

# **Exhibit1A**

## **Transmitter Output Power Calculation**

Date: 2021-08-09

File No: BNPFT-20180419AAD      Facility ID: 202088

W245DN      LYONS, GEORGIA

96.9 MHz Channel 245

ERP 0.250 kW

Antenna: Nicom, Model BKG-77    Bays: 1    Spacing: Full Wave

Antenna Power Gain: 0.500 or -3.010 dB

Antenna Input Power: 0.500 KW for 0.250 KW ERP

## **Transmission Line Losses**

Manufacturer: RFS LCF-50 Series

Type: 1 5/8 inch foam dielectric

Loss per 100 feet -0.197dB @ 96.9 MHz

Transmission Line Length: 400ft

Transmission Line Loss: -0.787dB

Efficiency: 83.4%

## **Additional System Losses**

Filter: 0dB

Isocoupler: -0.2dB Kintornics, FMC-1.5

Misc: 0dB

Total Losses: -0.987dB

System Efficiency: 79.67%

Transmitter Output: 0.628 KW for 0.250 KW

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