

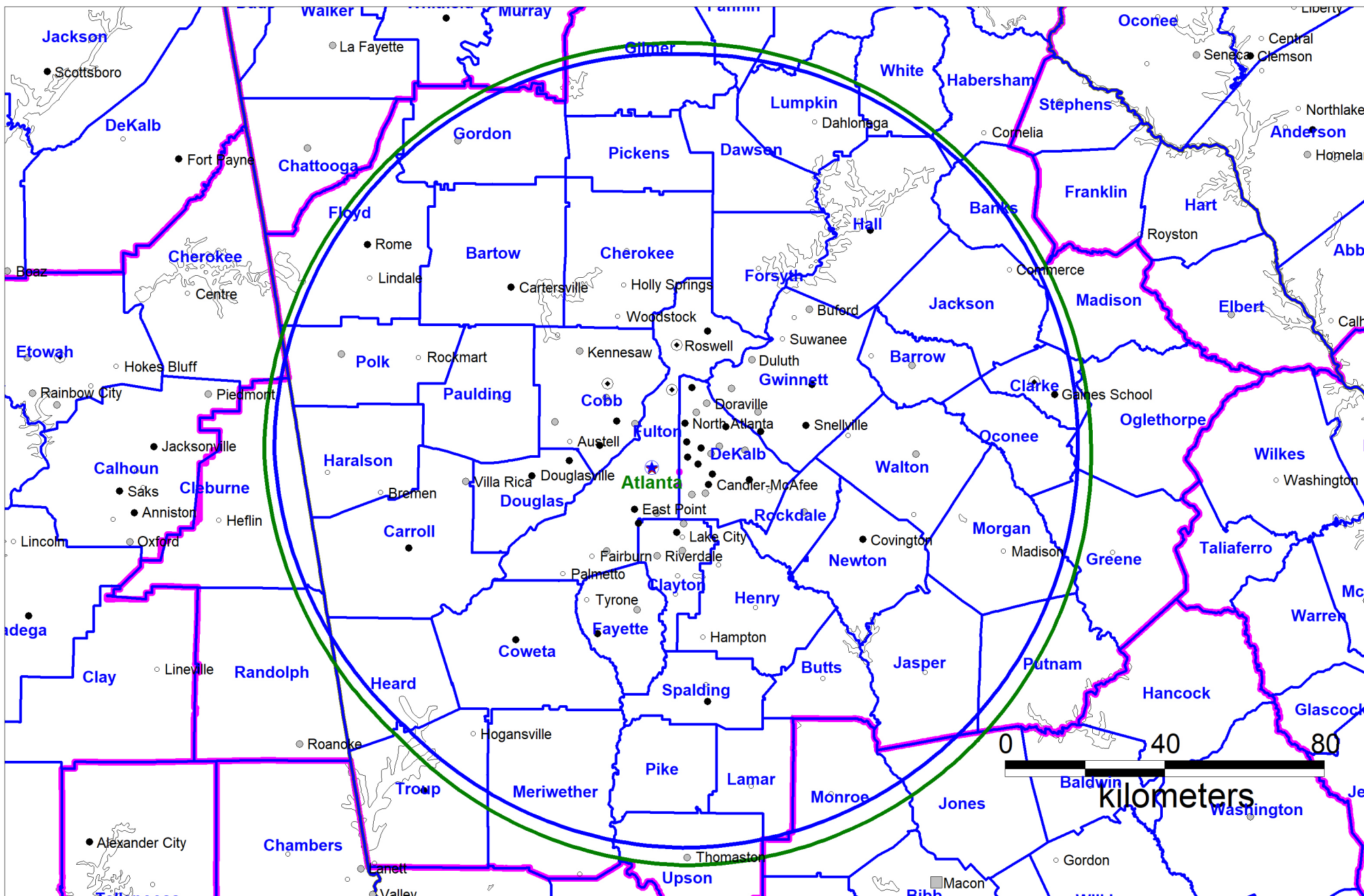
Engineering Statement
Application to Simulcast ATSC 3.0 (NEXT GEN TV) on a Host Station
WAGA-TV Channel 27 Atlanta, GA
June 27, 2021

The purpose of this application is to request authorization to allow full service digital television station WAGA-TV channel 27 Atlanta, GA (Atlanta DMA) to transmit an ATSC 3.0 (Next Gen TV) signal utilizing the facilities of full service digital television station WPCH-TV channel 31 Atlanta, GA (Atlanta DMA).

Both WAGA-TV and WPCH-TV are licensed to Atlanta, GA as shown on the map below and are centrally located in the Atlanta DMA. The facilities of the two stations are located on towers less than a mile apart at approximately the same elevation (WAGA-TV 618.0 m, WPCH-TV 615.4 m RCAMSL), both have a non-directional antenna, and have similar powers (WAGA-TV 1,000 kW, WPCH-TV 805 kW ERP). Also as shown on the map below, the service area of both stations are similar. The predicted service area of WPCH-TV covers 94.3% of that covered by WAGA-TV and the population within the service area is 99.1% of the WAGA-TV service population.

In view of the above WAGA-TV will be in full compliance concerning the coverage requirements as stated in the Rules for simulcasting its ATSC 1.0 signal in an ATSC 3.0 format on host station WPCH-TV.

William R. Meintel
Senior Partner
Meintel, Sgrignoli, & Wallace, LLC



Coverage Comparison for WAGA-TV ATSC 1.0 and ATSC 3.0 Transmissions

ATSC 1.0: RF Ch 27, 1000 kW, Non-Directional, 332 m HAAT

ATSC 3.0 (WPCH-TV, Host): Ch 31, 805 kW, Non-Directional, 329 m HAAT