

ENVIRONMENTAL STATEMENT
NEW FM, DIX, NEBRASKA, CH. 282C2
MICHAEL RADIO COMPANY, LLC
SEPTEMBER 2021

The applicant proposes mounting its antenna on a 45.7 meter existing tower, this site does not have an FCC registration number (former KIMB Kimball, AM Tower site). The proposed Center of Radiation will be 40 meters Above Ground Level. A 6 bay, Circular polarized, Nicom model BKG 77 with 0.85 wavelength spacing between the bay antenna is proposed. An Effective Radiated Power will be 26 KW (26,000 watts). Calculations were made using FM Model for Windows, version 2.10. The proposed antenna Center of Radiation, above ground, was reduced by 2 meters to allow for the average height of a human on the ground. FM Model predicts a peak exposure of 40.78 $\mu\text{w}/\text{cm}^2$ at a distance of 18.6 meters from the base of the tower. This represents just 20.4% of the allowable Maximum Permissible Exposure (“MPE”) of 200 $\mu\text{w}/\text{cm}^2$ for uncontrolled environments at any point on the ground.

The applicant will ensure that the public access to the tower is restricted by fencing, anti-climb devices or other appropriate measures. The site will be posted with RF warning signs. If climbing of the tower by authorized personnel becomes necessary, transmitter power will be reduced to safe operating levels, or transmission even terminated, as necessary as not to exceed the RF exposure limits to tower workers. The licensee will cooperate with other users at the site with the scheduling of such tower or antenna maintenance.

The National Programmatic Agreement under Section 106 will be complied with in regards to this existing tower. The applicant believes that it is in full compliance with

the Agreement. The applicant also has reviewed the commission rules under CFR 47 section 1.1307 with reference the rules requiring a environmental assessment study. The applicant believes that it is in compliance with these requirements, and no further environmental study will be required.