

TECHNICAL EXHIBIT
REQUEST FOR LICENSE
TELEVISION STATION KDVR-DT
DENVER, COLORADO
CH 32 1000 KW (MAX-DA) 314 M

Technical Statement

This Technical Exhibit was prepared on behalf of Television Station KDVR-DT on Channel 32 assigned to Denver, Colorado in support of its request for station license. The station has completed equipment tests, is operating pursuant to automatic program test authority and by this instant application is requesting licensure for the authorized facility of a maximum average effective radiated power of 1000 kilowatts on Channel 32.¹

Figure 1 is a tabulation of the carrier transmission system losses.

It is noted that the installed antenna is an Andrew model number ATW22H4-ESC3-32S. The installed model number differs slightly from that specified within the construction permit. However, the only difference is to reflect this antenna has an electrical beamtilt of 1.0 degrees, indicated by the H4 code in the antenna model

¹ See FCC Construction Permit File Number: BPCDT-20080207APA.

number. No change to the authorized antenna horizontal plane pattern occurs.

Charles A. Cooper

September 11, 2009

du Treil, Lundin & Rackley, Inc.
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941.329.6000

Figure 1

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KDVR-DT RF System Summary

Description	System
Transmitter Power Output (25.7 kW):	14.1 dBk
Transmission Line: 6-1/8" 275 feet:	0.4 dB
Antenna: Andrew, ATW22H4-ESC3-32S (42.6 Power Gain):	16.3 dB
Maximum Effective Radiated Power (1000 kW):	30.0 dBk