

Clearance to WRXL

This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to second-adjacent WRXL, Richmond, VA. 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.”

WRXL places 89.6 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 89.6 dBu signal produces an interfering contour of 129.6 dBu. This interfering contour extends a distance of 36.5 meters from the translator antenna.

Given that the proposed antenna is located 127 meters AGL and the interfering contour only extends 36.5 meters, it is easily seen that the interfering contour never touches the ground and does not interfere with any potential WRXL listener.

In conclusion, based on the foregoing explanation showing that no persons will receive interference due to the fact that the interfering contour stays in the air, over the heads of all residents and never touches the ground, it is thought this application is in compliance with Section 74.1204 using Section 74.1204(d).

Bromo Communications, Inc.