

Exhibit 1

Transmitter Output Power Calculation

Date 2019-06-21

File No. BPED-20180312AAJ **Facility ID** 63466

KCJH Livingston CA

89.1 MHz **Channel** 206

ERP 13.000 kW

Antenna PSI **Model** PSIFMV-3E-DA **Bays:** 3 **Spacing:** Full Wave

Antenna Power Gain 5.800 7.634 dB

Antenna Input Power 2.241 kW For 13.000 kW ERP

Transmission Line Losses

Manufacturer Andrew HJ50 Series

Type 1 5/8 inch Air Dielectric

Loss per 100 feet -0.191 dB At: 89.1 MHz

Transmission Line Length 225 ft

Transmission Line Loss -0.430 dB

Efficiency 90.6%

Additional System Losses

Filter 0 dB

Isolator 0 dB

Misc 0 dB

Total Losses -0.430 dB

System Efficiency 90.57%

