

TECHNICAL EXHIBIT
REQUEST FOR LICENSE
TELEVISION STATION WTIC-DT
HARTFORD, CONNECTICUT
CH 31 380 KW (MAX-DA) 506 M

Technical Statement

This Technical Exhibit was prepared on behalf of Television Station WTIC-DT on Channel 31 assigned to Hartford, Connecticut 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 380 kilowatts on Channel 31.¹

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

Charles A. Cooper

August 31, 2009

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
941.329.6000

¹ See FCC Construction Permit File Number: BMPCDT-20040616AAM.

Figure 1

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WTIC-DT RF System Summary

Description	System
Transmitter Power Output (24 kW):	13.8 dBk
Transmission Line - EIA/DCA 7-3/16": 1375 ft	1.4 dB
Shared Transmission Line Tee:	0.20 dB
Antenna: TFU-18DSC/VP-R C170 (22.7 Power Gain):	13.6 dB
Maximum Effective Radiated Power (380 kW):	25.8 dBk