

TECHNICAL EXHIBIT
REQUEST FOR LICENSE
TELEVISION STATION WPHL-DT
PHILADELPHIA, PENNSYLVANIA
CH 17 645 KW 324 M

Technical Statement

This Technical Exhibit was prepared on behalf of Television Station WPHL-DT on Channel 17 assigned to Philadelphia, Pennsylvania 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 645 kilowatts on Channel 17.¹

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-20080619ALB.

Figure 1

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WPHL-DT RF System Summary

Description	System
Transmitter Power Output (32.2 kW):	15.1 dBk
Transmission Line, Dielectric 7-3/16" EIA: (1150 ft)	1.0 dB
Antenna: RCA TFU-25G:	14.0 dB
Effective Radiated Power (645 kW):	28.1 dBk