

**Engineering Statement**  
**Auxiliary Facility Construction Permit Application**  
**WTTG Channel 36 Washington, DC**  
**July 6, 2022**

The facility proposed in this application will share the auxiliary facility licensed to WRC-TV (facility ID 47904, file number 0000080940) and is located 3.3 km from the WTTG licensed main facility. It will operate with an effective radiated power (ERP) of 300 kW from a non-directional antenna with a radiation center above mean sea level (RCAMSL) of 228.9 meters. An analysis of the facility indicates the predicted noise limited contour will be well within that of the licensed main facility (see attached contour compare map). It is further noted that the proposed facility can be implemented without causing any non-de minimis interference to other stations as confirmed by the FCC analysis software, TVStudy. A copy of the analysis results are provided as an attachment to this application.