



Table 1

Antenna / Line System Gains and Losses

prepared for

Greater Washington Educational Telecommunications Association

WETA(FM) Washington, DC

Construction Permit File Number: BXPED-20080724ABC

Authorized Effective Radiated Power:	22.5 kW	13.52 dBk
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Antenna System

SHI 6814BB-2D	Max Power Gain:	0.988	-0.05 dB
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Antenna Input Power:	22.8 kW
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Line and Other Losses

Transmission Line	Loss:	0.41 dB
Cablewave HCA318-50, length 118.9 m		

Other Losses

--- None ---

Total Losses:	0.41 dB
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<u>Transmitter Power Output:</u>	25.0 kW	13.98 dBk
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