

**Engineering Exhibit For
Road Map Ministries
WZIV
Princeton, Illinois
October 2020**

WZIV Transmitter Power Output Calculation

Frequency = 90.7 MHz

ERP = 650 watts

Antenna gain = 0.4611

115 feet 7/8" air Heliac = 0.9102

TPO = $650 / 0.4611 / 0.9102 = \underline{\underline{1,549 \text{ watts}}}$

Special Operating Condition Responses

The underlying construction permit contains special operating condition which does not require a specific response.