

TECHNICAL EXHIBIT
IN SUPPORT OF LICENSE APPLICATION
FOR STATION WHBF-DT (FACILITY ID 13950)
ROCK ISLAND, ILLINOIS
CH 4 24.1 KW 409 M

Technical Narrative

This technical statement was prepared in support of the license application for station WHBF-DT at Rock Island, Illinois. Station WHBF-DT holds a post-transition authorization for channel 4 with a non-directional effective radiated power (ERP) of 24.1 kilowatts (kW) and an antenna radiation center height above average terrain (HAAT) of 409 meters (BPCDT-20080620ABL). Station WHBF-DT is operating under automatic program test authority and this application for license is being filed to cover its construction permit.



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

June 18, 2009

TECHNICAL EXHIBIT
IN SUPPORT OF LICENSE APPLICATION
FOR STATION WHBF-DT (FACILITY ID 13950)
ROCK ISLAND, ILLINOIS
CH 4 24.1 KW 409 M

WHBF-DT RF Transmission System Specifications

Description	System
Transmitter Power Output (5.0 kW):	7.0 dBk
Transmission Line Loss (87.5%) (6" rigid air) 1350 feet:	0.6 dB
HAR TAB-6L (5.5 Power Gain):	7.4 dB
Effective Radiated Power (24.1 kW):	13.8 dBk