

TECHNICAL EXHIBIT  
IN SUPPORT OF LICENSE APPLICATION  
FOR STATION WHBF-TV (FACILITY ID 13950)  
ROCK ISLAND, ILLINOIS  
CH 4 33.7 KW 409 M

Technical Narrative

This technical statement was prepared in support of the license application for station WHBF-TV at Rock Island, Illinois. Station WHBF-TV has been granted a construction permit (BPCDT-20100512AFK) to operate on channel 4 with a non-directional effective radiated power (ERP) of 33.7 kilowatts (kW) and an antenna radiation center height above average terrain (HAAT) of 409 meters. Station WHBF-TV is currently operating under special temporary authority with these facilities. This application for license is being filed to cover the construction permit.



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WHBF-TV RF Transmission System Specifications

Description	System
Transmitter Power Output (7.05 kW):	8.48 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 (33.7 kW):	15.28 dBk