

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

This application requests a special temporary authority (STA) to permit WIRT-DT to increase ERP to 13 kilowatts prior to June 13th, 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 13 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.



Jonathan N. Edwards

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
(941) 329-6000
JON@DLR.COM

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