

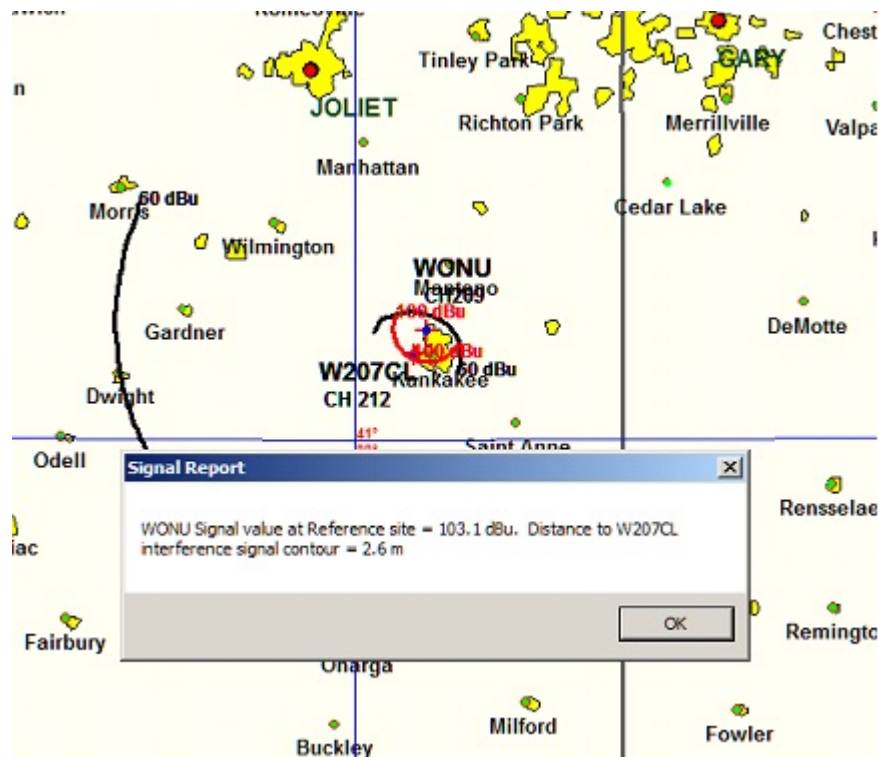
THIRD-ADJACENT CHANNEL CONTOUR OVERLAP WAIVER REQUEST
TO
STATION WONU (Ch. 209B)
KANKAKEE, IL

Basis for Waiver Request 47 CFR §74.1204(d)

No population within predicted interference contour area

Third-Adjacent Channel Station WONU (Ch. 209B), a licensed facility, is predicted to have a signal level of 103.08 dBu at the proposed site (the reference site). The D/U (desired to undesired) signal ratio is 40 dBu. Thus, the interfering signal level from this proposal is $103.08 + 40 = 143.08$ dBu.

The map below shows the calculated predicted signal level from WONU at the proposed translator site, and the predicted interfering contour distance (maximum horizontal distance).



The center of radiation from the proposed antenna is 83.8 meters above ground level (see Figure 2).

The interference signal from this proposal extends a distance of 2.6 meters as noted above, and remains $(83.8 \text{ m} - 2.6 \text{ m}) = 81.2$ meters above ground in all directions. As the interference signal remains well above ground level (266 feet) and does not reach the ground in any location, or any populated or traveled areas, it cannot cause interference to any populated or traveled areas.

There are no tall building, roof tops, or other occupied spaces within the interference contour horizontal distance of 2.6 meters (8.5 feet) from the supporting structure.

Thus, no interference is predicted to occur to a populated area, i.e., no population resides within the interference contour therefore, application of the provisions of 47 CFR §74.1204(d) is appropriate.

A grant is in the public interest in that it has been demonstrated that no harm will occur to WONU and that no population is present within the elevated contour.

Applicant believes that it has demonstrate that due to lack of population within the interference contour that it is in compliance with the Commission's rules.