



Table 1

**Auxiliary Antenna / Line System Gains and Losses**

prepared for

**Greater Washington Educational Telecommunications Association**

WETA(FM) Washington, DC

Construction Permit File Number: BXPED-20090310ADH

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**Authorized Effective Radiated Power: 5.0 kW 6.99 dBk**

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**Antenna System**

SHI 6810BB-2R-PS

Max Power Gain:

0.988

-0.05 dB

**Antenna Input Power:**

**5.1 kW**

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**Line and Other Losses**

Transmission Line

Loss:

0.71 dB

Andrew HJ7-50A, 110.3 meter length

Other Losses

--- None ---

**Total Losses:**

**0.71 dB**

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**Transmitter Power Output:**

**6.0 kW**

**7.75 dBk**