



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

Antenna System

SHI 6814BB-2D

Max Power Gain:

0.988

-0.05 dB

Antenna Input Power:

22.8 kW

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

Transmitter Power Output:

25.0 kW

13.98 dBk