

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
TELEVISION STATION WTWV-DT
MEMPHIS, TENNESSEE
CH 23 1000 KW (MAX-DA) 261 M

Technical Statement

This Technical Exhibit was prepared on behalf of Television Station WTWV-DT on Channel 23 assigned to Memphis, Tennessee in support of its request for station license. The station has completed equipment tests and is operating pursuant to automatic program test authority for the authorized facility of a maximum average effective radiated power of 1000 kilowatts on Channel 23.¹

Figure 1 is a tabulation of the R.F. transmission system losses.

Charles A. Cooper

June 15, 2009

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

¹ See FCC Construction Permit File Number: BMPEDT-20090113ACJ.

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WTWV-DT RF System Summary

Description	System
Transmitter Power Output (47.3 kW):	16.7 dBk
Mask Filter (included in transmitter):	0.0 dB
Transmission Line - Rigid EIA Single 6-1/8" 75 ohm main feeder, 970 feet	1.1 dB
Antenna: TFU-30GTH/VP-R 6T130 (27.1 Power Gain):	14.3 dB
Maximum Effective Radiated Power (1000 kW):	30.0 dBk