



Table 1

**Antenna / Line System Gains and Losses**

prepared for

**Commonwealth Broadcasting, L.L.C.**

WUSH(FM) Poquoson, VA

Auxiliary Antenna Construction Permit File Number:      BXPB-20160115ABT

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**Authorized Effective Radiated Power:                      1.95 kW**

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**Antenna System**

Shively 6842-2D-SS    Power Gain:                      0.75  
2 elements spaced 0.54 wavelength

**Antenna Input Power:    2.60 kW**

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**Line and Other Losses**

Transmission Line    Efficiency:                      96.8%  
1-5/8" coax, RFS LCF158-50JA (70 ft length)

Other Losses  
None

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**Transmitter Power Output:    2.686 kW**  
**Rounded per §73.212:    2.70 kW**