

Exhibit 1

Transmitter Output Power Calculation

Date 2020-01-17

File No. 0000094010 **Facility ID** 196993

WZFN LP Sandy Springs SC

104.3 MHz **Channel** 282

ERP 0.037 kW

Antenna Dielectric **Model** DCR-L1 **Bays:** 1 **Spacing:** Full Wave

Antenna Power Gain 0.460 -3.372 dB

Antenna Input Power 0.080 kW For 0.037 kW ERP

Transmission Line Losses

Manufacturer RFS LCF50 Series

Type 1/2 inch Foam Dielectric

Loss per 100 feet -0.671 dB At: 104.3 MHz

Transmission Line Length 135 ft

Transmission Line Loss -0.906 dB

Efficiency 81.2%

Additional System Losses

Filter -0.2 dB

Isolator -0.5 dB

Misc -0.3 dB

Total Losses -1.906 dB

System Efficiency 64.47%



Transmitter Output 0.124 kW For 0.037 kW ERP

