

**Family Life Ministries, Inc.**  
PO Box 506  
Bath, NY 14810

Friendship, NY  
WCOV-FM

## **Transmitter Power Output Calculation**

Description: TRANSMITTER POWER OUTPUT

Authorized ERP: 9500 watts  
Shively 6810-2R Antenna Power Gain: 2.007  
210 feet Andrew HJ7-50A 1-5/8" Air Coax Efficiency: 0.91  
TPO: 5201.5746 watts

Confirmation:  $5201.5746 \times 2.007 \times .91 = 9499.9996$  Watts

NOTE: TPO IS SHOWN AS 5.2 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM.