

TECHNICAL EXHIBIT  
IN SUPPORT OF  
SPECIAL TEMPORARY AUTHORITY (STA)  
FOR STATION WIRT-DT (FACILITY ID 71336)  
HIBBING, MINNESOTA  
CH 13 9.8 KW 204 M

Technical Narrative

This Technical Exhibit supports a Special Temporary Authority (STA) for digital television station WIRT-DT on channel 13 at Hibbing, Minnesota. Station WIRT-DT is authorized to operate on digital channel 13 (post-transition) with a directional antenna effective radiated power (ERP) of 13 kilowatts (kW) and an antenna height above average terrain (HAAT) of 204 meters (BMPCDT-20080620ABW). The proposed facility's 36 dBu contour is fully encompassed by the authorized post-transition maximization facility's 36 dBu contour.

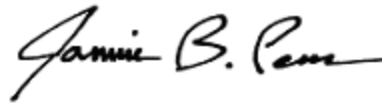
This application requests a special temporary authority (STA) to permit WIRT-DT to commence early operation on February 18<sup>th</sup>, 2009.

Proposed STA Facilities

The proposed (NAD27) coordinates are: 47-22-53 N, 92-57-15 W. The WIRT-DT STA operation proposes use of an RCA TF-12AH, directional antenna, with a maximum ERP of 9.8 kW at an antenna HAAT of 204 meters. The proposed antenna radiation center above mean sea level is 638 meters.

Allocation Considerations

The proposed WIRT-DT STA operation meets both the FCC's pre-transition and post-transition interference standards to pertinent Analog, Class A and DTV facilities using the procedures outlined in the FCC's OET-69 Bulletin with a standard 2 kilometer cell size and 1 kilometer terrain distance increment.

A handwritten signature in black ink, reading "Jamie B. Peer". The signature is fluid and cursive, with the first name "Jamie" and last name "Peer" clearly legible.

Jamie B. Peer

du Treil, Lundin & Rackley, Inc.  
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