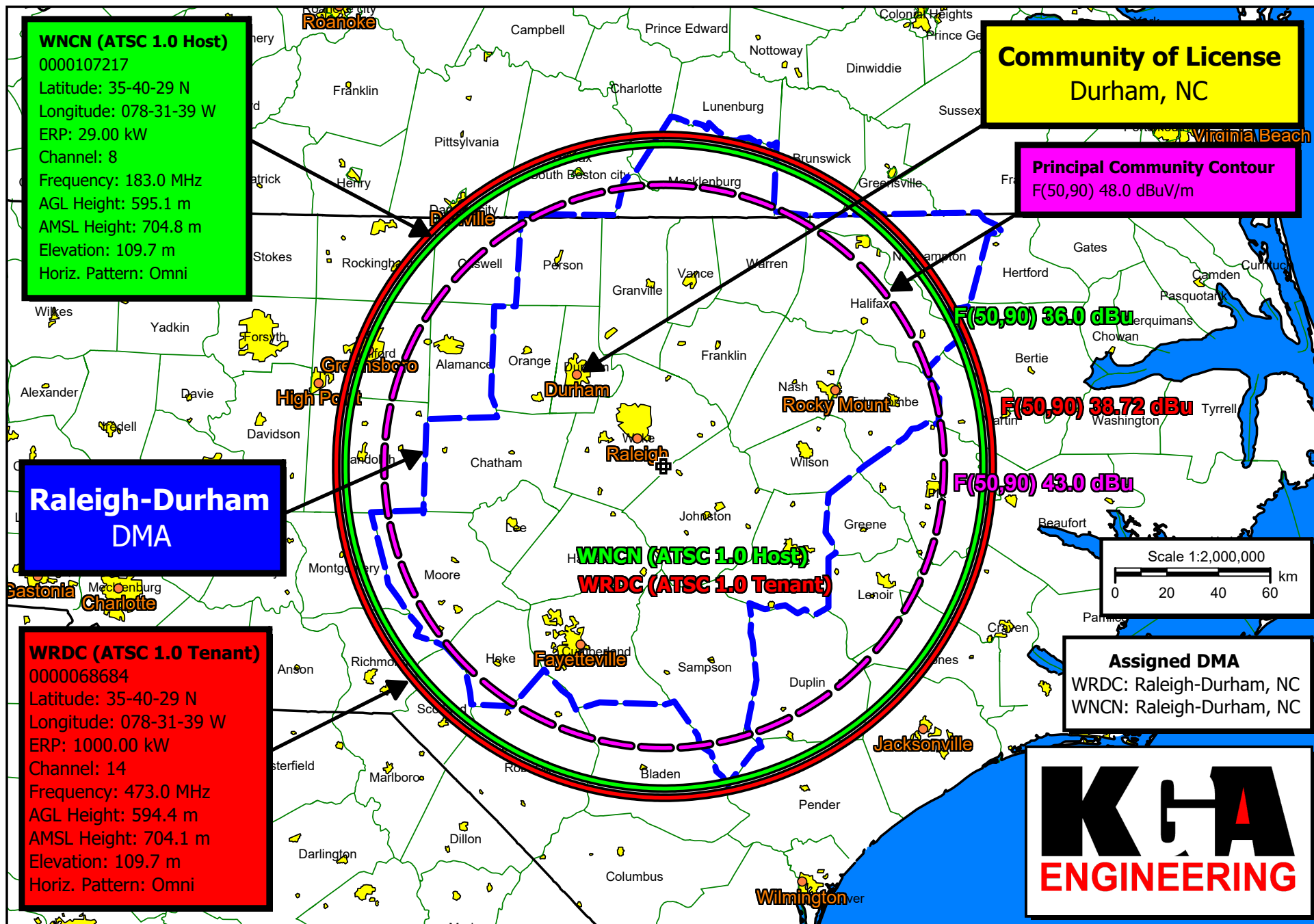


**WRDC-DT Channel 14 License Population Within Protected Noise Limited Contour EXHIBIT 1**



**WNCN-D8 License Population Within Protected Noise Limited Contour**

**EXHIBIT 2**



WRDC-D14 Original ATSC 1.0 Population Loss as Tenant Station (> 95%)