



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

**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**