

ENGINEERING REPORT

MINOR CHANGE APPLICATION

Change in Site Location

WIBM(AM) – Jackson, MI

1450 kHz

File No. BL-19970123AC

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DISCUSSION

This firm was retained to prepare this engineering report in support of a minor change application for the facilities of AM broadcast station WIBM, 1450 kHz, Jackson, MI, File No. BL-19970123AC. Currently WIBM holds a license for 0.78 kW of non-directional fulltime operation. This application seeks a change in site location and a non-directional power increase to 0.81 kW. The data and exhibit numbering contained herein are responsive to Section III-A of FCC Form 301.

Broadcast Facility. The broadcast facility remains in compliance with all applicable rules contained in *C.F.R. Chapter 47, Part 73, Subpart A*. The proposed WIBM antenna system will consist of a single non-directional tower. Details of the proposed antenna system are located in **Exhibit(s) 10.1-5**. The proposed tower does not require tower registration as it is less than 60.96 meters tall and passes the slope test in the TOWAIR program. A map depicting the present 0.5 mV/m, 2.0 mV/m, and 5.0 mV/m daytime service contours for WIBM has been included as **Exhibit 10.6(a)**. A map depicting the proposed daytime service contours from the new site has been included as **Exhibit 10.6(b)**. A map showing the present and proposed nighttime interference-free contours has been included as **Exhibit 10.7**. Present and proposed 1.0 V/m daytime/nighttime "Blanket" Contours have been included as **Exhibit 10.8**.

Community Coverage. Community coverage remains in compliance with the requirements of §73.24(i). Jackson, MI will continue to receive daytime primary service as seen in **Exhibit 10.6(b)**. Presently 84.5% of Jackson, MI receives nighttime primary service. A waiver is being requested of the nighttime primary service coverage as only 74.5% of Jackson, MI will receive coverage.

Main Studio Location. The main studio location remains in compliance with the requirements of §73.1125. Studios for WIBM will remain unchanged from the present facilities.

Groundwave Interference. The proposed allocation remains in compliance with the requirements of §73.37. **Exhibit(s) 14.1-2** are relevant allocation studies for the present and proposed operations. There is presently existing given overlap with co-channel stations WLEC, Sandusky, OH; WHLS, Port Huron, OH; and WLYV, Fort Wayne, IN. In addition, there is both given and received overlap with first adjacent channel stations WMKM, Inkster, MI on 1440 kHz and WPON, Walled Lake, MI on 1460 kHz. This proposal will reduce the area of overlap with all these stations as seen in **Exhibit(s) 14.1-2**.

Skywave Interference. Since this is an allocation on a Class C channel, the only calculation with respect to skywave interference is the determination of the Nighttime Interference-free RSS value for each site location. See **Exhibit 10.7**.

Environmental Protection Act. The proposed allocation is in compliance with OET Bulletin No. 65. Full protection is afforded by the proposal. An RF Radiation study has been included in **Exhibit 17**.