

Exhibit 8 - Statement A
ENGINEERING STATEMENT
prepared for
WCVB Hearst-Argyle Television, Inc.
WCVB-DT Boston, Massachusetts
Ch. 20 625 kW 390 m

WCVB Hearst-Argyle Television, Inc. is the licensee of WCVB-DT, Channel 20, Boston, Massachusetts (file number BLCDT-19981123KF). A construction permit (“CP”, file number BPCDT-19981221KG) authorizes a minor change in the WCVB-DT facility. This statement and accompanying table provide additional engineering information to support an *Application for License* on FCC Form 302-DT to cover construction of the modified WCVB-DT facility. The facility has been constructed as specified in the CP. Representatives of the permittee advise that the sole special operating condition (related to health care facility notification) has been met.

Transmission Line and Combiner Loss

The WCVB-DT antenna system is intended to handle multiple transmitters. Specifically, the WBZ-DT (Ch. 30, Boston, MA) and WGBX-DT (Ch. 43, Boston, MA) facilities are also authorized to use this antenna. An application is pending for station WSBK-DT (Ch. 39, Boston, MA) to also employ this common antenna system. A combining system has been installed to couple the transmitter outputs of WCVB-DT and the various other stations into the common transmission line and antenna system. Since the combiner system is located at a distance from the WCVB-DT transmitter, a 26.52 meter length of transmission line is employed to interconnect the WCVB-DT transmitter with the combiner system. The combiner system is, in turn, interconnected with the transmitting antenna with a 439.02 meter length of transmission line. These transmission lines are of differing size (nominal inside transverse dimension). The attached **Table 1** provides a summary of the transmission line and combiner loss data, to supplement the data supplied on the accompanying FCC Form 302-DT, Section III, Item 2. The net system loss from Table 1 is reported in the Form 302-DT, Section III, Item 2 “tech box” entry for “Transmission Line Power Loss”.

Exhibit 8 - Table 1
TRANSMISSION LINE AND COMBINER LOSS SUMMARY
 prepared for
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A. Transmission Line Losses

Item	Make	Type No.	Coaxial or Waveguide	Size (Nominal inside transverse dimensions) (cm)	Length (meters)	Power loss for this length (dB)
Line "A"	Dielectric	DL 675-004	Coaxial	15.56	26.52	0.102
Line "B"	Dielectric	DL 877-004	Coaxial	21.27	439.02	1.181
Total Line Loss						1.283

B. Combiner Loss

Combiner System Loss: 0.25 dB on Channel 20, per manufacturer

C. Total Losses

Total System Loss: 1.53 dB Line Loss plus Combiner Loss