

**SECTION III - LICENSE APPLICATION ENGINEERING DATA**

Name of Applicant

**The Calvary Bible Church of Lapeer**

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

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Station License

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Direct Measurement of Power

**1. Facilities authorized in construction permit**

Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
<b>WMPC</b>	<b>n/a</b>	<b>1230</b>	<b>Unlimited</b>	Night <b>0.726 kW</b>	Day <b>0.726 kW</b>

**2. Station location**

State <b>Michigan</b>	City or Town <b>Lapeer</b>
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**3. Transmitter location**

State <b>MI</b>	County <b>Lapeer</b>	City or Town <b>Lapeer</b>	Street address (or other identification) <b>1800 N. Lapper Rd</b>
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**4. Main studio location**

State <b>MI</b>	County <b>Lapeer</b>	City or Town <b>Lapeer</b>	Street address (or other identification) <b>1800 N. Lapper Rd</b>
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**5. Remote control point location (specify only if authorized directional antenna)**

State	County	City or Town	Street address (or other identification)
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6. Has type-approved stereo generating equipment been installed?

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Yes

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No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68?

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Yes

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No

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Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed.

Exhibit No.

**8. Operating constants:**

RF common point or antenna current (in amperes) without modulation for night system <b>3.22 amperes</b>	RF common point or antenna current (in amperes) without modulation for day system <b>3.22 amperes</b>
Measured antenna or common point resistance (in ohms) at operating frequency Night <b>70 ohms</b> Day <b>70 ohms</b>	Measured antenna or common point reactance (in ohms) at operating frequency Night <b>+j115 ohms</b> Day <b>+j115 ohms</b>

**Antenna indications for directional operation**

Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day

Manufacturer and type of antenna monitor:

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9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator <b>Uniform Cross Section Tower</b>	Overall height in meters of radiator above base insulator, or above base, if grounded. <b>61</b>	Overall height in meters above ground (without obstruction lighting) <b>63.9</b>	Overall height in meters above ground (include obstruction lighting) <b>64.8</b>	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div>Exhibit No.</div>
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Excitation

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Series

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Shunt

**ASR: 1002164**

Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude <b>43</b> ° <b>04</b> ' <b>46</b> "	West Longitude <b>83</b> ° <b>18</b> ' <b>35</b> "
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If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Exhibit No.

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

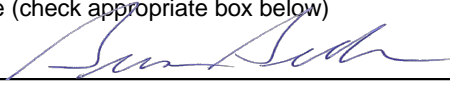
Exhibit No.

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

11. Give reasons for the change in antenna or common point resistance.

**Antenna resistance measurement taken after installation of antenna for  
W295CT CP (BNPFT-20171201ADV)**

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type) <b>Bruce Bellamy</b>	Signature (check appropriate box below) 
Address (include ZIP Code) <b>P.O. Box 220</b> <b>Coldwater, MI 49036</b>	Date <b>10/30/2018</b>
	Telephone No. (Include Area Code) <b>517.278.7339</b>

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Technical Director

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Registered Professional Engineer

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Chief Operator

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Technical Consultant

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Other (specify)