

KUSO(FM) MINOR MODIFICATION TO LICENSE BLH-20000518AAA
92.7 MHz 50 kW ND 150 M HAAT FACILITY ID 82844 ALBION, NEBRASKA
ENGINEERING NARRATIVE AND RF RADIATION ENVIRONMENTAL ANALYSIS
SEPTEMBER 2022

Flood Communications, L.L.C. ("Flood"), licensee of commercial FM broadcast station KUSO(FM), has replaced the licensed Jampro JMPC-10D main FM antenna with an ERI MPX-8C FM antenna on the licensed tower structure with the radiation center 1.6 meters greater than the elevation on the station license. No change in ERP is being proposed. The ERI antenna radiation pattern is non-directional, as specified on the station license. The TPO is 12.83 kW.

Utilizing the FCC FM Model online calculator with an ERI MPX-8C, EPA type 3, eight bay, 1.0 lambda spaced antenna, 50,000 watts ERP H & V on CH 224 the maximum calculated power density is 37.1 microwatts per centimeter squared which is 18.55% percent of the 200 microwatts public exposure guideline. Based on this analysis it is believed that the proposed facility follows OET-65 Public Exposure Guidelines. The applicant will reduce power or cease transmission as required to meet FCC OET-65 worker Guidelines.

The foregoing was prepared on behalf of Flood Communications, L.L.C. by Clarence M. Beverage of Communications Technologies, Inc., Medford, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.



By _____

Clarence M. Beverage
for Communications Technologies, Inc.
Medford, New Jersey
September 20, 2022