

**Station WISC-TV • Post Repack Channel 11 • Madison, Wisconsin**

**Engineering Exhibit in Support of STA Extension and Power Increase**

**Statement of Hammett & Edison, Inc., Consulting Engineers**

Hammett & Edison, Inc., Consulting Engineers, has been retained by Television Wisconsin, Inc., licensee of Station WISC-TV, Post Repack Channel 11, Madison, Wisconsin, to prepare this engineering exhibit supporting an extension of the existing Special Temporary Authority (STA) for a side-mounted, directional, Channel 11 transmitting antenna at an effective radiated power (“ERP”) of 16.0 kW.

**STA Extension and Power Increase**

In January 2020, the Commission granted WISC-TV’s engineering STA application for a side-mounted, directional, elliptically-polarized Channel 11 transmitting antenna, to be used while tower riggers are changing out the top-mounted WISC-TV, Channel 50, and WMSN-TV, Channel 49, main antennas to Channel 11 (for WISC-TV) and Channel 18 (for WMSN-TV) main antennas. That STA is due to expire on April 15, 2020, and WISC-TV requests an extension of the STA with no changes. The attached figure shows that the FCC F(50,90) 36 dBu contour of the 16.0 kW STA facility will be completely enclosed within the 36 dBu contour of the permitted WISC-TV Channel 11 main facility.

An environmental assessment is not required, as grant of this request would not be considered a major environmental action. The maximum calculated power density at 2 meters above ground was found to be less than 5% of the applicable public exposure limit (0.20 mW/cm<sup>2</sup> at Channel 11). The proposed operation is therefore categorically excluded under Section 1.1307(b)(3) of the FCC Rules from having to consider the contributions of other stations at the site.

**Authorship**

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration No. E-18063, which expires on June 30, 2021. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

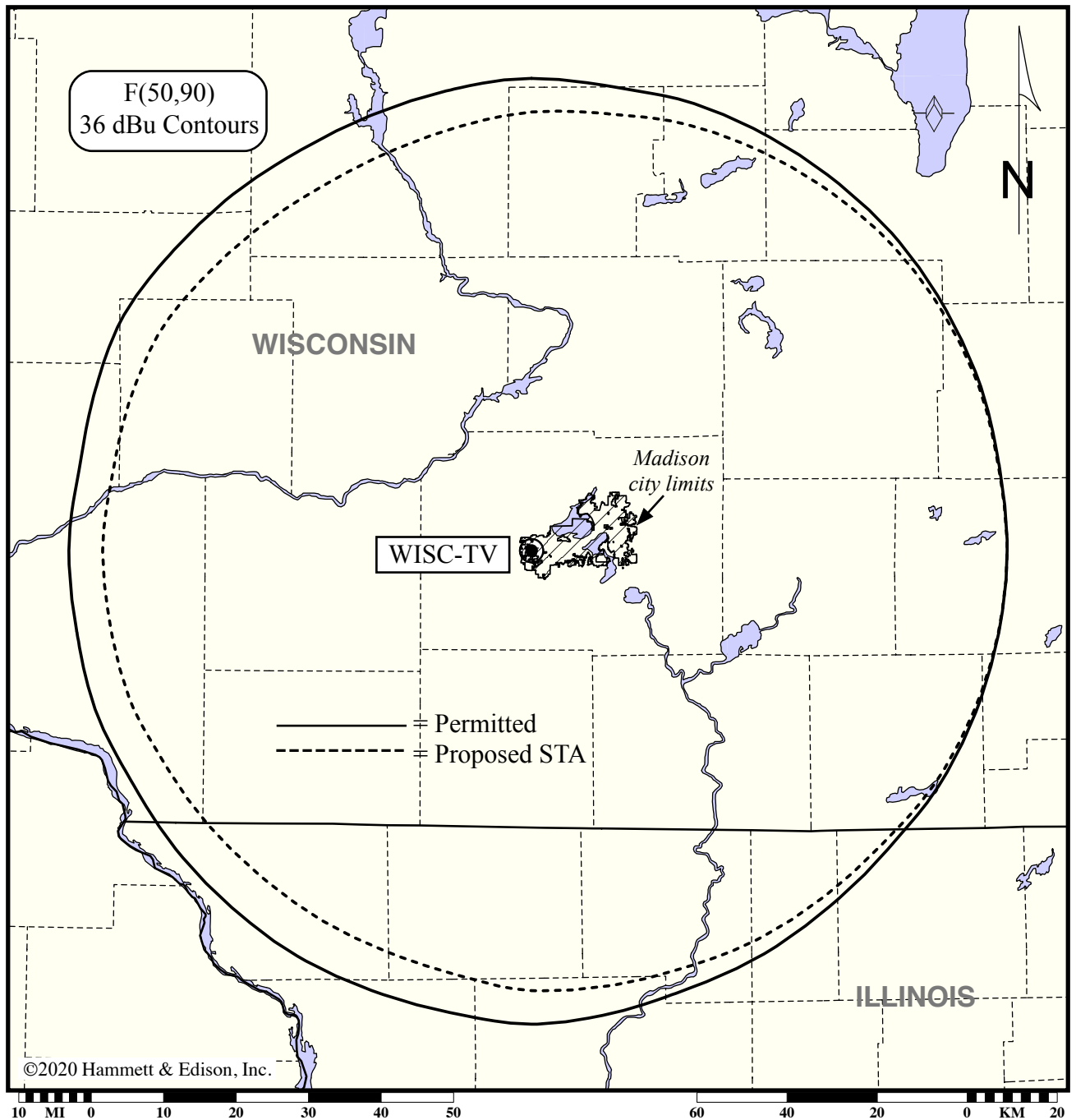


April 3, 2020



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Permitted vs. Proposed STA Operation



Lambert conformal conic map projection. State, county, and city limits shown taken from U.S. Census Bureau TIGER/Line 2010 data.

