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Channel 6 Showing

The proposed facility is inside the radii of two “potentially impacted TV stations” pursuant to §73.525(a) of the Commission’s Rules.

IN RESPECT TO WRGB-TV

The 59 dBu interfering contour of the proposed facility, based on maximum authorized ERP would not overlap the 47 dBu protected service contour of the WRGB-TV licensed facility. See attached contour map.

IN RESPECT TO WPVI-TV

The 59 dBu interfering contour of the proposed facility does overlap with the 47 dBu protected contour of the WPVI-TV licensed facility. To address this issue, the applicant proposes to specify operation with 0.35 kW with a vertical polarization only.

At a permissible horizontally polarized ERP 0.35 kW from the same proposed antenna height, the proposed 59 dBu contour would interfere with WPVI’s 47 dBu contour within the following incorporated communities:

- Bernardsville, New Jersey (2010 population 7,707 persons)
- Far Hills, New Jersey (2010 population 919 persons)
- Watchung, New Jersey (2010 population 5,801 persons)

Pursuant to §73.525(e)(4)(i) of the Commission’s Rules, as all of these communities in the interference area have populations of less than 50,000 persons, then we may base the interference based on an area that is the proposed vertical ERP, divided by 40, which in this case would be 8.75 watts (0.00875 kW). Based on this calculation of 0.35 kW vertical ERP, divided by 40, the 59 dBu contour of the proposed facility would be entirely outside of the 47 dBu protected contour of WPVI-TV.

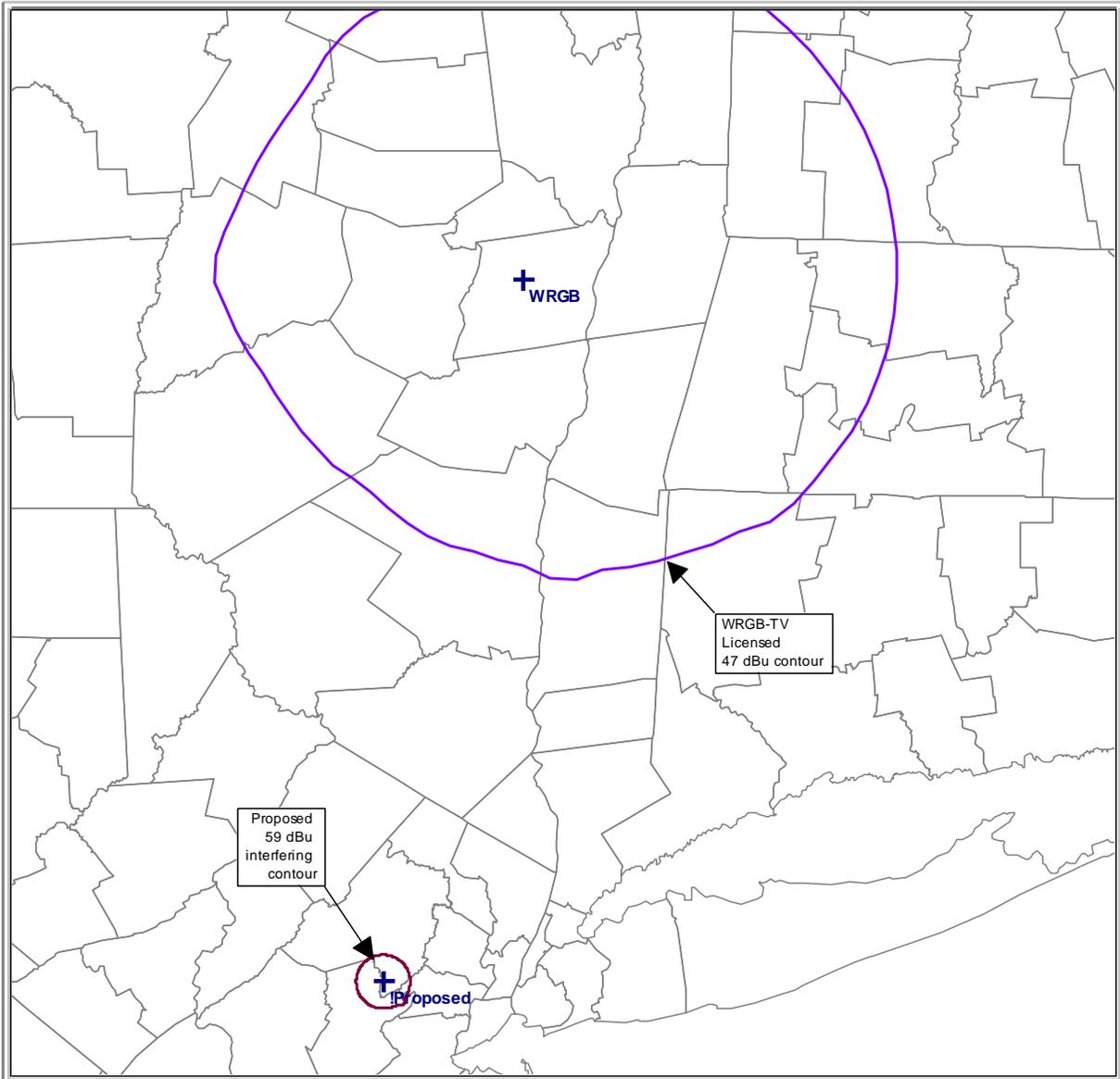
Therefore, it can be demonstrated that the proposed facility would meet the interference requirements in respect to the licensed facilities of WRGB-TV and WPVI-TV.

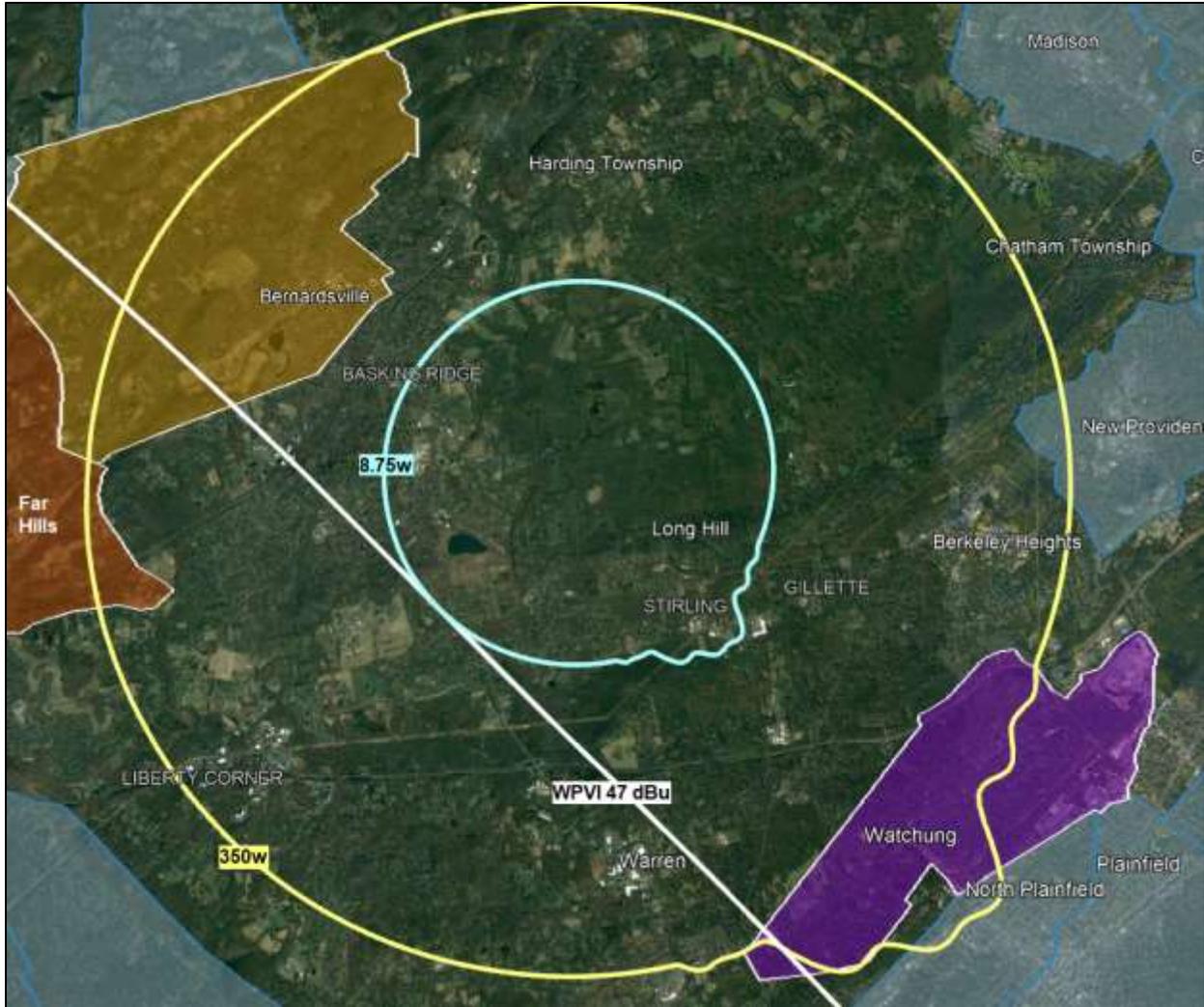
Report prepared by,

/S/
Michelle Bradley
REC Networks

November 8, 2021

Proposed vs. WRGB-TV





The white contour is the licensed 47 dBu contour for WPVI-TV.

The yellow contour is the 350 watt 59 dBu contour for the proposed facility.

The cyan contour is the 8.75 watt (350 divided by 40) 59 dBu contour for the proposed facility.

The shaded areas are incorporated cities with the three relevant cities (Far Hills, Bernardsville and Watchung) highlighted.

As demonstrated, the adjusted 59 dBu contour of the proposed facility (using the division by 40 per §73.525(e)(4)(1) remains entirely outside of the WPVI service contour, therefore creating no interference zone.

Applicant proposes vertical only operation.