

Allocation (WXYZ Clearance)

This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to WXYX, Bayamon, 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.”

WXYZ operates from 603 M AMSL and 50 KW ERP. WXYX provides a protected signal over the proposed translator site of 94.9 dBu. Adding the 40 dBu U/D ratio to the 94.9 dBu signal produces an interfering contour of 134.9 dBu. The 134.9 interfering contour extends 11 meters (36 feet) from the translator antenna. Since the proposed center of radiation above ground level is 18.2 meters (60 feet) it is clear that the interfering signal never touches the ground.

In conclusion, based on the foregoing explanation and related exhibits showing that no persons will receive interference because the interfering contour never touches the ground, it is thought this application is in compliance will Section 74.1204 using Section 74.1204(d).