

Auxiliary Site Description and Contour Analysis

Univision New York, LLC

WFTY-DT Smithtown, NY

Facility ID 60553

Use of formerly licensed main facility as auxiliary w/ antenna corrections

Ch 23 82 kW 204 m

Prior to maximization with its current antenna in 2012¹, WFTY-DT operated on an antenna side-mounted at the top of the tower structure. This antenna and its associated transmission line remain in place and TelevisaUnivision seeks to license it as an Auxiliary². Use of current infrastructure is environmentally preferred.

The ERP has been calculated appropriately to fit the auxiliary contour within the current licensed contour in accordance with § 73.1675(a). See contours below.

Errors were discovered in the original license that need corrected. It appears that the original CP was not edited appropriately when the License to Cover was filed. Using LMS' method of license modification to use a formerly licensed main as an auxiliary would not allow the polarization to be corrected. Therefore, the instant application is being filed using the standard auxiliary method.

- 1) The license and it's CP were marked as horizontally polarized. However, the as-built antenna utilizes 20% vertical polarization. Accordingly, the instant application is marked as elliptically polarized.
- 2) Beam tilt in the formerly licensed main was shown as 0.5 degrees. As-built, it is 0.75 degrees.
- 3) As a result of these changes throughout the construction process and a scattering analysis to aid in optimal side mounting stand-off distance of the antenna, the field values of the horizontal pattern of the formerly licensed main were slightly altered from the original CP. Corrected values are tabulated in the instant application.

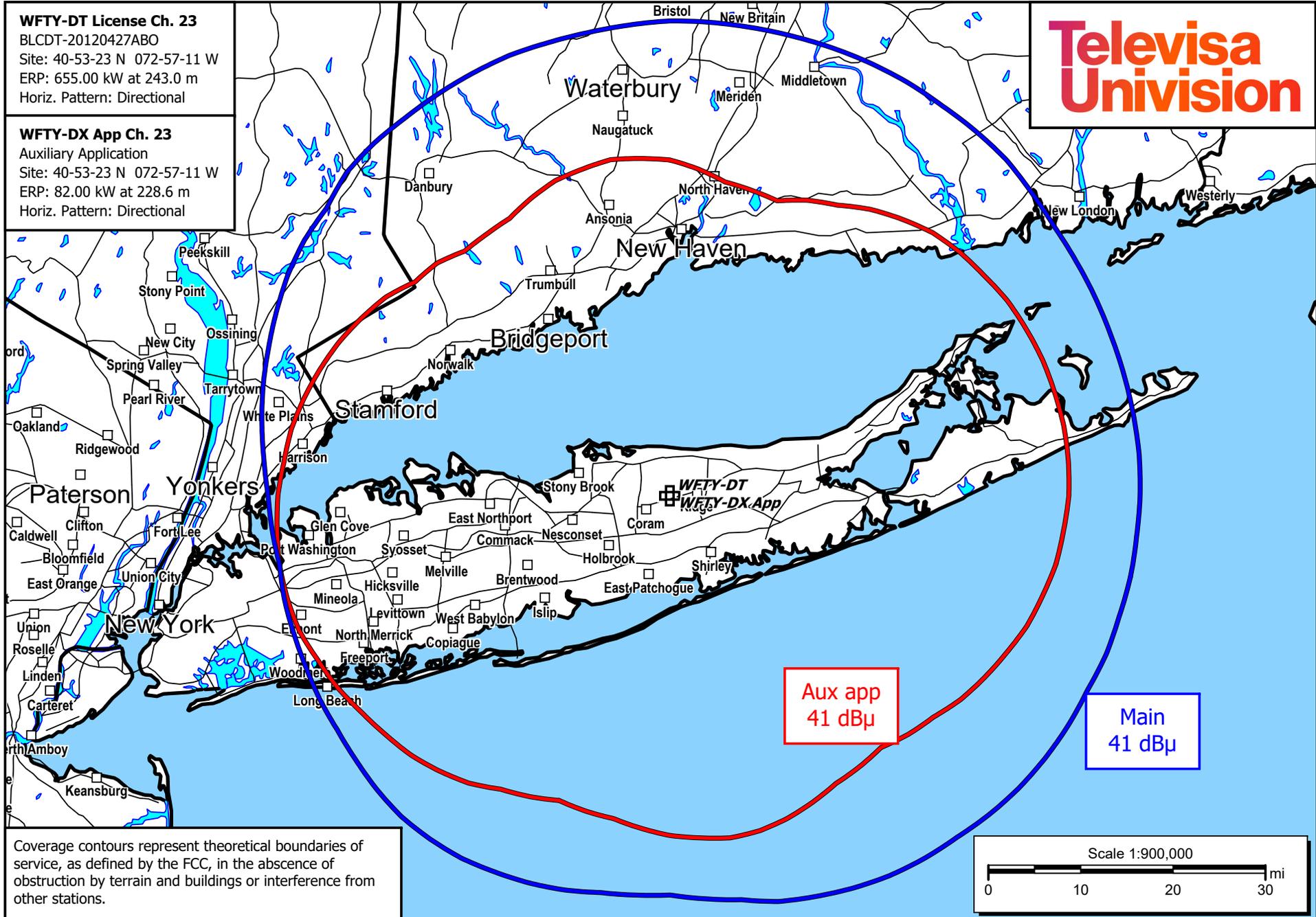
¹ See [BLCDT-20120427ABO](#)

² See [BLCDT-20030113ABS](#)

WFTY Main - Aux Contour Comparison

WFTY-DT License Ch. 23
 BLCDT-20120427ABO
 Site: 40-53-23 N 072-57-11 W
 ERP: 655.00 kW at 243.0 m
 Horiz. Pattern: Directional

WFTY-DX App Ch. 23
 Auxiliary Application
 Site: 40-53-23 N 072-57-11 W
 ERP: 82.00 kW at 228.6 m
 Horiz. Pattern: Directional



Aux app
41 dBu

Main
41 dBu

Coverage contours represent theoretical boundaries of service, as defined by the FCC, in the absence of obstruction by terrain and buildings or interference from other stations.

