

Clearance to WEGM (FM) and WNOD (FM)

This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to third-adjacent station WEGM (FM) San German, PR and second-adjacent station WNOD (FM) Mayaguez, PR. However, Section 74.1204(d) instructs us:

“In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.”

WEGM (FM) places 82.8 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 82.8 dBu signal produces an interfering contour of 122.8 dBu. This interfering contour extends a distance of 80.6 meters from the antenna, which is 91.4 meters above ground. In this case, the interfering signal is 10.8 meters above the ground and cannot be received by any listener

WNOD (FM) places 82.7 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 82.7 dBu signal produces an interfering contour of 122.7dBu. This interfering contour extends a distance of 81.1 meters from the antenna, which is 91.4 meters above ground. In this case, the interfering signal is 10.3 meters above the ground and cannot be received by any listener.

In conclusion, based on the foregoing explanation showing that no persons will receive interference, it is thought this application is in compliance will Section 74.1204 using Section 74.1204(d).