

**The Bundy Museum of History & Art
WBDY-LP – Facility ID 194370 – Binghamton, NY
Application for Minor Change Construction Permit**

Technical Exhibit and Request for "Second-Adjacent" Waiver

Bundy Museum of History and Art ("Bundy") requests a minor change in the facilities of WBDY-LP to move its transmit antenna to an existing self-supporting tower approximately 20 meters east of the present antenna structure. Radiation center elevation will increase to 30.5 meters above ground level, 463 meters above mean sea level, and 92 meters above average terrain. The existing two-bay non-directional circularly-polarized antenna will be retained. Effective radiated power will be reduced to 0.010 kW to provide 60 dBu coverage equivalent to the LPFM class maximum of 0.100 kW at 30 meters HAAT.

The proposed site at 63 Ridge Road, Binghamton is owned by the County of Broome, New York and presently listed in the FCC ULS database as "Location 2–Fixed" of Public Safety station WRJQ426. The structure has an overall height of 59.5 meters and does not require registration.

Under the provisions of 47 CFR § 73.807(e)(1), Bundy respectfully requests a waiver of minimum distance separation requirements toward second-adjacent stations WAAL, Channel 256B, Binghamton NY and WIII, Channel 260B, Cortland NY. Figures 1 and 2 demonstrate that the proposed 99.3 dBu free-space contour (which does not exceed the predicted field strengths of WAAL or WIII by more than 40 dB) would not reach any habitable buildings. This contour has a radius of 240 meters and is plotted on USGS satellite imagery in a separate attachment. Please note that a similar waiver was granted in WBDY-LP's previous Construction Permit BMPL-20171018ABB. Since November 2017 when the station began regular operation, Bundy has not received any complaints of interference to WAAL or WIII. Bundy will also install any filtering required to suppress spurious emissions and prevent harmful interference to collocated communication equipment at the site.

Figure 1

Service Contours of WAAL and WIII at Proposed WBDY-LP Site

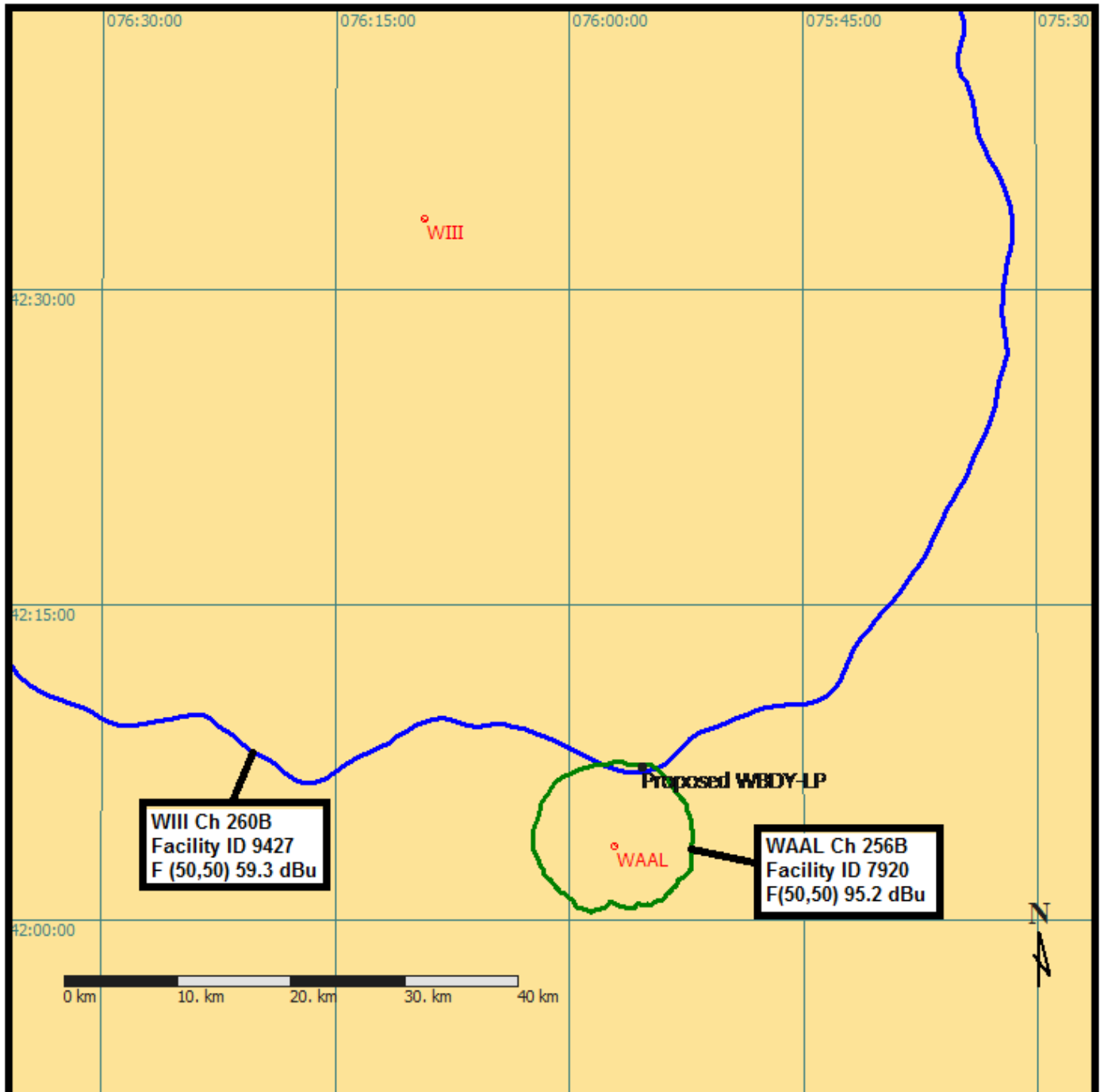


Figure 2

Predicted 2nd-Adjacent Interference to Will Channel 260B

