

Exhibit 8 - Statement A
ENGINEERING STATEMENT

prepared for
Gray Television Licensee, Inc.
WIBW-DT Topeka, Kansas
Facility ID 63160
Ch. 44 93.4 kW 392 m

Gray Television Licensee, Inc. is the licensee of WIBW-TV, NTSC (analog) Channel 13, Topeka, Kansas (file number BLCT-2399). A Construction Permit (“CP”, BMPCDT-20051109AAN) authorizes construction of the paired DTV facility on Channel 44. This statement provides additional engineering information to support an *Application for License* on FCC Form 302-DT to cover construction of the WIBW-DT facility as authorized in the CP. The facility has been constructed as specified in the CP. WIBW-DT has previously been operating pursuant to Special Temporary Authority.

The WIBW-DT transmission line system is shared with the paired WIBW-TV Channel 13 facility. A combining/splitting system has been installed to couple the analog WIBW-TV and digital WIBW-DT transmitter outputs into the common transmission line, however the facilities employ different antennas. The combiner/splitter arrangement has a loss of 0.1 dB on Channel 44, according to manufacturer’s data. The attached **Exhibit 8 - 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 total “Line and Other Losses” from **Table 1** (1.91 dB) is reported in the Form 302-DT, Section III, Item 2 “Tech Box” entry for “Transmission Line Power Loss”.

Certification

The undersigned hereby certifies that the foregoing statement was prepared by him or under his direction, and that it is true and correct to the best of his knowledge and belief.

Joseph M. Davis, P.E.
December 15, 2005

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Exhibit 8 - Table 1
ENGINEERING STATEMENT
prepared for
Gray Television Licensee, Inc.
WIBW-DT Topeka, Kansas
Facility ID 63160
Ch. 44 193 kW 379 m

Construction Permit File Number: BMPCDT-20051109AAN

Authorized Effective Radiated Power:	193 kW	22.86 dBk
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Antenna System

ERI ALP32L4-HSP-44

Max Power Gain:	17.8 dBd
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Antenna Input Power:	5.06 dBk
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Line and Other Losses

Transmission Line Section #1

6 1/8 inch Rigid, 50 Ohm Coaxial

Length 1100 feet	Loss:	1.46 dB
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Transmission Line Section #2

2 1/4 inch Flexible, 50 Ohm Coaxial

Length 75 feet	Loss:	0.35 dB
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Combiner/Splitter

("Shared Line T")

Loss:	0.10 dB
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Total Losses:	1.91 dB
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<u>Transmitter Power Output:</u>	5.0 kW	6.97 dBk
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