

TECHNICAL EXHIBIT  
APPLICATION FOR LICENSE  
TELEVISION STATION WLOX-DT  
BILOXI, MISSISSIPPI  
CH 39 715 KW (MAX-DA) 366 M

Technical Statement

This Technical Exhibit was prepared on behalf of Television Station WLOX-DT on Channel 39 assigned to Biloxi, Mississippi in support of its application for license. The station is presently operating on automatic program test authority with the authorized facilities of 715 kilowatts with an antenna height above average terrain of 366 meters on Channel 39.<sup>1</sup>

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

The only difference in what was originally authorized and what is actually constructed is the electrical beamtilt. The actual electrical beam tilt is 0.75 degrees compared to the initially authorized value of 1.0 degrees. Due to this electrical beamtilt change, the antenna model number is now identified as ATW25H3-HSWC-39H.

Charles A. Cooper

February 5, 2003

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
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<sup>1</sup> See FCC Construction Permit File Number: BMPCDT-20020926ACM.

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WLOX-DT System Transmission System Losses

Description	Loss in dB
Transmission Line - MACXLine Single 6-1/8" 50 ohm main feeder, 1170 feet (1100 feet vertical and 70 feet horizontal)	1.6
Combiner:	0.2
Total System Loss:	1.8