

TECHNICAL EXHIBIT  
IN SUPPORT OF LICENSE APPLICATION  
FOR STATION KSTP-DT (FACILITY ID 28010)  
ST. PAUL, MINNESOTA  
CH 35 755 KW 433 M

Technical Narrative

This technical statement was prepared in support of the license application for station KSTP-DT at Minneapolis, Minnesota. Station KSTP-DT holds a post-transition authorization for channel 35 with an effective radiated power (ERP) of 755 kilowatts (kW) and an antenna radiation center height above average terrain (HAAT) of 433 meters (BPCDT-20080321ABD). Station KSTP-DT is operating under automatic program test authority and this application for license is being filed to cover its construction permit.



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KSTP-DT RF Transmission System Specifications

Description	System
Transmitter Power Output (35.4 kW):	15.5 dBk
Combiner Loss (93.3%)	0.3 dB
Transmission Line Loss (75%) (8" rigid):	1.25 dB
DIE TAD-32UDC-5/80-MRST (30.4 RMS Power Gain):	14.83 dB
Effective Radiated Power (755 kW-ND):	28.78 dBk