

TECHNICAL STATEMENT
SUPPORTING REQUEST FOR AUTHORIZATION TO
ESTABLISH ATSC 3.0 SERVICE AND ATSC 1.0 SIMULCAST HOST
WPCH-TV, ATLANTA, GA (FACILITY ID NO. 64033) (LIGHTHOUSE)
WGCL-TV, ATLANTA, GA (FACILITY ID NO. 72120) (HOST)
ATLANTA DMA

Background

This statement was prepared on behalf of Meredith Corporation ('Meredith'), licensee of stations WPCH-TV, Atlanta, GA; and WGCL-TV, Atlanta, GA. Meredith requests authorization for ATSC 3.0 NextGen service on WPCH-TV (RF Channel 31) with WGCL-TV (RF Channel 19) to be established as an ATSC 1.0 simulcast host station. The technical facilities of the WGCL-TV host station are detailed herein.

Compliance with Coverage Requirements

The proposal is compliant with the coverage requirements for an ATSC 3.0 simulcast signal as outlined in Section 73.3801(c) of the FCC Rules. Specifically,

- (1) the WGCL-TV predicted 48 dBu, f(50,90), principal community contour encompasses the WPCH-TV city of license of Atlanta, GA; and,
- (2) both WPCH-TV and WGCL-TV are licensed to the same Nielsen Designated Market Area (DMA), which is Atlanta.

Compliance with Expedited Processing

The instant proposal qualifies for expedited processing according to the requirements outlined in Section 73.3801(f)(5) of the FCC Rules. Under a comparison of the predicted noise-limited service contours, the predicted noise-limited service contour of the WGCL-TV licensed facility encompasses 100% of the predicted noise-limited service contour of the WPCH-TV licensed facility.

The predicted service contours of the respective facilities are shown on the predicted coverage contour map included with this exhibit. The noise-limited service contour population figures for the respective coverage contours are indicated on the map and are based on the U.S.G.S. 2010 Census block data.

A handwritten signature in black ink, appearing to read "Louis R. du Treil, Jr.", written in a cursive style.

Louis R. du Treil, Jr., P.E.

du Treil, Lundin & Rackley, Inc.
5120 Station Way
Sarasota, Florida 34233-3221

June 30, 2021

TV Inquiry LMS

TECHNICAL FACILITIES OF ATSC 1.0 HOST STATION

du Treil, Lundin, & Rackley, Inc., Sarasota, Florida



Callsign: WGCL-TV **Service:** DTV **Status:** AMD **App. Status:** GRA **Rec. Type:** C
Channel: 19 **Zone:** 2 **Application File No.:** 0000087085 **Chan Share Host:** N
Fac. ID: 72120 **FRN:** 0005810726 **Loc. Record ID:** 25076ff36e0518c2016e17493a530cef **DT Emission Mask:**
City: ATLANTA **State:** GA **Country:** US **CP Expiration Date:** 2021-04-01
Party Name: MEREDITH CORPORATION **Last Change Date:** 2019-11-01

Latitude (NAD 83): 033-48-26.4 **Height AGL (m):** 351 **Polarization:** H
Longitude (NAD 83): 084-20-21.5 **Overall Height AGL (m):** 360.3 **Electrical Tilt (°):** 0.7
RCMSL (m): 615.3 **ERP (kW):** 1000 **Mechanical Tilt (°):**
Site Elevation AMSL (m): 264.3 **Maximum ERP (kW):**
HAAT (m): 329 **Maximum ERP (dBk):** **Degrees True (°):**

Ant Type: NDIR **Antenna ID:** 67038 **Rotation (°):**

0°	1.000	90°	1.000	180°	1.000	270°	1.000
10°	1.000	100°	1.000	190°	1.000	280°	1.000
20°	1.000	110°	1.000	200°	1.000	290°	1.000
30°	1.000	120°	1.000	210°	1.000	300°	1.000
40°	1.000	130°	1.000	220°	1.000	310°	1.000
50°	1.000	140°	1.000	230°	1.000	320°	1.000
60°	1.000	150°	1.000	240°	1.000	330°	1.000
70°	1.000	160°	1.000	250°	1.000	340°	1.000
80°	1.000	170°	1.000	260°	1.000	350°	1.000

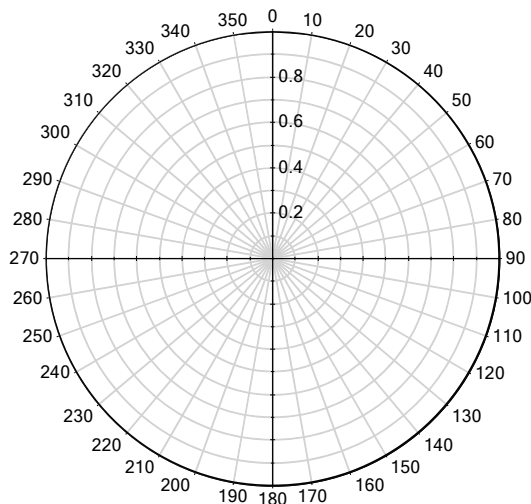
Antenna Make: RFS

Antenna Model: PEP70E-O5-2-T

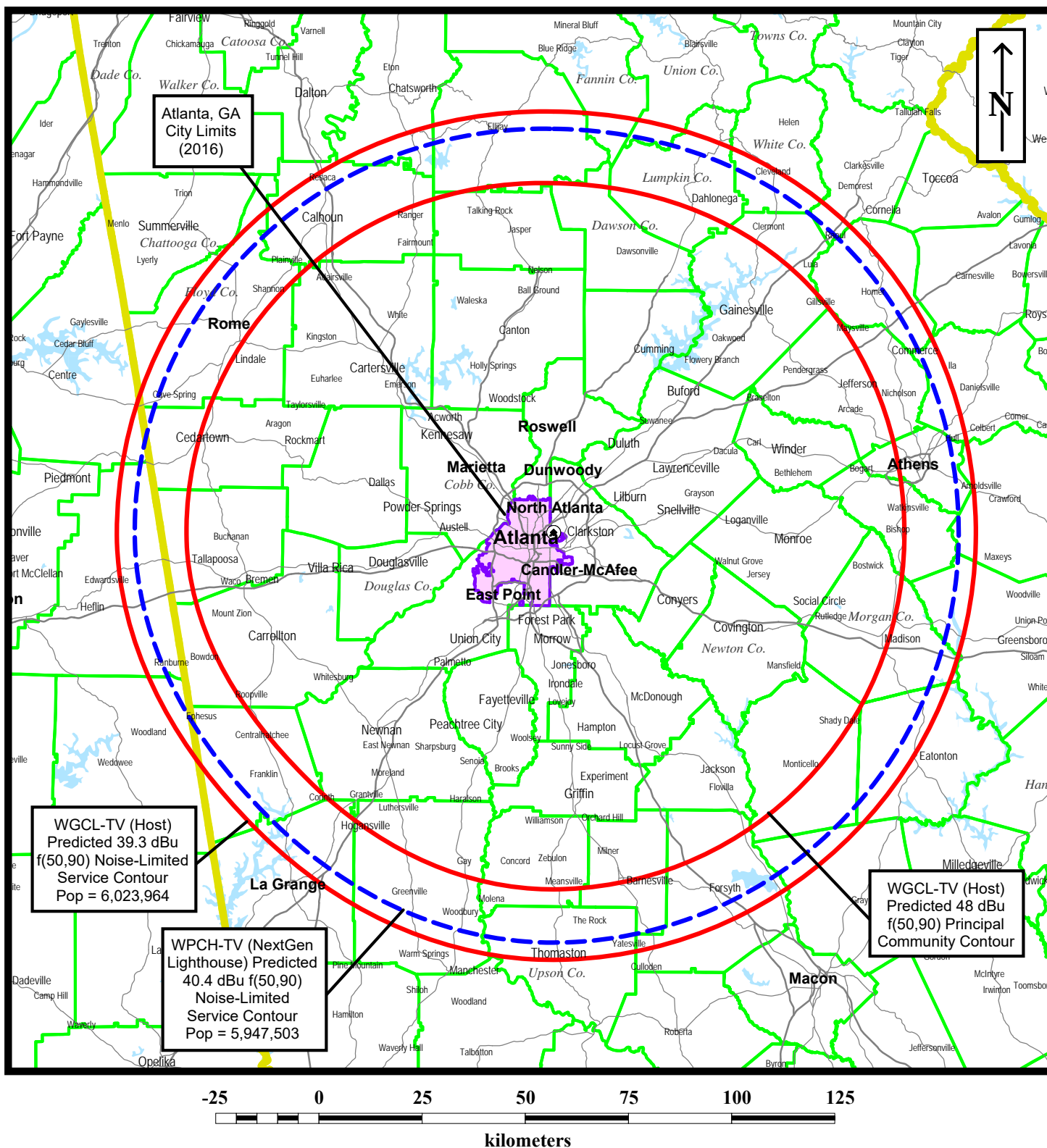
Last Change Date: 2019-10-31 13:33:05.856

Ant. Record ID: 25076ff36e0518c2016e17493a540cf0

Note: Rotation or tilt is not applied to the pattern shown



Type: GTOWER	ASRN: 1223132	FAA Study No.: 00-ASO-8684-OE	Structure Height (m): 321.9
Latitude (NAD 83): 33-48-26.4	Date Received: 05/22/2017	Structure Height (ft): 1056.1	
Longitude (NAD 83): 084-20-21.5	Date Entered: 05/22/2017	Ground Elevation (m): 264.3	
	Date Issued: 05/22/2017	Ground Elevation (ft): 867.1	
	Date Constructed: 03/27/2002	Overall Height AGL (m): 360.3	
	Date Dismantled:	Overall Height AGL (ft): 1182.1	
Struct. Address:		Overall Height AMSL (m): 624.6	
1800 Briarcliff Road NE		Overall Height AMSL (ft): 2049.2	
Atlanta	GA		
Entity Name: American Towers LLC			



PREDICTED COVERAGE CONTOUR MAP

duTreil, Lundin & Rackley, Inc. Sarasota, Florida