



Table 1

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

prepared for

**Greater Washington Educational Telecommunications Association**

WETA(FM) Washington, DC

Auxiliary Antenna License File Number: BXLED-20090826ABE

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<b>Authorized Effective Radiated Power:</b>	<b>12.5 kW</b>	<b>10.97 dBk</b>
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**Antenna System**

SHI 6810BB-2R-PS

Max Power Gain:

0.988

-0.05 dBd

**Antenna Input Power:**

**12.7 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:**

**14.9 kW**

**11.73 dBk**

**TPO Rounded per §73.212:**

**15.0 kW**