

## Purpose of Application & Technical Statement

This minor change to the facility is to correct the Directional Antenna Data in the Construction Permit. The exhibits in the original application were correct, but the tabular data in the application was not.

## FILL-IN STATUS

Applicant certifies that the proposal is for a fill-in translator entirely within the primary station's protected contour. The Attached Map of Contours has the primary station contour noted thereon.

## OVERLAP REQUIREMENTS

The attached map of contours depicts the proposed allocation situation with respect to all pertinent co and adjacent facilities. All facilities have been depicted utilizing either the maximum ERP or directional pattern data as on file with the commission and 1 degree radial intervals on close in contours in the interest of accuracy. AAT data for the proposed facility was derived from the FCC's 30 second database, Comstudy.

As seen on the attached maps of contours, channel 292-D is operable at the proposed location with the following facility notes:

- In compliance with 47 CFR 74.1204(g) the proposed facility operates at an effective radiated power which is over 100 watts, therefore protection to intermediate frequency facilities has been calculated and meets all mileage separation requirements.
- The proposed location is within the protected 60dbu (50,50) contour of third-adjacent station WBPT(FM) channel 295-c0 located 37.4km away. Therefore, an interference analysis has been conducted based on the u/d ratio of +40 dB at the proposed site. The signal of WBPT(FM) at the proposed location is 79.10 dBu (50,50) making the relevant interfering contour of the proposed facility 119.10 dBu (50,10). The free space distance to this contour in a worse-case scenario utilizing a single dipole antenna is 123.0 meters. The proposed antenna height is 55 meters above ground making the interfering contour reach a point 2 meters above ground in an area 89 meters from the base of the tower in the direction of the primary lobe of the antenna.

The attached aerial photograph is an accurate depiction of the tower location and surrounding area. The 119.1 dBu (50,10) contour is imposed upon the photo demonstrating that it is incapable of reaching the general public.

Based on this showing, a waiver of section 74.1204 is requested in accordance with Living Way Ministries, Inc. (FCC 08-242) on the basis of zero population in the area of interference.

It should be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. 74.1203.







