

ENGINEERING NARRATIVE  
WKSE(FM) APPLICATION FOR AUXILIARY FACILITY  
CH 253 B 98.5 MHz 23 kW ERP ND H&V RC 315 M AMSL  
NIAGARA FALLS, NEW YORK  
SEPTEMBER 2023

Audacy License, LLC herein proposes an auxiliary transmission facility identical to that authorized in FCC file 0000105742. The application specifies operation on the southwest tower of the two tower WBEN(AM) directional antenna system licensed under file number BMML-20210205AAF. This tower carries FCC registration number 1004566 and is tower #2 in the AM DA antenna system. In the earlier auxiliary application it was explained that an ERI SHPX 3 bay, full wave spaced, FM antenna would be mounted on the tower with a RC 134 meters AGL. Figure 1, attached, depicts the main WKSE licensed and proposed auxiliary primary contours. The auxiliary contour is wholly within the main contour.

The FCC FM Model online tool has been employed to calculate RF power density for the EPA type 3 antenna. The maximum power density is 9.2 microwatts per centimeter squared 66.3 meters from the tower base. This value is 4.6% of the public exposure guideline. The applicant will reduce power or cease operation as required to meet OET-65 worker guidelines.

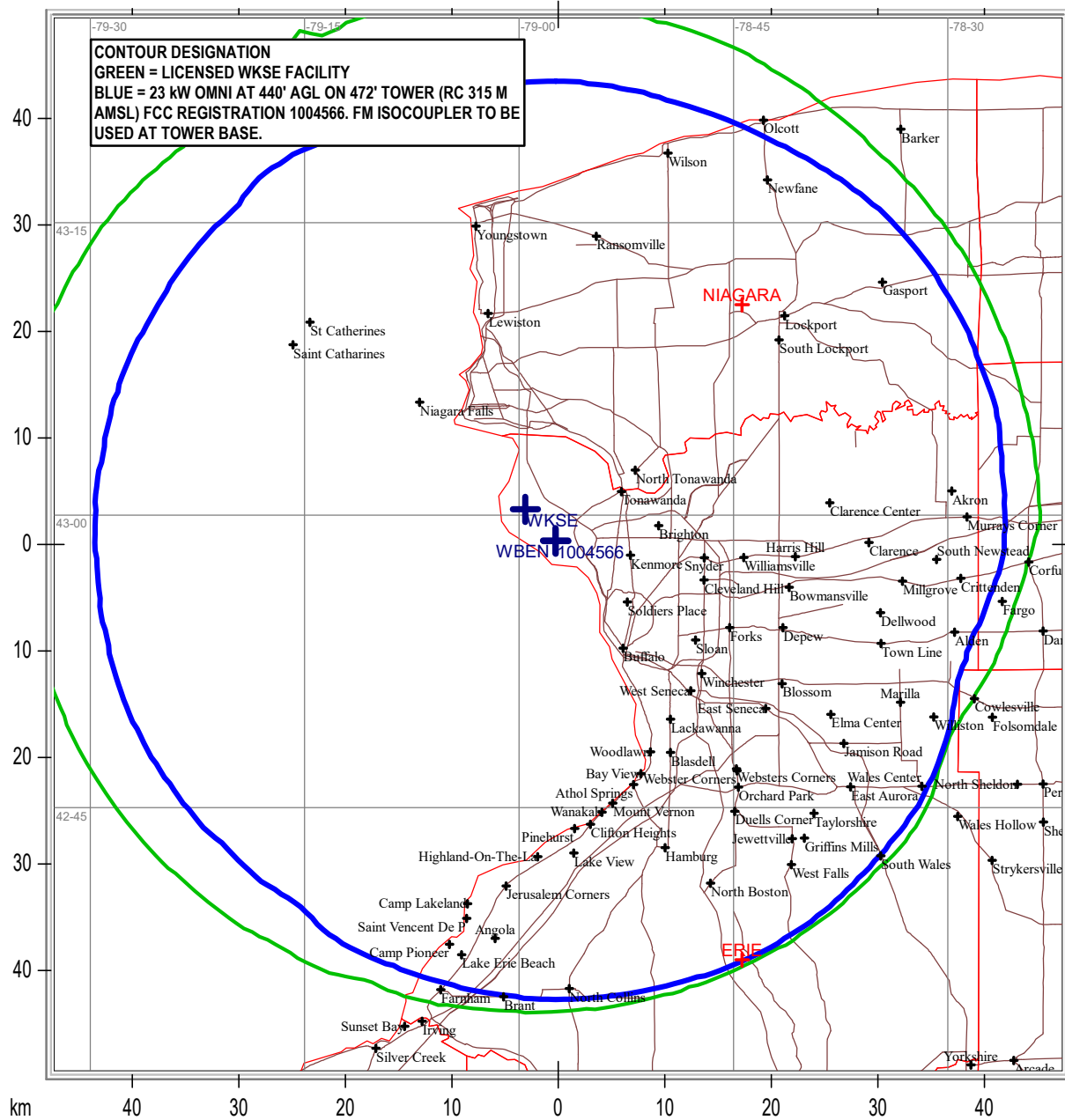
It is noted that when the Moment Method license application for WBEN was filed with the ERI antenna system fully installed on the tower and by oversight the auxiliary license application was not filed when the Moment Method license application was filed in February of 2021.

The foregoing was prepared on behalf of Audacy License, LLC by Clarence M. Beverage of Communications Technologies, 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.



Clarence M. Beverage  
for Communications Technologies  
Medford, New Jersey  
September 13, 2023

## WKSE CH 253B NIAGARA FALLS, NY AUXILIARY FM ON #1 WEST TOWER OF WBEN(AM) BUFFALO, NY



*Communications Technologies, Inc. Marlton, New Jersey*

County Borders      Highways      Lat/Lon Grid