



## CRANE LAND SURVEYING, P.C.

14250 Beadle Lake Road  
Suite 130  
Battle Creek, MI 49014  
Phone: (269) 963-7977 • fax: (269) 963-7008

### Surveyor's Declaration

I, Michael P. Pratt, subject to the penalties of perjury, do declare the following:

1. I am a licensed surveyor in the State of Michigan;
2. I have provided professional services to Bible Broadcast Network (permittee name), permittee of WYBA-FM, Coldwater (city of license), MI (state), during the installation of the WYBA-FM directional antenna;
3. I certify that the following methods were utilized to orient the WYBA-FM directional antenna to 110° North Azimuth from Geodetic North as authorized in the construction permit (FCC File Number BPED-20100716ACN):
  - a. Random project control points were measured on State Plane Grid Coordinates, NAD83 Michigan South Zone (2113), by Static GPS Survey and post-processed by OPUS.
  - b. The as-built center of antenna support was then located by conventional total station.
  - c. After applying the convergence angle, a new control point placed at 110° Azimuth from the previously located antenna support.
  - d. The total station was then moved to the new control point, and the backsight was set on the antenna support.
  - e. The antenna crew rotated the antenna around the support until the outermost point of the antenna lined up with the antenna support;
4. I further certify that the accuracy of the survey is within a tolerance of +/- 1 degree.

Signed: \_\_\_\_\_

Michael P. Pratt, PS #43067

Date: \_\_\_\_\_

11/28/11

