

Transmitter Output Power Calculation

Date 2018-10-22

Facility ID 87717 W219DV Jacksonville IL 91.7MHz

Channel 219

ERP 0.038kW

Antenna Shively

Model 6812C-1

Bays: 1

Antenna Power Gain 0.460 -3.372dB

Antenna Input Power 0.083kW For 0.038kW ERP

Transmission Line Losses

Manufacturer Andrew FSJ40-50B

Type .5 inch Foam Dielectric

Loss per 100 feet -0.992dB At: 91.7MHz

Transmission Line Length 175ft

Transmission Line Loss -1.742dB

Transmitter Output 0.124kW For 0.038kW ERP