

TECHNICAL EXHIBIT
IN SUPPORT OF LICENSE APPLICATION
FOR STATION WBUP-DT (FACILITY ID 59281)
ISHPEMING, MICHIGAN
CH 10 4.8 KW (MAX-DA) 105 M

Technical Narrative

This technical statement was prepared in support of the license application for station WBUP-DT at Ishpeming, Michigan. Station WBUP-DT holds a post-transition authorization for channel 10 with a maximum effective radiated power (ERP) of 4.8 kilowatts (kW) and an antenna radiation center height above average terrain (HAAT) of 105 meters (BPCDT-20080402ABL). Station WBUP-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 16, 2009

TECHNICAL EXHIBIT
IN SUPPORT OF LICENSE APPLICATION
FOR STATION WBUP-DT (FACILITY ID 59281)
ISHPEMING, MICHIGAN
CH 10 4.8 KW (MAX-DA) 105 M

WBUP-DT RF Transmission System Specifications

Description	System
Transmitter Power Output (0.77 kW):	-1.15 dBk
Transmission Line Loss (76.9%) (1-5/8" rigid air) 400 feet:	1.14 dB
RFS BV4A(m) (8.13 Power Gain):	9.1 dB
Effective Radiated Power (4.8 kW-DA):	6.8 dBk