

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
TELEVISION STATION WTOL-DT
TOLEDO, OHIO
CH 17 735 KW (MAX-DA) 263 M

Technical Statement

This Technical Exhibit was prepared on behalf of Television Station WTOL-DT on Channel 17 assigned to Toledo, Ohio in support of its application for license. The station is presently operating on automatic program test authority with the authorized facilities of 735 kilowatts employing a directional antenna and an antenna height above average terrain of 263 meters on Channel 17.¹

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

Charles A. Cooper

October 31, 2003

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

¹ See FCC Construction Permit File Number: BMPCDT-20011218AAT.

Figure 1

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WTOL-DT System Transmission System Losses

Description	System
Transmitter Power Output (23 kW):	13.6 dBk
DTV Filter Insertion Loss:	0.15 dB
Transmission Line Loss (Andrew MACX650) 952 feet:	1.04 dB
Antenna Andrew ALP24M3-HSWR-17 (42.6 Power Gain):	16.3 dB
Maximum Effective Radiated Power (735 kW):	28.7 dBk