

**Engineering Exhibit For
Covenant Network
W275CI
St. Charles, Missouri
April 2020**

W275CI Transmitter Power Output Calculation

Frequency = 102.9 MHz

ERP = 250 watts

Antenna gain = 0.7224

555 feet 7/8" foam Heliac = 0.6080

6 feet 1/2" foam Heliac = 0.9840

TPO = $250 / 0.7224 / 0.6080 / 0.9840 =$ **578 watts**

Special Operating Condition Responses

Construction permit BPFT-20180613AAG contains three special operating conditions, all of which are met and do not require specific responses.