

MINOR CHANGE REQUEST
Translator License LMS- 0000192956
W285GE Albany GA
FACID 151736

TECHNICAL STATEMENTS

This minor change to the licensed facility requests a change of effective radiated power at the authorized tower location, height and operating channel. The translator will be used as a non-fill-in translator for commonly owned Primary Station WHHR. The applicant proposed to repeat the main analog channel of the primary station.

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 map of contours below, channel 285-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 not over 100 watts, therefore protection to intermediate frequency facilities has not been calculated.
- The proposed location is within the protected 60dbu (50,50) contour of second-adjacent station WKAK (FM) channel 283C1 located 16.6 km away. Therefore, an interference analysis has been conducted based on the u/d ratio of +40 dB at the proposed site. The signal of WKAK (FM) at the proposed location is 91.8 dBu (50,50) making the relevant interfering contour of the proposed facility 131.8 dBu (50,10).
- The applicant proposes to use the Nicom BKG77 one-bay antenna. Utilizing vertical field values provided by the manufacturer, calculations demonstrate that the interfering contour will not reach a point 2 meters above the ground at any depression angle from the antenna. The building upon which the tower is mounted is 6.1 meters high, meaning the interfering contour will not reach the roof of the building, nor any location where the general public would be present.

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 CFR. 74.1203.

MAP OF CONTOURS

