

FCC Form 2100 Schedule 340  
NEW NCE FM Station  
OLIVET NAZARENE UNIVERSITY  
Mullberry IN

**All Purpose Technical Exhibit**

**Fair Distribution of Service**

There is no new first or second noncommercial educational coverage created as a result of this application.

**First Aural Service**

The applicant proposes first aural service to the community of license noted. The community has no AM or FM service licensed to it presently, and meets the standards set forth by the Commission for qualification to be a valid community of license. This action will trigger Priority Three – first aural service – with regard to the Commissions Allotment Priorities.

**Point System Factors / Tiebreakers**

The attached map demonstrates the Diversity of Ownership of the applicant with relation to commonly owned noncommercial stations and non-fill in translator stations.

**Technical Certifications:**

Site Assurance for the application is based on written authorization from SBA Towers LLC, owner of the tower herein. Chuck Hiltz, Authorized Representative, 248-296-2363

## Interference

The attached map of contours is an accurate depiction of the facility landscape and the map utilizes FCC 30 Second Terrain for contour calculations. The proposed facility meets all contour protection requirements except for that of second adjacent station WHPL (FM) Channel 210-A West Lafayette IN. The proposed 60dBu (50,50) contour overlaps the WHPL 100dBu (50,10) interfering contour. As such, a waiver is requested to permit this received interference.

## Waiver

The applicant herein respectfully requests a limited waiver of Section 73.509 of the Rules to allow this NEW application to receive otherwise prohibited overlap from the WHPL second-adjacent channel NCE FM station herein. Such a waiver, allowing an NCE station to receive overlap from adjacent channel stations, is commonly known as a "Raleigh Waiver". This NEW Station will accept the adjacent channel interference and have its license modified to specify such, as is typical when a Raleigh Waiver is granted.

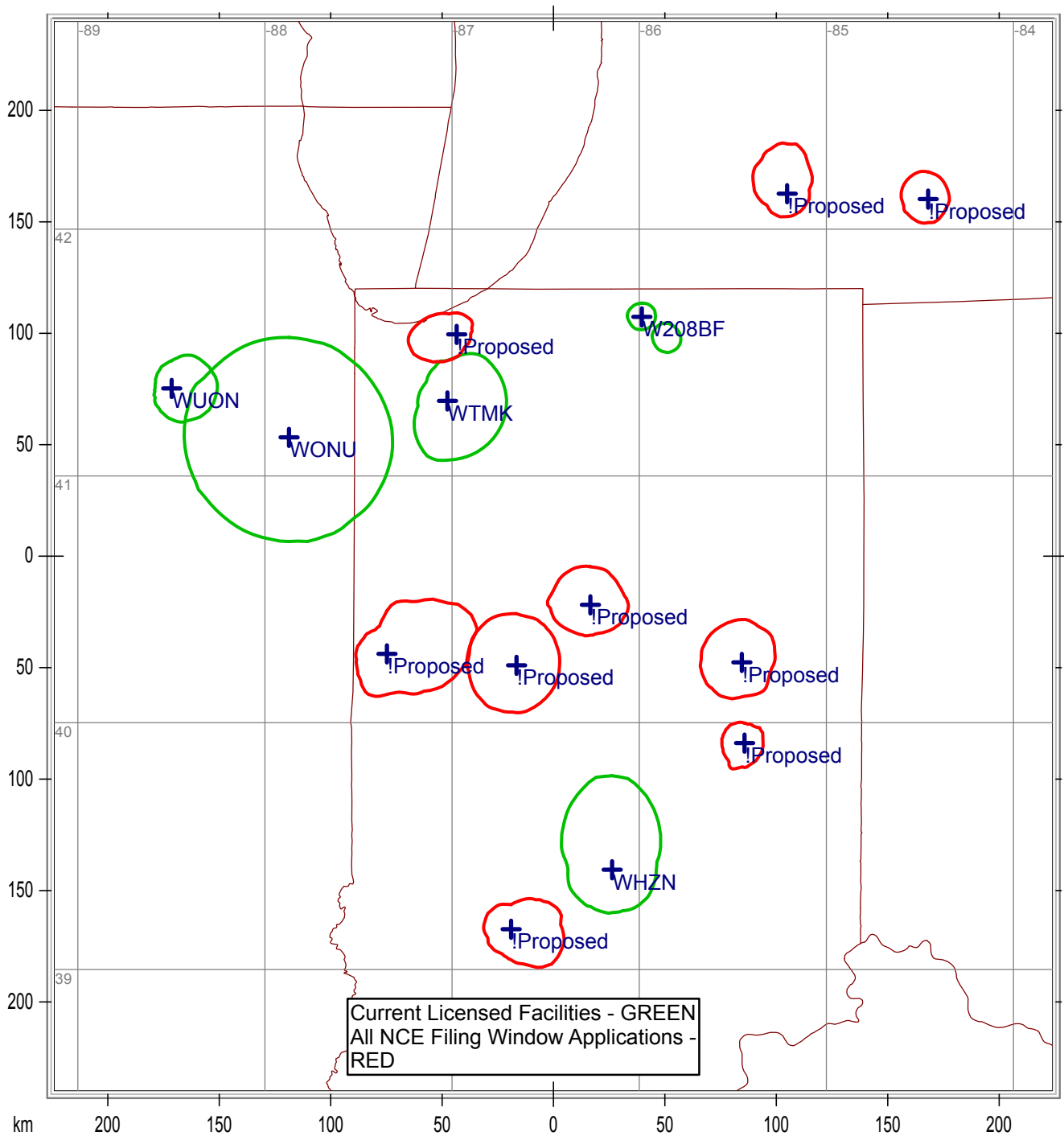
Raleigh Waiver requests are accompanied by a technical showing of effect to the general population. The population and area of the relevant station contours shown on the attached map are detailed as follows:

Signal	Contour	Area	Census 2010 Population
NEW Proposed	60dBu (50,50)	1480.9 sq km	56,171
Overlap Area	100dBu (50,10)	8.2 sq km	157
WHPL Licensed	60dBu (50,50)	1491.1 sq km	173,780

The total gain in 60dBu population for NEW facility is 56,171, but the overlap area between the licensed WHPL(FM) 100dbu (50,10) contour and the NEW facility comprises just **0.9 %** of that station's population.

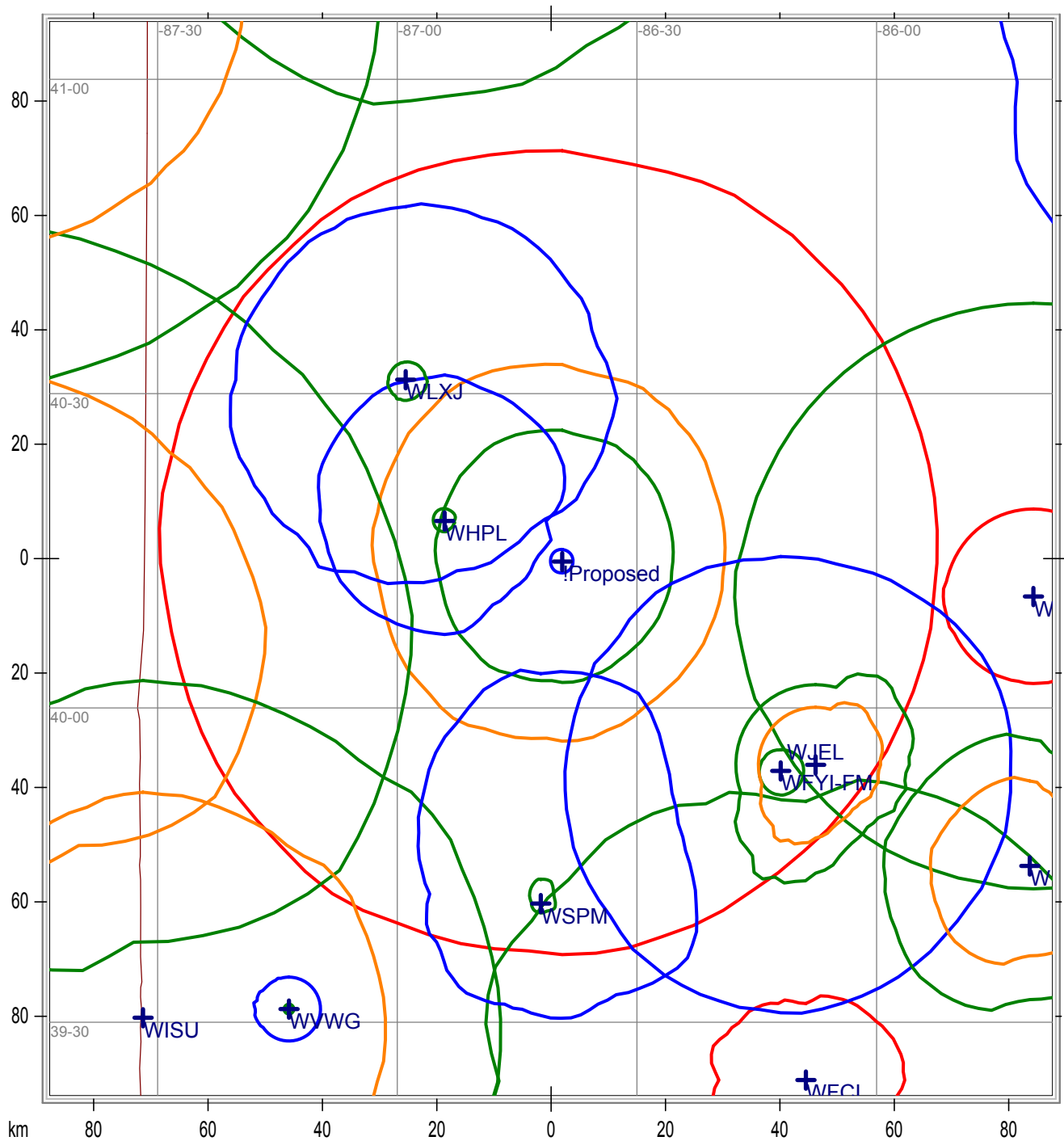
The applicant respectfully requests a waiver of Section 73.509 to permit the acceptance of this received overlap by this NEW application.

Distribution of Service Map  
All Facilities of Applicant



State Borders      Lat/Lon Grid

## Map of Interfering Contours



### Proposed Facility:

Blue - 100dBu(50,10)

Green - 60dBu(50,50)

Orange - 54dBu(50,10)

Red - 40dBu(50,10)

### Other Facilities

#### Co-Channel

Red - 60dBu(50,50) Green - 40dBu(50,10)

#### First Adjacent

Orange - 60dBu(50,50) Green - 54dBu(50,10)

#### Second/Third Adjacent

Blue - 60dBu(50,50) Green - 100dBu(50,10)

I.F. Separation - Brown