

**WMAD (FM)**

**SAUK CITY, WI**

**COORDINATE CORRECTION APPLICATION FOR MINOR CHANGE**

This minor change application seeks only a correction of coordinates of the currently licensed facility of WMAD (FM). No actual physical changes to the facility are to be made. This application seeks only to match the stations licensed coordinates to those of the underlying antenna structure registration number, which was recently verified by land survey.

As this correction will cause WMAD to become spaced to stations WBKY and WXYM closer than the distance allowed in Section 73.207 when rounding is applied, a waiver of 73.207 is requested if necessary. The Commission has previously allowed such a waiver in DA 98-1853 in the case of station KICD-FM Spencer, IA. Please see the attached spacing study. Also note in the spacing study that the distance to the current short spaced facilities is increased by this correction.

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The antenna system is an EPA type 3, 3- bay, full wave spaced, "Roto- tiller " antenna, mounted with its center of radiation 147 meters above ground level, and operates with an effective radiated power of 5.1 Kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 73 meters from the base of the tower, this proposal will contribute worst case, 1.7 microwatts per square centimeter, or 0.17 percent of the allowable ANSI limit for controlled exposure, and 0.85 percent of the allowable limit for uncontrolled exposure. This figure is less than 5% of the applicable FCC exposure limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. It is therefore believed that this facility is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

## Spacing Study

Spacing Study Channel 242 B1 at 43-12-44.0 N, 89-35-59.0 W

|          |       |       |       |      | New    | Current | Req | Current | New   |   |
|----------|-------|-------|-------|------|--------|---------|-----|---------|-------|---|
| Callsign | Chanl | ERP_w | Class | Stat | Dist   | Dist    | Sep | Clrnc   | Clrnc | Comments  |
| WKLH     | 243   | 11500 | B     | CP   | 120.2  | 120.15  | 145 | -24.9   | -24.8 | Auxiliary Antenna                                   |
| WKLH     | 243   | 20000 | B     | LIC  | 138.42 | 138.36  | 145 | -6.6    | -6.6  | 73.215 spaced, increased distance                   |
| WBBM-FM  | 242   | 19000 | B     | LIC  | 207.53 | 207.35  | 211 | -3.6    | -3.5  | 73.215 spaced, increased distance                   |
| WBKY     | 240   | 2750  | A     | CP   | 47.61  | 47.41   | 48  | -0.6    | -0.4  | Rounds to full spaced                               |
| WBKY     | 240   | 5400  | A     | LIC  | 47.37  | 47.58   | 48  | -0.4    | -0.6  | 73.207 Waiver Requested Per DA 98-1853 KICD Spencer |
| WXYM     | 241   | 44000 | C2    | LIC  | 133.44 | 133.62  | 134 | -0.4    | -0.6  | 73.207 Waiver Requested Per DA 98-1853 KICD Spencer |
|          | 240   | 0     | A     | RSV  | 48.82  | 48.62   | 48  | 0.6     | 0.8   |   |
| WTCX     | 241   | 4000  | A     | LIC  | 97.91  | 98.02   | 96  | 2       | 1.9   |   |
| WBBM-FM  | 242   | 1400  | B     | LIC  | 218.98 | 218.8   | 211 | 7.8     | 8     |   |
| WBBM-FM  | 242   | 4200  | B     | LIC  | 219.01 | 218.84  | 211 | 7.8     | 8     |   |
| WLKG     | 241   | 6000  | A     | LIC  | 115.76 | 115.6   | 96  | 19.6    | 19.8  |   |