

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
TELEVISION STATION WWAY-DT
WILMINGTON, NORTH CAROLINA
CH 46 800 KW (MAX-DA) 590 M

Technical Statement

This Technical Exhibit was prepared on behalf of Television Station WWAY-DT on Channel 46 assigned to Wilmington, North Carolina in support of its application for license. The station is presently operating on automatic program test authority with the authorized facilities of 800 kilowatts employing a directional antenna and an antenna height above average terrain of 590 meters on Channel 46.¹

The installed antenna, manufactured by Andrew, has a model number *ABBP14H4-HTCX1-30/54*. This model number supersedes what was identified in the application for construction permit. However, there is no actual change in the horizontal radiation pattern. Figure 1 is a tabulation of the carrier transmission system losses.

Charles A. Cooper

October 8, 2003

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

¹ See FCC Construction Permit File Number: BMPCDT-20020926ACL.

Figure 1

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WWAY-DT System Transmission System Losses

Description	System
Transmitter Power Output (22 kW):	13.4 dBk
Transmission Line LOSS (Andrew 7-3/16" rigid line) 2100 feet:	1.9 dB
Antenna Andrew ABBP14H4-HTCX1-30/54 (56.1 Power Gain):	17.5 dB
Maximum Effective Radiated Power (800 kW):	29.0 dBk