



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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<b>Authorized Effective Radiated Power:</b>	<b>5.0 kW</b>	<b>6.99 dBk</b>
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**Antenna System**

SHI 6810BB-2R-PS	Max Power Gain:	0.988	-0.05 dB
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<b>Antenna Input Power:</b>	<b>5.1 kW</b>
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**Line and Other Losses**

Transmission Line	Loss:	0.71 dB
Andrew HJ7-50A, 110.3 meter length		

Other Losses

--- None ---

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<b>Total Losses:</b>	<b>0.71 dB</b>
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<b><u>Transmitter Power Output:</u></b>	<b>6.0 kW</b>	<b>7.75 dBk</b>
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